

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059876.D
 Acq On : 25 Nov 2023 3:08
 Operator : MA/JU
 Sample : 05408-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 714-BOUND-BROOK

Quant Time: Nov 25 03:48:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

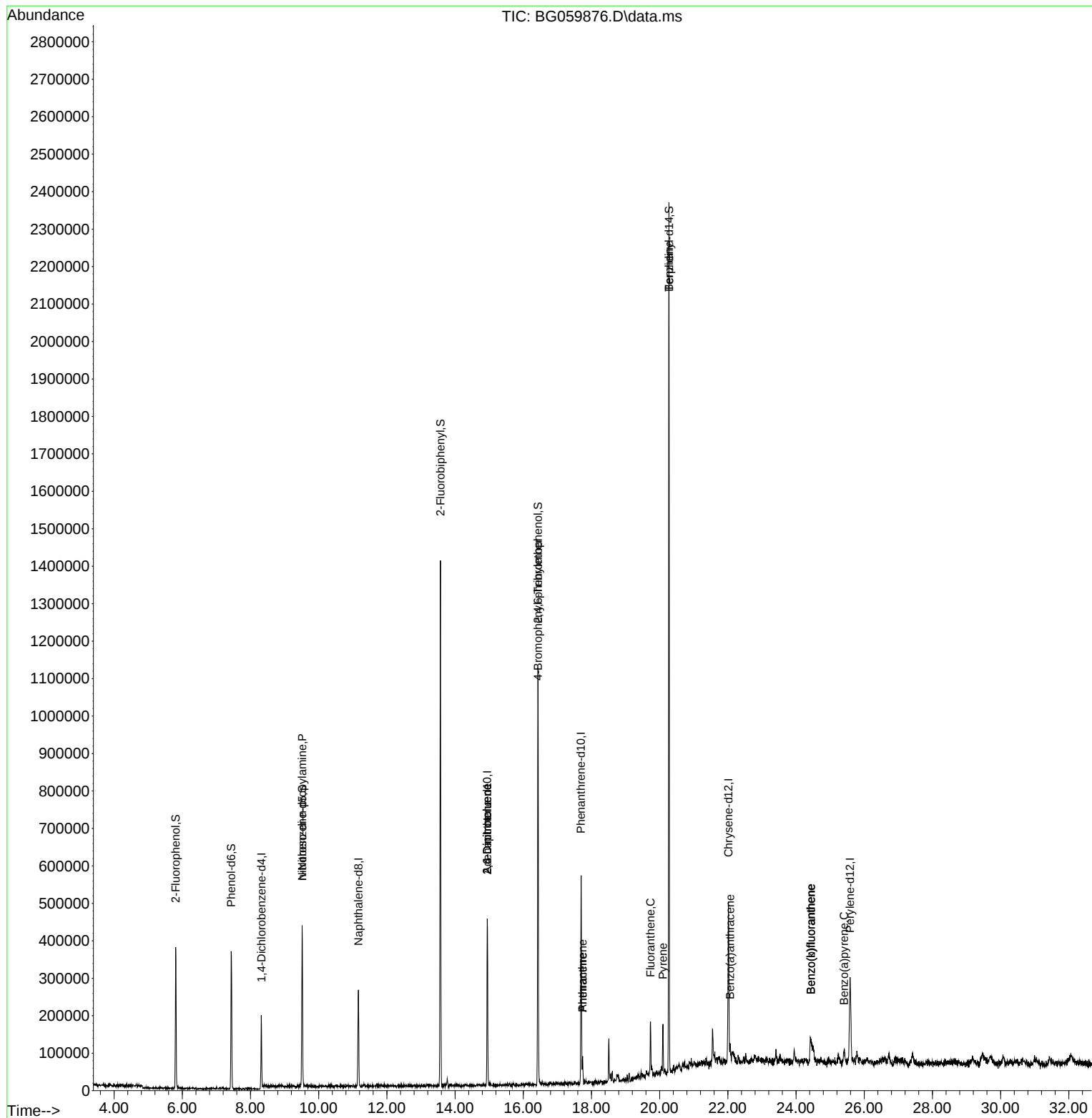
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	36637	20.000	ng	0.00
21) Naphthalene-d8	11.167	136	173683	20.000	ng	# 0.00
39) Acenaphthene-d10	14.945	164	141328	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	312864	20.000	ng	#-0.01
76) Chrysene-d12	22.019	240	232404	20.000	ng	-0.01
86) Perylene-d12	25.586	264	264133	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.809	112	130357	59.887	ng	0.00
7) Phenol-d6	7.436	99	187648	58.173	ng	0.00
23) Nitrobenzene-d5	9.516	82	264704	58.207	ng	0.00
42) 2,4,6-Tribromophenol	16.432	330	148482	92.596	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	594601	56.631	ng	0.00
79) Terphenyl-d14	20.274	244	942826	59.889	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.516	70	43055	16.950	ng	# 71
51) 2,6-Dinitrotoluene	14.945	165	16842	8.106	ng	# 1
57) 2,4-Dinitrotoluene	14.945	165	16842	5.271	ng	# 4
67) 4-Bromophenyl-phenylether	16.438	248	9204	2.738	ng	# 1
71) Phenanthrene	17.742	178	41706	2.622	ng	96
72) Anthracene	17.742	178	41706	2.523	ng	96
75) Fluoranthene	19.734	202	88736	4.652	ng	96
77) Benzidine	20.274	184	26020	4.937	ng	97
78) Pyrene	20.098	202	79165	5.006	ng	96
81) Benzo(a)anthracene	22.072	228	36259	2.280	ng	96
88) Benzo(b)fluoranthene	24.440	252	54875	3.791	ng	# 97
89) Benzo(k)fluoranthene	24.440	252	54875	3.834	ng	95
90) Benzo(a)pyrene	25.409	252	39088	2.530	ng	# 89

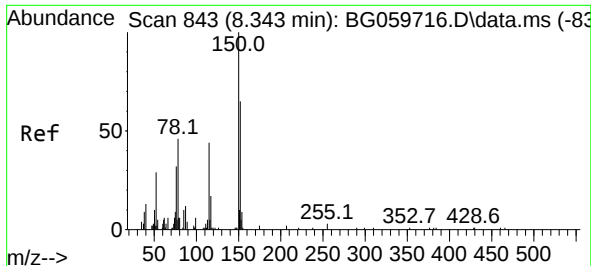
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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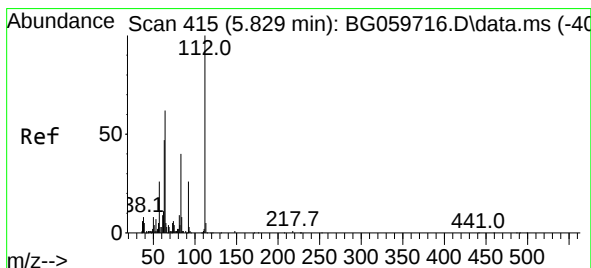
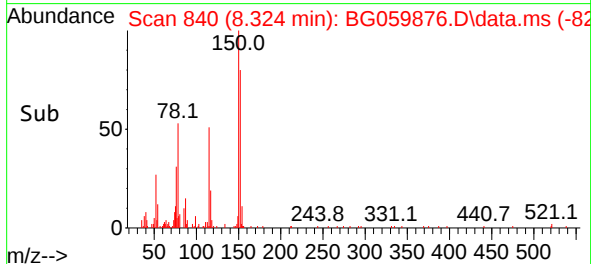
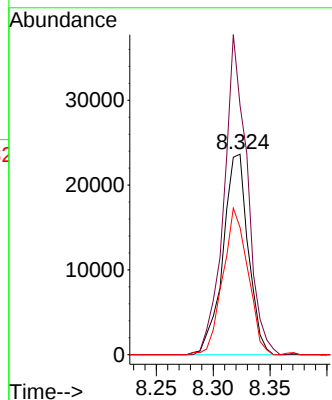
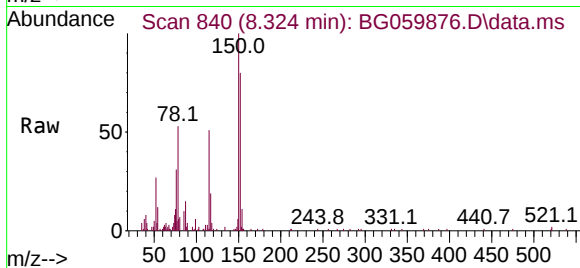




