

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060042.D
 Acq On : 15 Dec 2023 19:13
 Operator : MA/JU
 Sample : 05688-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PMW-2

Quant Time: Dec 16 02:05:10 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)

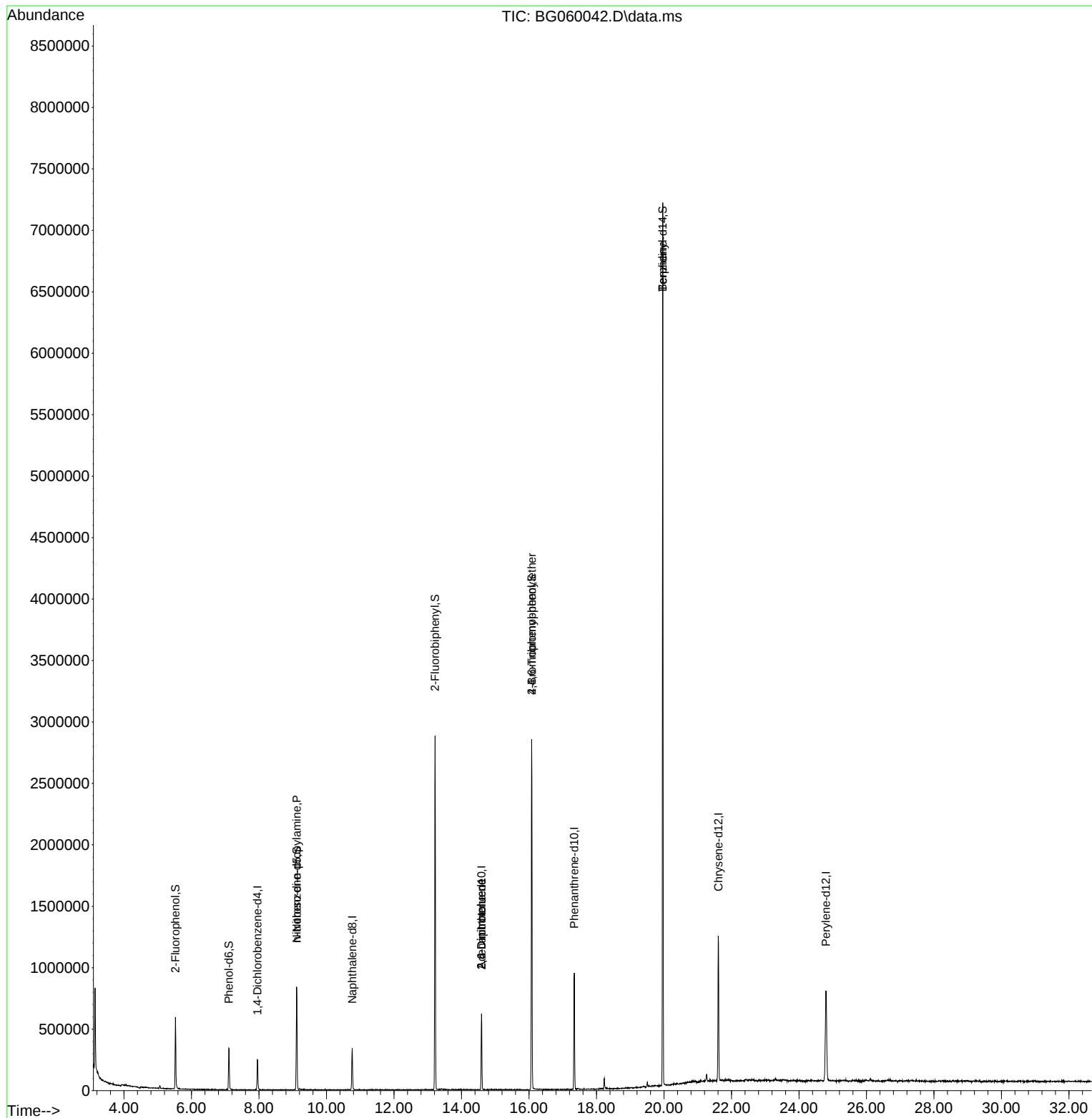
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.954	152	69539	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	263975	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	218213	20.000	ng	0.00
64) Phenanthrene-d10	17.343	188	659736	20.000	ng	0.00
76) Chrysene-d12	21.608	240	774342	20.000	ng	0.00
86) Perylene-d12	24.799	264	899854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	214837	52.887	ng	0.00
7) Phenol-d6	7.108	99	178384	31.218	ng	0.00
23) Nitrobenzene-d5	9.117	82	473009	81.366	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	684462	134.594	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1527468	85.671	ng	0.00
79) Terphenyl-d14	19.963	244	3655849	86.196	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.117	70	66581	18.060	ng	# 71
51) 2,6-Dinitrotoluene	14.593	165	29370	8.371	ng	# 25
57) 2,4-Dinitrotoluene	14.593	165	29370	5.955	ng	# 28
67) 4-Bromophenyl-phenylether	16.080	248	40762	4.379	ng	# 1
69) Atrazine	17.008	200	64	Below Cal		# 34
77) Benzidine	19.963	184	59662	5.998	ng	# 88

