

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059860.D
 Acq On : 24 Nov 2023 15:53
 Operator : MA/JU
 Sample : 05293-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-6

Quant Time: Nov 24 16:37:03 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)

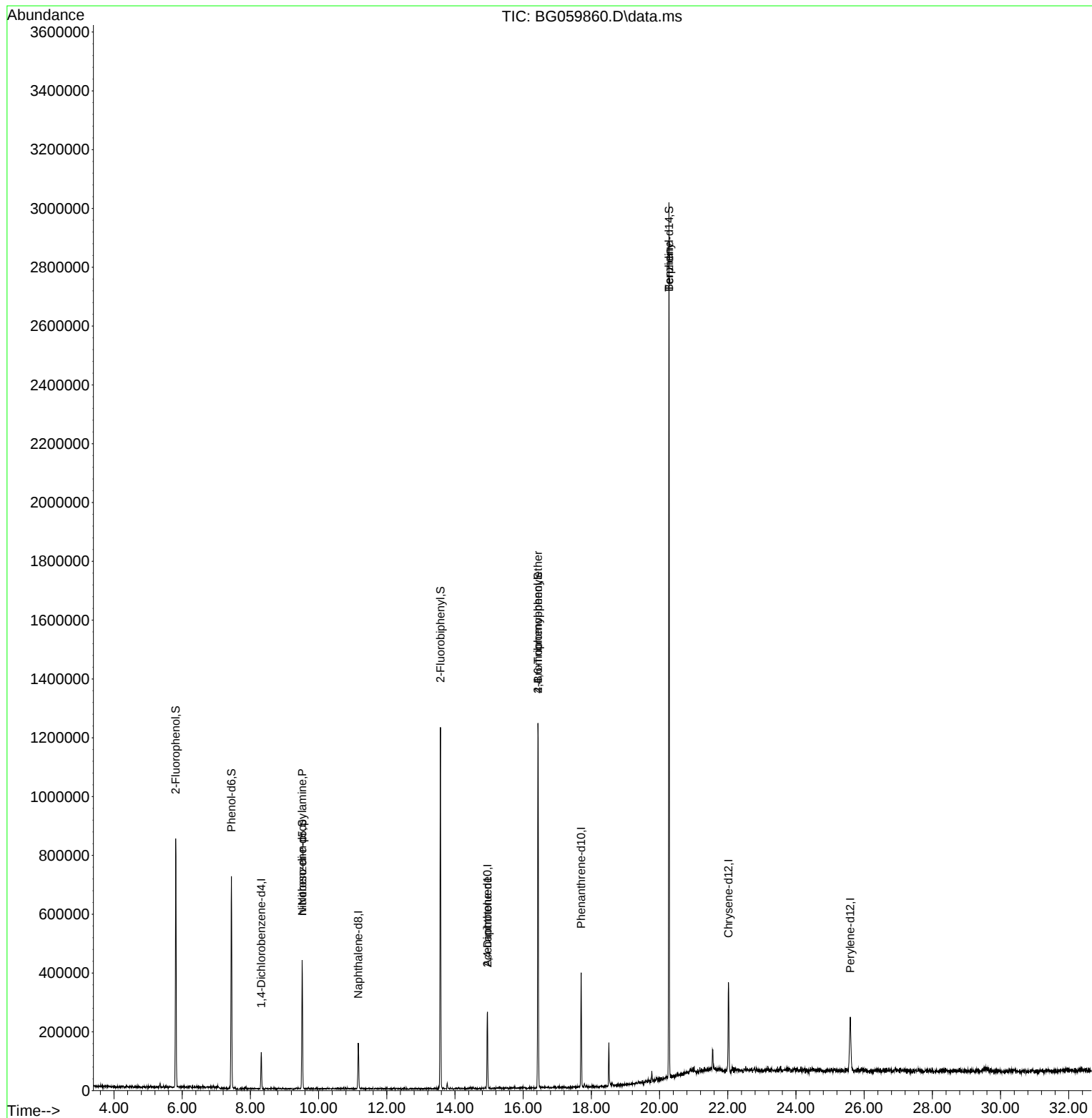
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	26653	20.000	ng	# 0.00
21) Naphthalene-d8	11.162	136	111275	20.000	ng	# 0.00
39) Acenaphthene-d10	14.952	164	85212	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	215513	20.000	ng	# 0.00
76) Chrysene-d12	22.020	240	177503	20.000	ng	#-0.01
86) Perylene-d12	25.592	264	200448	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.810	112	282329	178.291	ng	0.00
7) Phenol-d6	7.443	99	314354	133.959	ng	0.00
23) Nitrobenzene-d5	9.517	82	260189	89.303	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	170722	176.578	ng	0.00
45) 2-Fluorobiphenyl	13.571	172	539177	85.171	ng	0.00
79) Terphenyl-d14	20.275	244	1205058	100.222	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.517	70	43294	23.428	ng	# 88
57) 2,4-Dinitrotoluene	14.952	165	10671	5.539	ng	# 3
67) 4-Bromophenyl-phenylether	16.438	248	11322	4.890	ng	# 1
77) Benzidine	20.275	184	34986	8.692	ng	# 89

