

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060055.D
 Acq On : 16 Dec 2023 4:41
 Operator : MA/JU
 Sample : 05829-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-8

Quant Time: Dec 18 00:10:02 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)

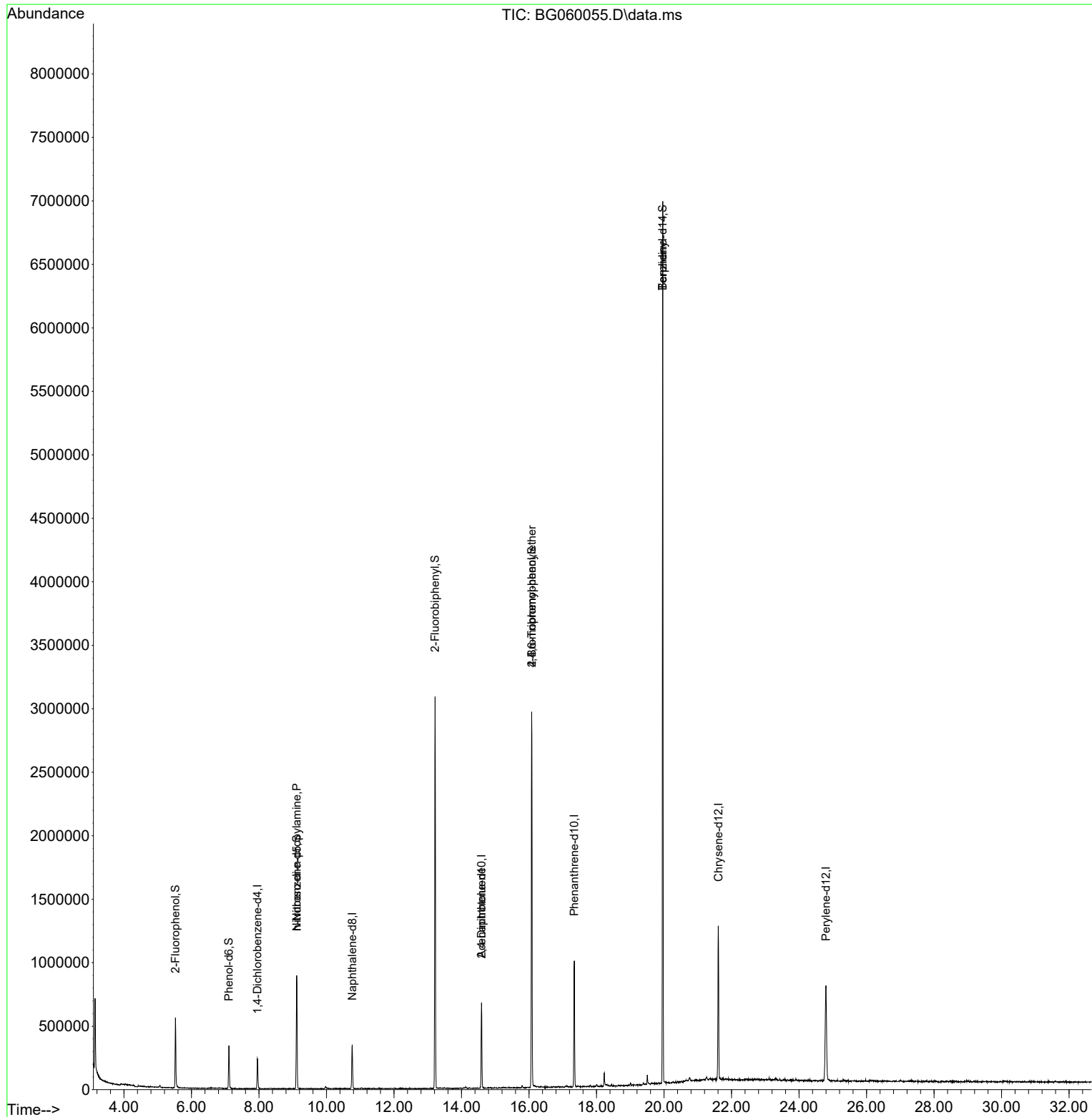
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	65872	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	272000	20.000	ng	# 0.00
39) Acenaphthene-d10	14.591	164	237598	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	686000	20.000	ng	# 0.00
76) Chrysene-d12	21.607	240	791540	20.000	ng	0.00
86) Perylene-d12	24.797	264	911877	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	219000	56.913	ng	0.00
7) Phenol-d6	7.106	99	176338	32.578	ng	0.00
23) Nitrobenzene-d5	9.115	82	521330	87.032	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	716708	129.437	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1646467	84.812	ng	0.00
79) Terphenyl-d14	19.962	244	3602198	83.086	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.115	70	70271	20.122	ng	# 78
57) 2,4-Dinitrotoluene	14.591	165	31106	5.792	ng	# 28
67) 4-Bromophenyl-phenylether	16.078	248	45167	4.667	ng	# 1
69) Atrazine	16.812	200	203	Below Cal		# 18
77) Benzydine	19.962	184	59193	5.822	ng	# 88