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

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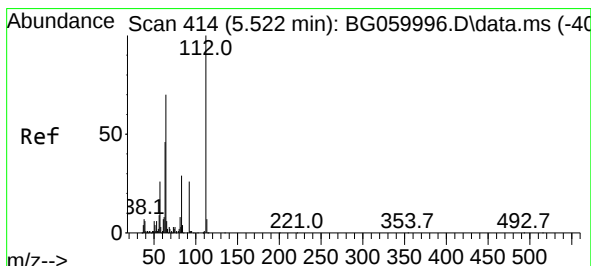
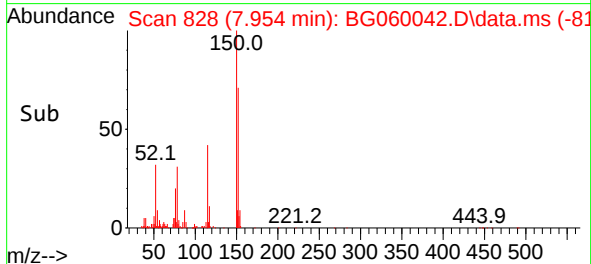
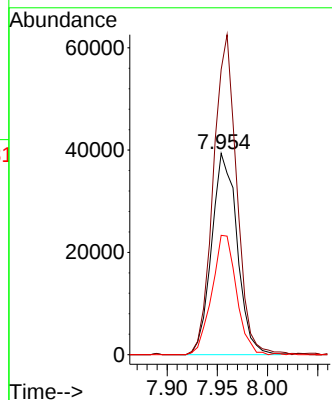
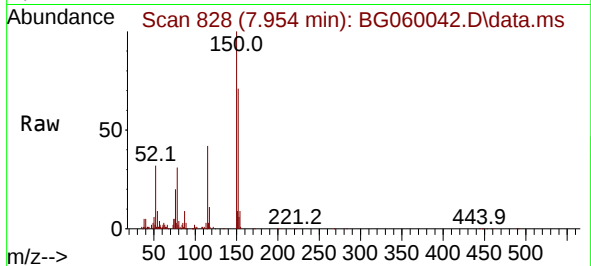




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.954 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG060042.D
 Acq: 15 Dec 2023 19:13

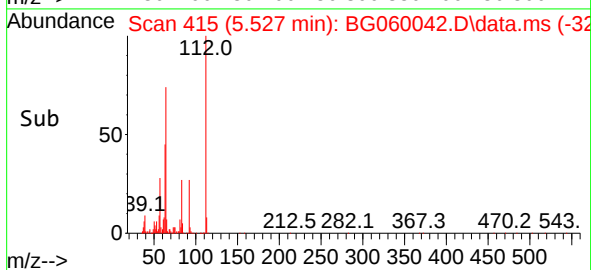
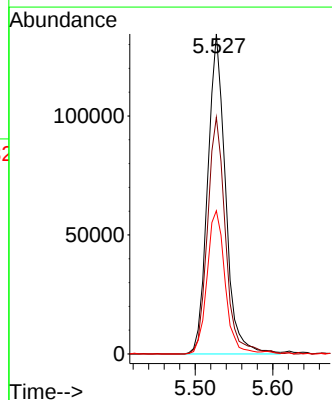
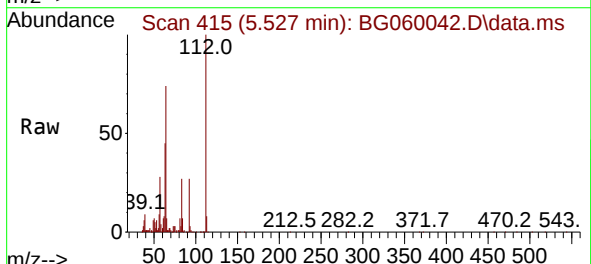
Instrument :
 BNA_G
 ClientSampleId :
 PMW-2

Tgt Ion:152 Resp: 69539
 Ion Ratio Lower Upper
 152 100
 150 141.6 127.0 190.6
 115 59.3 45.7 68.5



#5
 2-Fluorophenol
 Concen: 52.887 ng
 RT: 5.527 min Scan# 415
 Delta R.T. 0.005 min
 Lab File: BG060042.D
 Acq: 15 Dec 2023 19:13

Tgt Ion:112 Resp: 214837
 Ion Ratio Lower Upper
 112 100
 64 74.0 55.9 83.9
 63 44.8 36.5 54.7

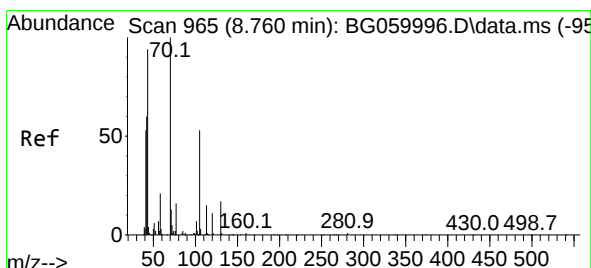
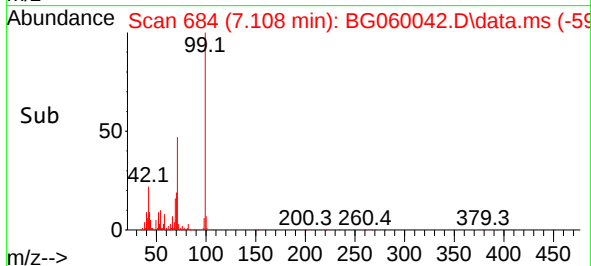
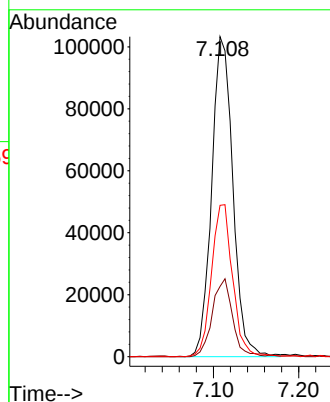
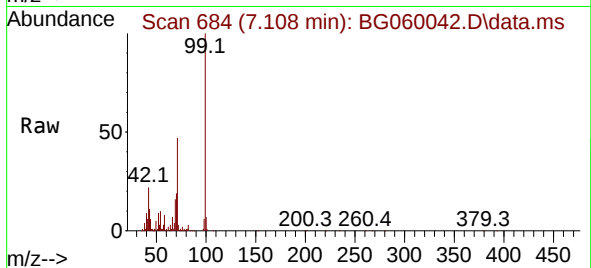




