

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060109.D
 Acq On : 20 Dec 2023 21:54
 Operator : MA/JU
 Sample : 05670-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-6ADL

Quant Time: Dec 21 02:42:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

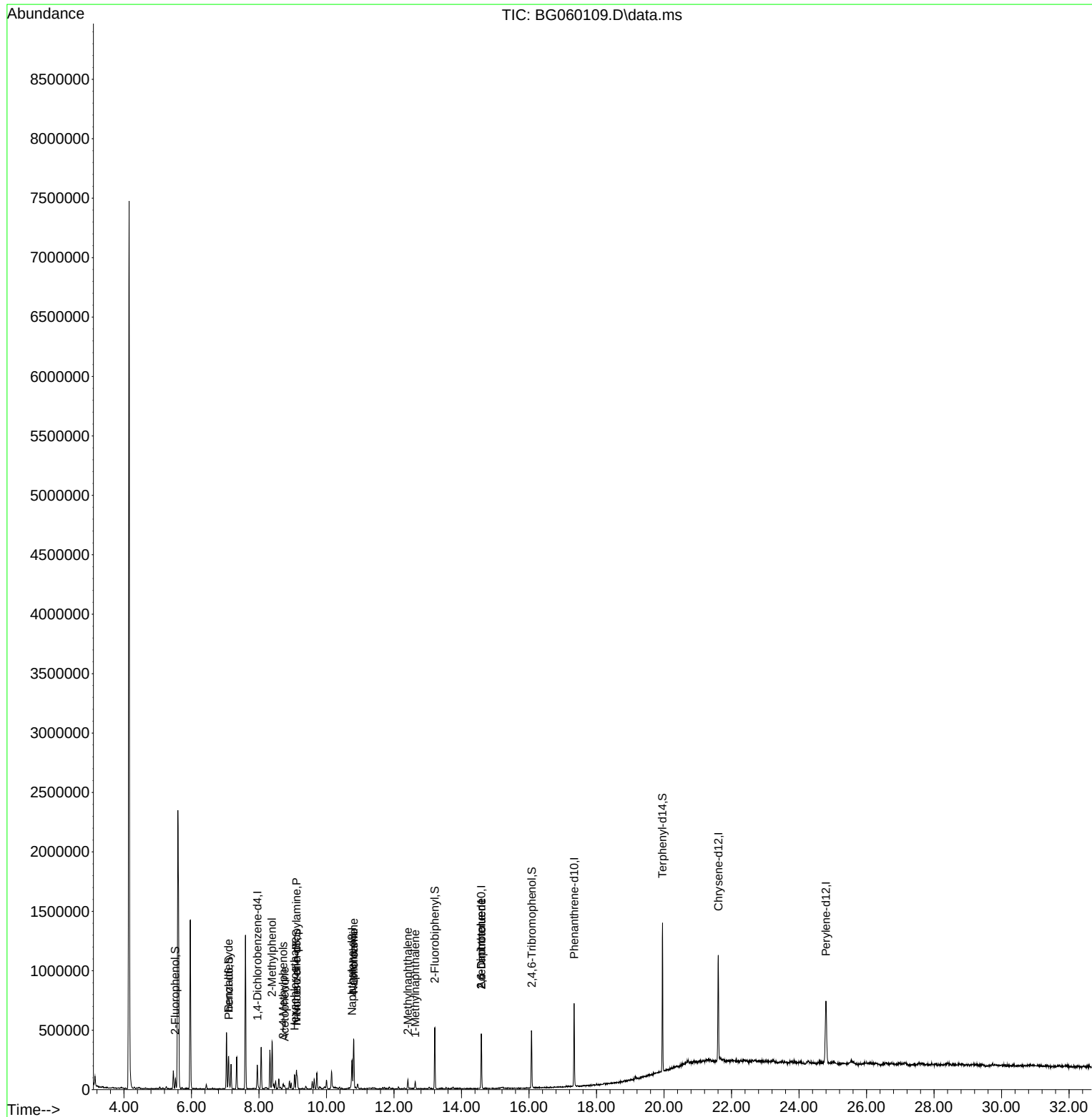
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	50311	20.000	ng	0.00
21) Naphthalene-d8	10.756	136	170979	20.000	ng	# 0.00
39) Acenaphthene-d10	14.586	164	159924	20.000	ng	-0.01
64) Phenanthrene-d10	17.336	188	473131	20.000	ng	#-0.01
76) Chrysene-d12	21.608	240	600592	20.000	ng	#-0.01
86) Perylene-d12	24.798	264	703886	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	26163	8.902	ng	0.00
7) Phenol-d6	7.107	99	24870	6.016	ng	0.00
23) Nitrobenzene-d5	9.111	82	82298	21.857	ng	-0.01
42) 2,4,6-Tribromophenol	16.079	330	127483	34.206	ng	0.00
45) 2-Fluorobiphenyl	13.206	172	276372	21.151	ng	-0.01
79) Terphenyl-d14	19.957	244	720054	21.889	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	7.095	77	22944	9.127	ng	# 1
17) 2-Methylphenol	8.388	107	94938	34.288	ng	# 82
18) Hexachloroethane	9.058	117	15483	13.188	ng	# 1
19) n-Nitroso-di-n-propyla...	9.111	70	13804	5.175	ng	# 61
20) 3+4-Methylphenols	8.717	107	16043	4.148	ng	# 86
22) Acetophenone	8.758	105	18051	3.623	ng	# 72
31) Naphthalene	10.803	128	261627	29.394	ng	98
33) 4-Chloroaniline	10.809	127	36315	10.723	ng	# 36
37) 2-Methylnaphthalene	12.413	142	28683	4.109	ng	# 81
38) 1-Methylnaphthalene	12.630	142	16747	2.429	ng	# 96
51) 2,6-Dinitrotoluene	14.586	165	21546	8.379	ng	# 25
57) 2,4-Dinitrotoluene	14.586	165	21546	5.961	ng	# 28
69) Atrazine	16.807	200	75	Below Cal		# 56

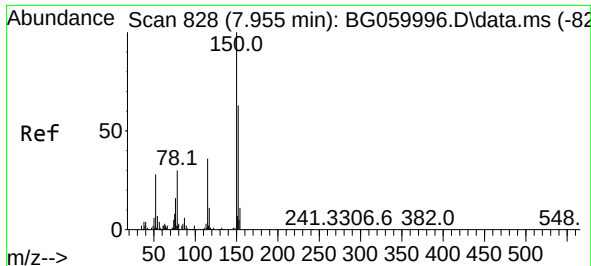
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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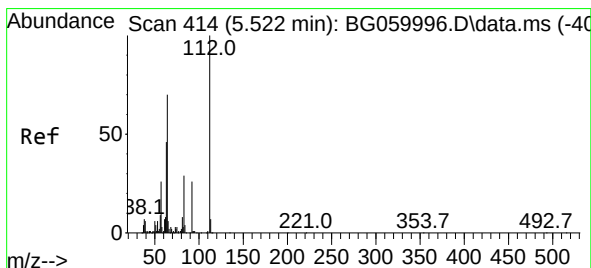
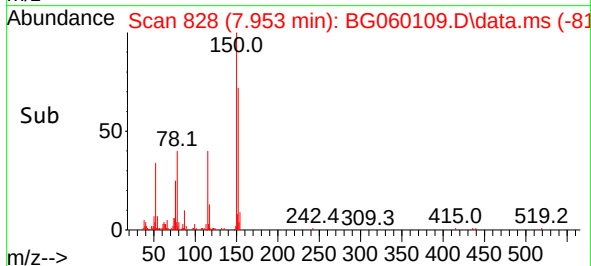
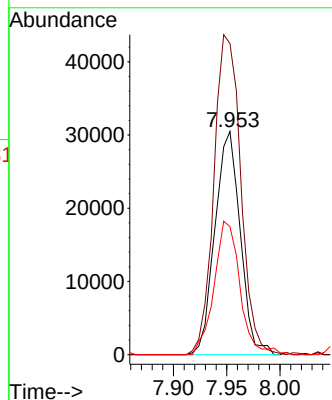
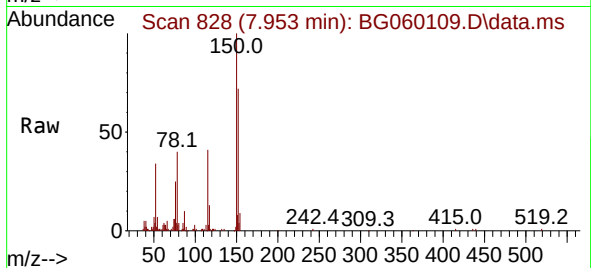