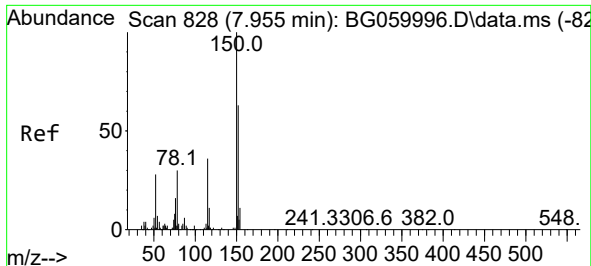
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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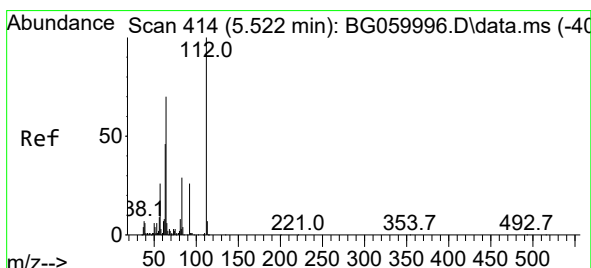
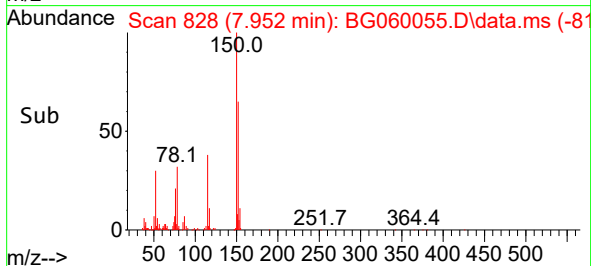
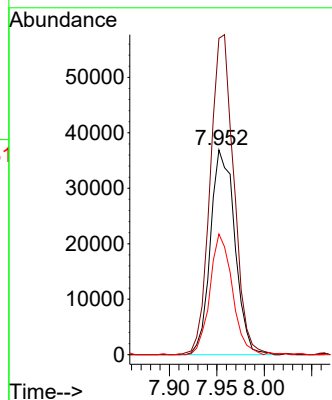
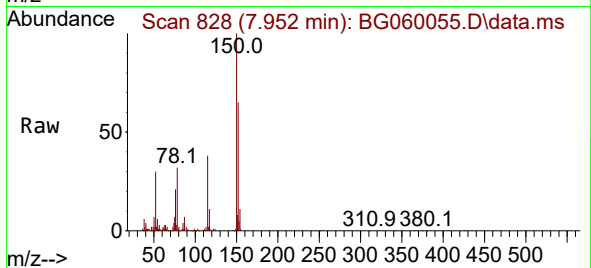




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

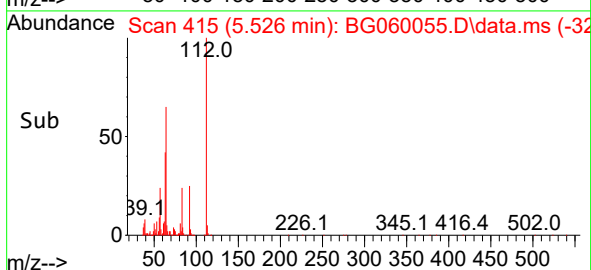
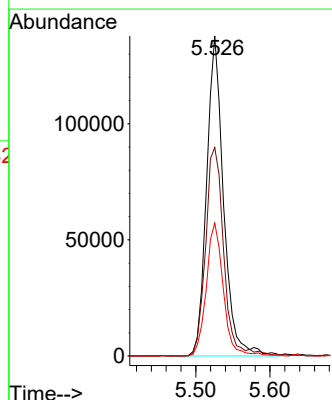
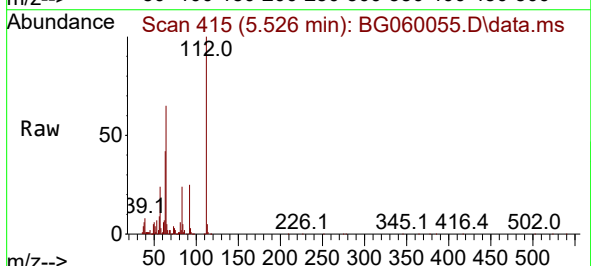
Instrument :
BNA_G
ClientSampleId :
MW-8

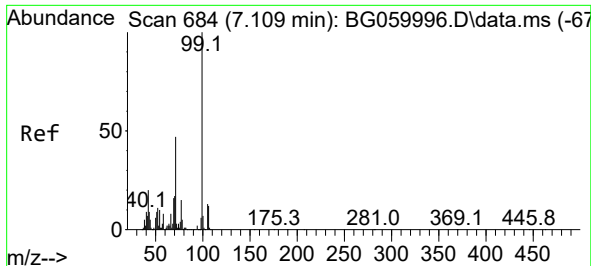
Tgt Ion:152 Resp: 65872
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 58.9 45.7 68.5



#5
2-Fluorophenol
Concen: 56.913 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

Tgt Ion:112 Resp: 219000
Ion Ratio Lower Upper
112 100
64 65.2 55.9 83.9
63 41.6 36.5 54.7