#7
Phenol-d6
Concen: 31.218 ng
RT: 7.108 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

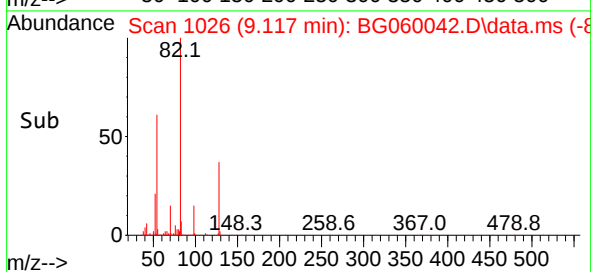
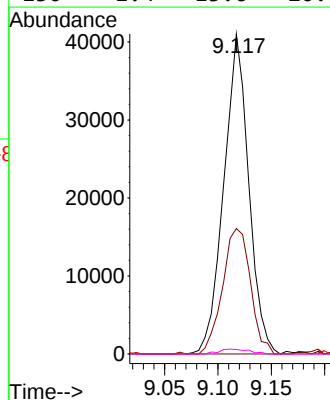
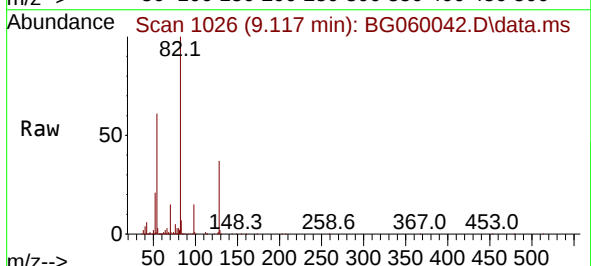
Instrument :
BNA_G
ClientSampleId :
PMW-2

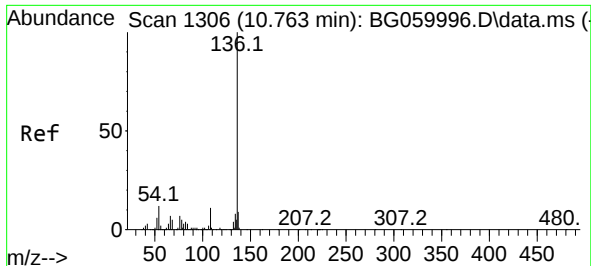
Tgt Ion: 99 Resp: 178384
Ion Ratio Lower Upper
99 100
42 22.0 16.2 24.4
71 47.3 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.060 ng
RT: 9.117 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

Tgt Ion: 70 Resp: 66581
Ion Ratio Lower Upper
70 100
42 39.2 48.6 73.0#
101 0.0 5.7 8.5#
130 1.4 13.6 20.4#

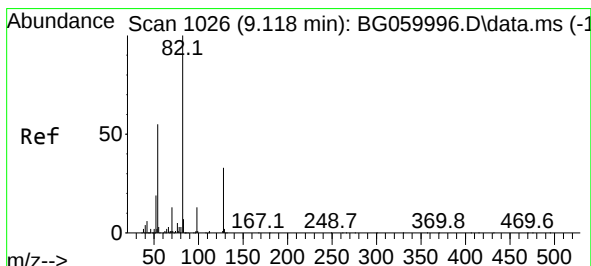
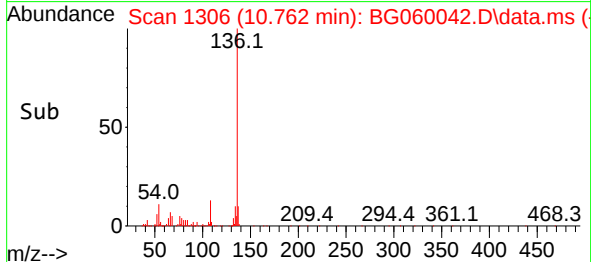
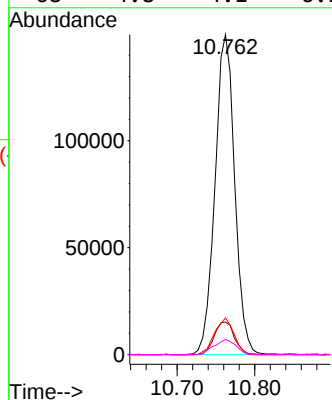
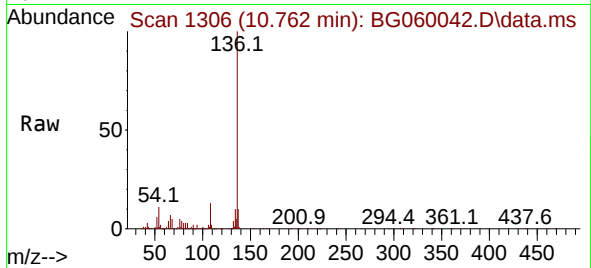