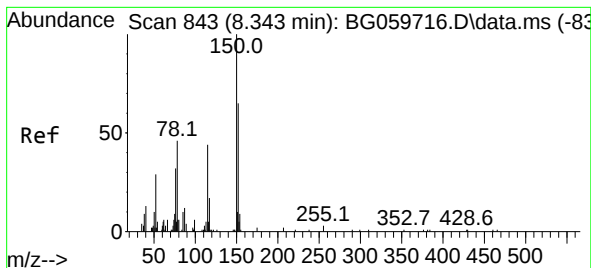
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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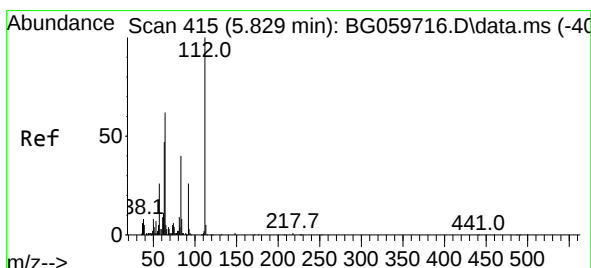
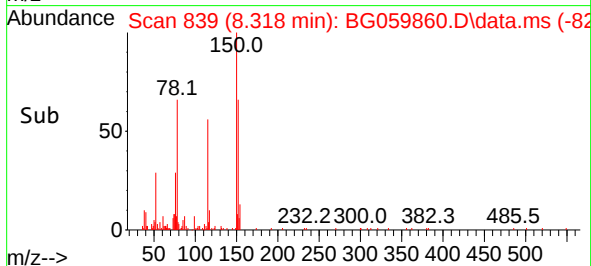
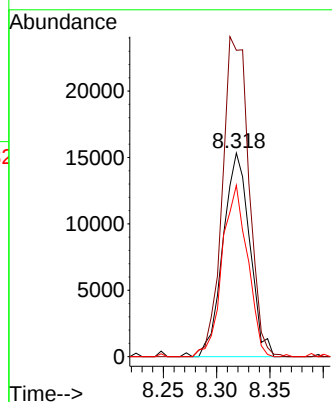
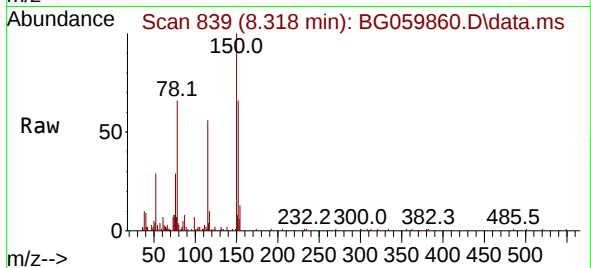




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.318 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: BG059860.D
 Acq: 24 Nov 2023 15:53

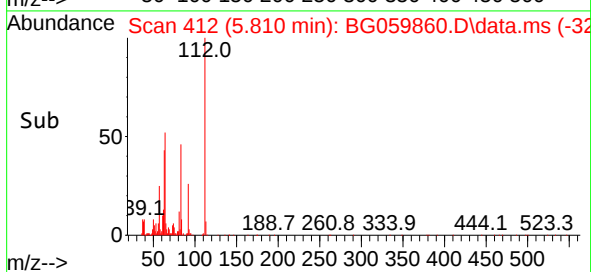
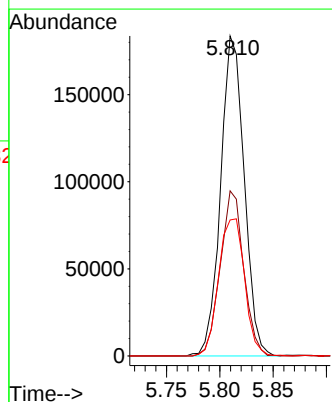
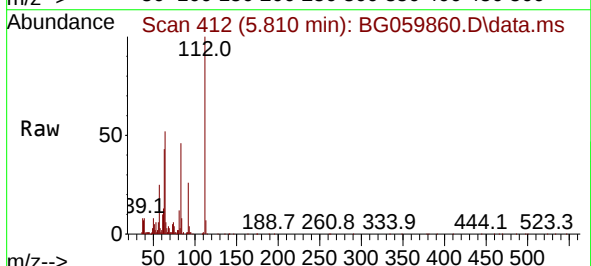
Instrument :
 BNA_G
 ClientSampleId :
 SB-6

Tgt Ion:152 Resp: 26653
 Ion Ratio Lower Upper
 152 100
 150 150.4 122.2 183.4
 115 84.1 54.2 81.4#



#5
 2-Fluorophenol
 Concen: 178.291 ng
 RT: 5.810 min Scan# 412
 Delta R.T. -0.002 min
 Lab File: BG059860.D
 Acq: 24 Nov 2023 15:53

Tgt Ion:112 Resp: 282329
 Ion Ratio Lower Upper
 112 100
 64 51.6 49.5 74.3
 63 42.5 37.4 56.2