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.324 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

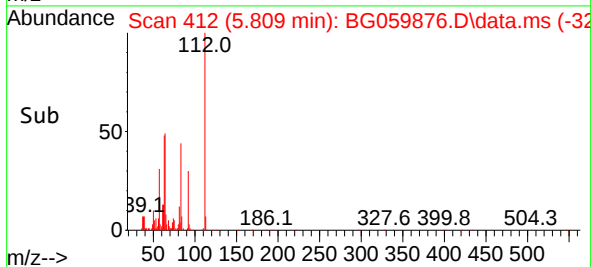
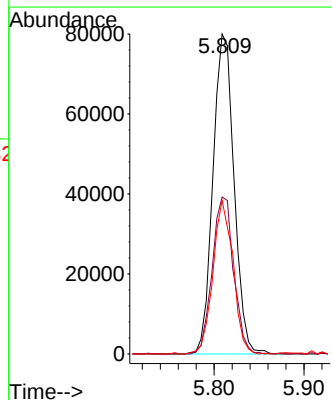
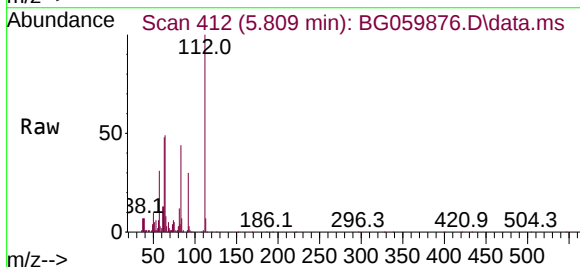
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK

Tgt Ion:152 Resp: 36637
Ion Ratio Lower Upper
152 100
150 124.3 122.2 183.4
115 63.5 54.2 81.4



#5
2-Fluorophenol
Concen: 59.887 ng
RT: 5.809 min Scan# 412
Delta R.T. -0.003 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion:112 Resp: 130357
Ion Ratio Lower Upper
112 100
64 49.0 49.5 74.3#
63 47.9 37.4 56.2

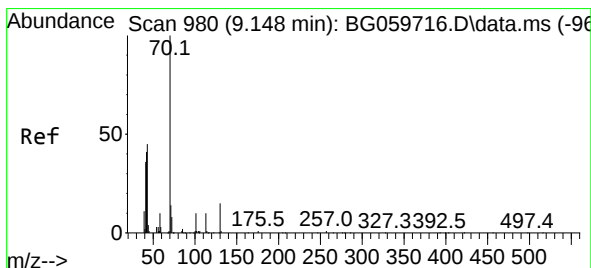
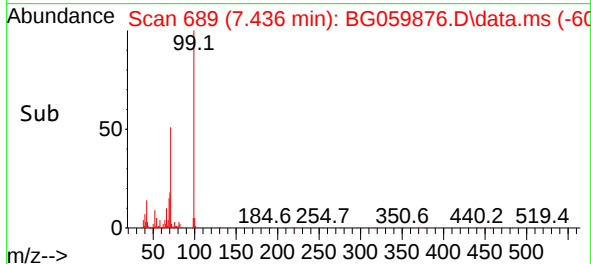
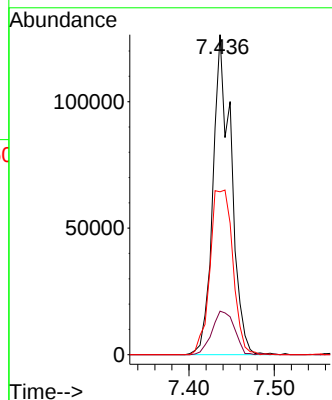
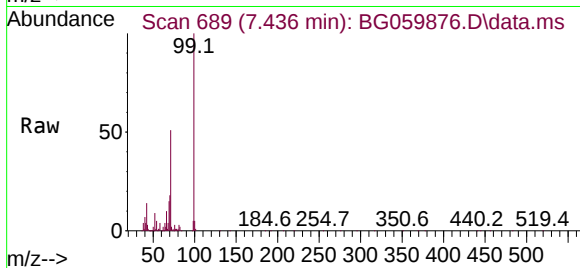




#7
Phenol-d6
Concen: 58.173 ng
RT: 7.436 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

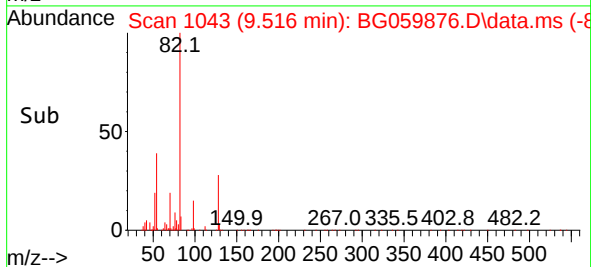
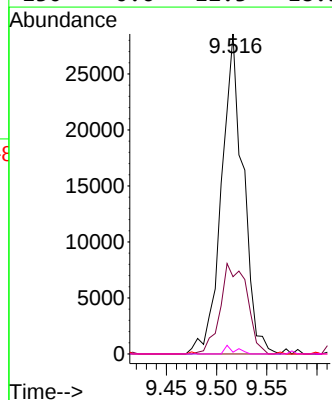
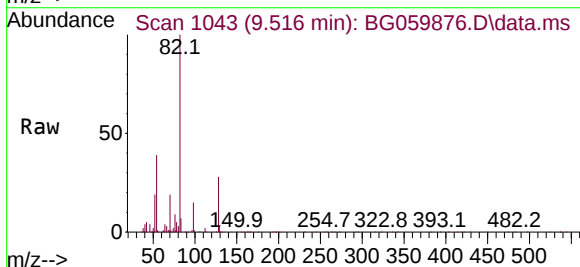
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK

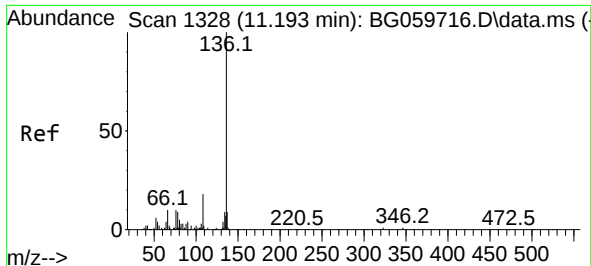
Tgt Ion: 99 Resp: 187648
Ion Ratio Lower Upper
99 100
42 13.6 14.3 21.5#
71 50.9 59.3 88.9#



#19
n-Nitroso-di-n-propylamine
Concen: 16.950 ng
RT: 9.516 min Scan# 1043
Delta R.T. 0.385 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion: 70 Resp: 43055
Ion Ratio Lower Upper
70 100
42 24.2 32.8 49.2#
101 0.0 7.7 11.5#
130 0.6 12.3 18.5#