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

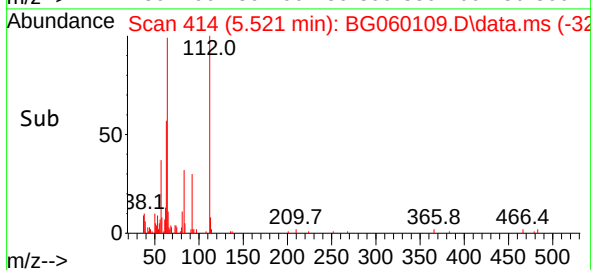
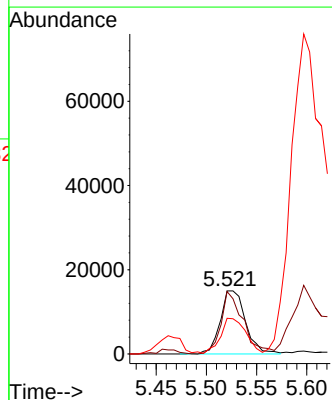
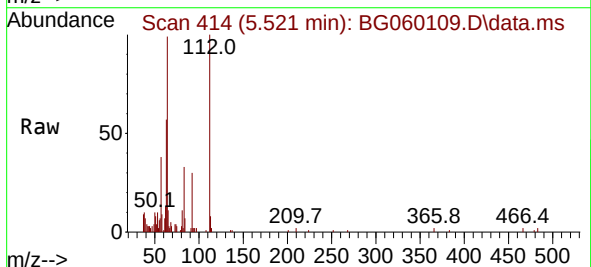
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

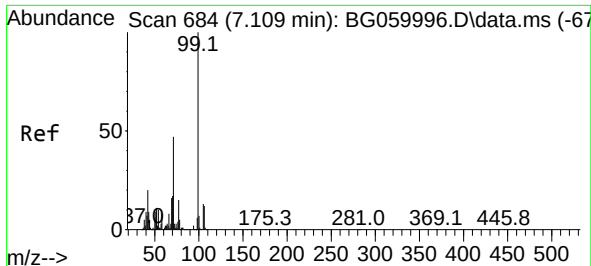
Tgt Ion:152 Resp: 50311
Ion Ratio Lower Upper
152 100
150 139.4 127.0 190.6
115 57.4 45.7 68.5



#5
2-Fluorophenol
Concen: 8.902 ng
RT: 5.521 min Scan# 414
Delta R.T. -0.006 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion:112 Resp: 26163
Ion Ratio Lower Upper
112 100
64 99.1 55.9 83.9#
63 56.7 36.5 54.7#

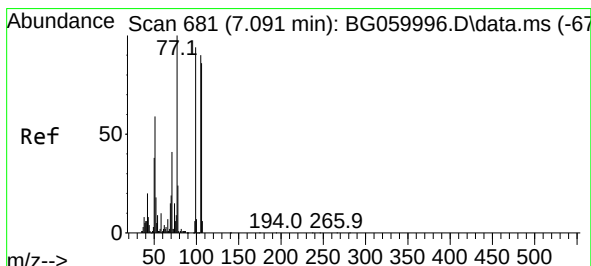
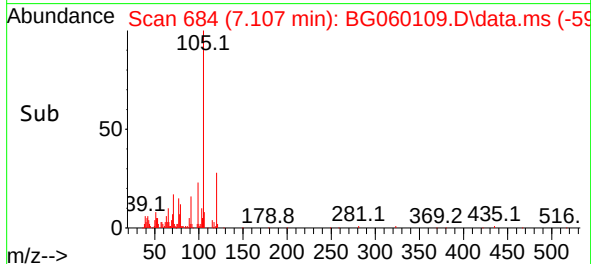
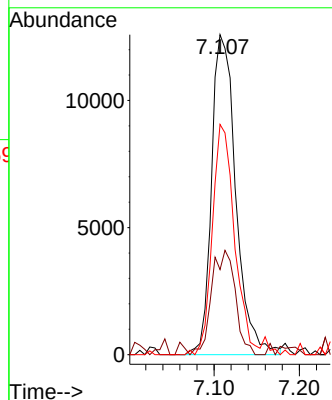
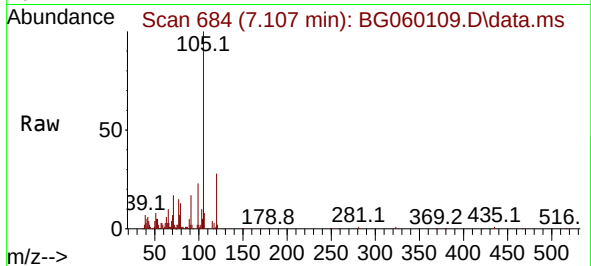




#7
Phenol-d6
Concen: 6.016 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

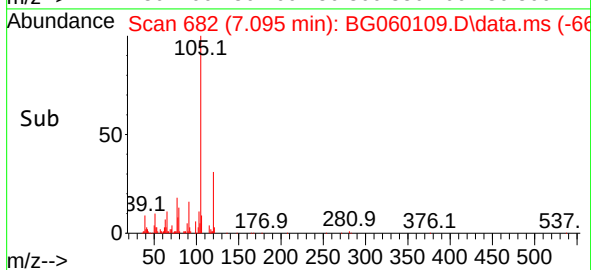
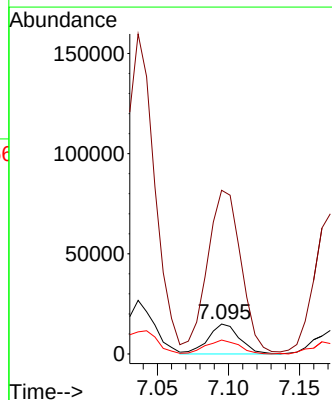
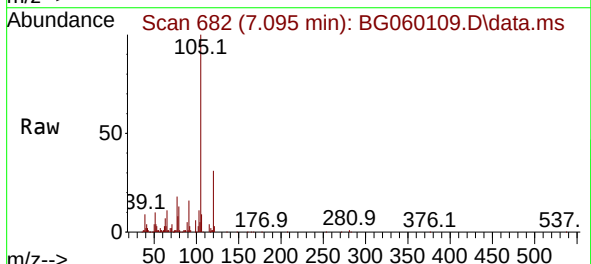
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

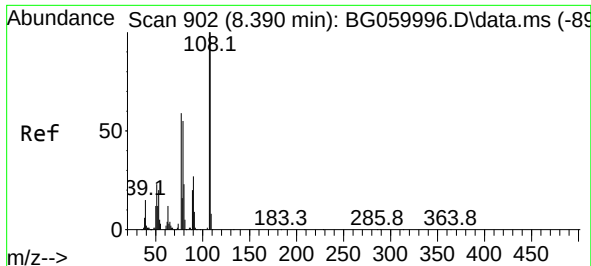
Tgt Ion: 99 Resp: 24870
Ion Ratio Lower Upper
99 100
42 26.6 16.2 24.4#
71 71.9 37.6 56.4#