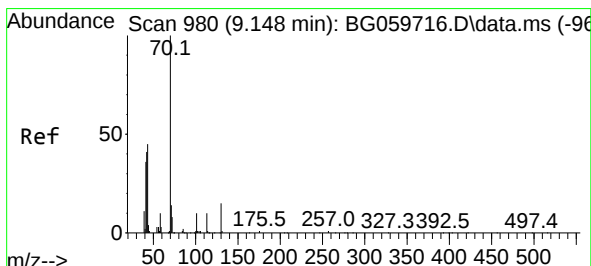
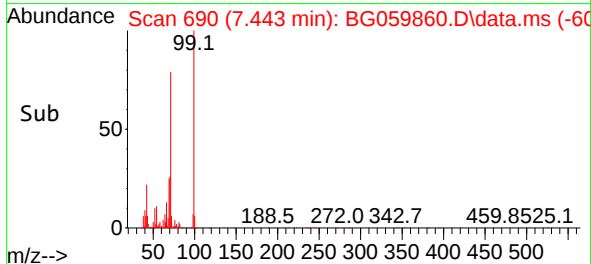
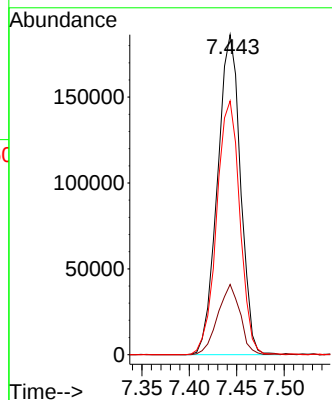
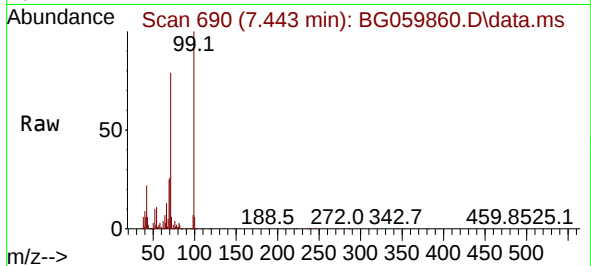




#7
Phenol-d6
Concen: 133.959 ng
RT: 7.443 min Scan# 692
Delta R.T. -0.002 min
Lab File: BG059860.D
Acq: 24 Nov 2023 15:53

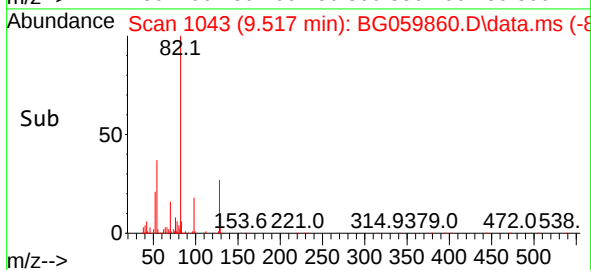
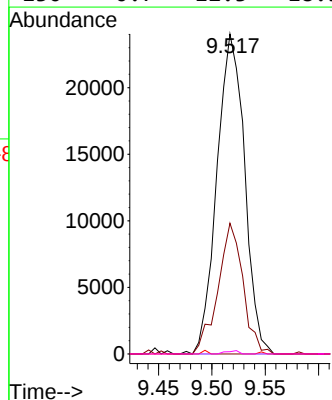
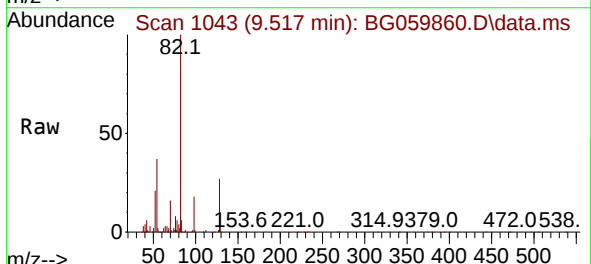
Instrument :
BNA_G
ClientSampleId :
SB-6

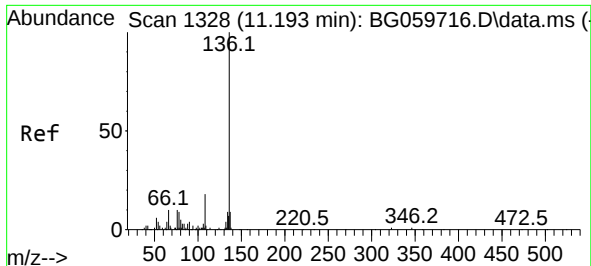
Tgt Ion: 99 Resp: 314354
Ion Ratio Lower Upper
99 100
42 22.0 14.3 21.5#
71 79.3 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 23.428 ng
RT: 9.517 min Scan# 1043
Delta R.T. 0.386 min
Lab File: BG059860.D
Acq: 24 Nov 2023 15:53

Tgt Ion: 70 Resp: 43294
Ion Ratio Lower Upper
70 100
42 40.8 32.8 49.2
101 0.0 7.7 11.5#
130 0.7 12.3 18.5#