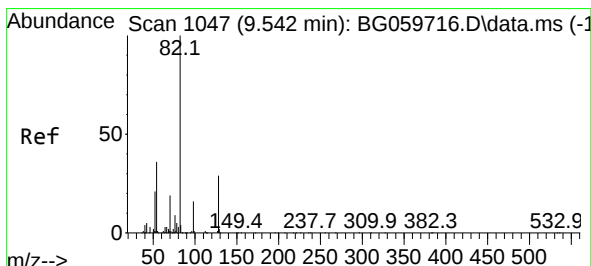
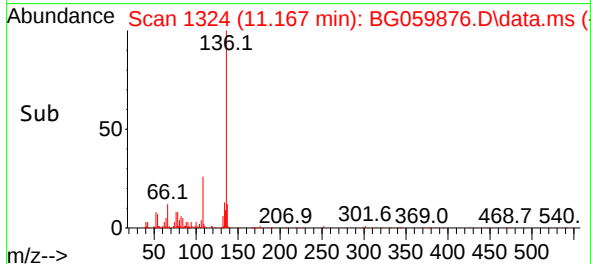
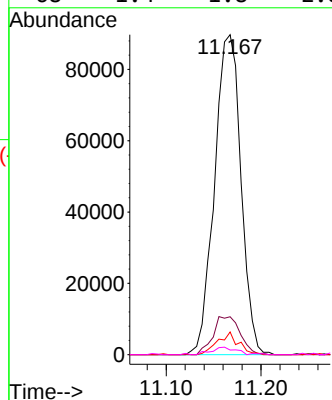
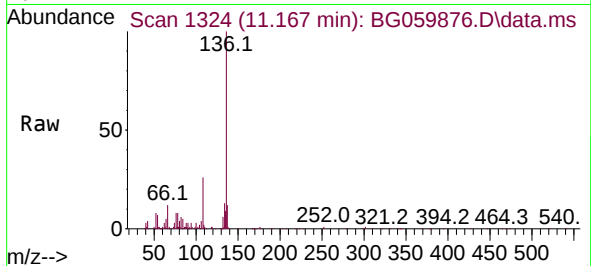




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 111
Delta R.T. -0.003 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

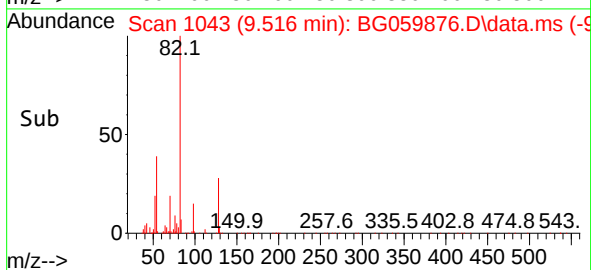
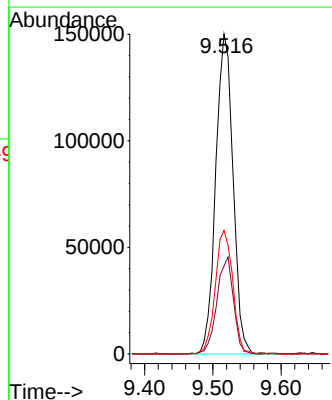
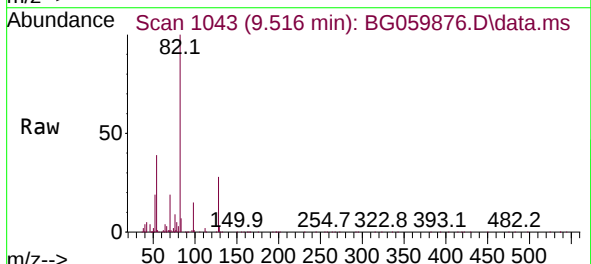
Instrument :
BNA_G
ClientSampleId :
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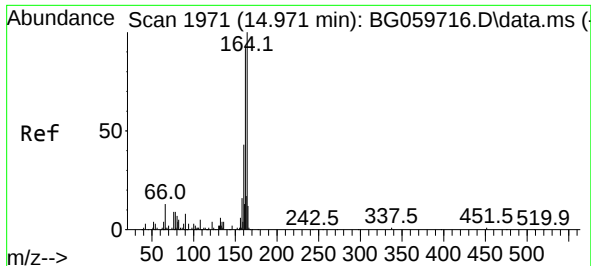
Tgt Ion:	136	Resp:	173683
Ion Ratio	Lower	Upper	
136	100		
137	11.9	7.4	11.0#
54	7.1	3.1	4.7#
68	1.4	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 58.207 ng
RT: 9.516 min Scan# 1043
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion:	82	Resp:	264704
Ion Ratio	Lower	Upper	
82	100		
128	27.5	23.0	34.6
54	38.6	28.7	43.1

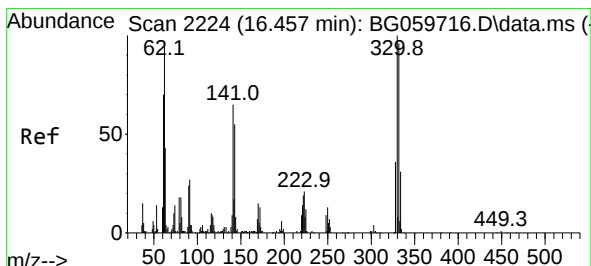
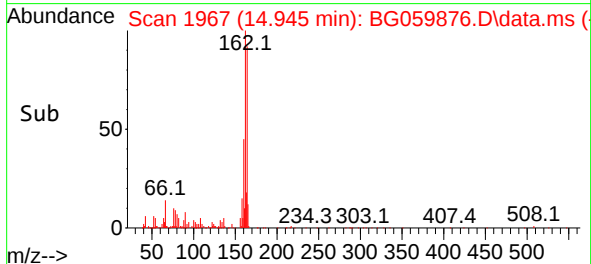
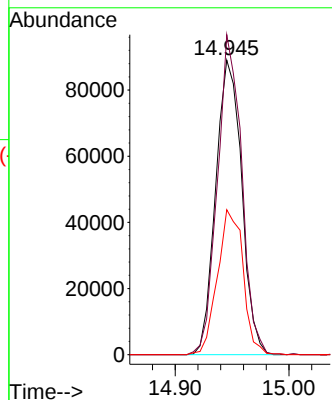
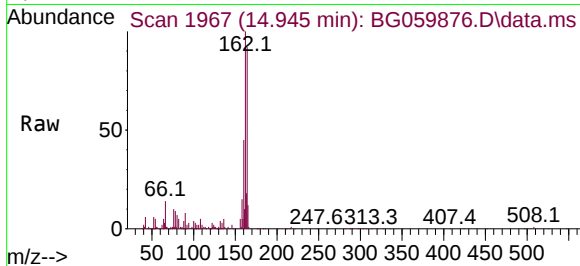




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.945 min Scan# 1971
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

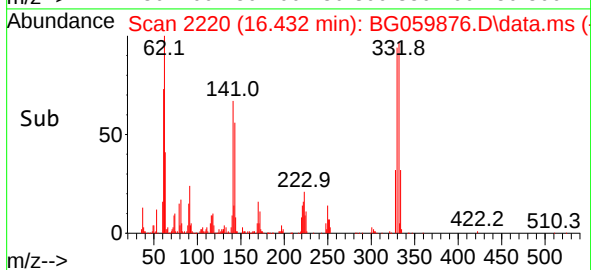
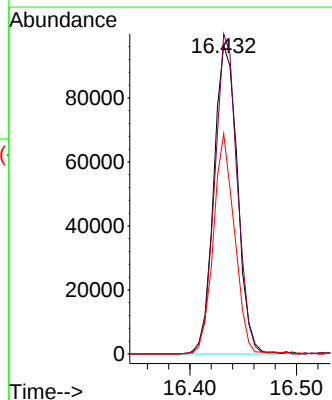
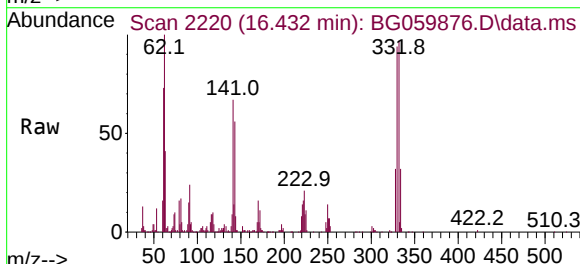
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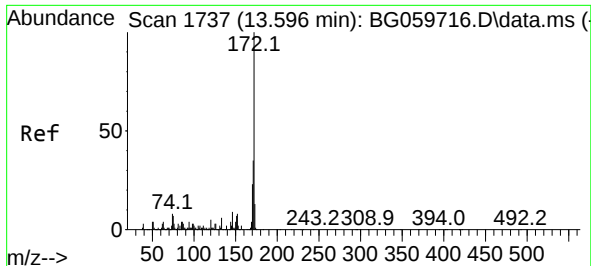
Tgt Ion:164 Resp: 141328
Ion Ratio Lower Upper
164 100
162 108.6 73.3 109.9
160 49.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 92.596 ng
RT: 16.432 min Scan# 2220
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion:330 Resp: 148482
Ion Ratio Lower Upper
330 100
332 98.7 73.3 109.9
141 63.7 52.1 78.1