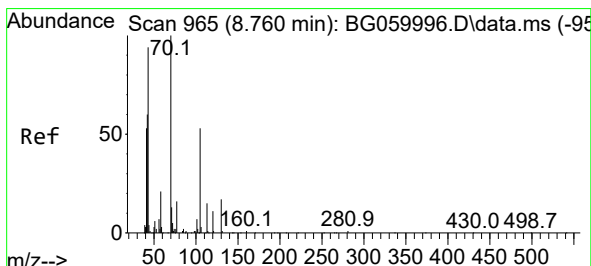
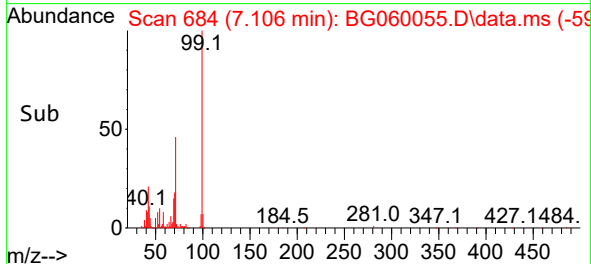
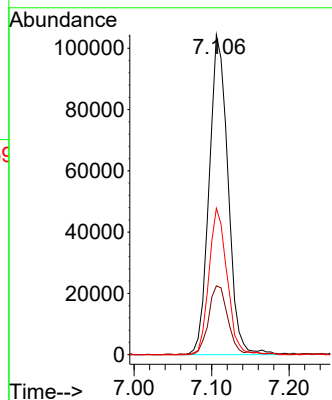
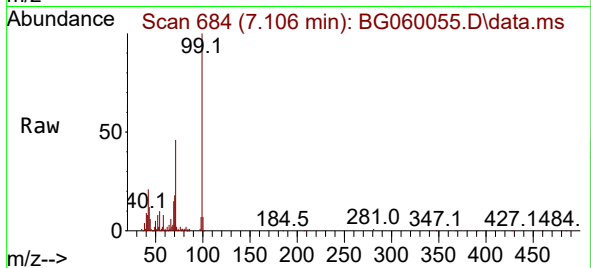




#7
Phenol-d6
Concen: 32.578 ng
RT: 7.106 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

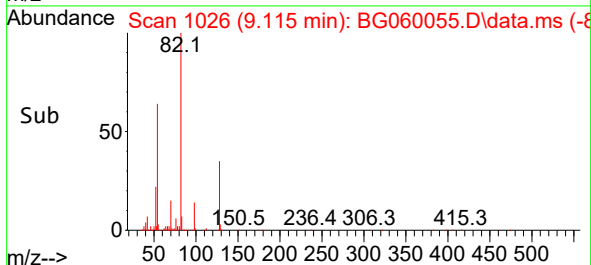
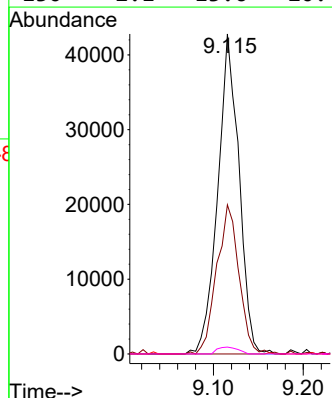
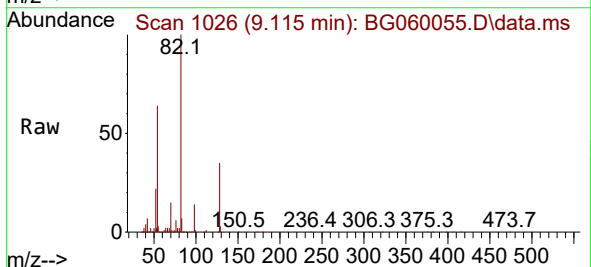
Instrument :
BNA_G
ClientSampleId :
MW-8

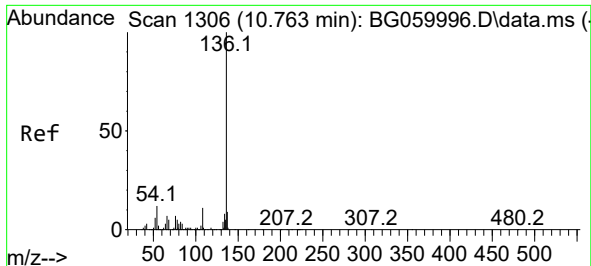
Tgt Ion: 99 Resp: 176338
Ion Ratio Lower Upper
99 100
42 21.5 16.2 24.4
71 45.7 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 20.122 ng
RT: 9.115 min Scan# 1026
Delta R.T. 0.356 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

Tgt Ion: 70 Resp: 70271
Ion Ratio Lower Upper
70 100
42 46.6 48.6 73.0#
101 0.0 5.7 8.5#
130 2.1 13.6 20.4#