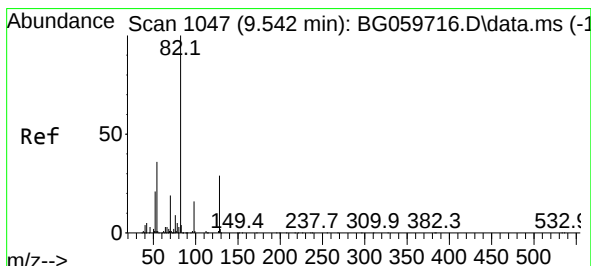
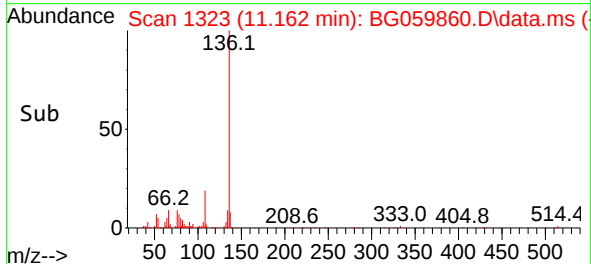
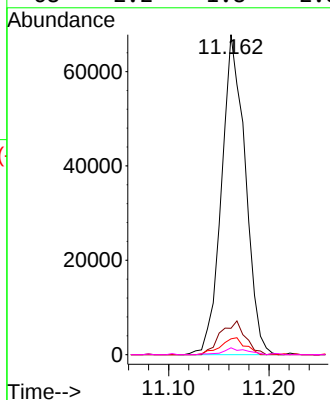
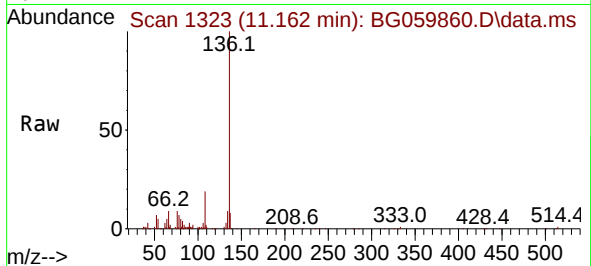




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.162 min Scan# 111275
Delta R.T. -0.008 min
Lab File: BG059860.D
Acq: 24 Nov 2023 15:53

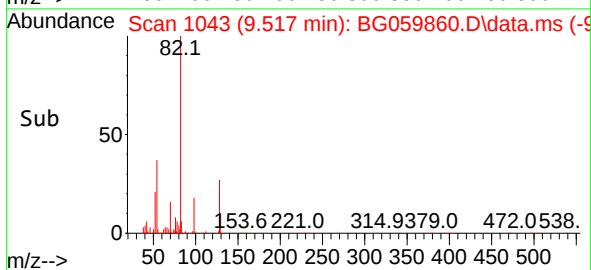
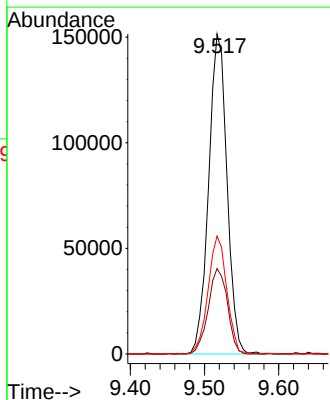
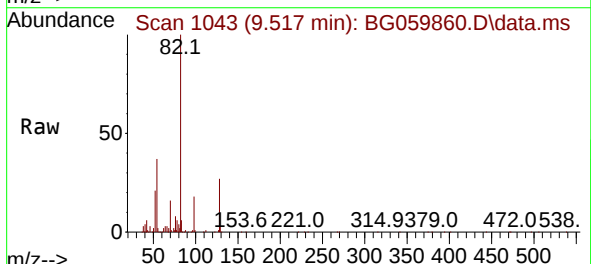
Instrument :
BNA_G
ClientSampleId :
SB-6

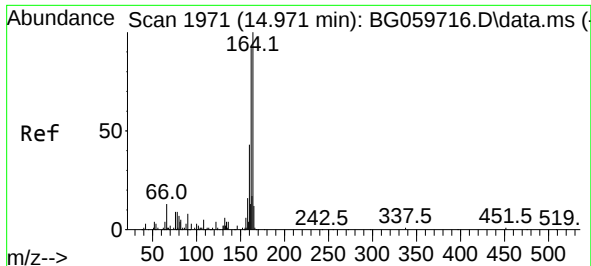
Tgt Ion:	136	Resp:	111275
Ion Ratio	Lower	Upper	
136	100		
137	8.3	7.4	11.0
54	5.0	3.1	4.7#
68	2.2	1.8	2.8



#23
Nitrobenzene-d5
Concen: 89.303 ng
RT: 9.517 min Scan# 1043
Delta R.T. -0.008 min
Lab File: BG059860.D
Acq: 24 Nov 2023 15:53

Tgt Ion:	82	Resp:	260189
Ion Ratio	Lower	Upper	
82	100		
128	26.7	23.0	34.6
54	36.9	28.7	43.1