#9
Benzaldehyde
Concen: 9.127 ng
RT: 7.095 min Scan# 682
Delta R.T. 0.000 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion: 77 Resp: 22944
Ion Ratio Lower Upper
77 100
105 546.7 70.5 110.5#
106 46.7 66.0 106.0#





#17

2-Methylphenol

Concen: 34.288 ng

RT: 8.388 min Scan# 90

Delta R.T. -0.006 min

Lab File: BG060109.D

Acq: 20 Dec 2023 21:54

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

Tgt Ion:107 Resp: 94938

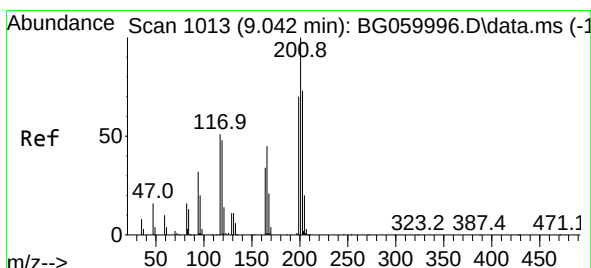
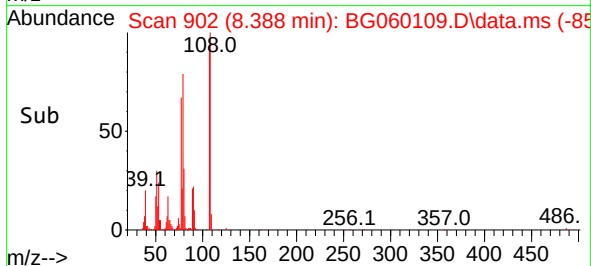
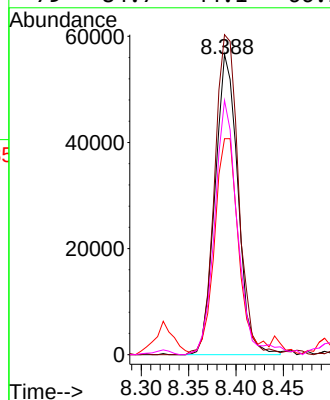
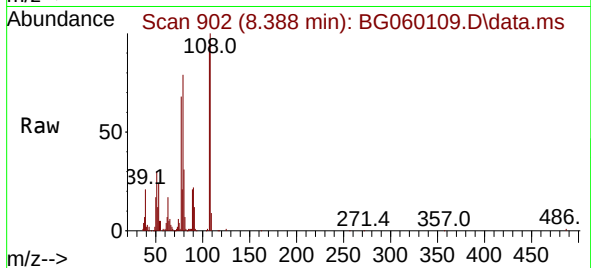
Ion Ratio Lower Upper

107 100

108 106.5 80.7 121.1

77 71.9 47.8 71.6#

79 84.7 44.1 66.1#



#18

Hexachloroethane

Concen: 13.188 ng

RT: 9.058 min Scan# 1016

Delta R.T. 0.012 min

Lab File: BG060109.D

Acq: 20 Dec 2023 21:54

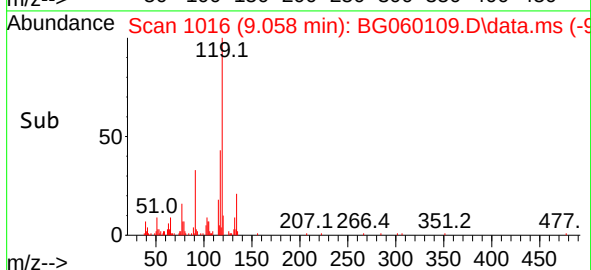
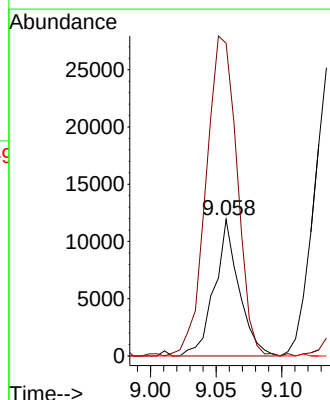
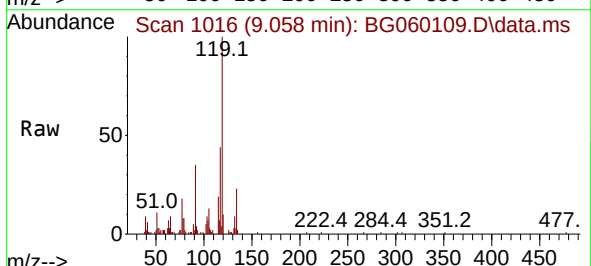
Tgt Ion:117 Resp: 15483

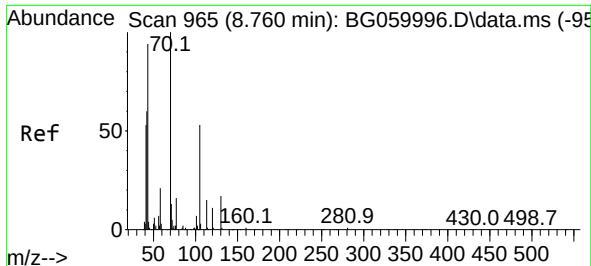
Ion Ratio Lower Upper

117 100

119 229.0 74.5 111.7#

201 0.0 156.5 234.7#

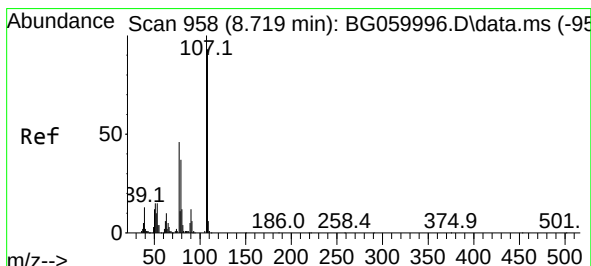
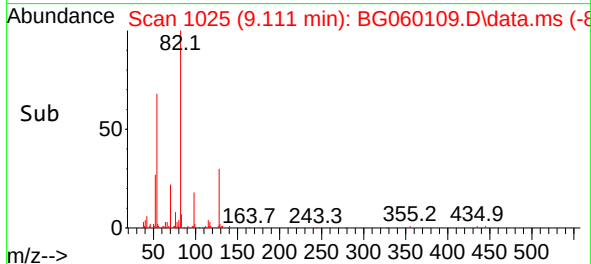
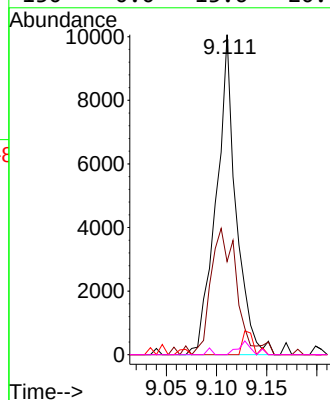
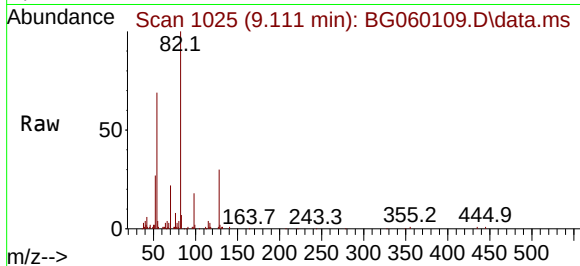




#19
n-Nitroso-di-n-propylamine
Concen: 5.175 ng
RT: 9.111 min Scan# 1025
Delta R.T. 0.347 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