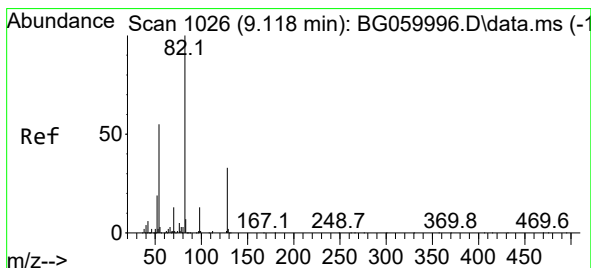
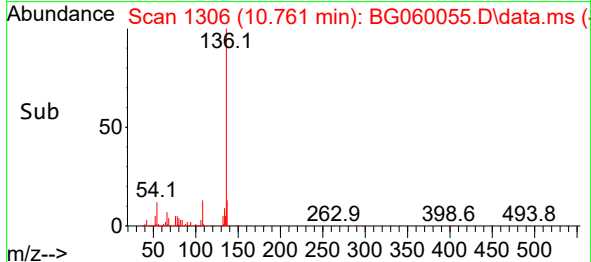
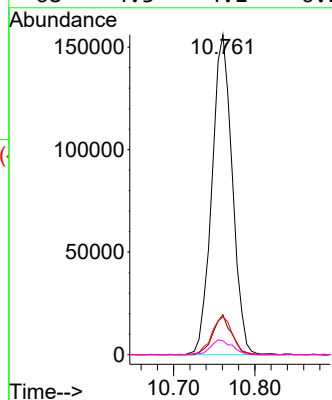
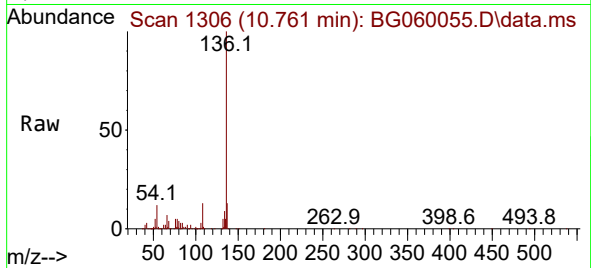




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.003 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

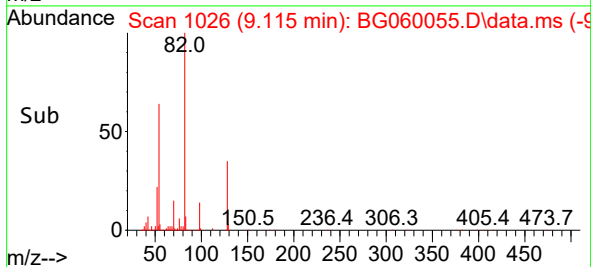
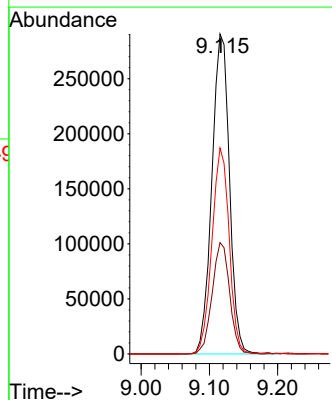
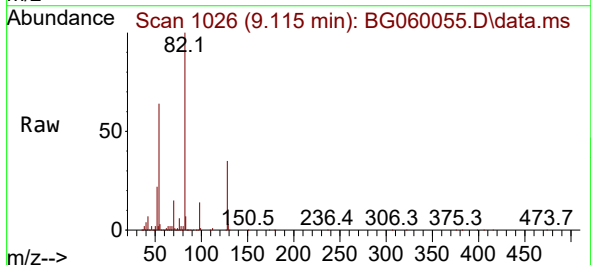
Instrument :
BNA_G
ClientSampleId :
MW-8

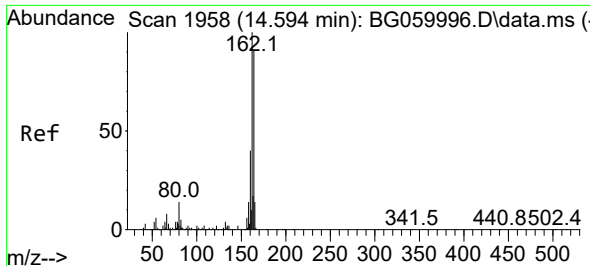
Tgt Ion:136 Resp: 272000
Ion Ratio Lower Upper
136 100
137 12.5 7.3 10.9#
54 11.8 9.6 14.4
68 4.3 4.1 6.1



#23
Nitrobenzene-d5
Concen: 87.032 ng
RT: 9.115 min Scan# 1026
Delta R.T. -0.003 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

Tgt Ion: 82 Resp: 521330
Ion Ratio Lower Upper
82 100
128 34.8 26.3 39.5
54 64.4 44.3 66.5

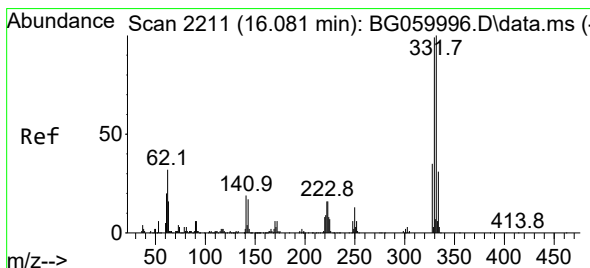
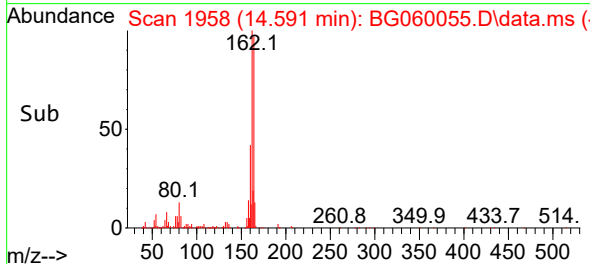
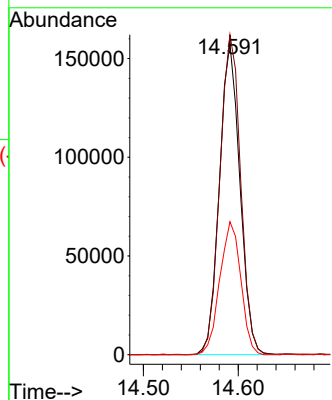
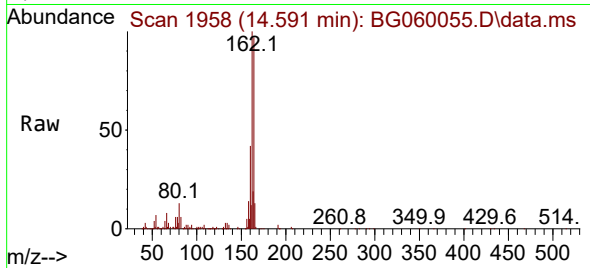