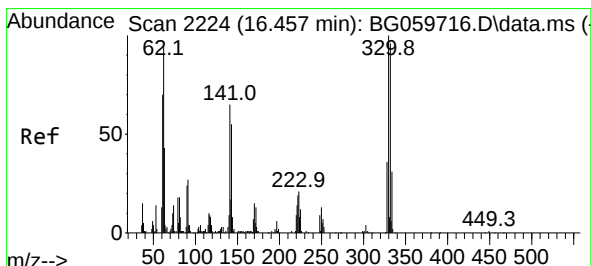
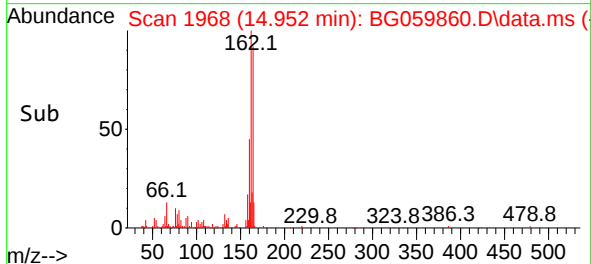
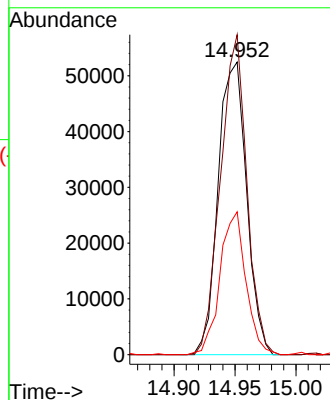
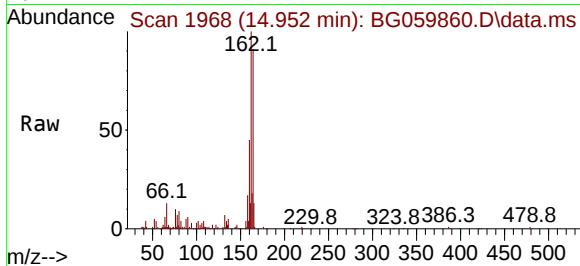




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.952 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG059860.D
Acq: 24 Nov 2023 15:53

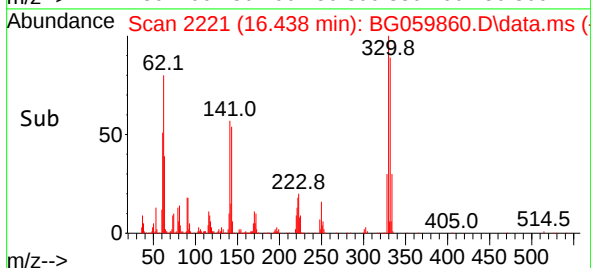
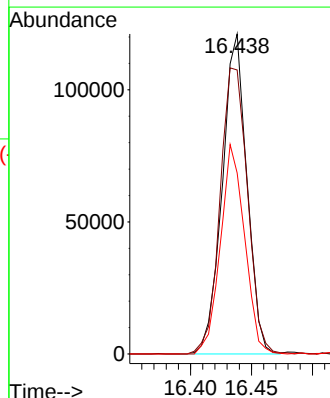
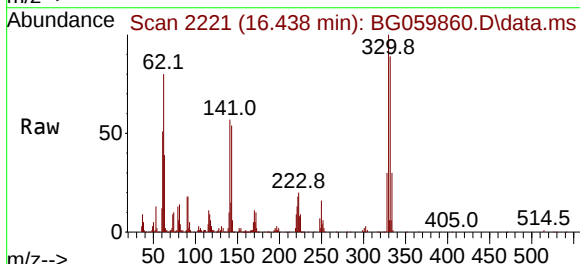
Instrument :
BNA_G
ClientSampleId :
SB-6

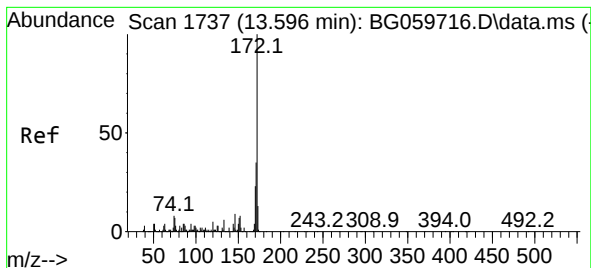
Tgt Ion:164 Resp: 85212
Ion Ratio Lower Upper
164 100
162 109.4 73.3 109.9
160 48.8 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 176.578 ng
RT: 16.438 min Scan# 2221
Delta R.T. -0.002 min
Lab File: BG059860.D
Acq: 24 Nov 2023 15:53

Tgt Ion:330 Resp: 170722
Ion Ratio Lower Upper
330 100
332 99.2 73.3 109.9
141 64.0 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 85.171 ng

RT: 13.571 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG059860.D

Acq: 24 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

SB-6

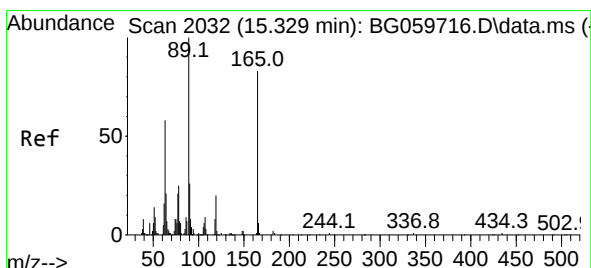
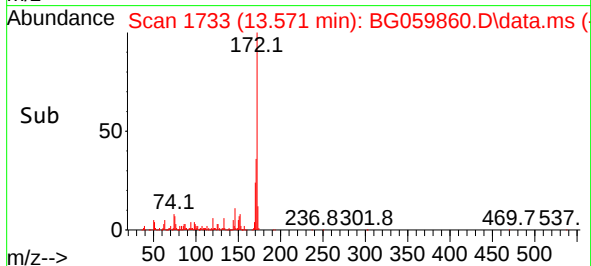
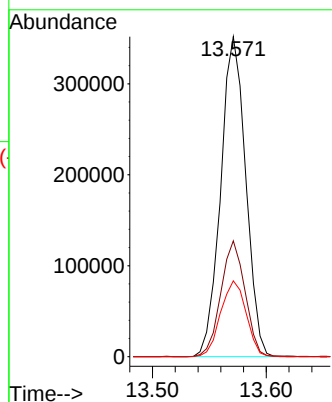
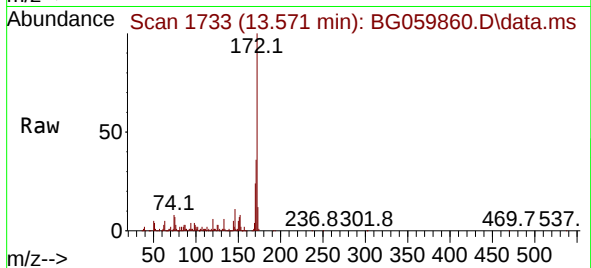
Tgt Ion:172 Resp: 539177