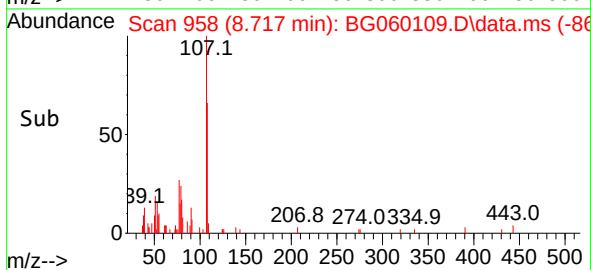
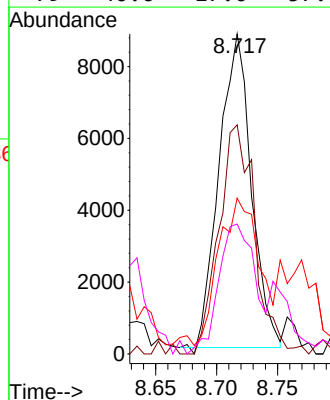
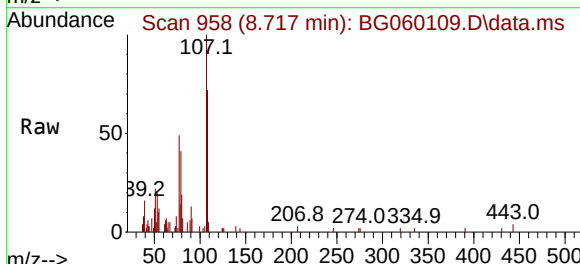
Instrument :
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ClientSampleId :
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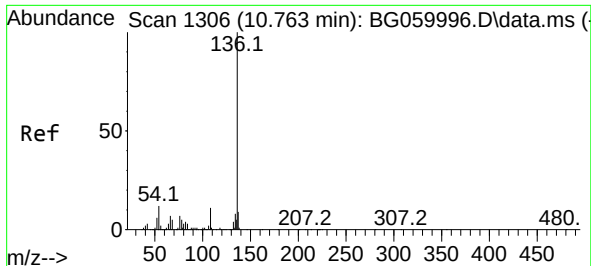
Tgt Ion: 70 Resp: 13804
Ion Ratio Lower Upper
70 100
42 29.1 48.6 73.0#
101 0.0 5.7 8.5#
130 0.0 13.6 20.4#



#20
3+4-Methylphenols
Concen: 4.148 ng
RT: 8.717 min Scan# 958
Delta R.T. 0.000 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion: 107 Resp: 16043
Ion Ratio Lower Upper
107 100
108 71.6 72.8 112.8#
77 48.7 25.6 65.6
79 40.6 17.0 57.0

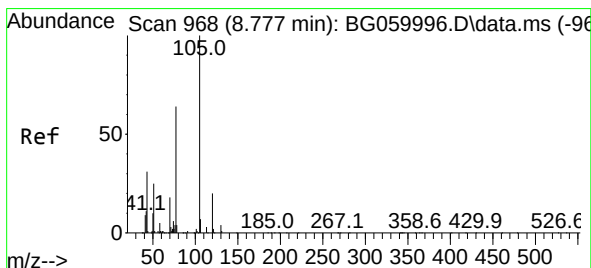
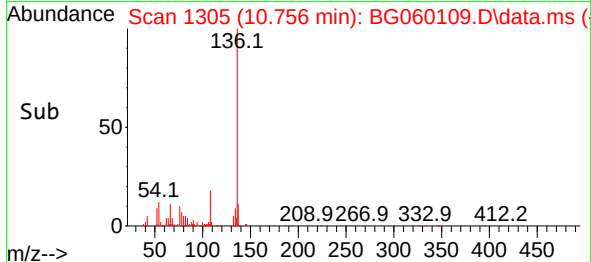
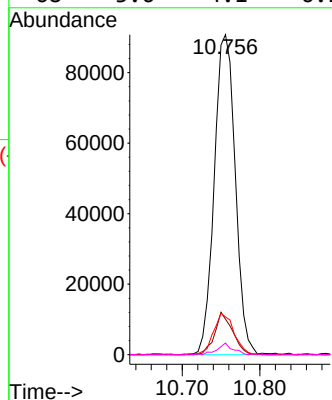
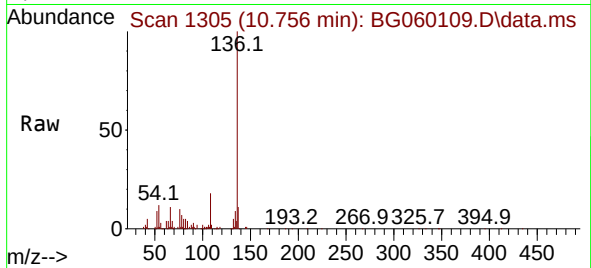




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

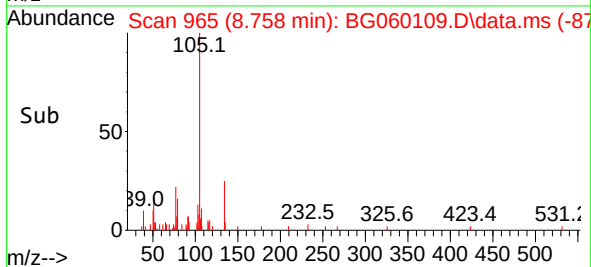
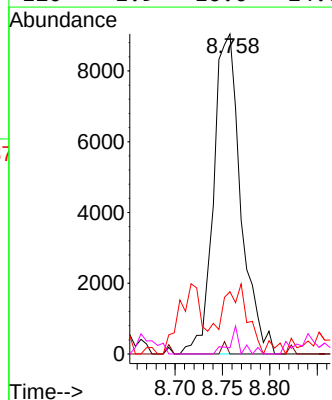
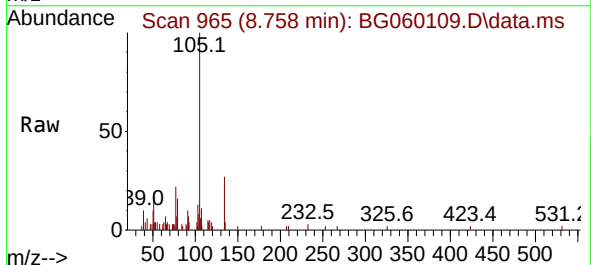
Instrument :
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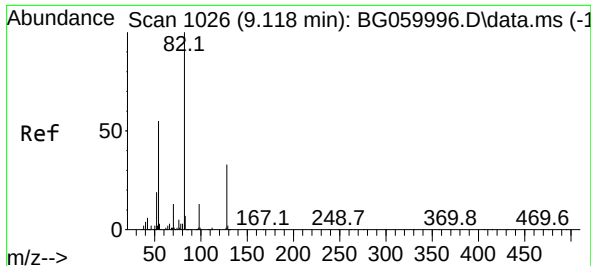
Tgt Ion:136 Resp: 170979
Ion Ratio Lower Upper
136 100
137 11.1 7.3 10.9#
54 11.8 9.6 14.4
68 3.6 4.1 6.1#



#22
Acetophenone
Concen: 3.623 ng
RT: 8.758 min Scan# 965
Delta R.T. -0.023 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion:105 Resp: 18051
Ion Ratio Lower Upper
105 100
71 0.0 2.1 3.1#
51 19.5 25.4 38.0#
120 1.9 16.0 24.0#