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.001 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

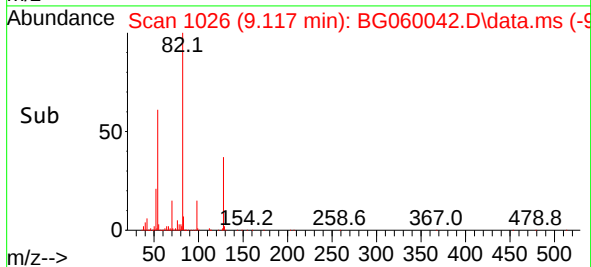
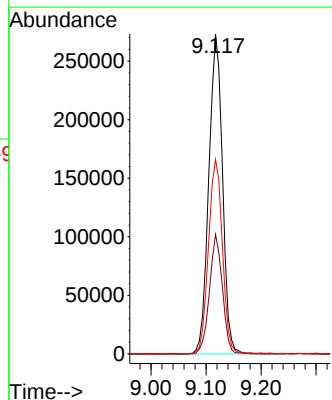
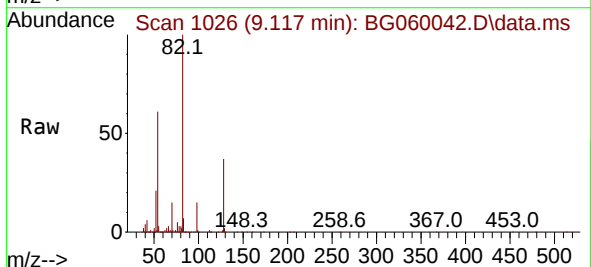
Instrument :
BNA_G
ClientSampleId :
PMW-2

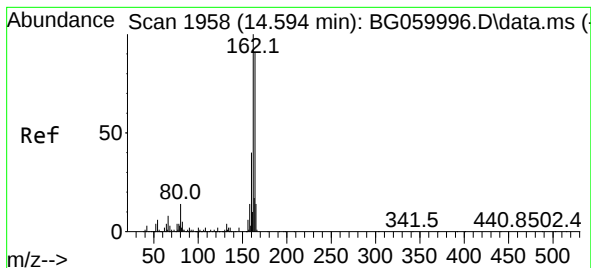
Tgt Ion:	136	Resp:	263975
Ion	Ratio	Lower	Upper
136	100		
137	10.2	7.3	10.9
54	11.4	9.6	14.4
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 81.366 ng
RT: 9.117 min Scan# 1026
Delta R.T. -0.001 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

Tgt Ion:	82	Resp:	473009
Ion	Ratio	Lower	Upper
82	100		
128	37.4	26.3	39.5
54	60.8	44.3	66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.593 min Scan# 1958

Delta R.T. -0.001 min

Lab File: BG060042.D

Acq: 15 Dec 2023 19:13

Instrument :

BNA_G

ClientSampleId :

PMW-2

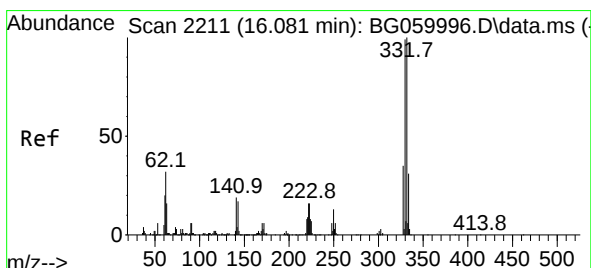
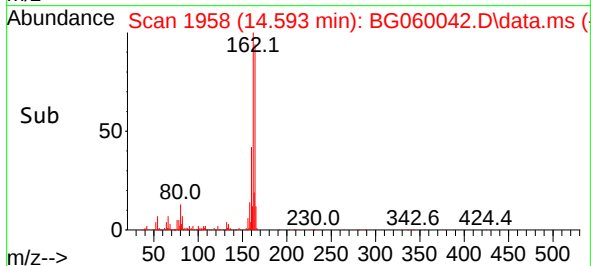
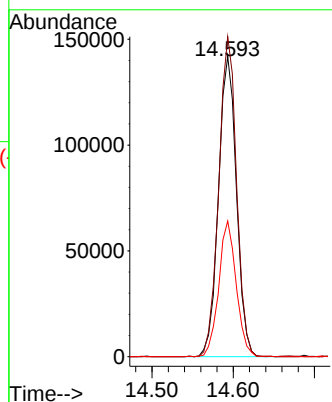
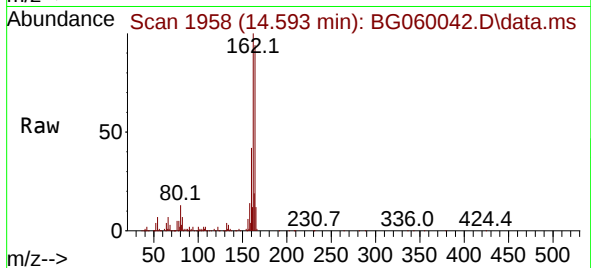
Tgt Ion:164 Resp: 218213