Ion Ratio Lower Upper

172 100

171 36.2 27.7 41.5

170 23.7 18.4 27.6



#57

2,4-Dinitrotoluene

Concen: 5.539 ng

RT: 14.952 min Scan# 1968

Delta R.T. -0.372 min

Lab File: BG059860.D

Acq: 24 Nov 2023 15:53

Tgt Ion:165 Resp: 10671

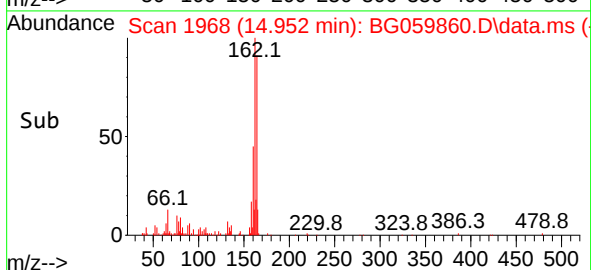
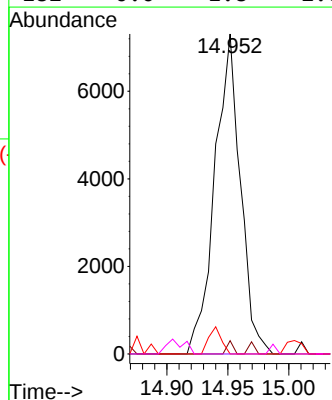
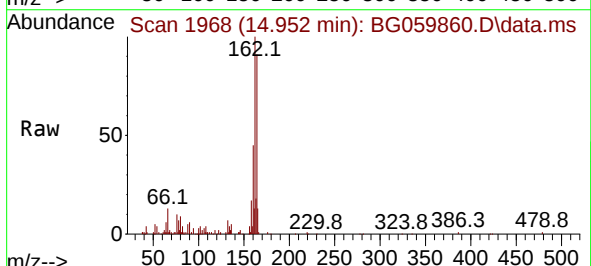
Ion Ratio Lower Upper

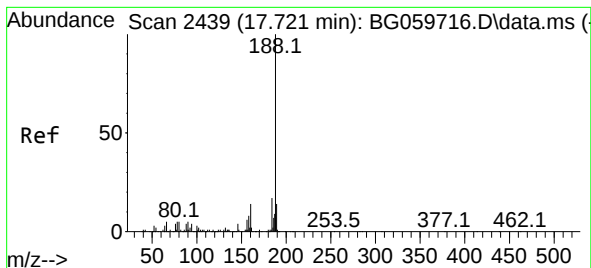
165 100

63 4.1 55.8 83.8#

89 0.0 96.9 145.3#

182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.701 min Scan# 2439

Delta R.T. -0.008 min

Lab File: BG059860.D

Acq: 24 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

SB-6

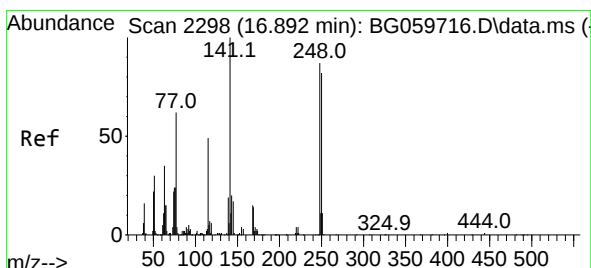
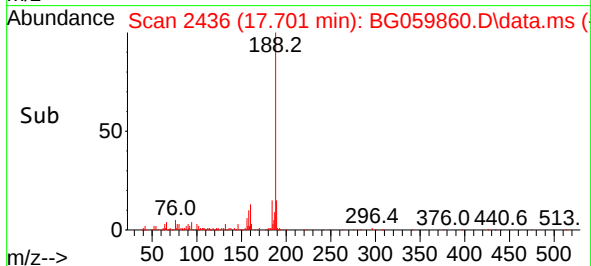
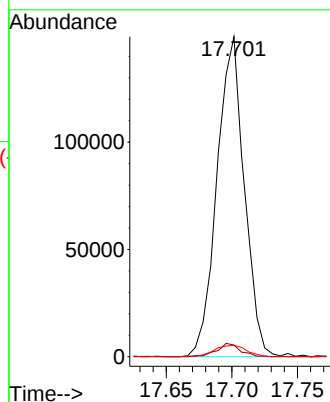
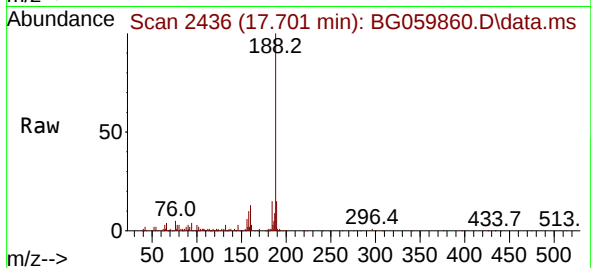
Tgt Ion:188 Resp: 215513

