

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060039.D
 Acq On : 15 Dec 2023 17:11
 Operator : MA/JU
 Sample : 05829-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12

Quant Time: Dec 16 02:03:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

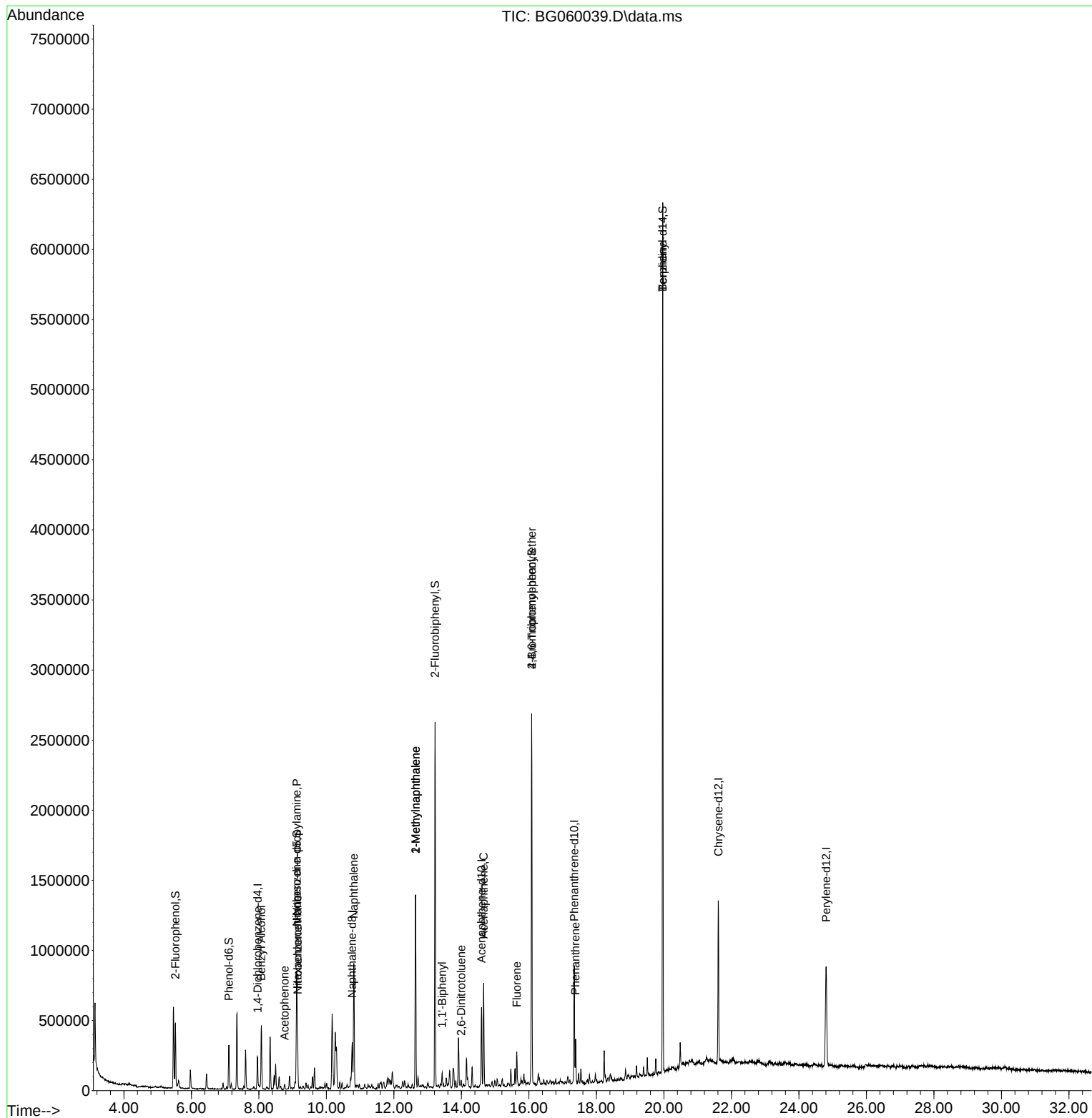
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.961	152	67081	20.000	ng	0.00
21) Naphthalene-d8	10.764	136	248809	20.000	ng	0.00
39) Acenaphthene-d10	14.595	164	194884	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	600914	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	747953	20.000	ng	0.00
86) Perylene-d12	24.806	264	867786	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	176326	44.997	ng	0.00
7) Phenol-d6	7.109	99	150063	27.224	ng	0.00
23) Nitrobenzene-d5	9.119	82	455193	83.074	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	617402	135.941	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	1414931	88.859	ng	0.00
79) Terphenyl-d14	19.965	244	3321209	81.069	ng	0.00
Target Compounds						
						Qvalue
15) Benzyl Alcohol	8.073	79	25232	5.695	ng	# 12
18) Hexachloroethane	9.142	117	162242	103.649	ng	# 1
19) n-Nitroso-di-n-propyla...	9.119	70	62618	17.608	ng	# 80
22) Acetophenone	8.760	105	22565	3.112	ng	# 60
24) Nitrobenzene	9.148	77	13087	2.353	ng	# 7
31) Naphthalene	10.811	128	644303	49.744	ng	100
37) 2-Methylnaphthalene	12.644	142	611338	60.178	ng	96
38) 1-Methylnaphthalene	12.644	142	611338	60.921	ng	95
46) 1,1'-Biphenyl	13.431	154	51896	3.591	ng	97
51) 2,6-Dinitrotoluene	13.995	165	6388	2.039	ng	# 56
52) Acenaphthene	14.659	154	280634	23.811	ng	94
58) Fluorene	15.641	166	116016	7.172	ng	92
67) 4-Bromophenyl-phenylether	16.081	248	39153	4.618	ng	# 1
69) Atrazine	16.786	200	353	Below Cal		# 1
71) Phenanthrene	17.380	178	221691	7.617	ng	99
77) Benzidine	19.965	184	48467	5.045	ng	# 88

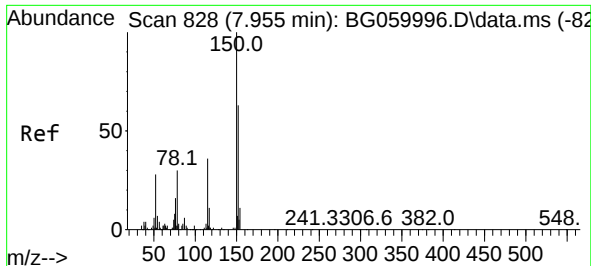
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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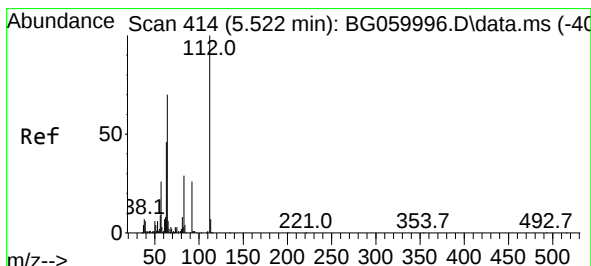
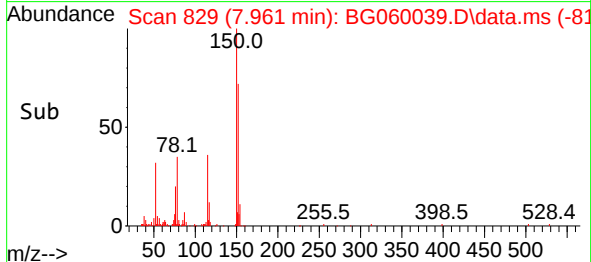
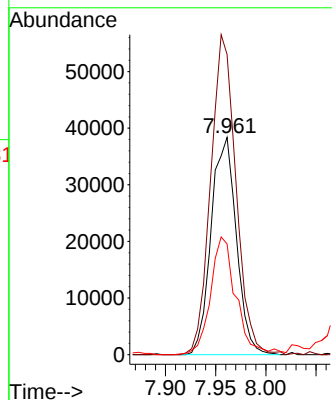
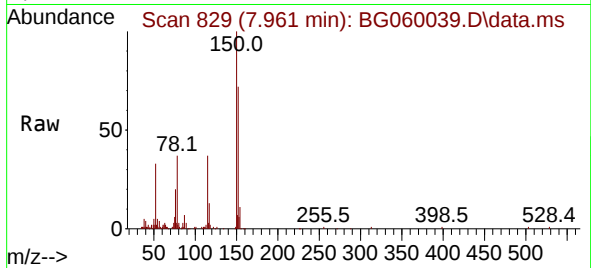