Ion Ratio Lower Upper

164 100

162 106.5 88.1 132.1

160 45.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 134.594 ng

RT: 16.080 min Scan# 2211

Delta R.T. -0.001 min

Lab File: BG060042.D

Acq: 15 Dec 2023 19:13

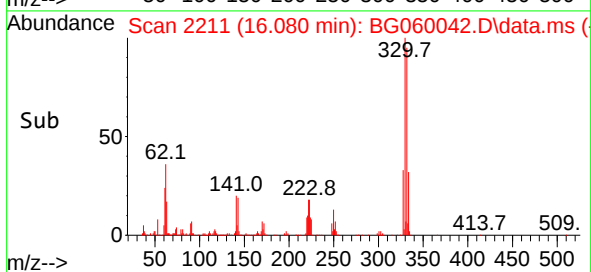
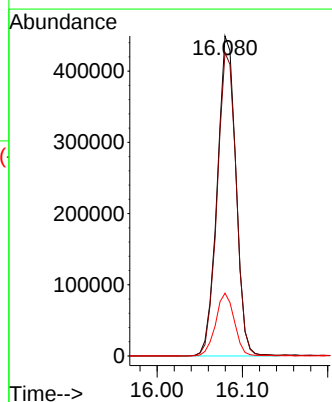
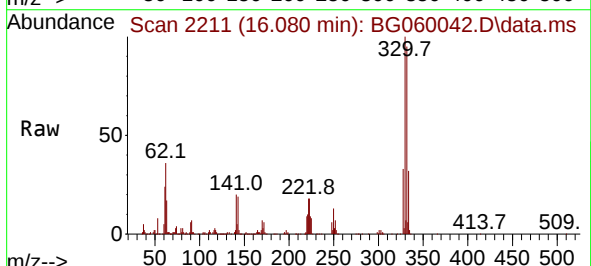
Tgt Ion:330 Resp: 684462

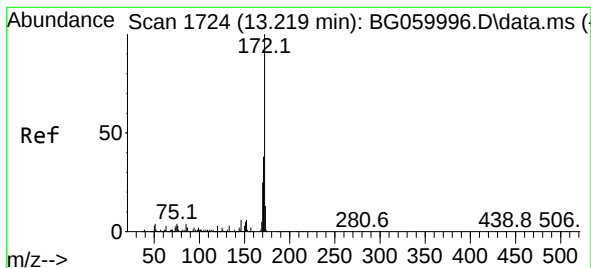
Ion Ratio Lower Upper

330 100

332 96.1 76.2 114.4

141 19.7 14.3 21.5

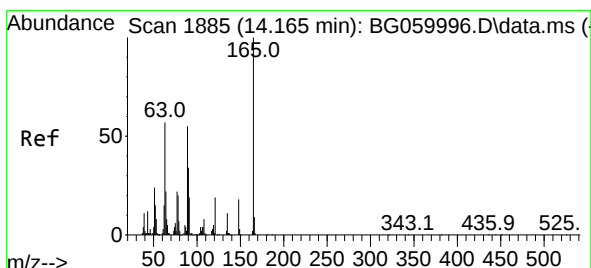
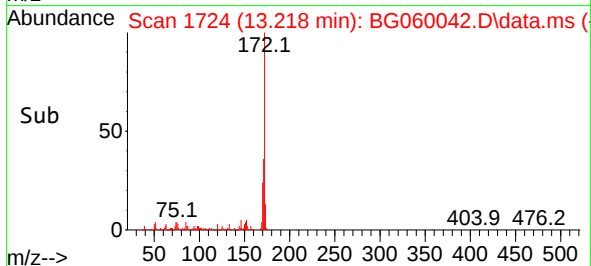
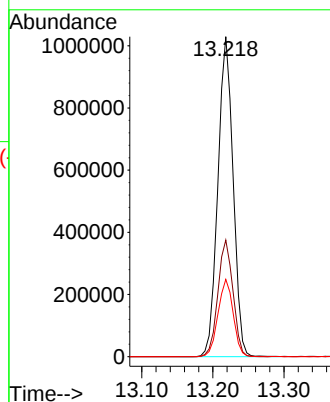
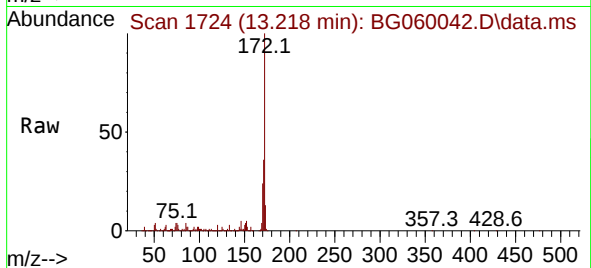




#45
2-Fluorobiphenyl
Concen: 85.671 ng
RT: 13.218 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

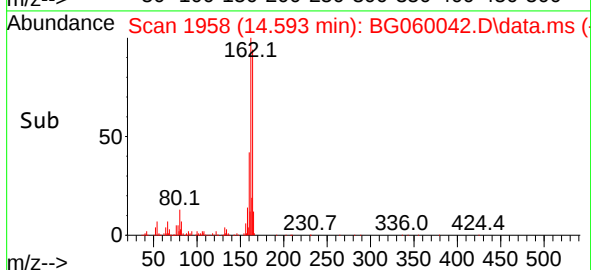
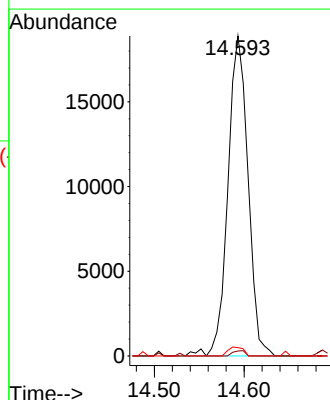
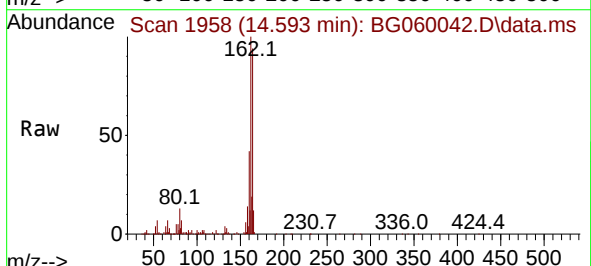
Instrument :
BNA_G
ClientSampleId :
PMW-2