Ion Ratio Lower Upper

188 100

94 3.7 3.0 4.4

80 3.5 4.2 6.4#



#67

4-Bromophenyl-phenylether

Concen: 4.890 ng

RT: 16.438 min Scan# 2221

Delta R.T. -0.443 min

Lab File: BG059860.D

Acq: 24 Nov 2023 15:53

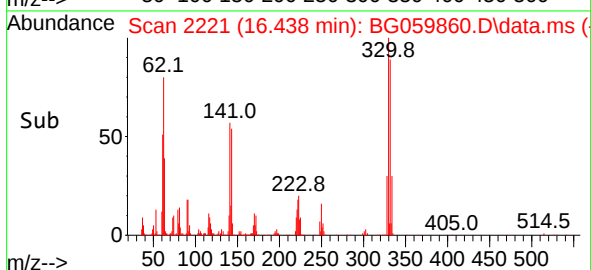
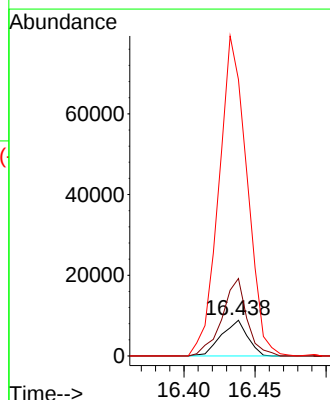
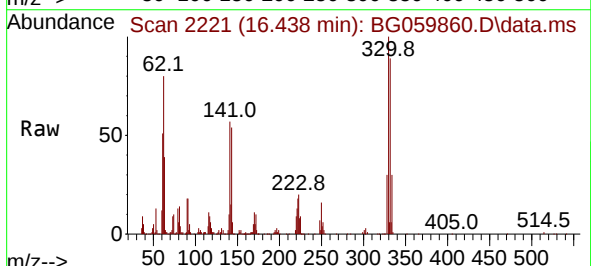
Tgt Ion:248 Resp: 11322

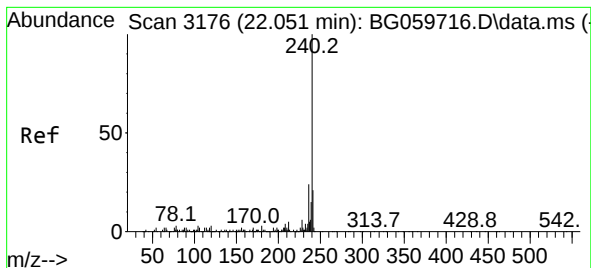
Ion Ratio Lower Upper

248 100

250 216.9 75.2 112.8#

141 774.0 91.5 137.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.020 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG059860.D

Acq: 24 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

SB-6

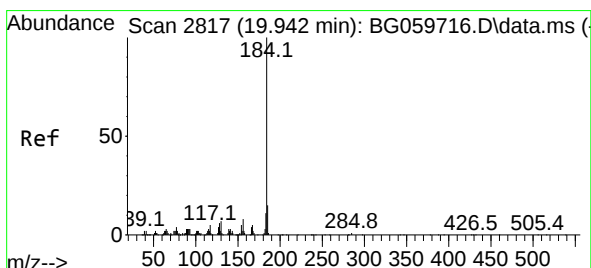
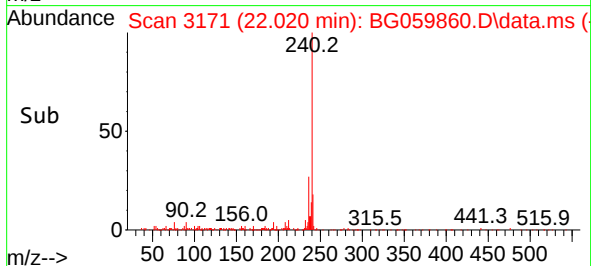
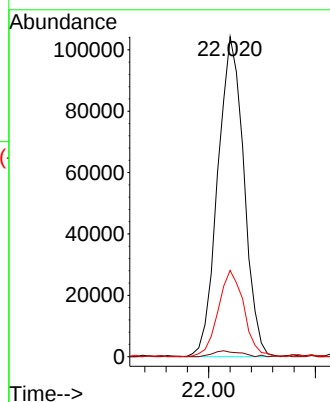
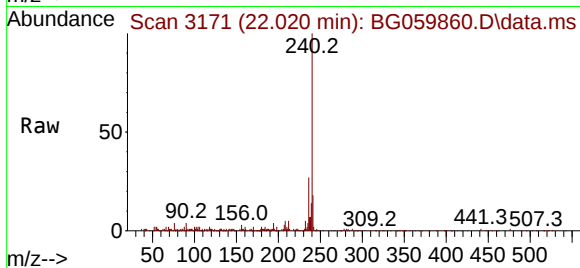
Tgt Ion:240 Resp: 177503