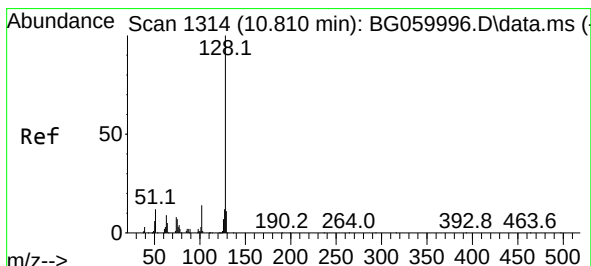
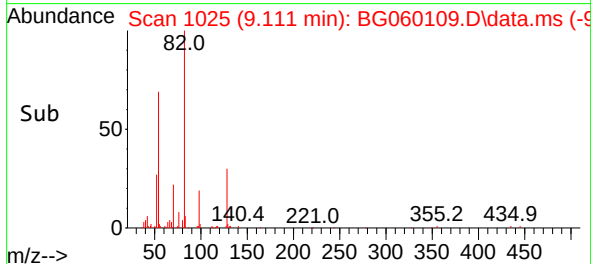
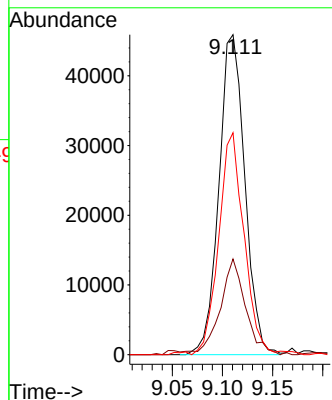
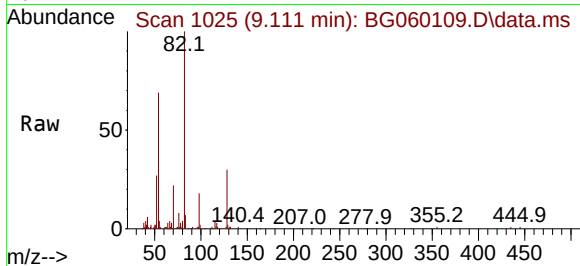




#23
Nitrobenzene-d5
Concen: 21.857 ng
RT: 9.111 min Scan# 1025
Delta R.T. -0.011 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

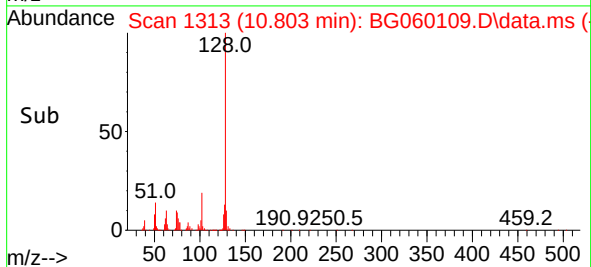
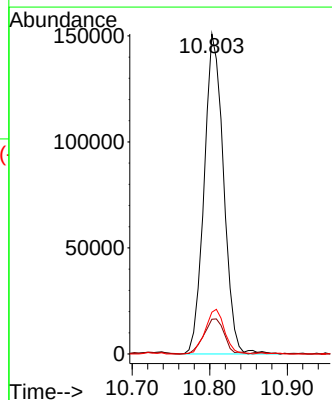
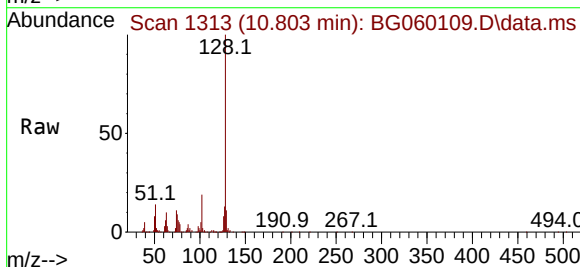
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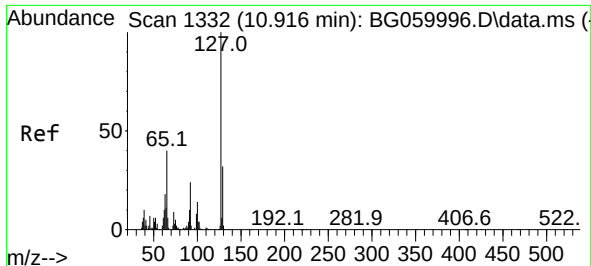
Tgt Ion: 82 Resp: 82298
Ion Ratio Lower Upper
82 100
128 29.9 26.3 39.5
54 69.4 44.3 66.5#



#31
Naphthalene
Concen: 29.394 ng
RT: 10.803 min Scan# 1313
Delta R.T. -0.011 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion: 128 Resp: 261627
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.1 9.7 14.5

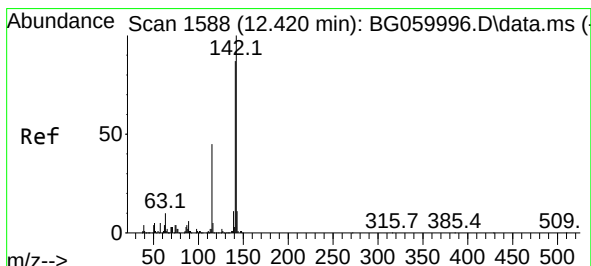
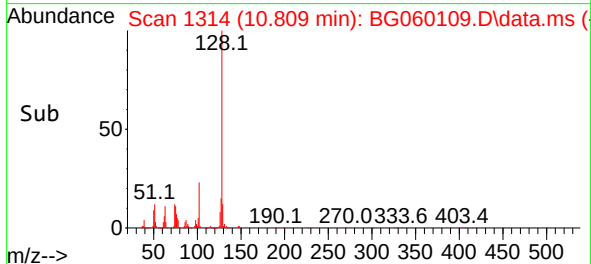
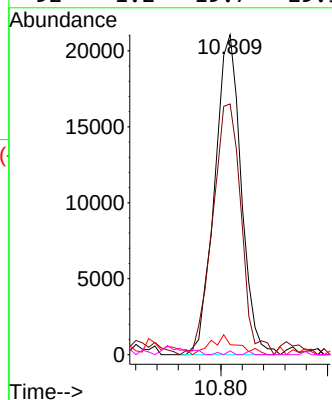
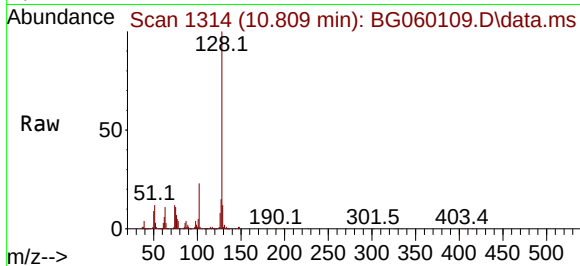




#33
4-Chloroaniline
Concen: 10.723 ng
RT: 10.809 min Scan# 11
Delta R.T. -0.105 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

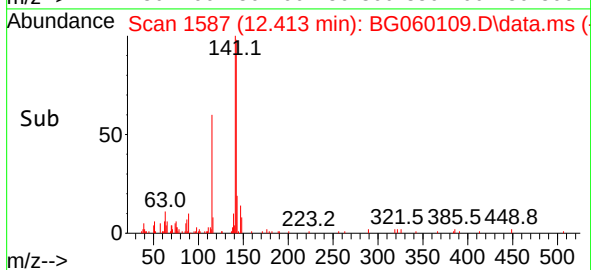
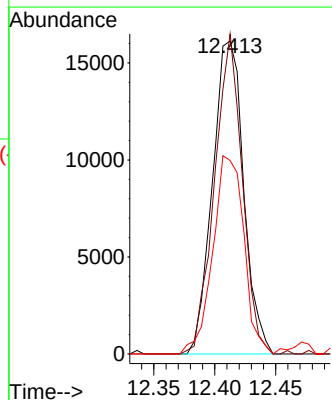
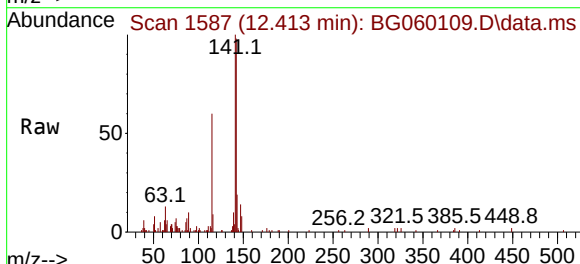
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