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.961 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

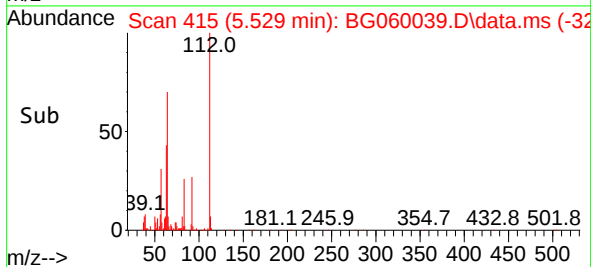
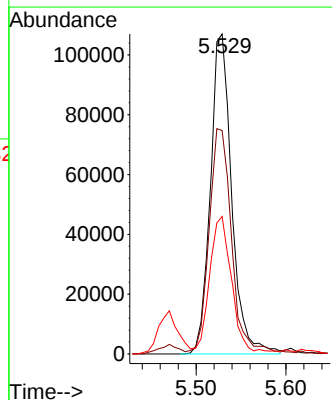
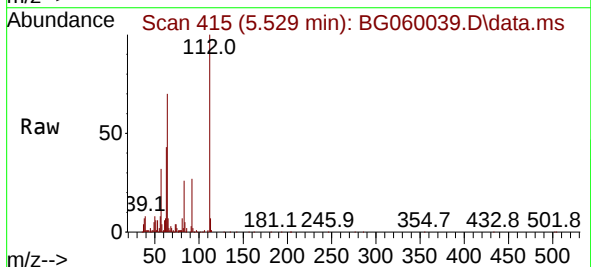
Instrument :
BNA_G
ClientSampleId :
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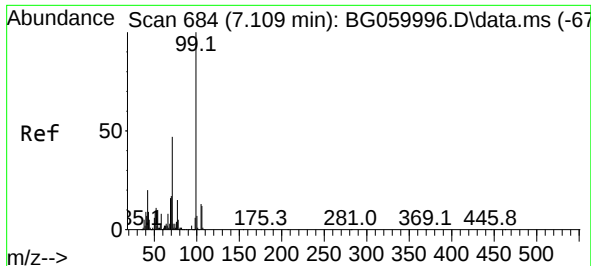
Tgt Ion:152 Resp: 67081
Ion Ratio Lower Upper
152 100
150 138.2 127.0 190.6
115 51.0 45.7 68.5



#5
2-Fluorophenol
Concen: 44.997 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.007 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:112 Resp: 176326
Ion Ratio Lower Upper
112 100
64 69.9 55.9 83.9
63 43.0 36.5 54.7

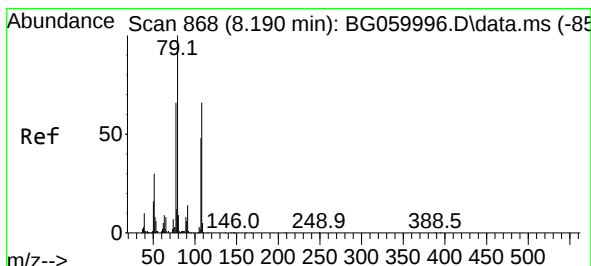
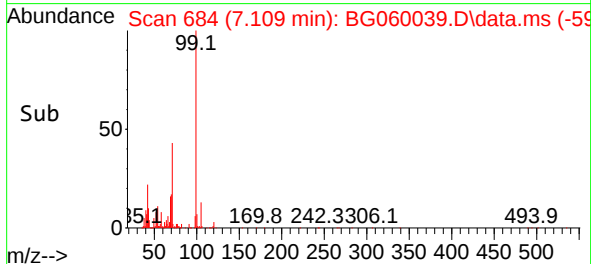
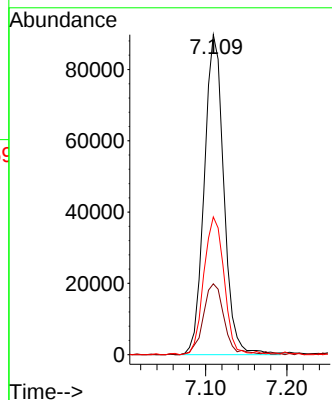
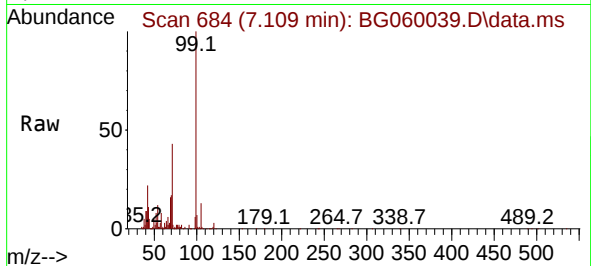




#7
Phenol-d6
Concen: 27.224 ng
RT: 7.109 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

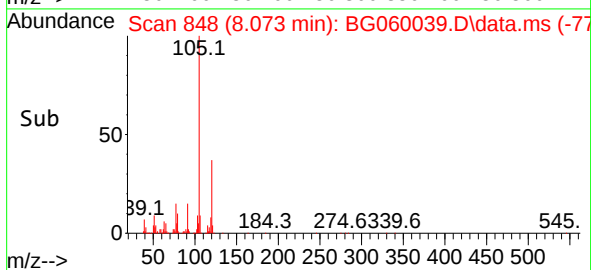
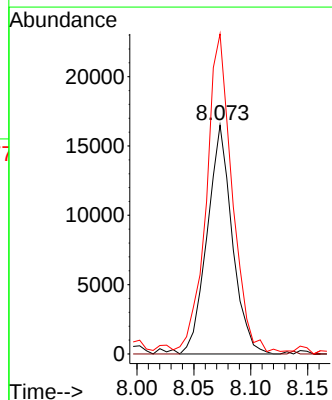
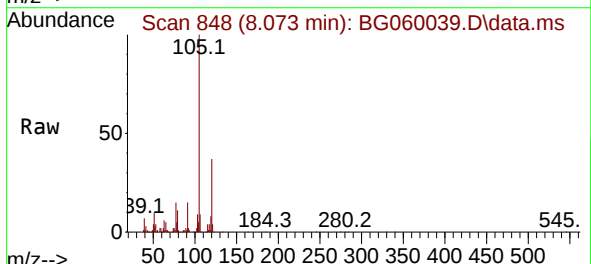
Instrument :
BNA_G
ClientSampleId :
MW-12

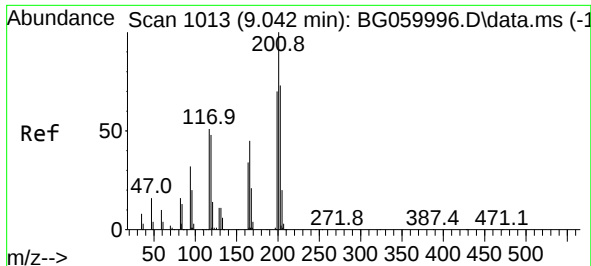
Tgt Ion: 99 Resp: 150063
Ion Ratio Lower Upper
99 100
42 22.1 16.2 24.4
71 43.1 37.6 56.4



#15
Benzyl Alcohol
Concen: 5.695 ng
RT: 8.073 min Scan# 848
Delta R.T. -0.117 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion: 79 Resp: 25232
Ion Ratio Lower Upper
79 100
108 0.0 53.1 79.7#
77 139.8 52.8 79.2#

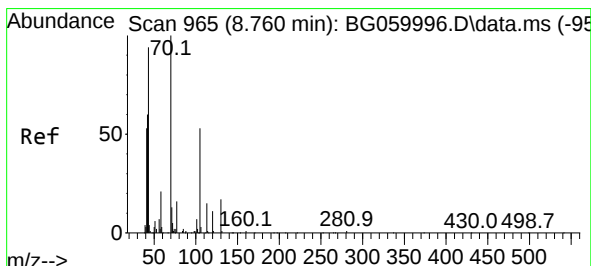
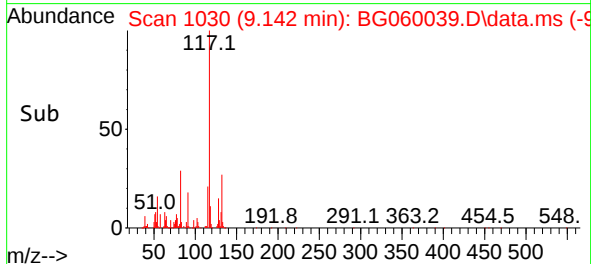
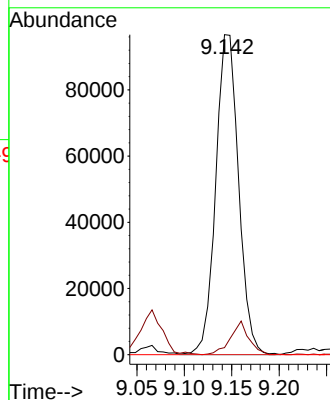
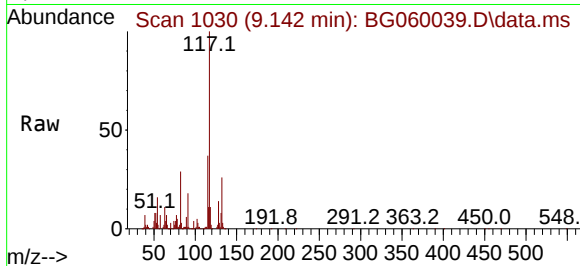