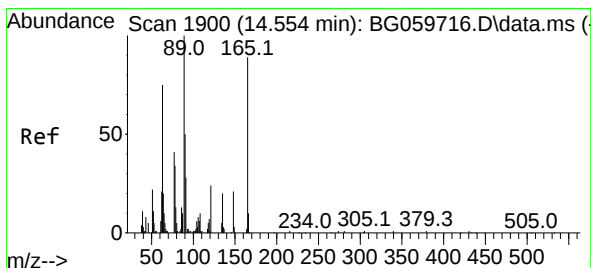
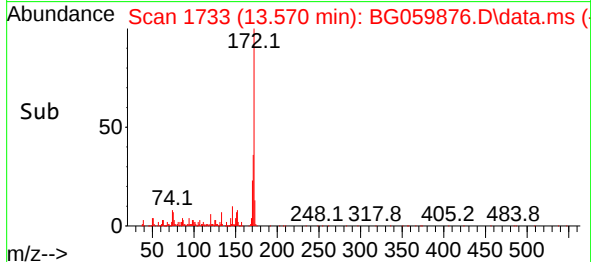
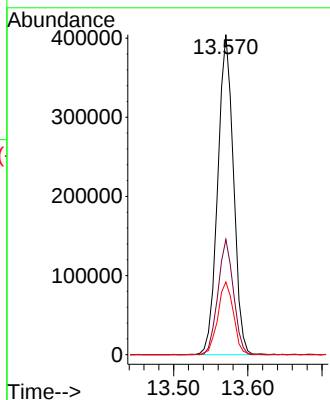
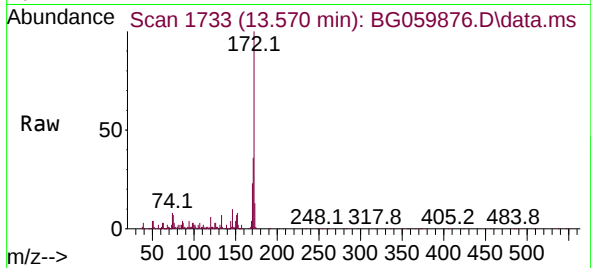




#45
2-Fluorobiphenyl
Concen: 56.631 ng
RT: 13.570 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

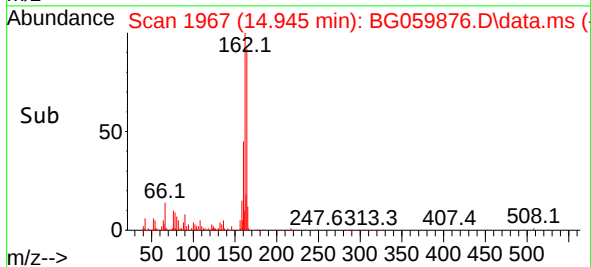
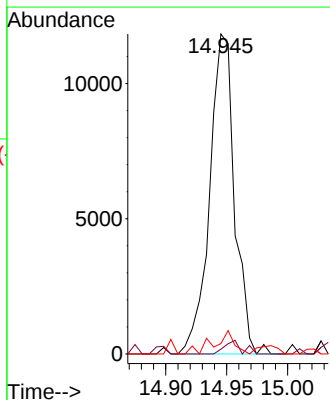
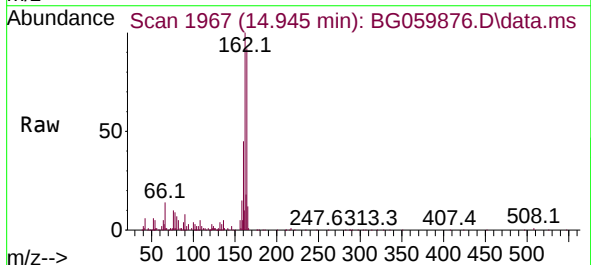
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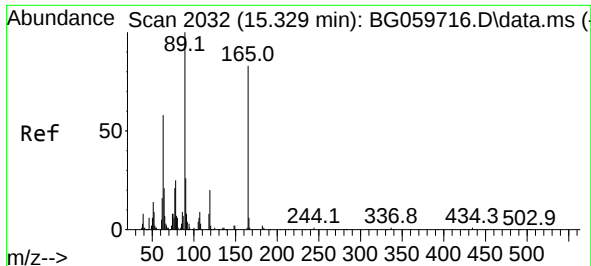
Tgt Ion:172 Resp: 594601
Ion Ratio Lower Upper
172 100
171 36.0 27.7 41.5
170 22.7 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 8.106 ng
RT: 14.945 min Scan# 1967
Delta R.T. 0.403 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion:165 Resp: 16842
Ion Ratio Lower Upper
165 100
63 1.5 75.3 112.9#
89 3.3 90.9 136.3#

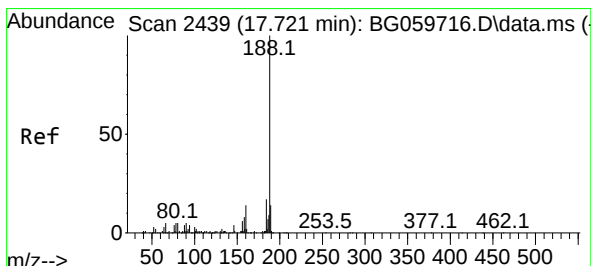
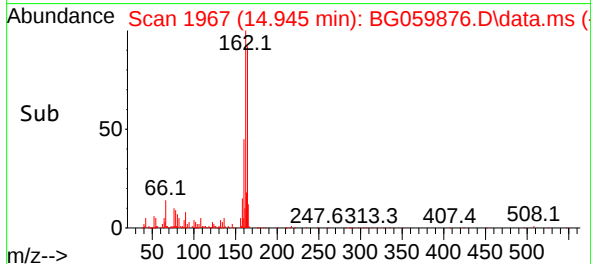
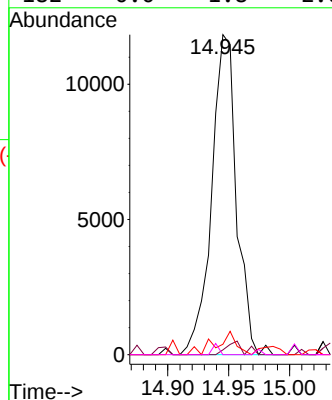
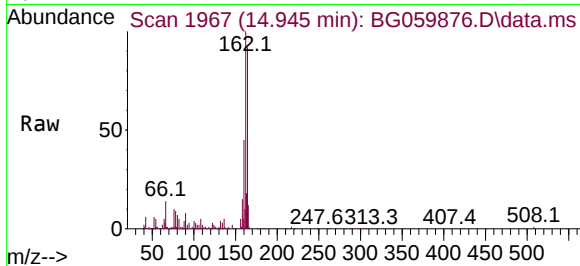




#57
2,4-Dinitrotoluene
Concen: 5.271 ng
RT: 14.945 min Scan# 1967
Delta R.T. -0.379 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