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

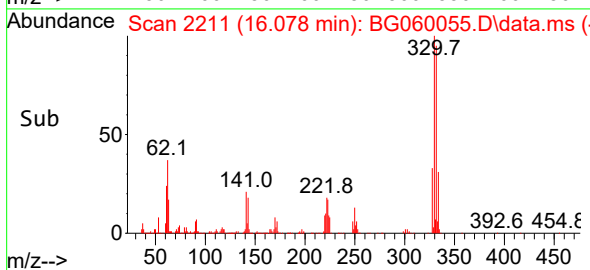
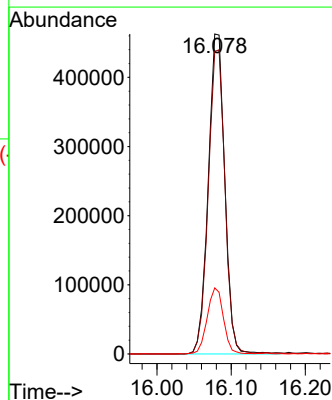
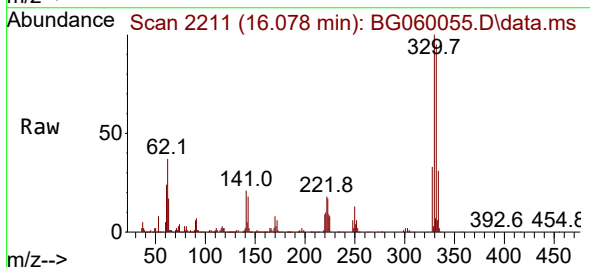
Instrument :
BNA_G
ClientSampleId :
MW-8

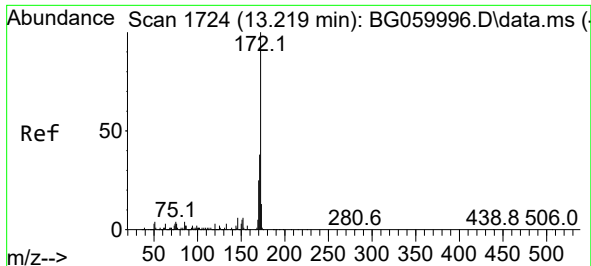
Tgt Ion:164 Resp: 237598
Ion Ratio Lower Upper
164 100
162 102.9 88.1 132.1
160 42.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 129.437 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.003 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

Tgt Ion:330 Resp: 716708
Ion Ratio Lower Upper
330 100
332 95.3 76.2 114.4
141 20.3 14.3 21.5

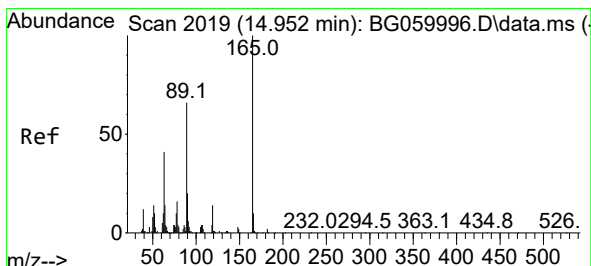
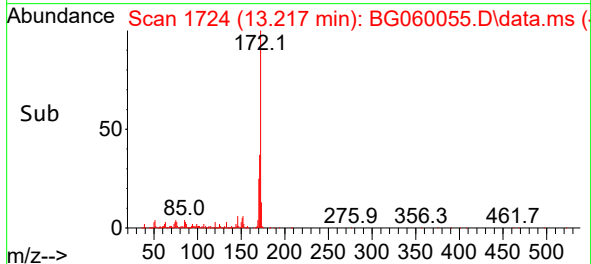
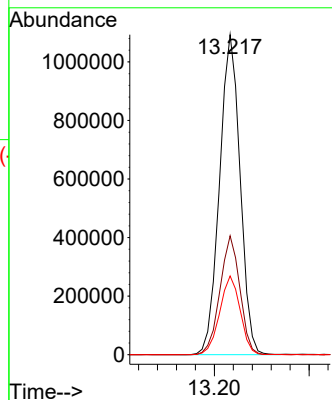
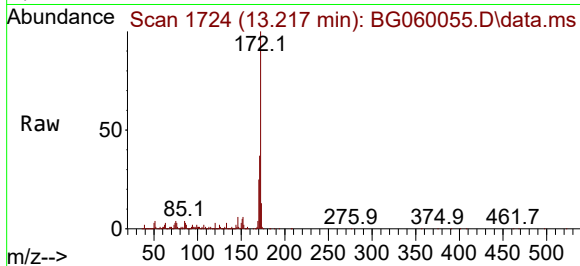