#18
Hexachloroethane
Concen: 103.649 ng
RT: 9.142 min Scan# 1030
Delta R.T. 0.101 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

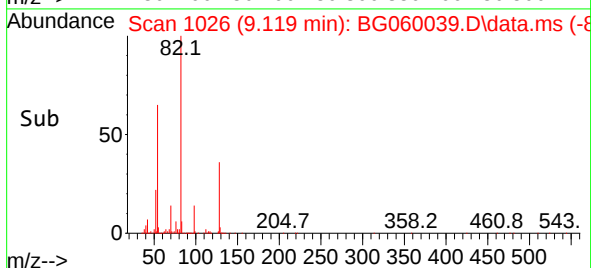
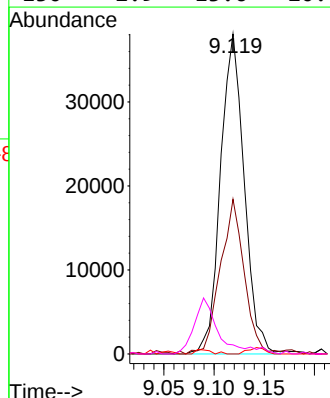
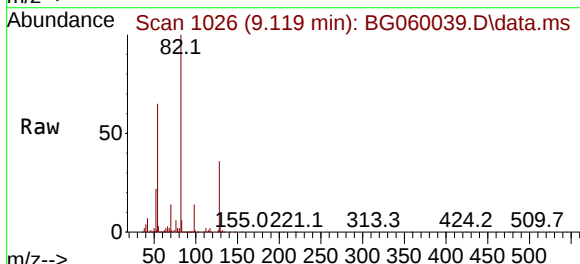
Instrument :
BNA_G
ClientSampleId :
MW-12

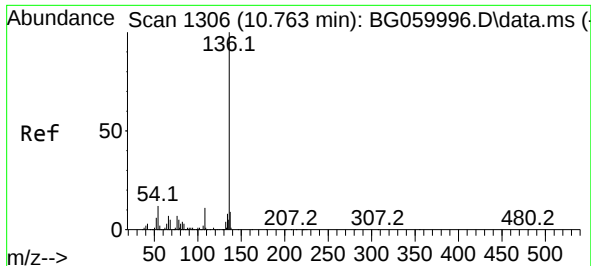
Tgt Ion:117 Resp: 162242
Ion Ratio Lower Upper
117 100
119 2.2 74.5 111.7#
201 0.0 156.5 234.7#



#19
n-Nitroso-di-n-propylamine
Concen: 17.608 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.359 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion: 70 Resp: 62618
Ion Ratio Lower Upper
70 100
42 48.4 48.6 73.0#
101 0.0 5.7 8.5#
130 2.9 13.6 20.4#

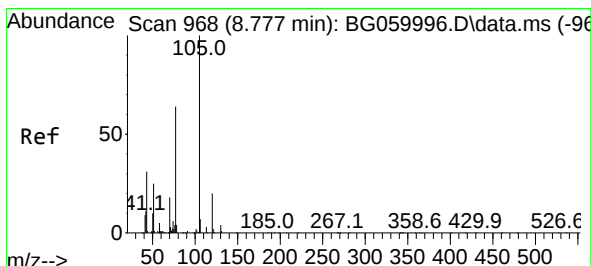
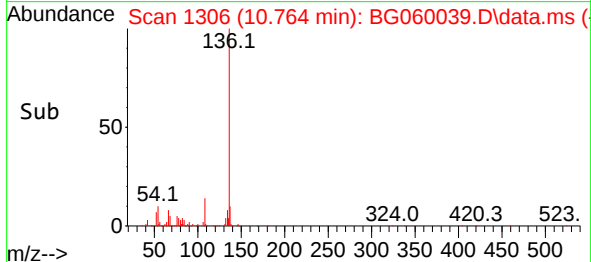
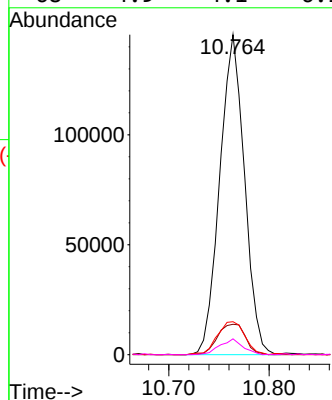
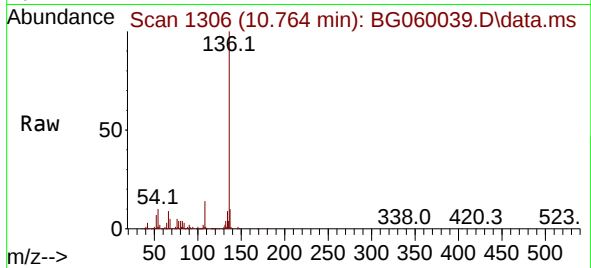




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

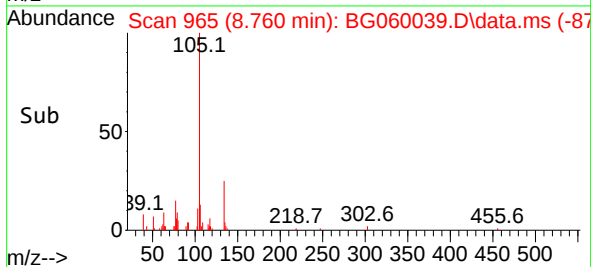
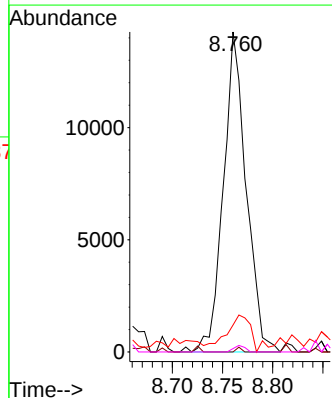
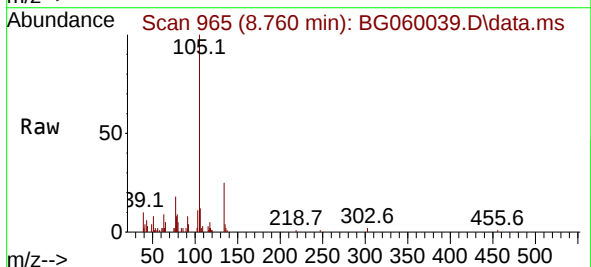
Instrument :
BNA_G
ClientSampleId :
MW-12

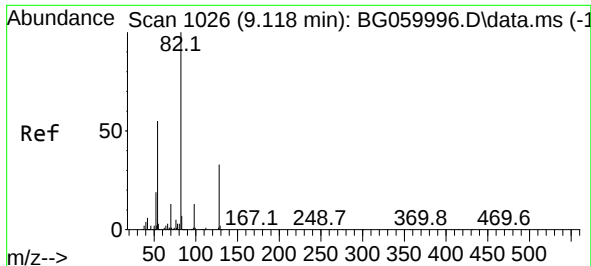
Tgt Ion:	136	Resp:	248809
Ion	Ratio	Lower	Upper
136	100		
137	9.5	7.3	10.9
54	10.3	9.6	14.4
68	4.9	4.1	6.1



#22
Acetophenone
Concen: 3.112 ng
RT: 8.760 min Scan# 965
Delta R.T. -0.017 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:	105	Resp:	22565
Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.1	3.1#
51	8.4	25.4	38.0#
120	1.1	16.0	24.0#