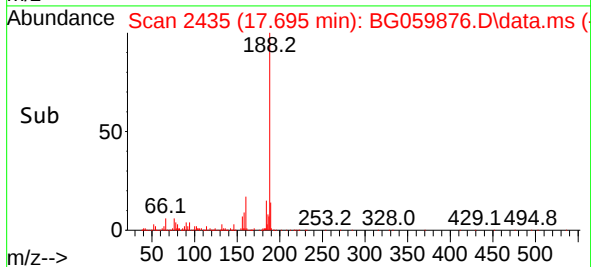
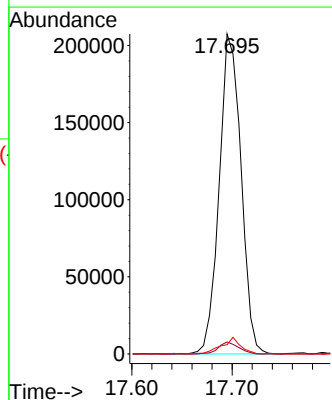
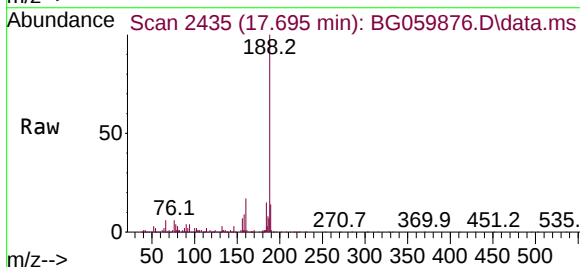
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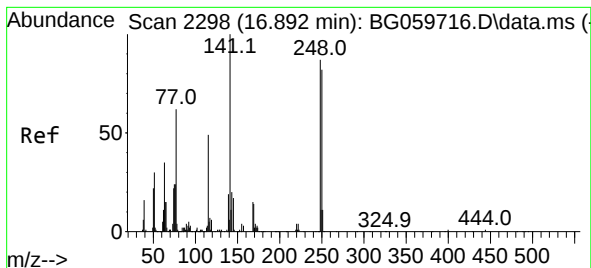
Tgt Ion:165 Resp: 16842
Ion Ratio Lower Upper
165 100
63 1.5 55.8 83.8#
89 3.3 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2435
Delta R.T. -0.015 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion:188 Resp: 312864
Ion Ratio Lower Upper
188 100
94 3.8 3.0 4.4
80 3.5 4.2 6.4#

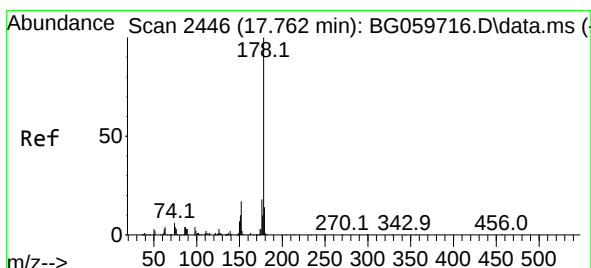
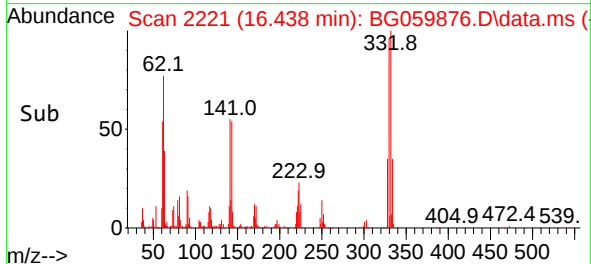
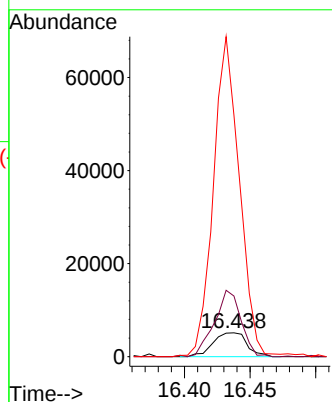
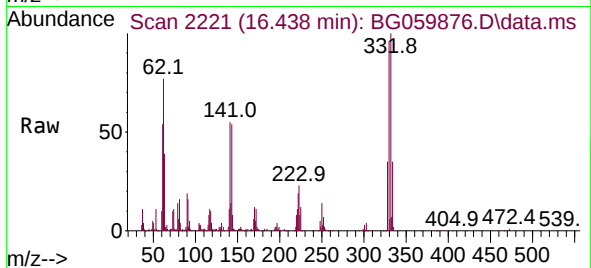




#67
 4-Bromophenyl-phenylether
 Concen: 2.738 ng
 RT: 16.438 min Scan# 211
 Delta R.T. -0.443 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

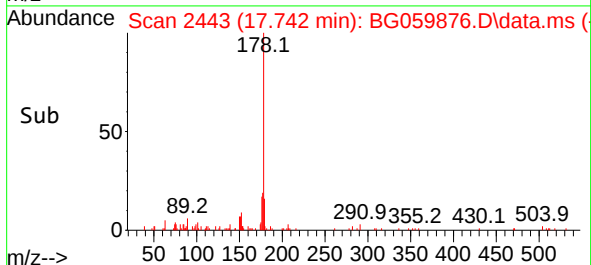
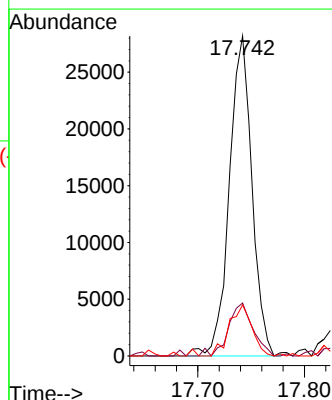
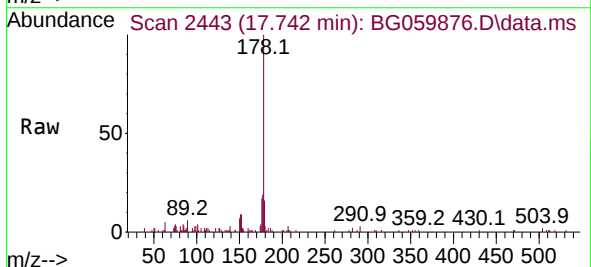
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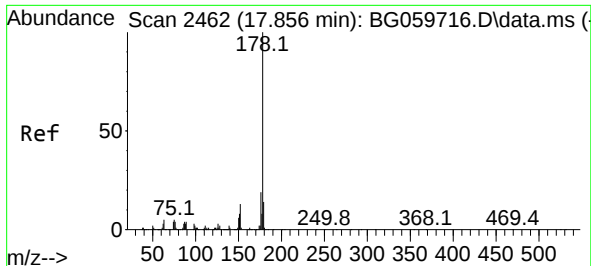
Tgt Ion:248 Resp: 9204
 Ion Ratio Lower Upper
 248 100
 250 179.1 75.2 112.8#
 141 712.9 91.5 137.3#



#71
 Phenanthrene
 Concen: 2.622 ng
 RT: 17.742 min Scan# 2443
 Delta R.T. -0.009 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

Tgt Ion:178 Resp: 41706
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.5 21.7
 179 16.0 11.2 16.8

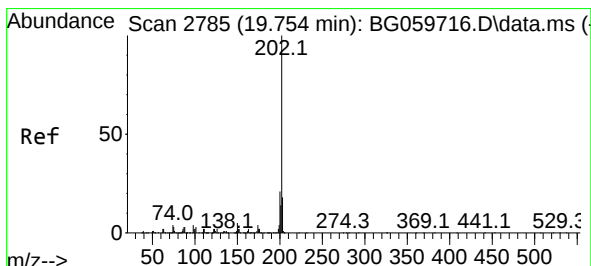
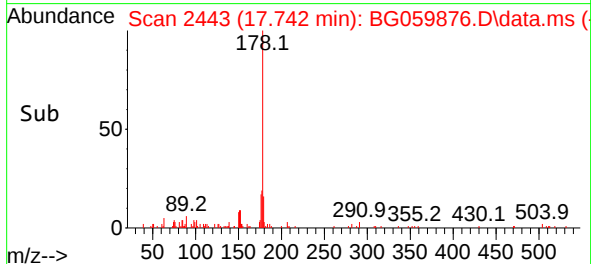
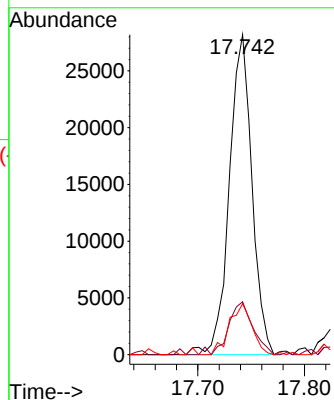
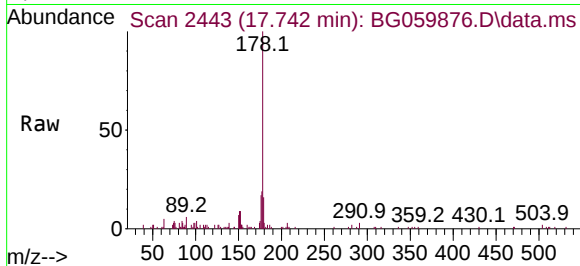