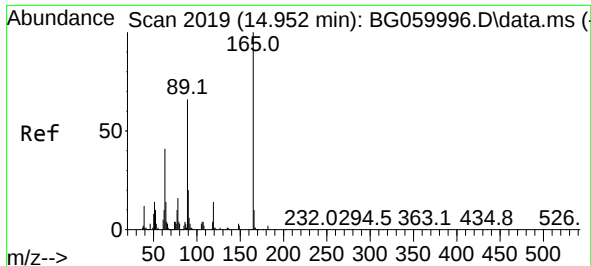
Tgt Ion:172 Resp: 1527468
Ion Ratio Lower Upper
172 100
171 36.5 30.1 45.1
170 24.2 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.371 ng
RT: 14.593 min Scan# 1958
Delta R.T. 0.428 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

Tgt Ion:165 Resp: 29370
Ion Ratio Lower Upper
165 100
63 1.5 48.2 72.2#
89 2.6 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 5.955 ng

RT: 14.593 min Scan# 1958

Delta R.T. -0.359 min

Lab File: BG060042.D

Acq: 15 Dec 2023 19:13

Instrument :

BNA_G

ClientSampleId :

PMW-2

Tgt Ion:165 Resp: 29370

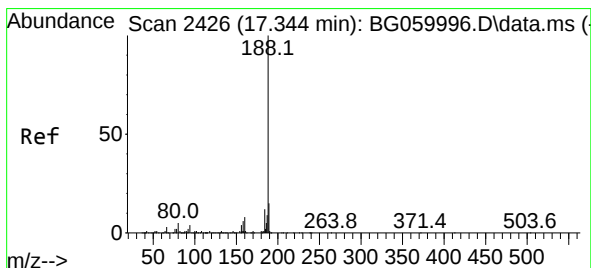
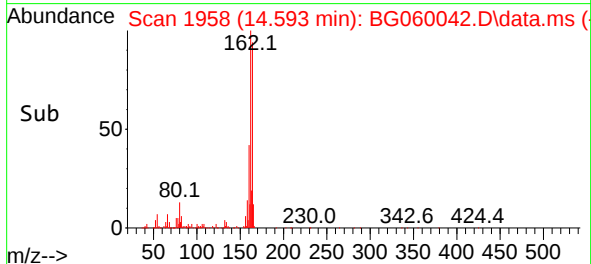
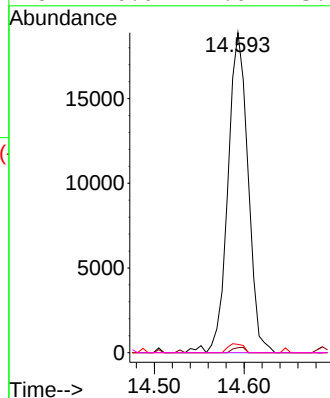
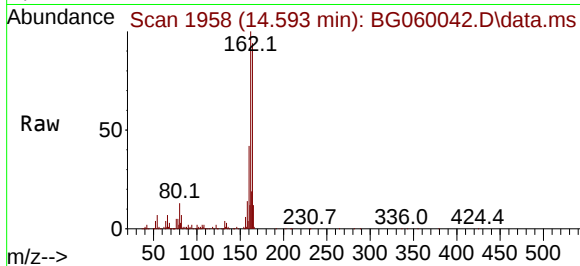
Ion Ratio Lower Upper

165 100

63 1.5 32.8 49.2#

89 2.6 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.343 min Scan# 2426

Delta R.T. -0.001 min

Lab File: BG060042.D

Acq: 15 Dec 2023 19:13

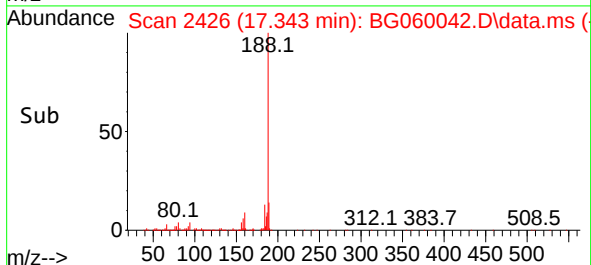
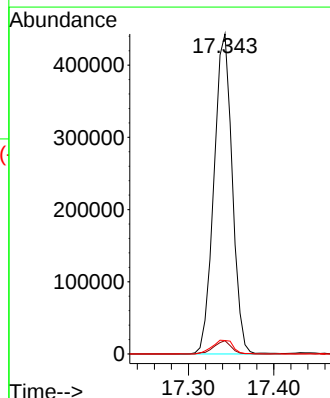
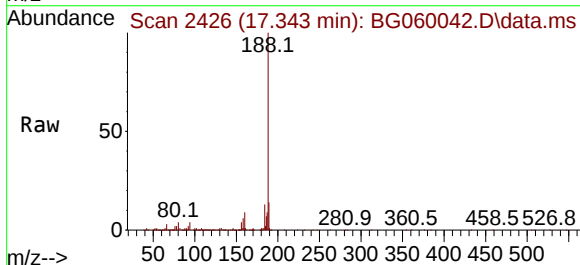
Tgt Ion:188 Resp: 659736