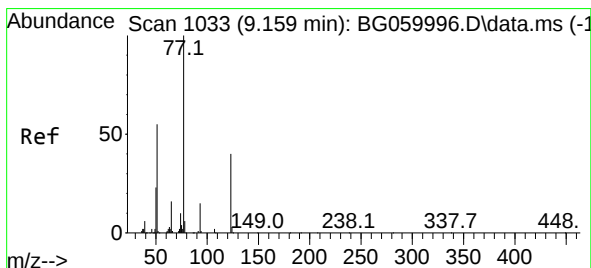
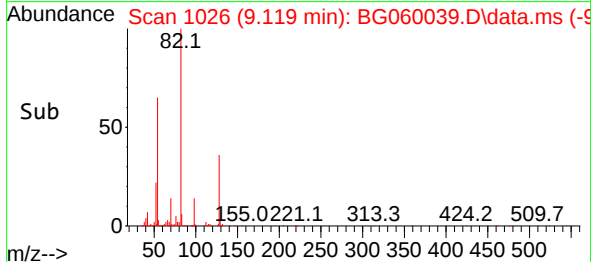
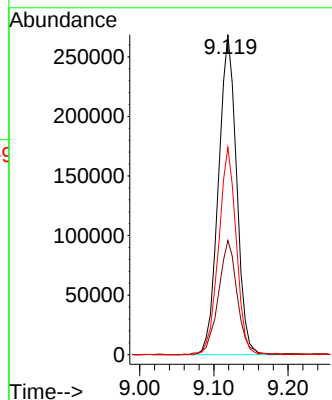
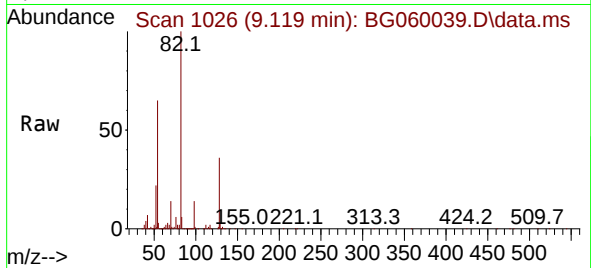




#23
Nitrobenzene-d5
Concen: 83.074 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

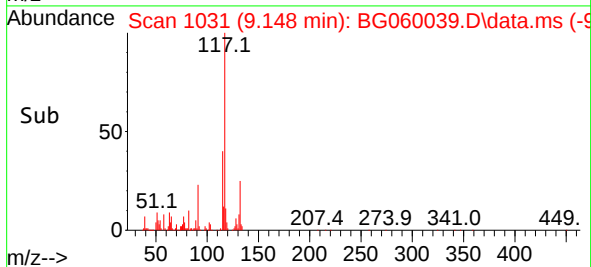
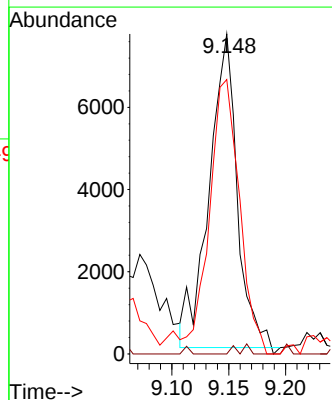
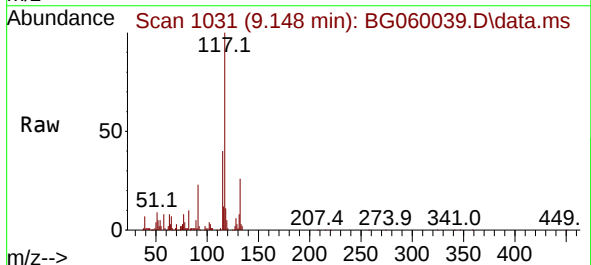
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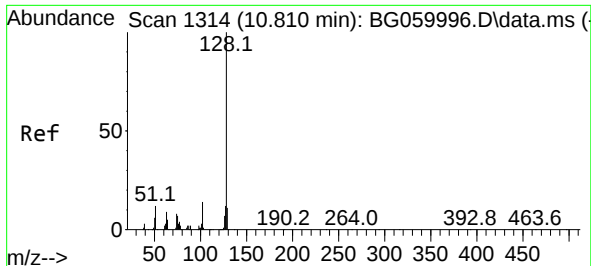
Tgt Ion: 82 Resp: 455193
Ion Ratio Lower Upper
82 100
128 35.7 26.3 39.5
54 64.7 44.3 66.5



#24
Nitrobenzene
Concen: 2.353 ng
RT: 9.148 min Scan# 1031
Delta R.T. -0.011 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion: 77 Resp: 13087
Ion Ratio Lower Upper
77 100
123 0.0 32.1 48.1#
65 85.7 13.0 19.4#

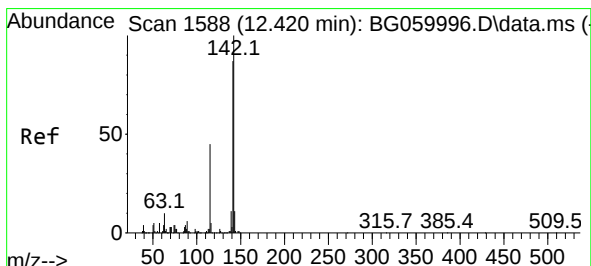
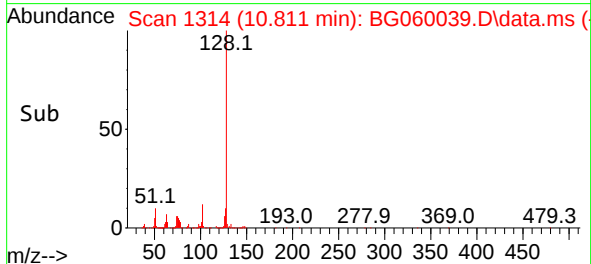
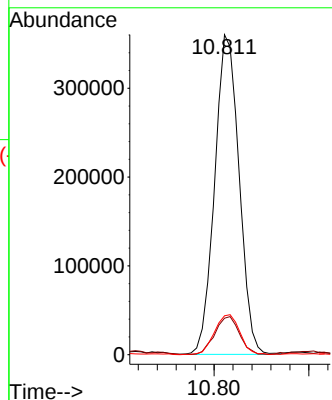
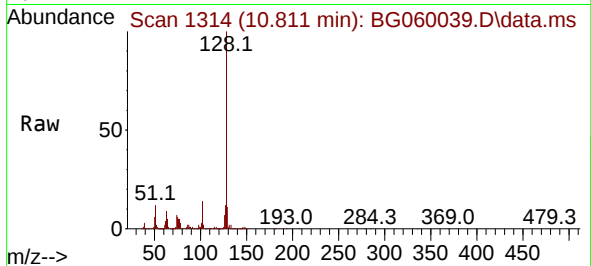




#31
Naphthalene
Concen: 49.744 ng
RT: 10.811 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

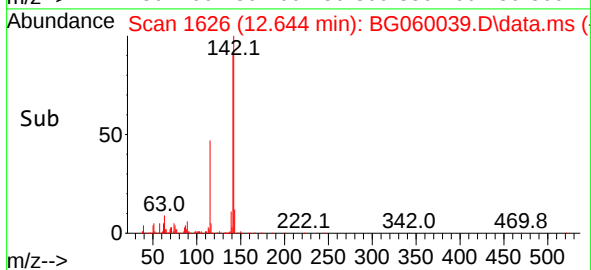
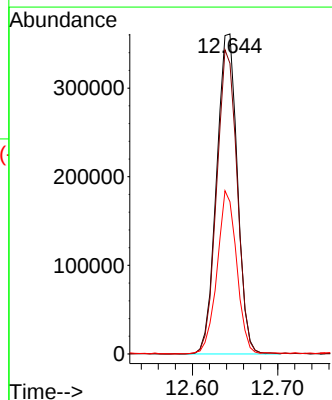
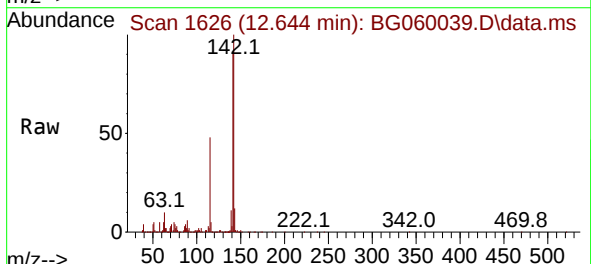
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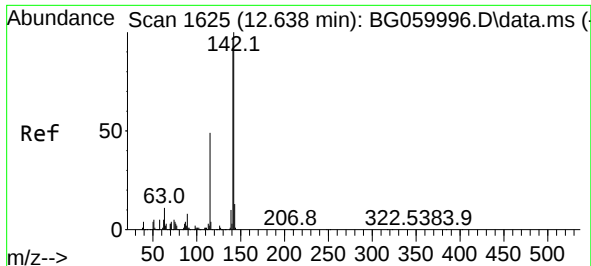
Tgt Ion:128 Resp: 644303
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 12.2 9.7 14.5