#45
2-Fluorobiphenyl
Concen: 84.812 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

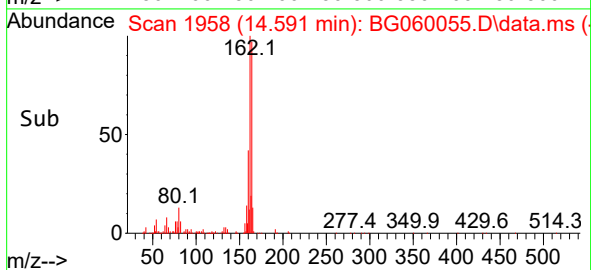
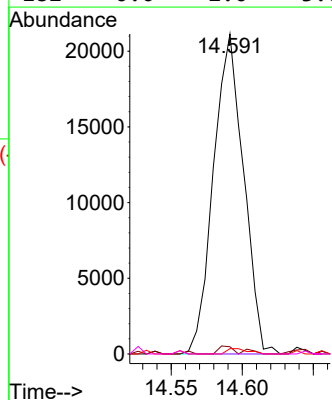
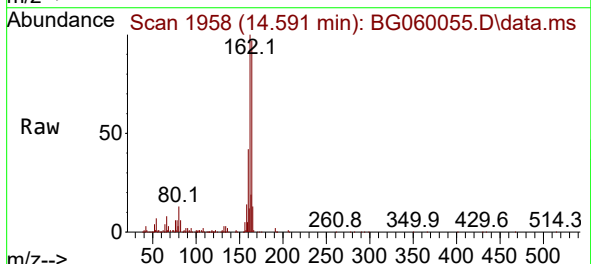
Instrument :
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ClientSampleId :
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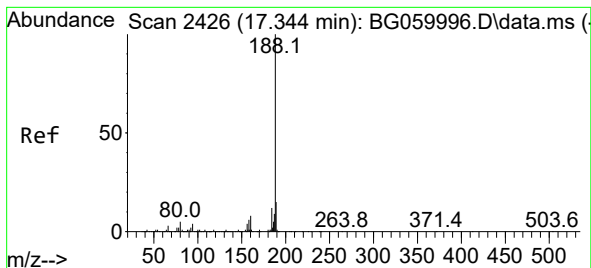
Tgt Ion:172 Resp: 1646467
Ion Ratio Lower Upper
172 100
171 37.1 30.1 45.1
170 24.6 20.0 30.0



#57
2,4-Dinitrotoluene
Concen: 5.792 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.361 min
Lab File: BG060055.D
Acq: 16 Dec 2023 4:41

Tgt Ion:165 Resp: 31106
Ion Ratio Lower Upper
165 100
63 2.2 32.8 49.2#
89 1.7 53.0 79.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.341 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG060055.D

Acq: 16 Dec 2023 4:41

Instrument :

BNA_G

ClientSampleId :

MW-8

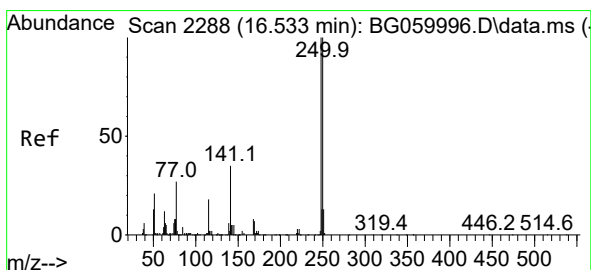
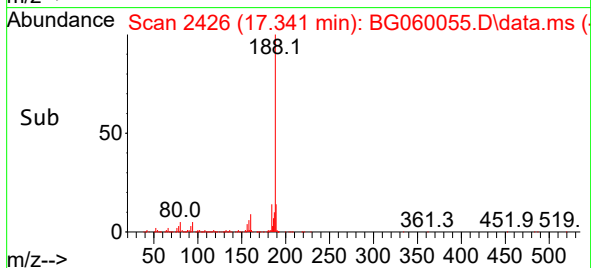
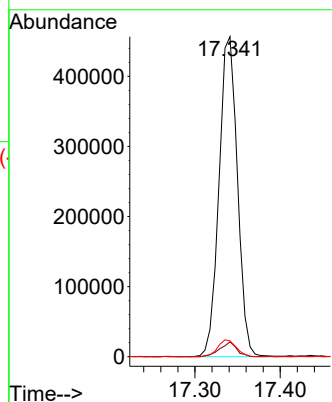
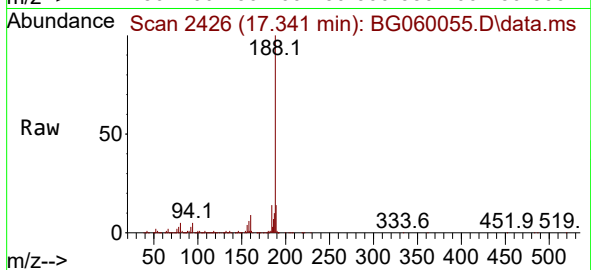
Tgt Ion:188 Resp: 686000