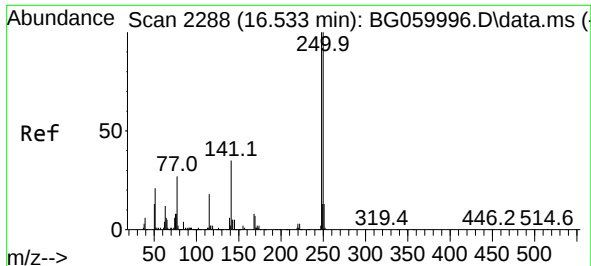
Ion Ratio Lower Upper

188 100

94 4.2 3.0 4.6

80 4.2 4.0 6.0

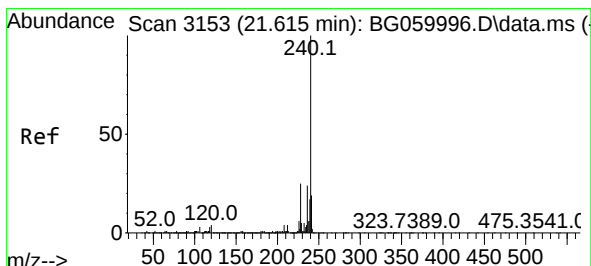
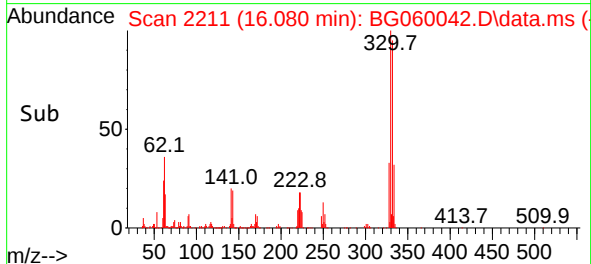
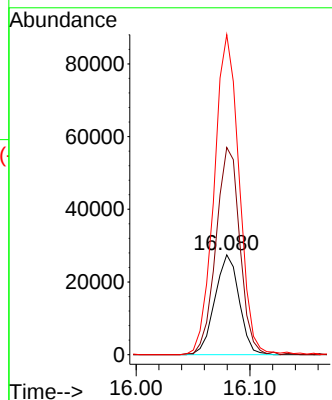
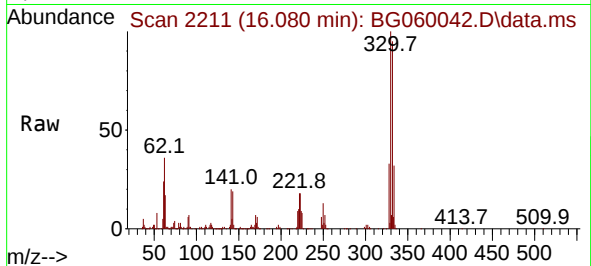




#67
4-Bromophenyl-phenylether
Concen: 4.379 ng
RT: 16.080 min Scan# 211
Delta R.T. -0.453 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

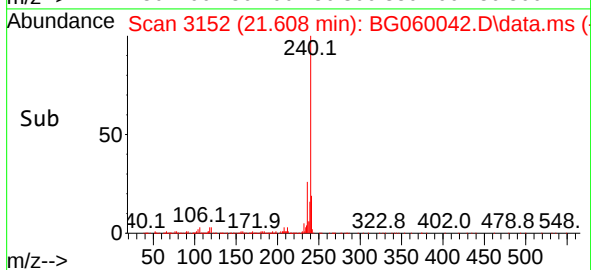
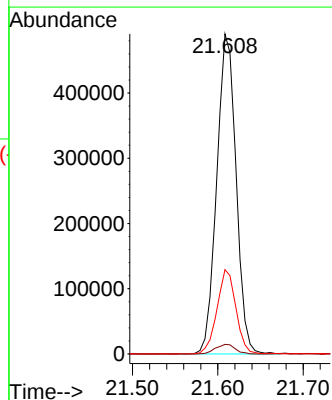
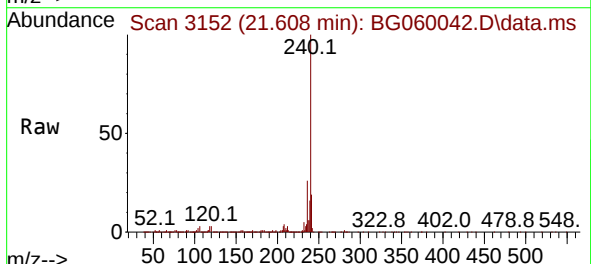
Instrument :
BNA_G
ClientSampleId :
PMW-2

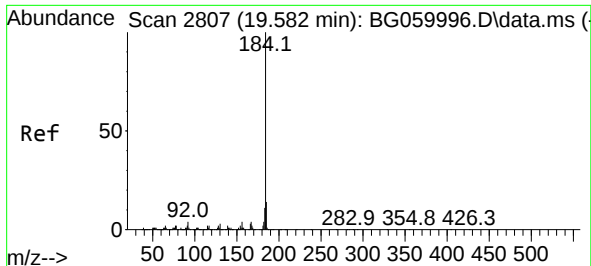
Tgt Ion:248 Resp: 40762
Ion Ratio Lower Upper
248 100
250 207.4 79.9 119.9#
141 320.3 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.007 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