#37
2-Methylnaphthalene
Concen: 60.178 ng
RT: 12.644 min Scan# 1626
Delta R.T. 0.224 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:142 Resp: 611338
Ion Ratio Lower Upper
142 100
141 90.8 69.9 104.9
115 47.6 36.1 54.1

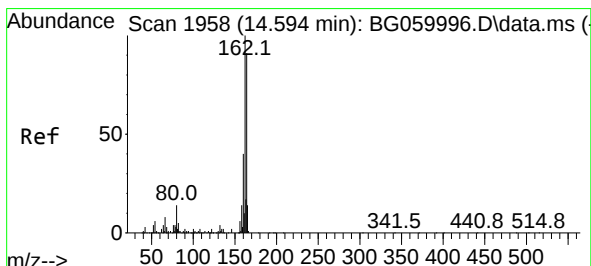
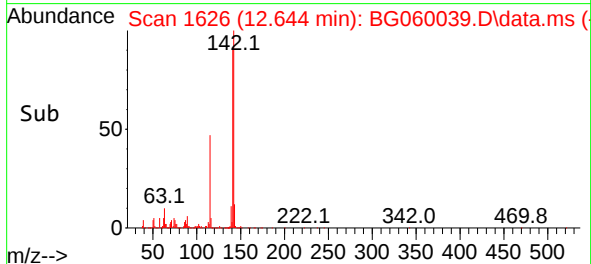
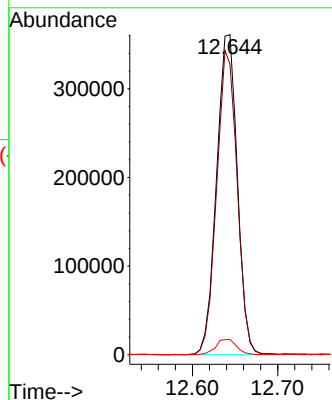
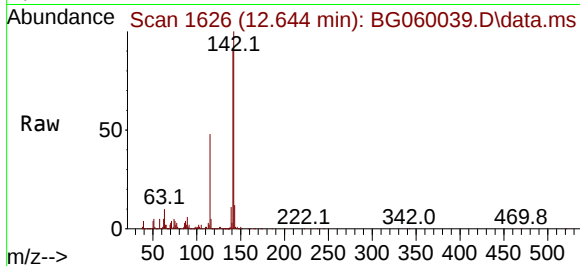




#38
1-Methylnaphthalene
Concen: 60.921 ng
RT: 12.644 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

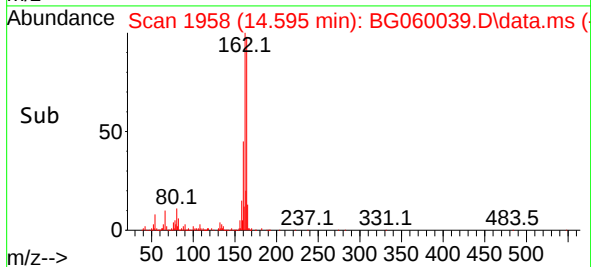
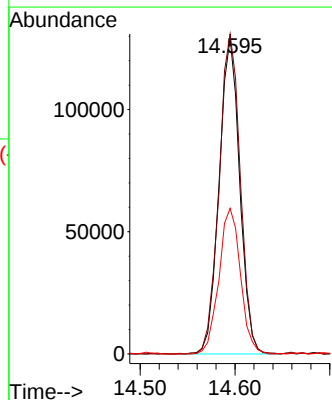
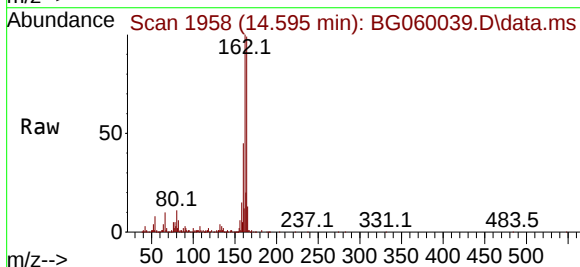
Instrument :
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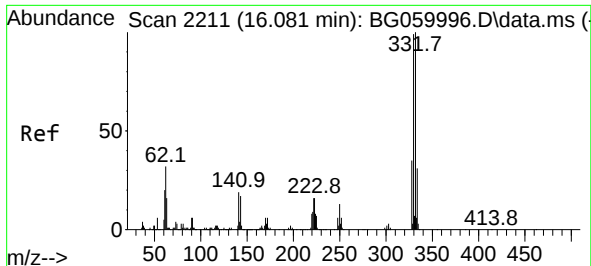
Tgt Ion:142 Resp: 611338
Ion Ratio Lower Upper
142 100
141 90.8 76.9 115.3
116 4.8 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:164 Resp: 194884
Ion Ratio Lower Upper
164 100
162 101.2 88.1 132.1
160 46.1 35.4 53.0

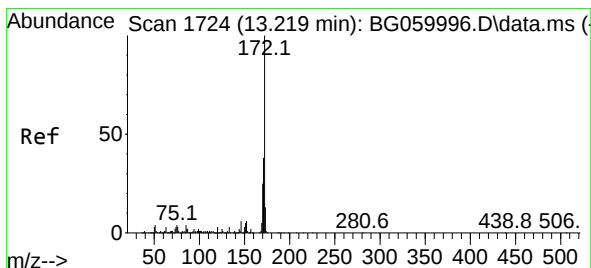
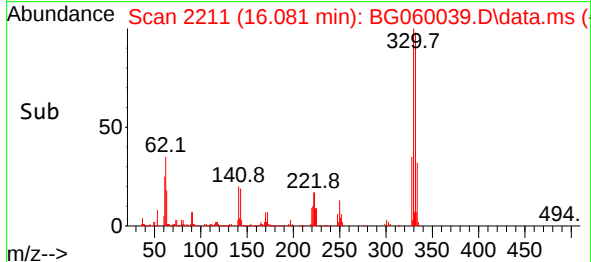
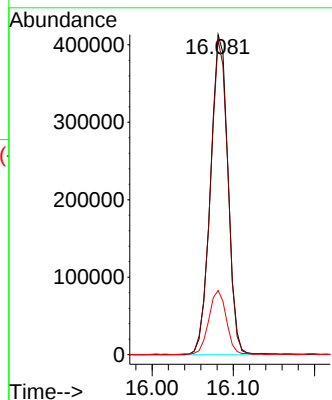
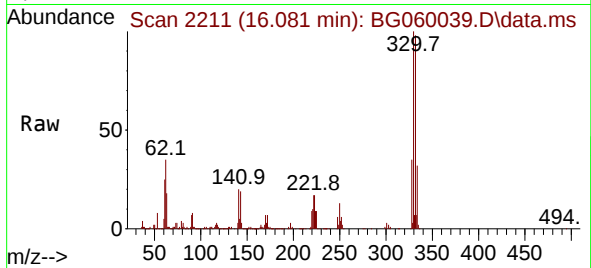




#42
2,4,6-Tribromophenol
Concen: 135.941 ng
RT: 16.081 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

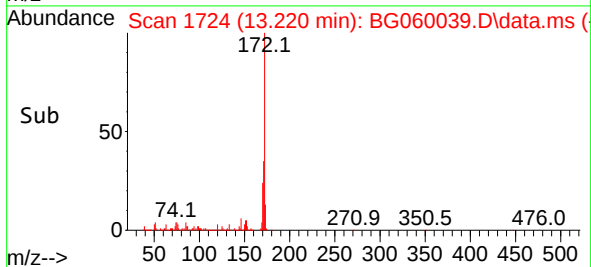
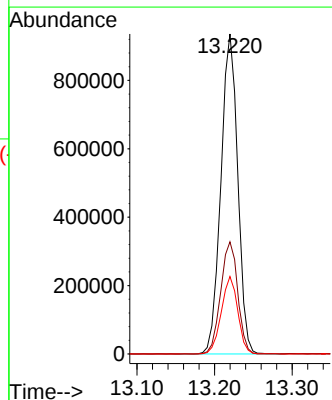
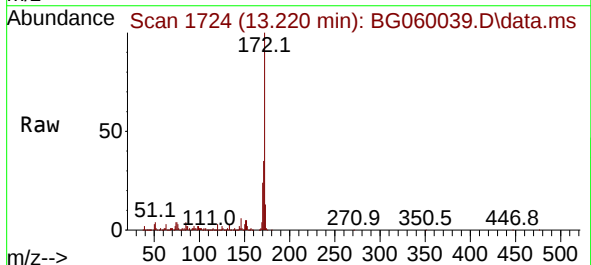
Instrument :
BNA_G
ClientSampleId :
MW-12