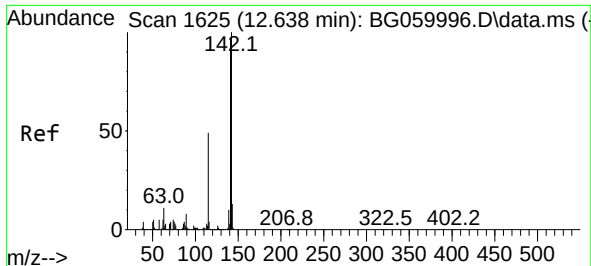
Tgt Ion:	127	Resp:	36315
Ion Ratio	Lower	Upper	
127	100		
129	78.4	25.7	38.5#
65	3.1	32.3	48.5#
92	1.2	19.7	29.5#



#37
2-Methylnaphthalene
Concen: 4.109 ng
RT: 12.413 min Scan# 1587
Delta R.T. -0.011 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion:	142	Resp:	28683
Ion Ratio	Lower	Upper	
142	100		
141	102.3	69.9	104.9
115	61.8	36.1	54.1#

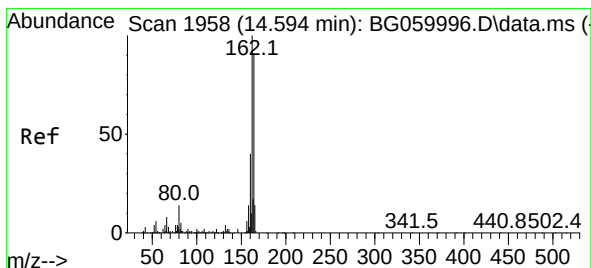
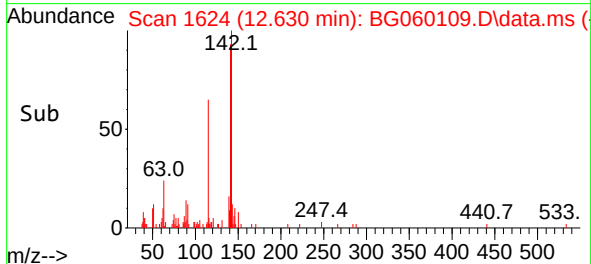
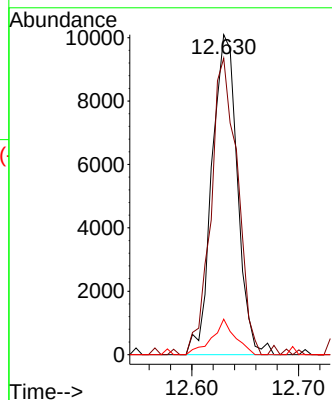
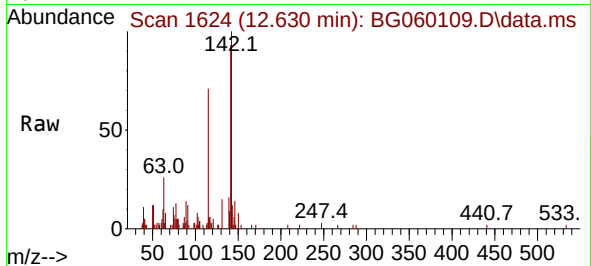




#38
1-Methylnaphthalene
Concen: 2.429 ng
RT: 12.630 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

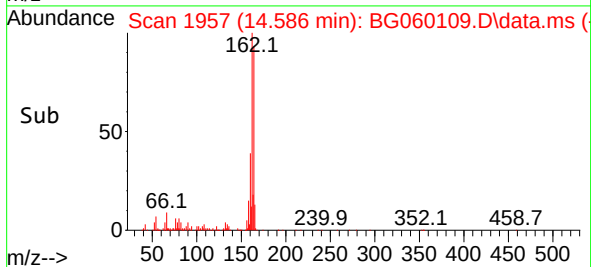
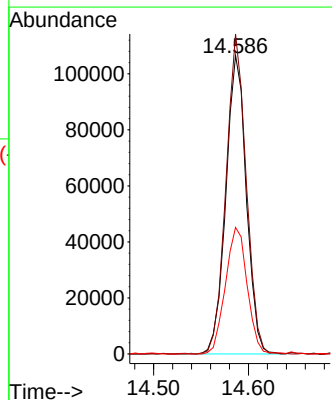
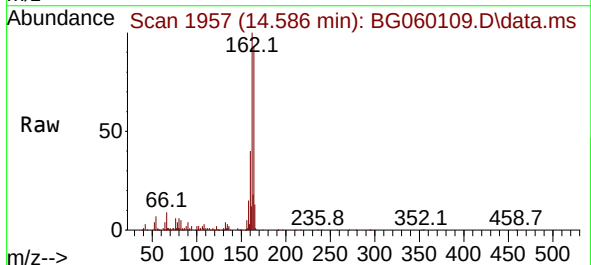
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

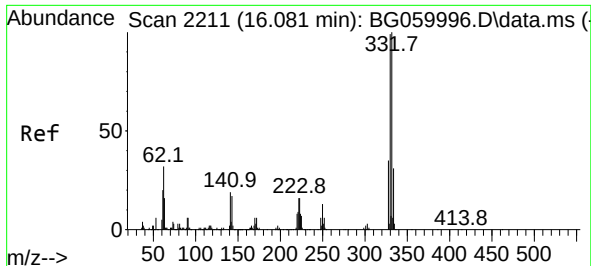
Tgt Ion:142 Resp: 16747
Ion Ratio Lower Upper
142 100
141 92.7 76.9 115.3
116 11.1 3.5 5.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.011 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion:164 Resp: 159924
Ion Ratio Lower Upper
164 100
162 107.2 88.1 132.1
160 42.4 35.4 53.0

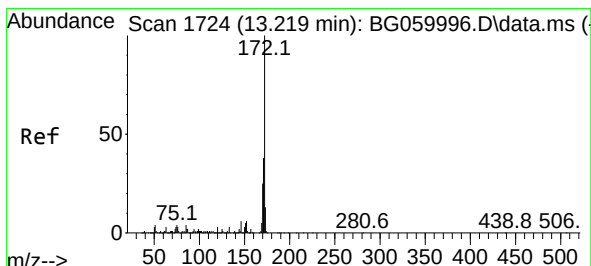
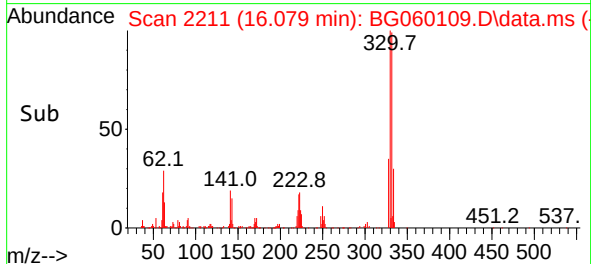
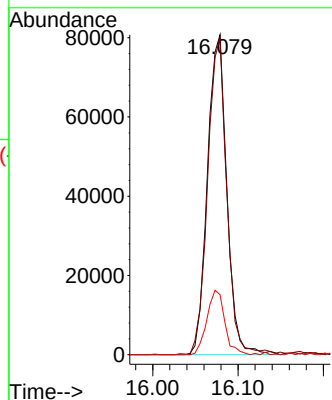
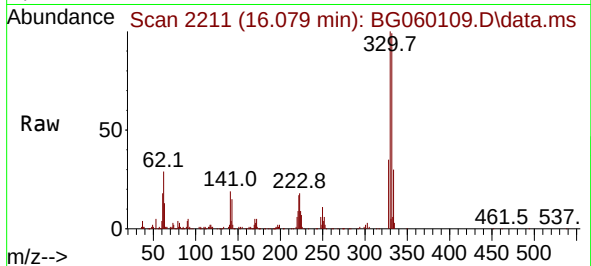