Ion Ratio Lower Upper

188 100

94 4.6 3.0 4.6#

80 4.9 4.0 6.0



#67

4-Bromophenyl-phenylether

Concen: 4.667 ng

RT: 16.078 min Scan# 2211

Delta R.T. -0.455 min

Lab File: BG060055.D

Acq: 16 Dec 2023 4:41

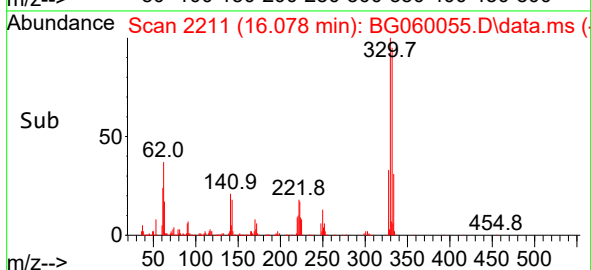
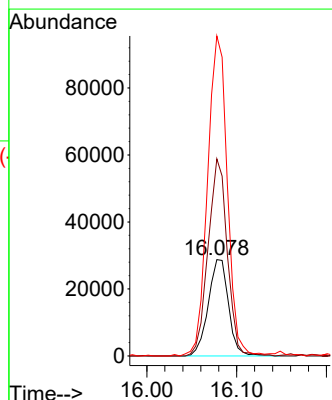
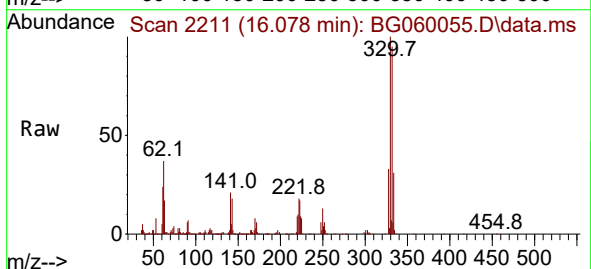
Tgt Ion:248 Resp: 45167

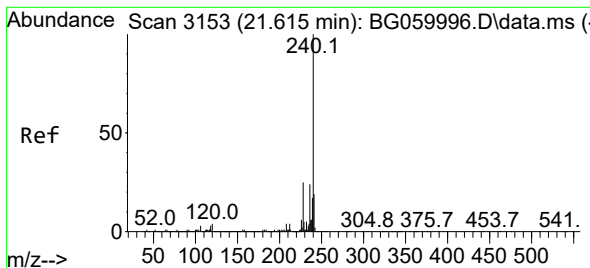
Ion Ratio Lower Upper

248 100

250 204.7 79.9 119.9#

141 332.3 28.3 42.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.607 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG060055.D

Acq: 16 Dec 2023 4:41

Instrument :

BNA_G

ClientSampleId :

MW-8

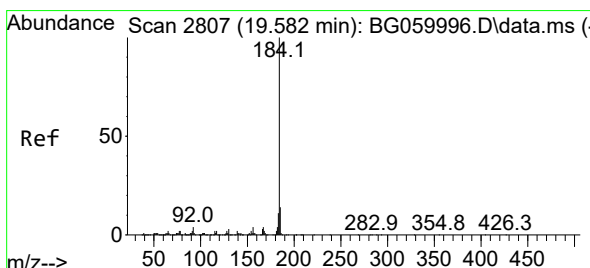
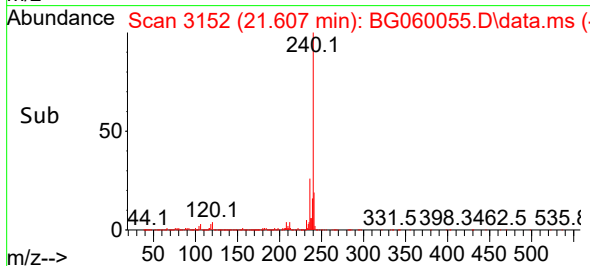
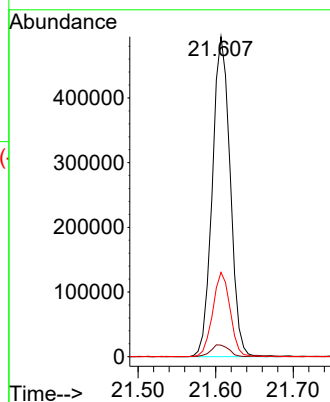
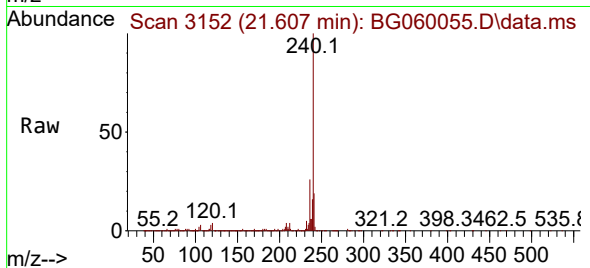
Tgt Ion:240 Resp: 791540