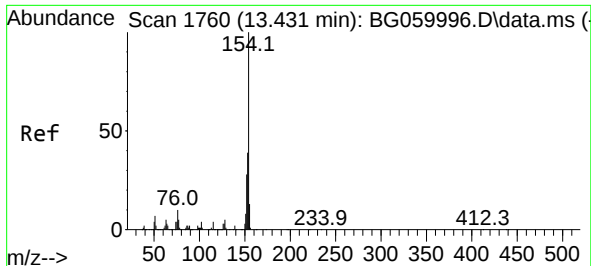
Tgt Ion:330 Resp: 617402
Ion Ratio Lower Upper
330 100
332 98.2 76.2 114.4
141 20.1 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 88.859 ng
RT: 13.220 min Scan# 1724
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:172 Resp: 1414931
Ion Ratio Lower Upper
172 100
171 35.0 30.1 45.1
170 24.2 20.0 30.0

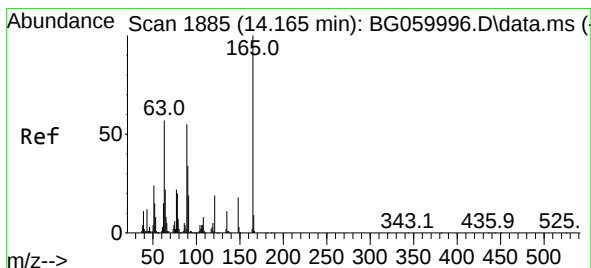
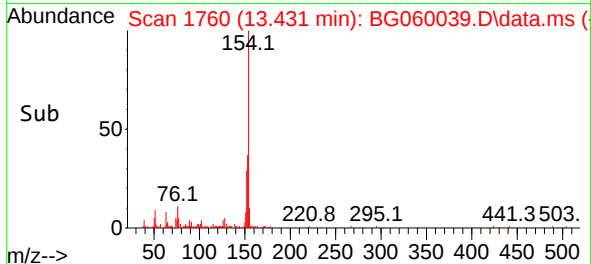
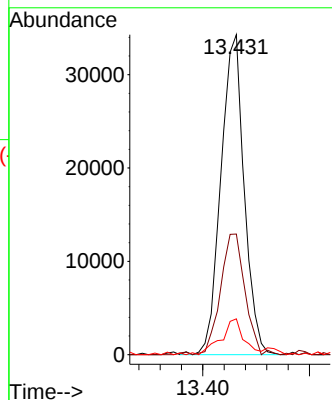
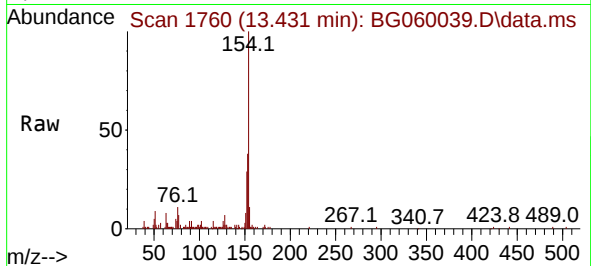




#46
1,1'-Biphenyl
Concen: 3.591 ng
RT: 13.431 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

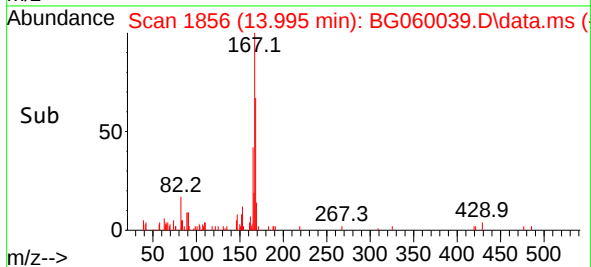
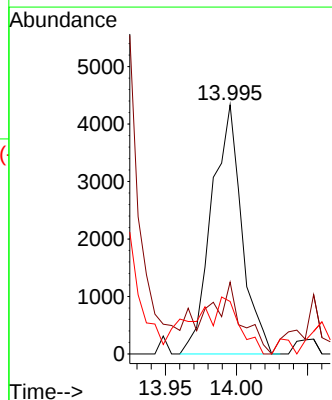
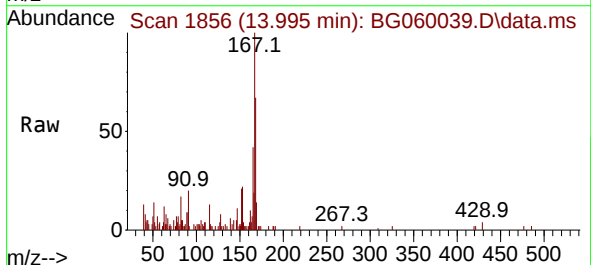
Instrument :
BNA_G
ClientSampleId :
MW-12

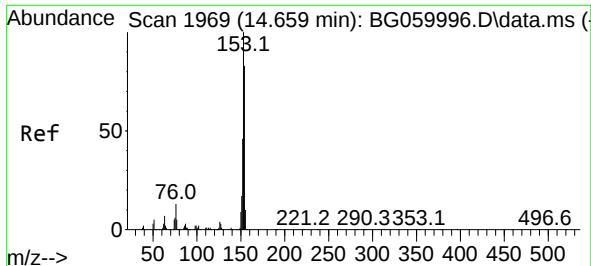
Tgt Ion:154 Resp: 51896
Ion Ratio Lower Upper
154 100
153 37.7 19.2 59.2
76 11.2 0.0 29.9



#51
2,6-Dinitrotoluene
Concen: 2.039 ng
RT: 13.995 min Scan# 1856
Delta R.T. -0.170 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:165 Resp: 6388
Ion Ratio Lower Upper
165 100
63 28.9 48.2 72.2#
89 21.1 44.4 66.6#

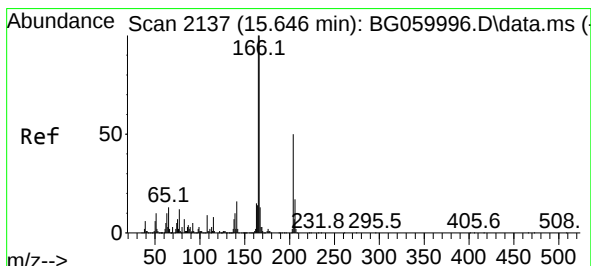
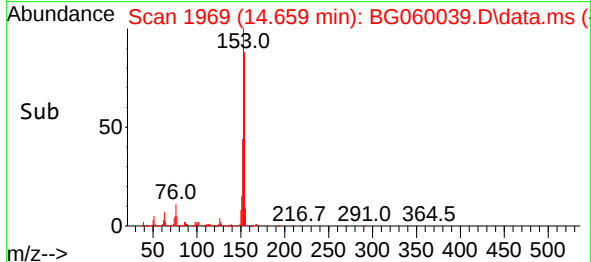
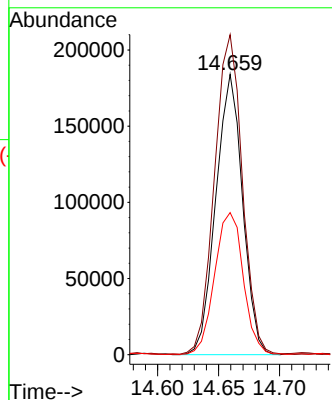
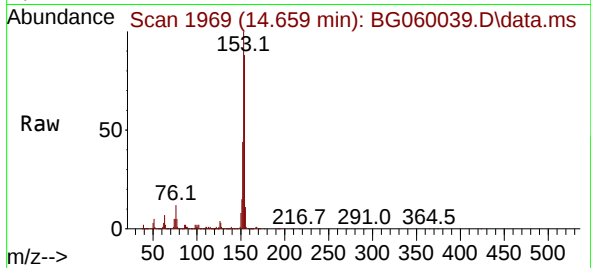