#72
 Anthracene
 Concen: 2.523 ng
 RT: 17.742 min Scan# 2462
 Delta R.T. -0.103 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

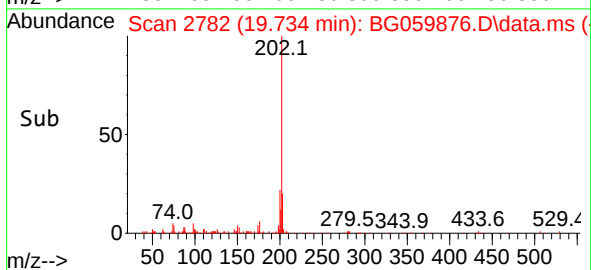
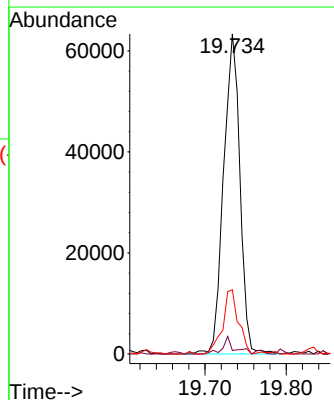
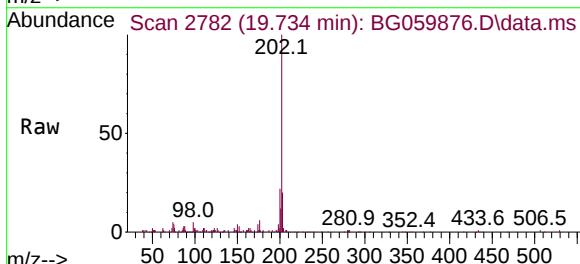
Instrument :
 BNA_G
 ClientSampleId :
 714-BOUND-BROOK

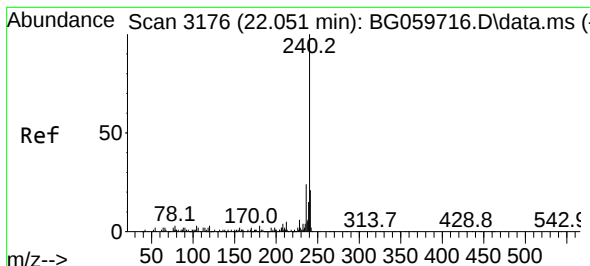
Tgt Ion:178 Resp: 41706
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.0 22.4
 179 16.0 11.5 17.3



#75
 Fluoranthene
 Concen: 4.652 ng
 RT: 19.734 min Scan# 2782
 Delta R.T. -0.009 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

Tgt Ion:202 Resp: 88736
 Ion Ratio Lower Upper
 202 100
 101 1.1 0.0 22.7
 203 20.1 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.019 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059876.D

Acq: 25 Nov 2023 3:08

Instrument :

BNA_G

ClientSampleId :

714-BOUND-BROOK

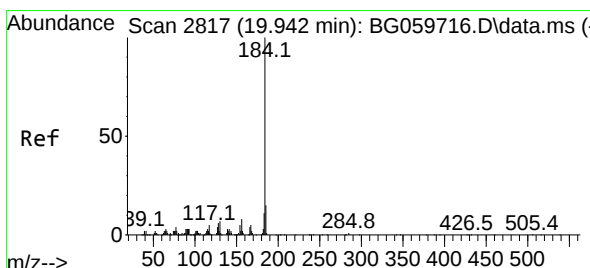
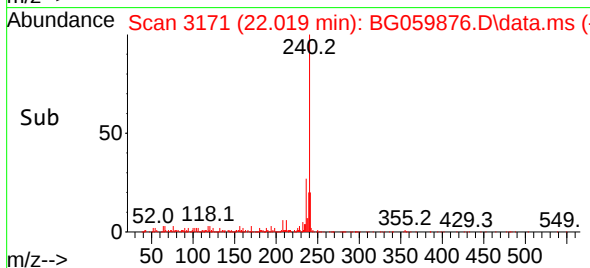
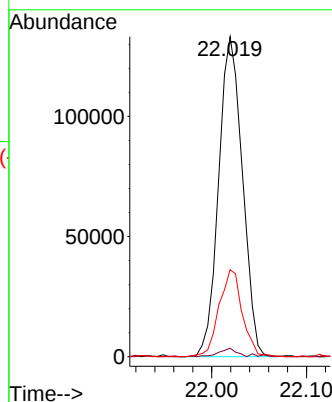
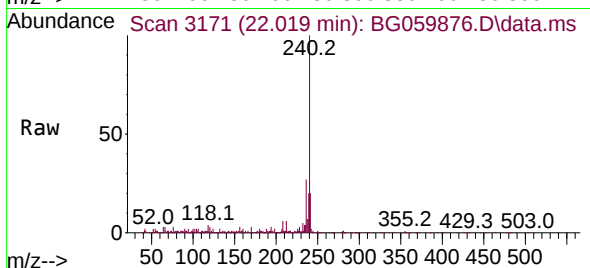
Tgt Ion:240 Resp: 232404

Ion Ratio Lower Upper

240 100

120 2.6 2.2 3.2

236 27.2 19.4 29.2



#77

Benzidine

Concen: 4.937 ng

RT: 20.274 min Scan# 2874

Delta R.T. 0.344 min

Lab File: BG059876.D

Acq: 25 Nov 2023 3:08

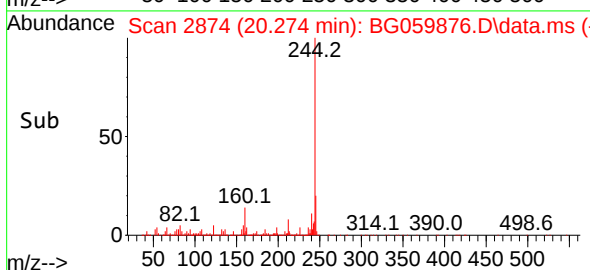
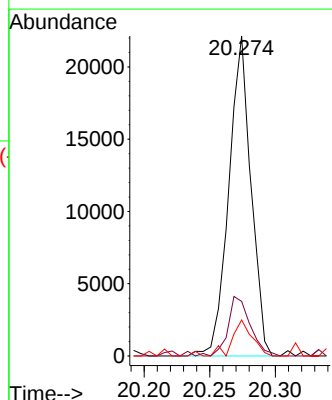
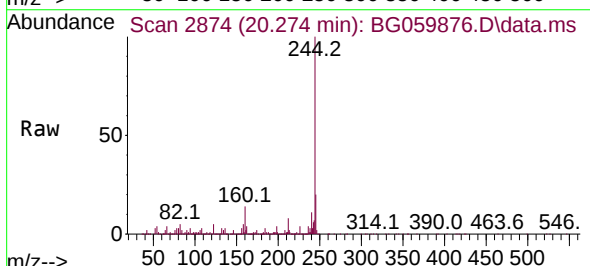
Tgt Ion:184 Resp: 26020