Tgt Ion:240 Resp: 774342
Ion Ratio Lower Upper
240 100
120 3.0 2.9 4.3
236 26.4 19.4 29.2

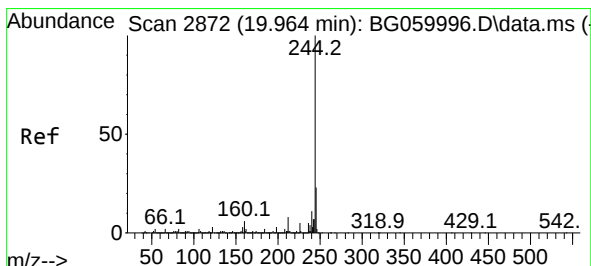
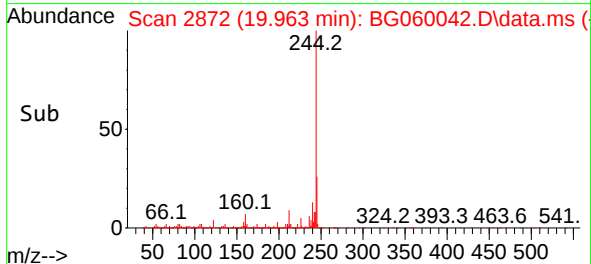
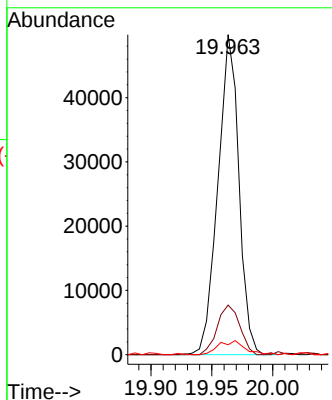
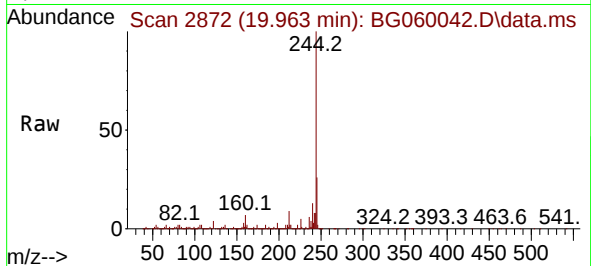




#77
Benzidine
Concen: 5.998 ng
RT: 19.963 min Scan# 2872
Delta R.T. 0.381 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

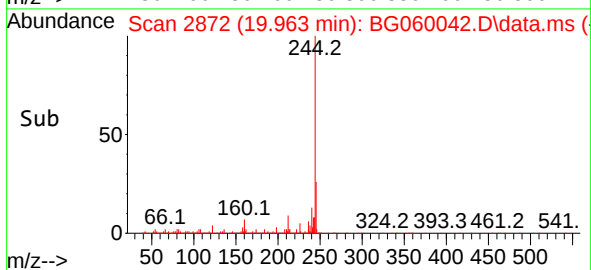
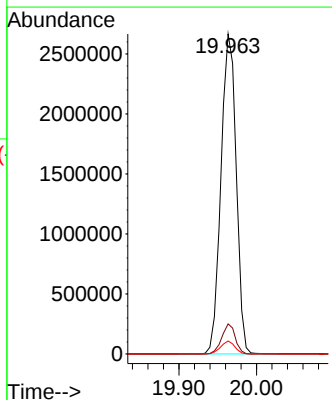
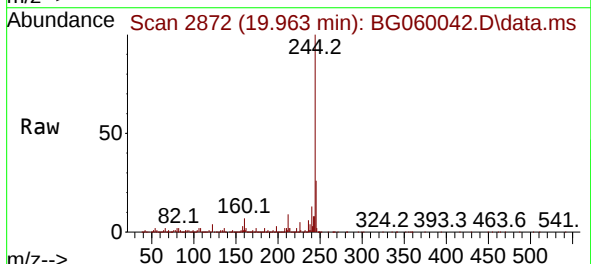
Instrument :
BNA_G
ClientSampleId :
PMW-2

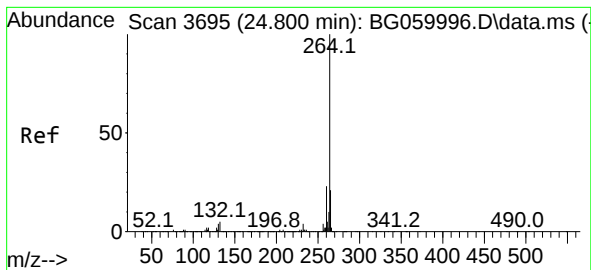
Tgt Ion:184 Resp: 59662
Ion Ratio Lower Upper
184 100
185 15.5 11.1 16.7
183 3.1 9.0 13.4#



#79
Terphenyl-d14
Concen: 86.196 ng
RT: 19.963 min Scan# 2872
Delta R.T. -0.001 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

Tgt Ion:244 Resp: 3655849
Ion Ratio Lower Upper
244 100
212 9.4 6.8 10.2
122 4.0 2.6 3.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.799 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG060042.D
Acq: 15 Dec 2023 19:13

Instrument :
BNA_G
ClientSampleId :
PMW-2

Tgt Ion:264 Resp: 899854

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	21.6	17.3	25.9