#52
Acenaphthene
Concen: 23.811 ng
RT: 14.659 min Scan# 1969
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

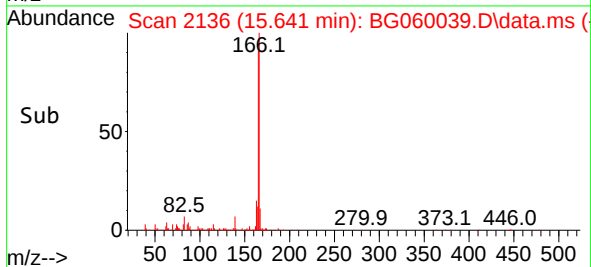
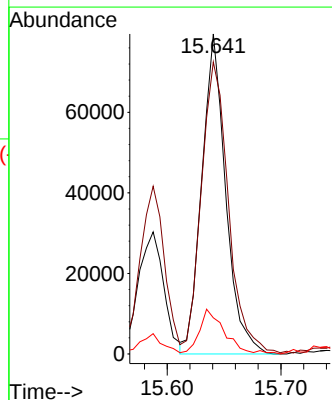
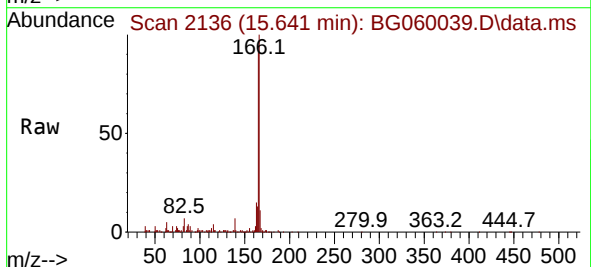
Instrument :
BNA_G
ClientSampleId :
MW-12

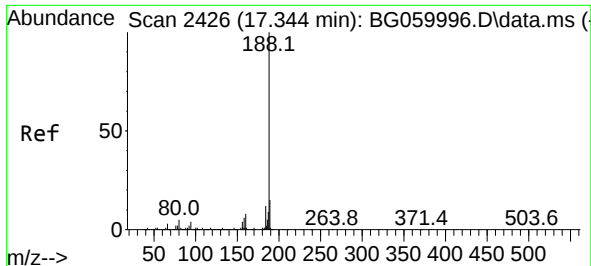
Tgt Ion:154 Resp: 280634
Ion Ratio Lower Upper
154 100
153 114.2 96.0 144.0
152 50.7 44.3 66.5



#58
Fluorene
Concen: 7.172 ng
RT: 15.641 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:166 Resp: 116016
Ion Ratio Lower Upper
166 100
165 91.3 80.2 120.2
167 11.3 10.3 15.5

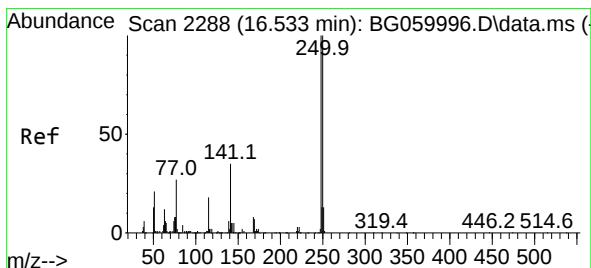
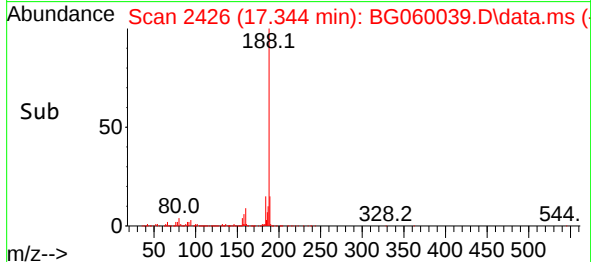
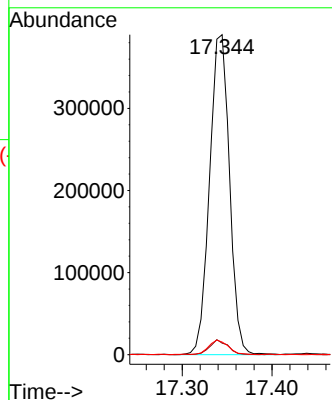
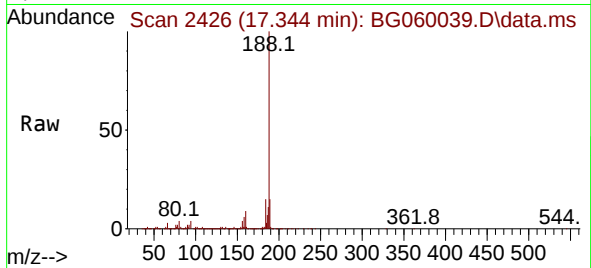




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.344 min Scan# 2426
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

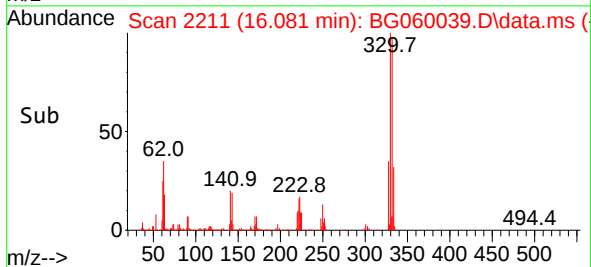
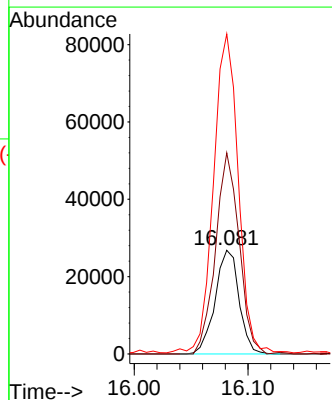
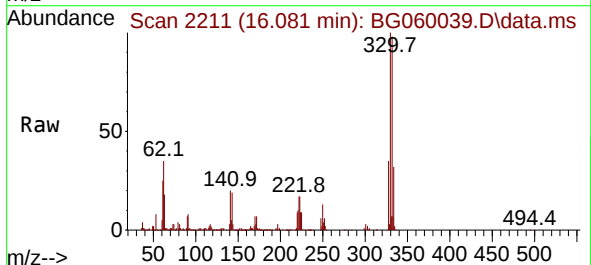
Instrument :
BNA_G
ClientSampleId :
MW-12

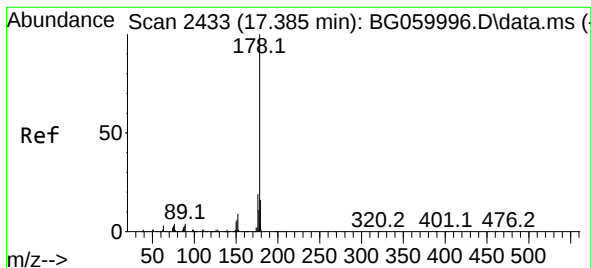
Tgt Ion:188 Resp: 600914
Ion Ratio Lower Upper
188 100
94 3.6 3.0 4.6
80 4.0 4.0 6.0#



#67
4-Bromophenyl-phenylether
Concen: 4.618 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.452 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:248 Resp: 39153
Ion Ratio Lower Upper
248 100
250 194.0 79.9 119.9#
141 308.7 28.3 42.5#





#71

Phenanthrene

Concen: 7.617 ng

RT: 17.380 min Scan# 2433

Delta R.T. -0.005 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

Instrument :

BNA_G

ClientSampleId :