#42
2,4,6-Tribromophenol
Concen: 34.206 ng
RT: 16.079 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

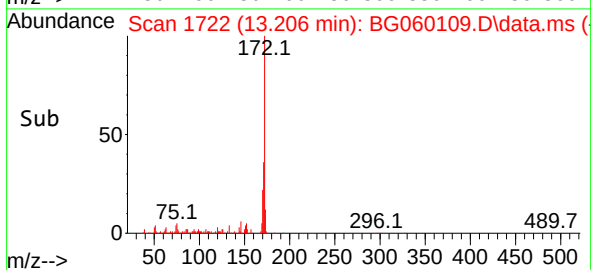
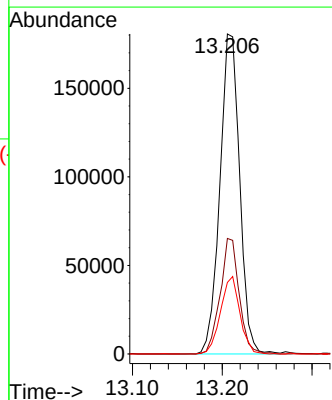
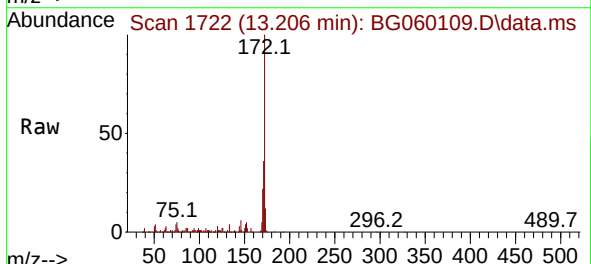
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

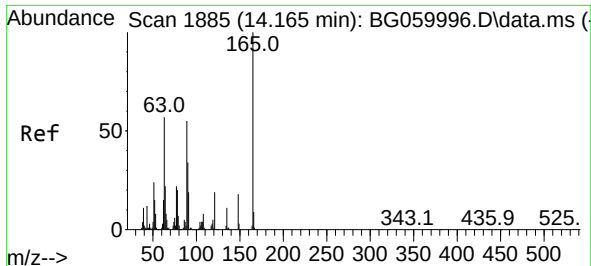
Tgt Ion:330 Resp: 127483
Ion Ratio Lower Upper
330 100
332 97.8 76.2 114.4
141 18.6 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 21.151 ng
RT: 13.206 min Scan# 1722
Delta R.T. -0.011 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion:172 Resp: 276372
Ion Ratio Lower Upper
172 100
171 36.1 30.1 45.1
170 22.3 20.0 30.0

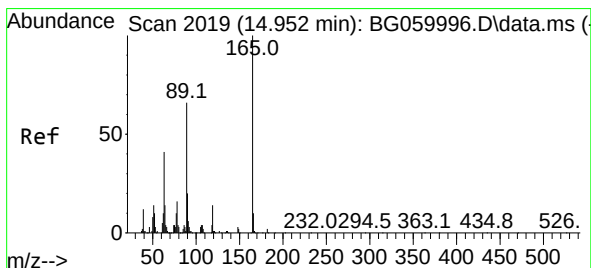
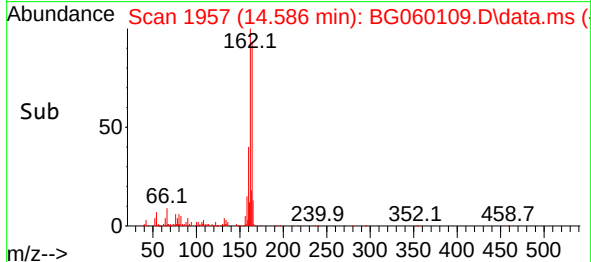
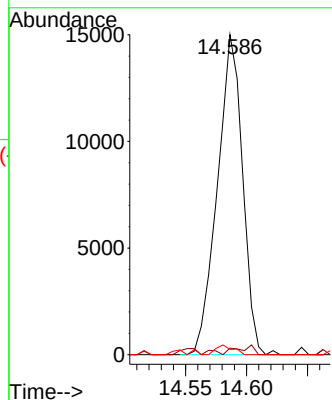
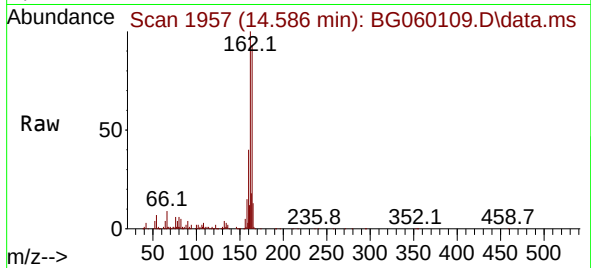




#51
2,6-Dinitrotoluene
Concen: 8.379 ng
RT: 14.586 min Scan# 1957
Delta R.T. 0.417 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

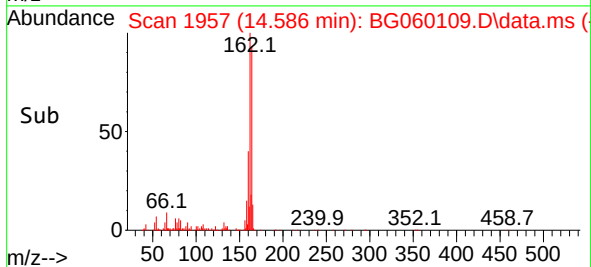
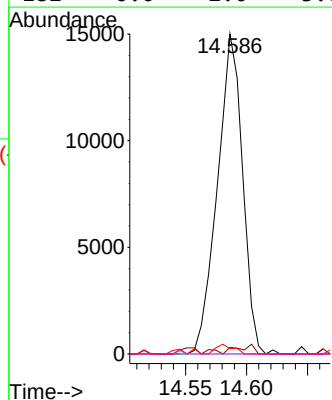
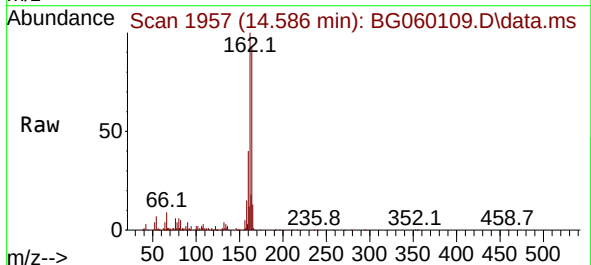
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

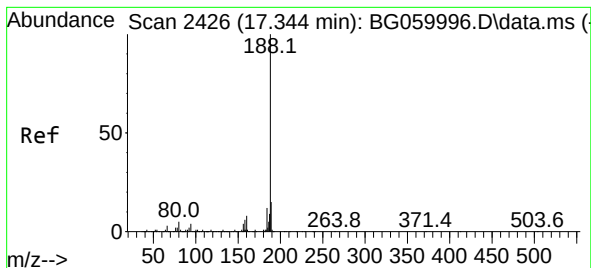
Tgt Ion:165 Resp: 21546
Ion Ratio Lower Upper
165 100
63 2.1 48.2 72.2#
89 1.6 44.4 66.6#