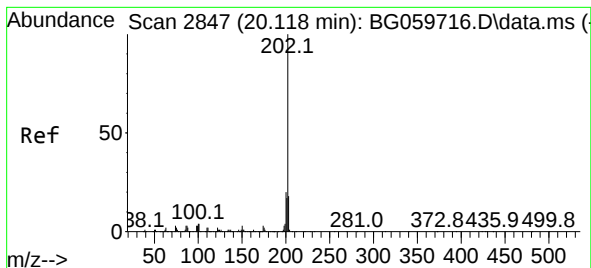
Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

183 11.3 8.8 13.2





#78

Pyrene

Concen: 5.006 ng

RT: 20.098 min Scan# 2844

Delta R.T. -0.009 min

Lab File: BG059876.D

Acq: 25 Nov 2023 3:08

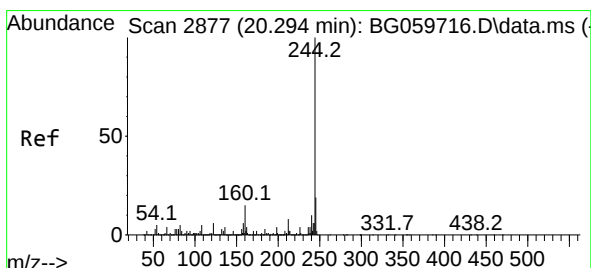
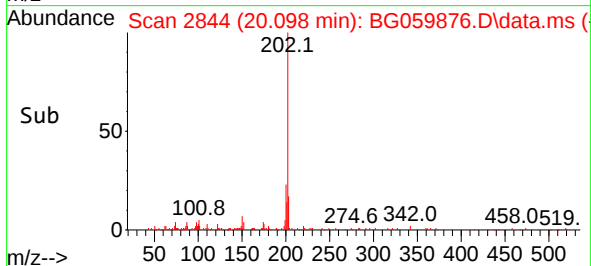
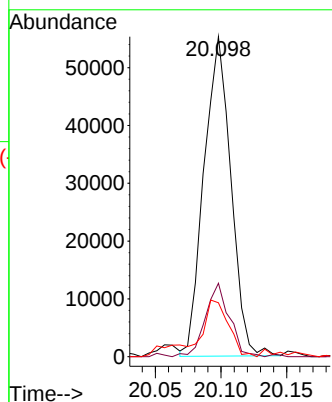
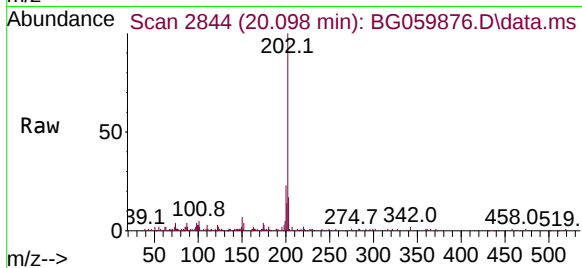
Instrument :

BNA_G

ClientSampleId :

714-BOUND-BROOK

Tgt Ion:	202	Resp:	79165
Ion Ratio	Lower	Upper	
202	100		
200	22.9	16.2	24.4
203	16.9	14.0	21.0



#79

Terphenyl-d14

Concen: 59.889 ng

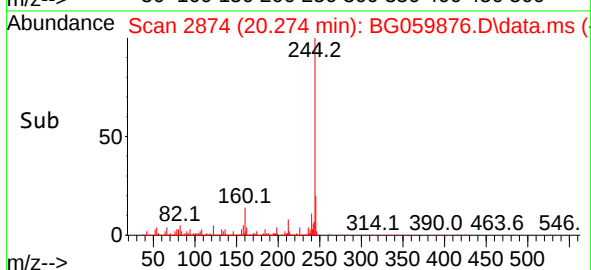
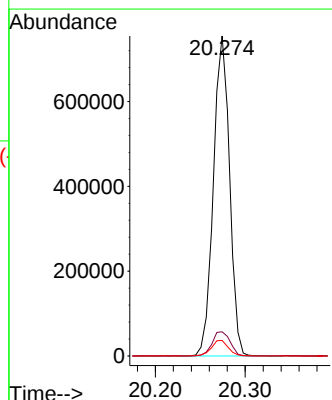
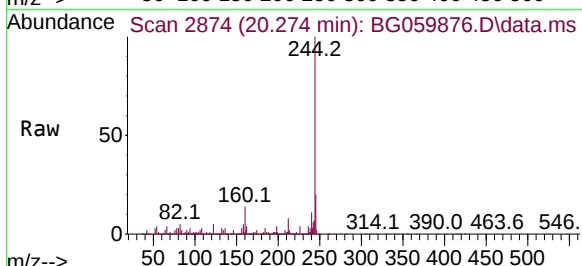
RT: 20.274 min Scan# 2874

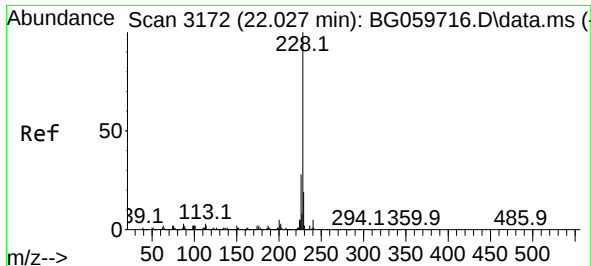
Delta R.T. -0.009 min

Lab File: BG059876.D

Acq: 25 Nov 2023 3:08

Tgt Ion:	244	Resp:	942826
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.6	10.0
122	4.9	4.4	6.6

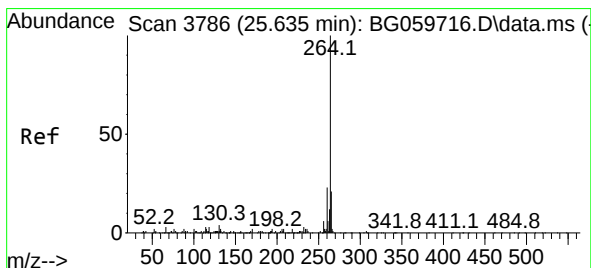
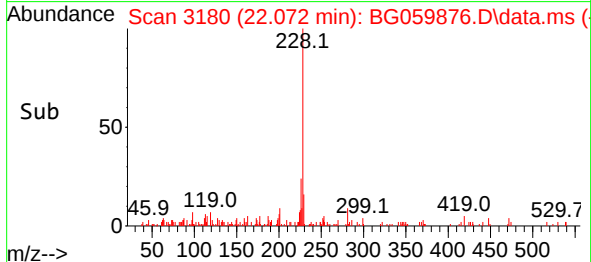
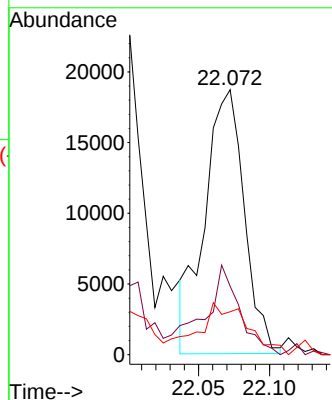
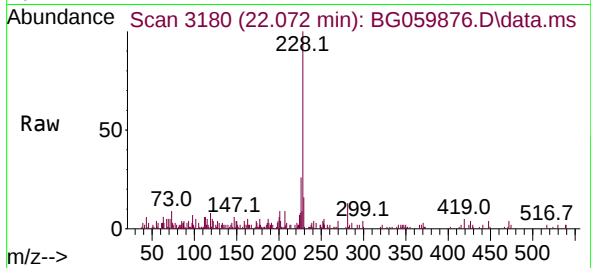




#81
Benzo(a)anthracene
Concen: 2.280 ng
RT: 22.072 min Scan# 3172
Delta R.T. 0.062 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