MW-12

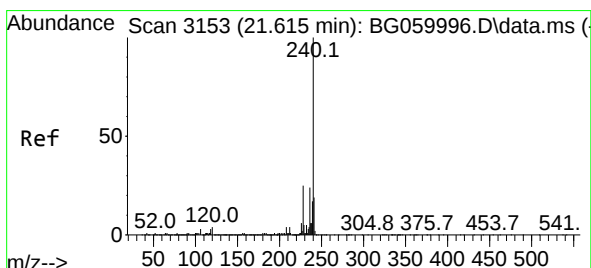
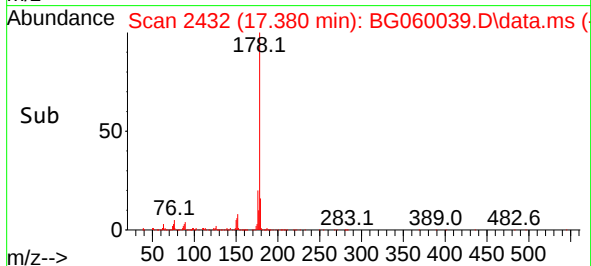
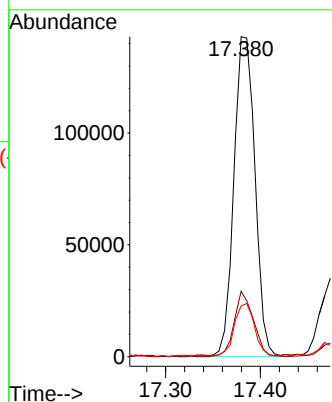
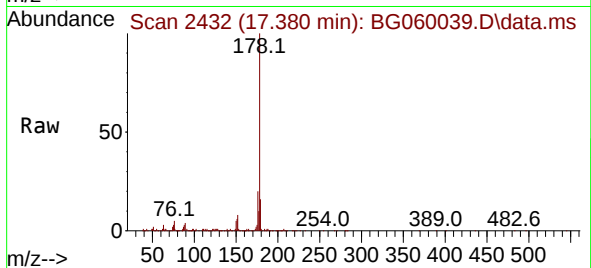
Tgt Ion:178 Resp: 221691

Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

179 15.9 12.6 19.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3152

Delta R.T. -0.005 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

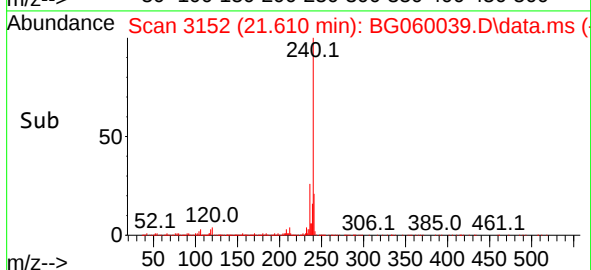
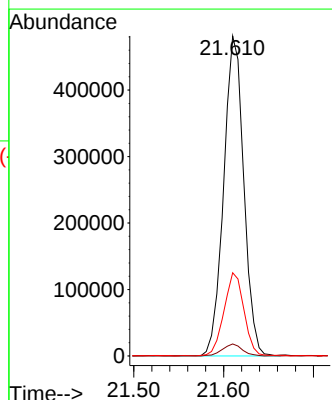
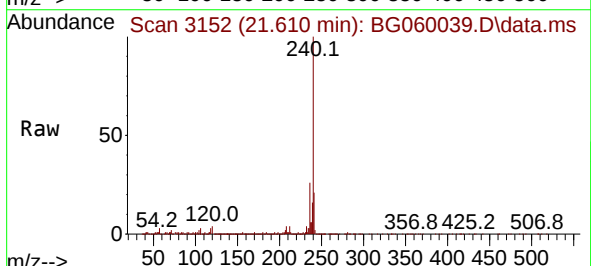
Tgt Ion:240 Resp: 747953

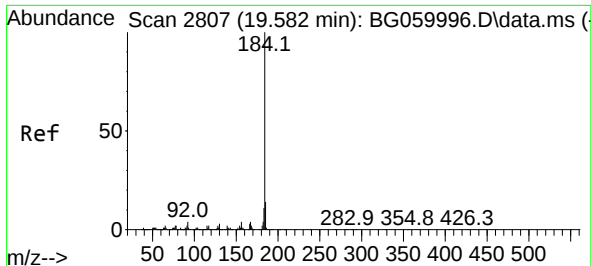
Ion Ratio Lower Upper

240 100

120 3.8 2.9 4.3

236 26.0 19.4 29.2

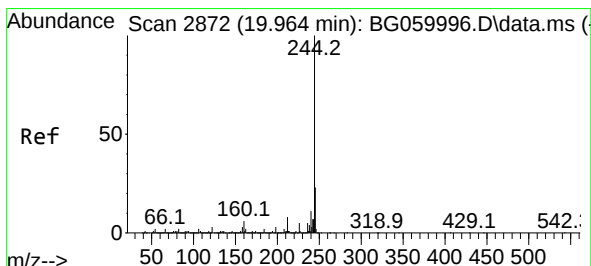
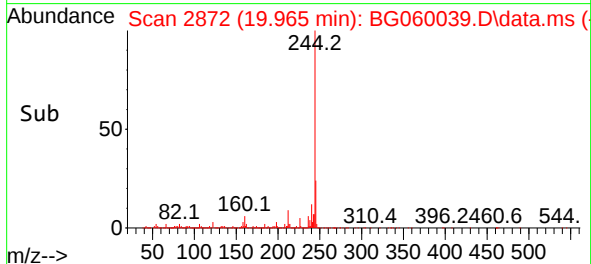
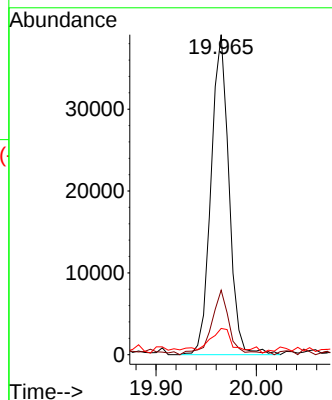
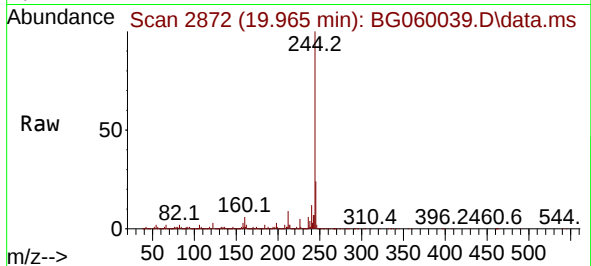




#77
Benzidine
Concen: 5.045 ng
RT: 19.965 min Scan# 2807
Delta R.T. 0.383 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

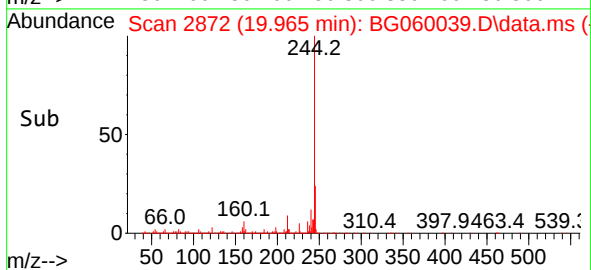
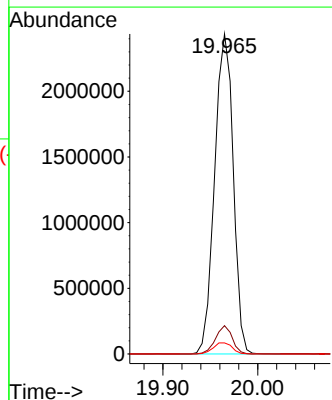
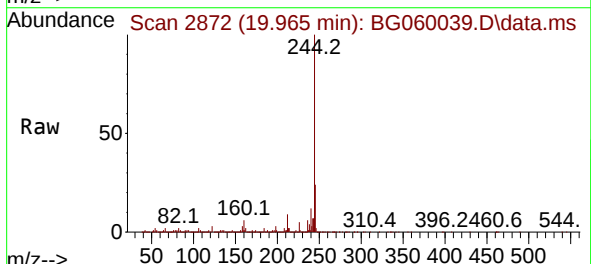
Instrument :
BNA_G
ClientSampleId :
MW-12

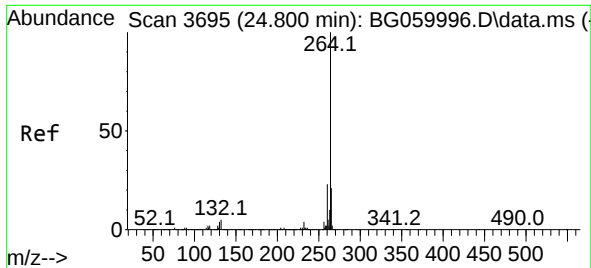
Tgt Ion:184 Resp: 48467
Ion Ratio Lower Upper
184 100
185 20.1 11.1 16.7#
183 8.2 9.0 13.4#



#79
Terphenyl-d14
Concen: 81.069 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:244 Resp: 3321209
Ion Ratio Lower Upper
244 100
212 8.8 6.8 10.2
122 3.5 2.6 3.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.806 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:264 Resp: 867786

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	20.0	17.3	25.9