#57
2,4-Dinitrotoluene
Concen: 5.961 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.364 min
Lab File: BG060109.D
Acq: 20 Dec 2023 21:54

Tgt Ion:165 Resp: 21546
Ion Ratio Lower Upper
165 100
63 2.1 32.8 49.2#
89 1.6 53.0 79.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.336 min Scan# 24

Delta R.T. -0.011 min

Lab File: BG060109.D

Acq: 20 Dec 2023 21:54

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

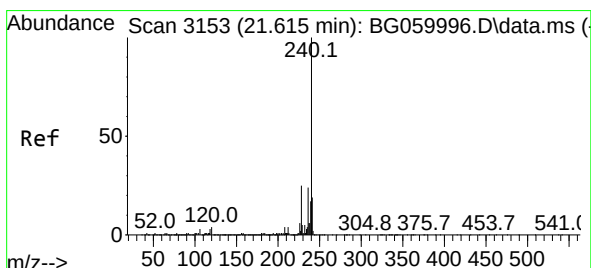
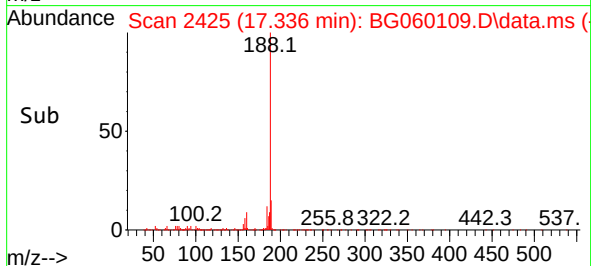
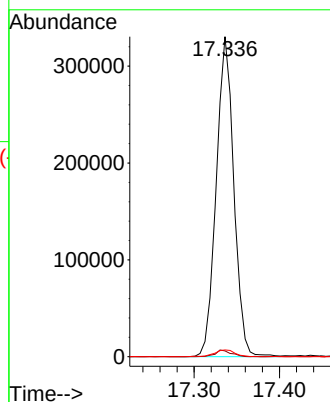
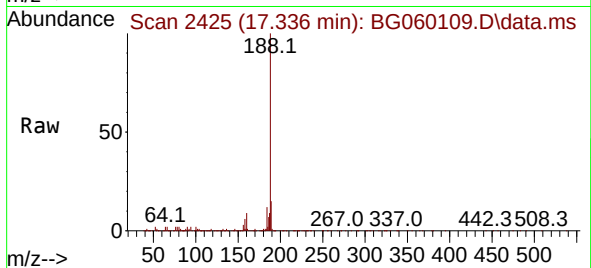
Tgt Ion:188 Resp: 473131

Ion Ratio Lower Upper

188 100

94 1.8 3.0 4.6#

80 2.1 4.0 6.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.608 min Scan# 3152

Delta R.T. -0.011 min

Lab File: BG060109.D

Acq: 20 Dec 2023 21:54

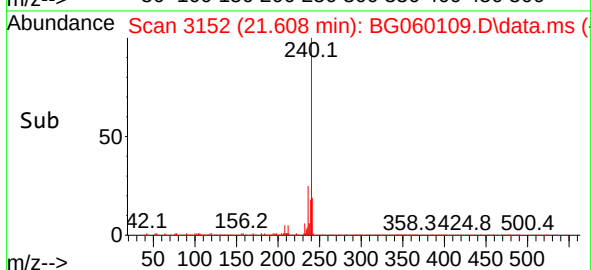
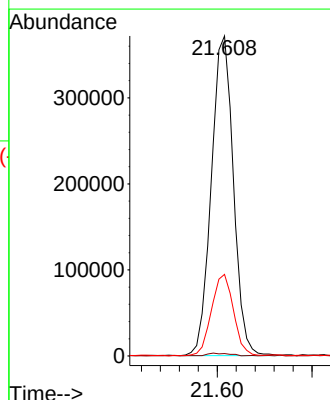
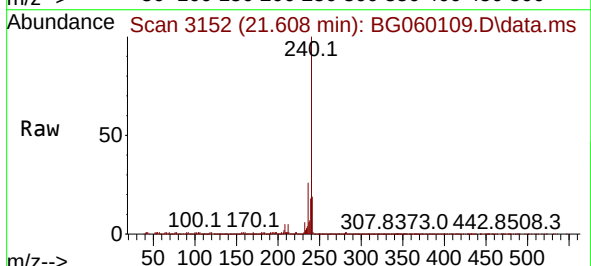
Tgt Ion:240 Resp: 600592

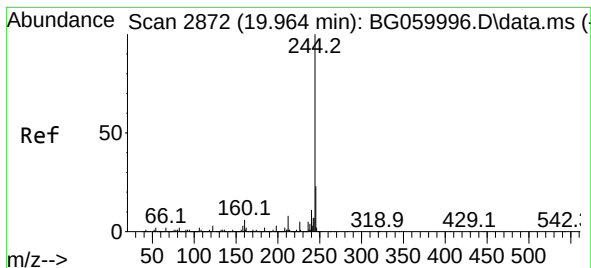
Ion Ratio Lower Upper

240 100

120 0.8 2.9 4.3#

236 25.5 19.4 29.2





#79

Terphenyl-d14

Concen: 21.889 ng

RT: 19.957 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG060109.D

Acq: 20 Dec 2023 21:54

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

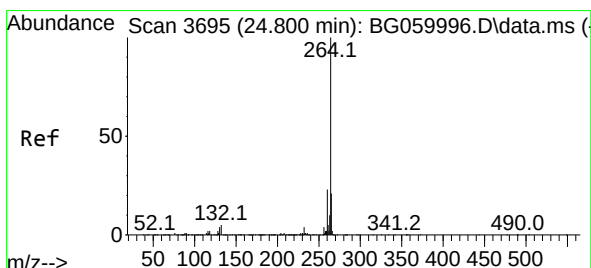
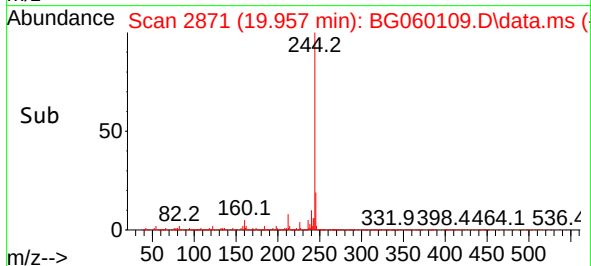
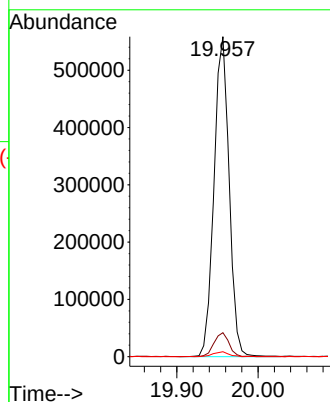
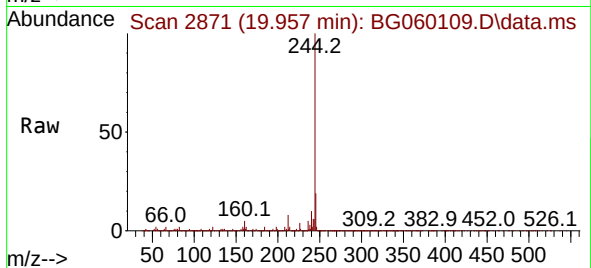
Tgt Ion:244 Resp: 720054

Ion Ratio Lower Upper

244 100

212 7.5 6.8 10.2

122 1.6 2.6 3.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 3695

Delta R.T. -0.017 min

Lab File: BG060109.D

Acq: 20 Dec 2023 21:54

Tgt Ion:264 Resp: 703886

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.9 17.3 25.9