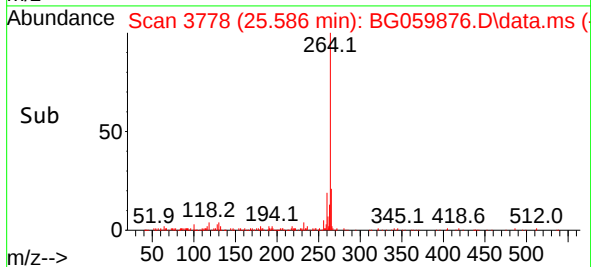
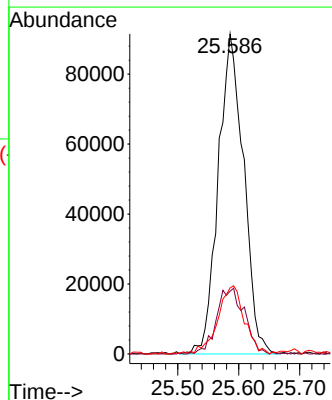
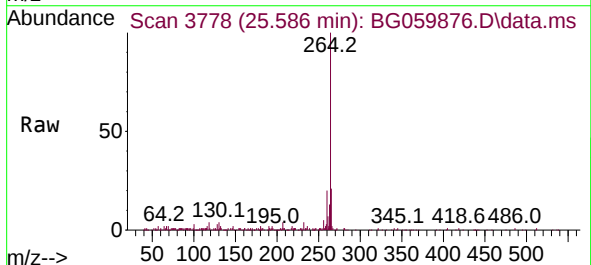
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK

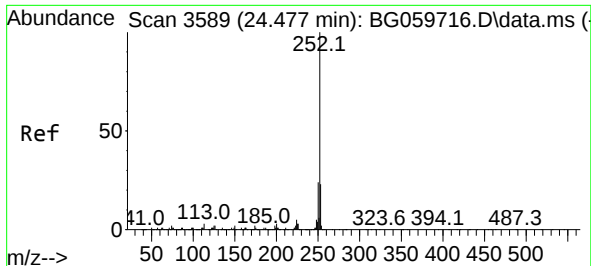
Tgt Ion:	228	Resp:	36259
Ion Ratio	Lower	Upper	
228	100		
226	25.8	22.1	33.1
229	16.2	14.9	22.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.586 min Scan# 3778
Delta R.T. -0.026 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion:	264	Resp:	264133
Ion Ratio	Lower	Upper	
264	100		
260	19.6	18.5	27.7
265	20.7	17.0	25.6

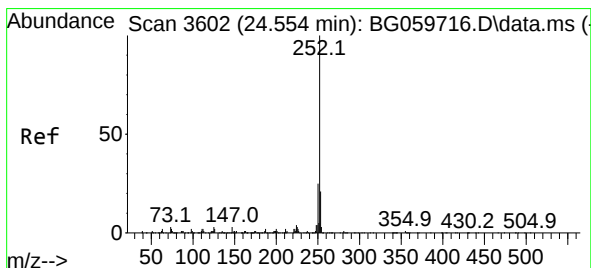
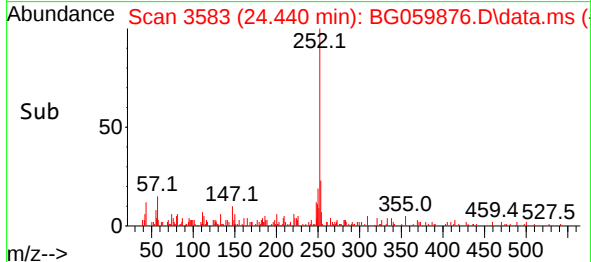
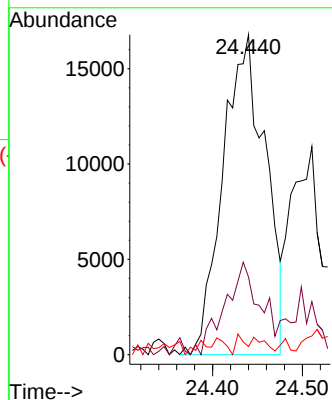
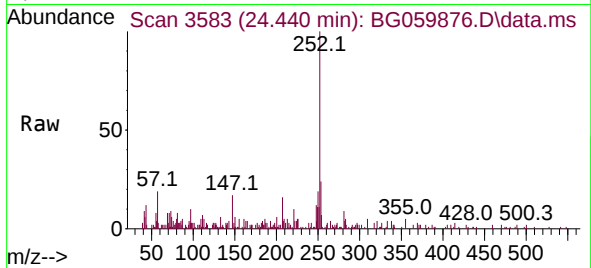




#88
Benzo(b)fluoranthene
Concen: 3.791 ng
RT: 24.440 min Scan# 3583
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

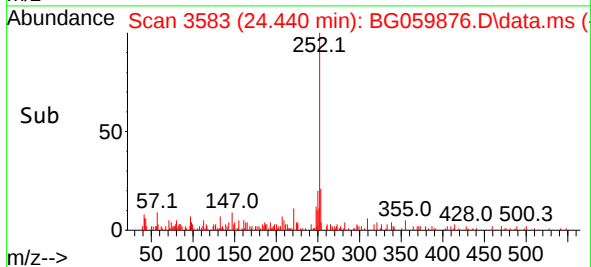
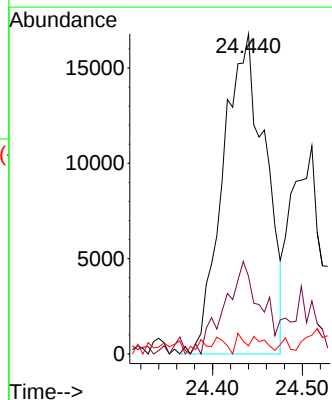
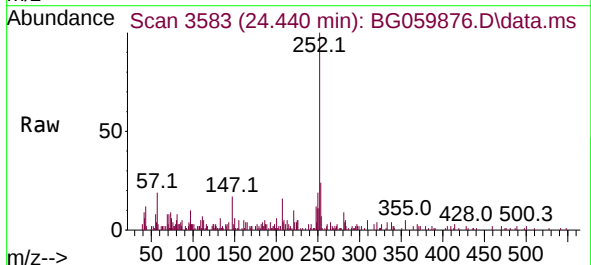
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK

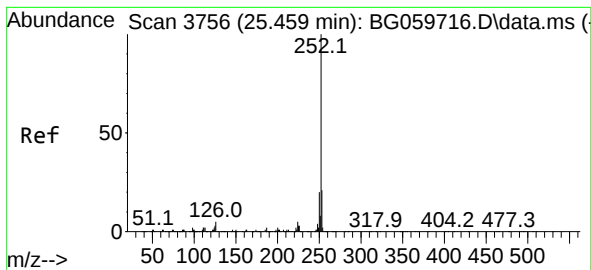
Tgt Ion:252 Resp: 54875
Ion Ratio Lower Upper
252 100
253 24.2 18.3 27.5
125 2.5 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 3.834 ng
RT: 24.440 min Scan# 3583
Delta R.T. -0.091 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

Tgt Ion:252 Resp: 54875
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 2.5 2.2 3.2





#90

Benzo(a)pyrene

Concen: 2.530 ng

RT: 25.409 min Scan# 31

Delta R.T. -0.032 min

Lab File: BG059876.D

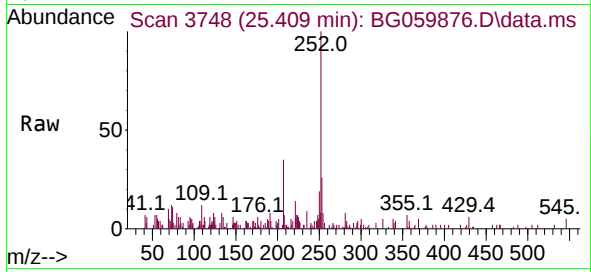
Acq: 25 Nov 2023 3:08

Instrument :

BNA_G

ClientSampleId :

714-BOUND-BROOK



Tgt Ion:252 Resp: 39088

Ion Ratio Lower Upper

252 100

253 26.4 16.8 25.2#

125 6.1 2.0 3.0#