Ion Ratio Lower Upper

240 100

120 3.6 2.9 4.3

236 26.4 19.4 29.2



#77

Benzidine

Concen: 5.822 ng

RT: 19.962 min Scan# 2872

Delta R.T. 0.379 min

Lab File: BG060055.D

Acq: 16 Dec 2023 4:41

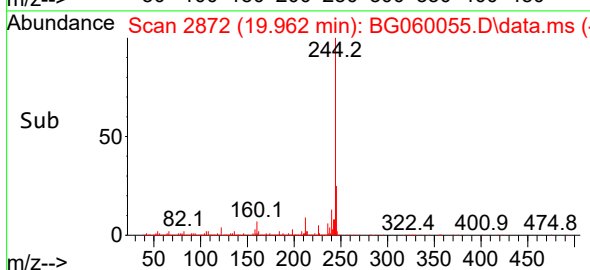
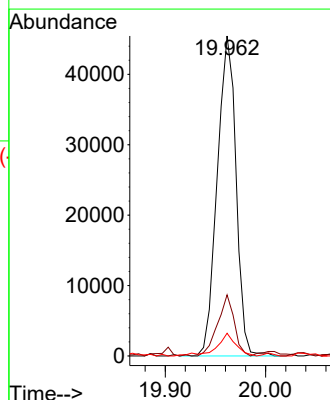
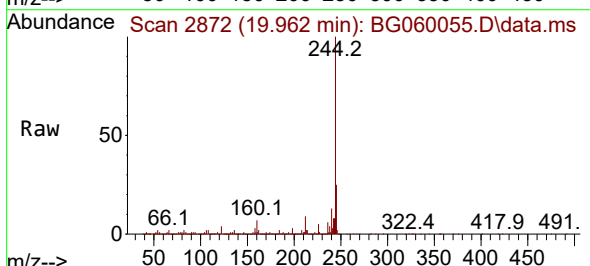
Tgt Ion:184 Resp: 59193

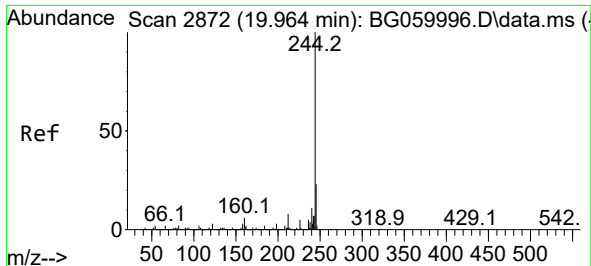
Ion Ratio Lower Upper

184 100

185 19.1 11.1 16.7#

183 7.1 9.0 13.4#

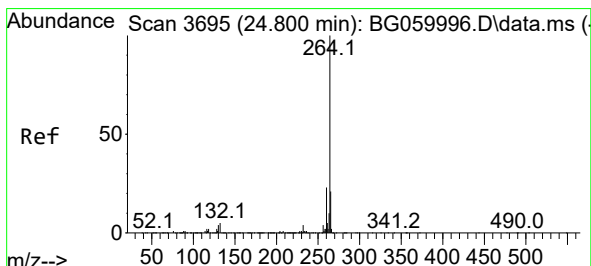
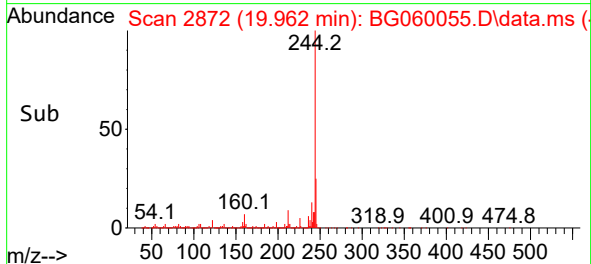
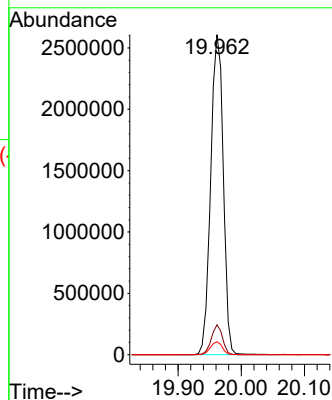
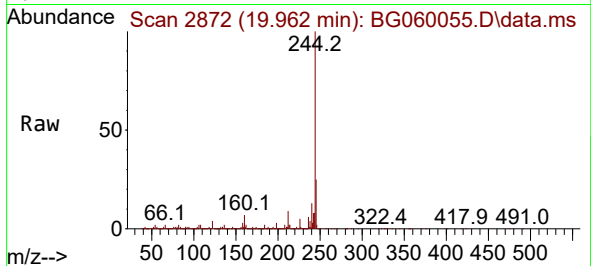




#79
 Terphenyl-d14
 Concen: 83.086 ng
 RT: 19.962 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG060055.D
 Acq: 16 Dec 2023 4:41

Instrument :
 BNA_G
 ClientSampleId :
 MW-8

Tgt Ion:244 Resp: 3602198
 Ion Ratio Lower Upper
 244 100
 212 9.4 6.8 10.2
 122 4.1 2.6 3.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.797 min Scan# 3695
 Delta R.T. -0.003 min
 Lab File: BG060055.D
 Acq: 16 Dec 2023 4:41

Tgt Ion:264 Resp: 911877
 Ion Ratio Lower Upper
 264 100
 260 20.8 18.5 27.7
 265 21.4 17.3 25.9