Ion Ratio Lower Upper

240 100

120 1.4 2.2 3.2#

236 27.0 19.4 29.2



#77

Benzidine

Concen: 8.692 ng

RT: 20.275 min Scan# 2874

Delta R.T. 0.345 min

Lab File: BG059860.D

Acq: 24 Nov 2023 15:53

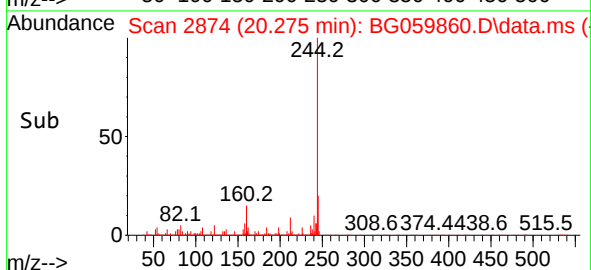
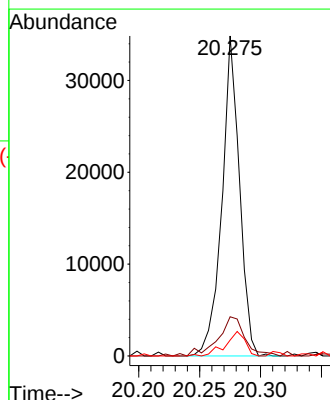
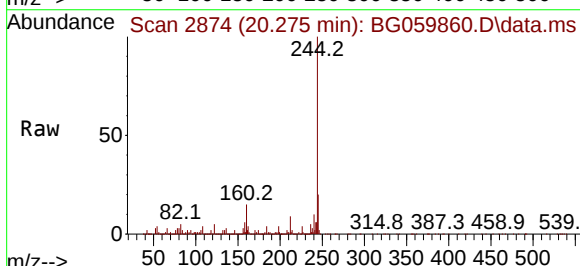
Tgt Ion:184 Resp: 34986

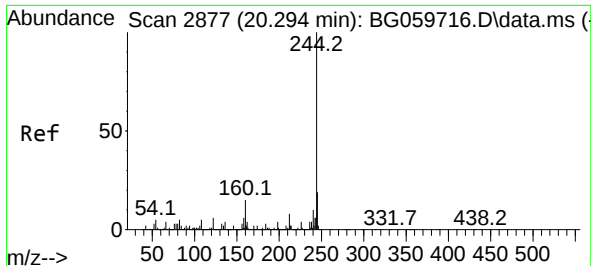
Ion Ratio Lower Upper

184 100

185 12.2 12.2 18.2

183 4.9 8.8 13.2#

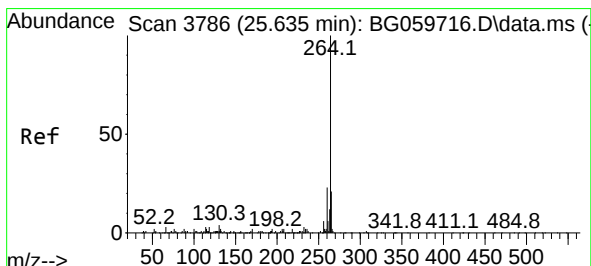
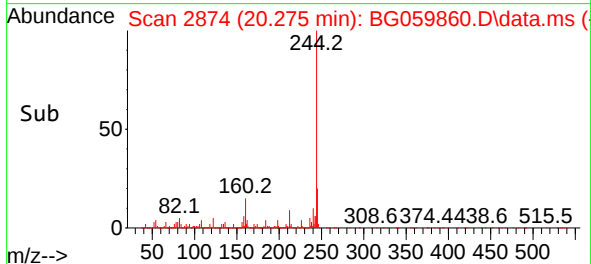
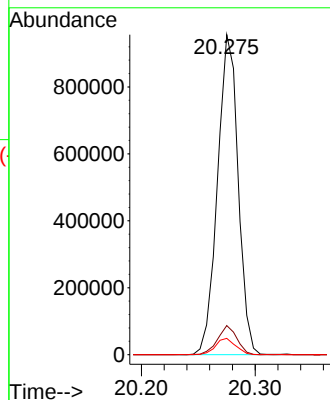
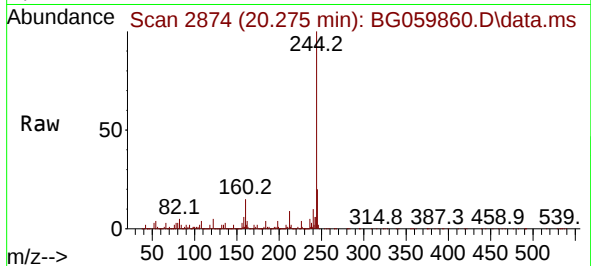




#79
 Terphenyl-d14
 Concen: 100.222 ng
 RT: 20.275 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG059860.D
 Acq: 24 Nov 2023 15:53

Instrument :
 BNA_G
 ClientSampleId :
 SB-6

Tgt Ion:244 Resp: 1205058
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.6 10.0
 122 5.1 4.4 6.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.592 min Scan# 3779
 Delta R.T. -0.020 min
 Lab File: BG059860.D
 Acq: 24 Nov 2023 15:53

Tgt Ion:264 Resp: 200448
 Ion Ratio Lower Upper
 264 100
 260 26.6 18.5 27.7
 265 23.3 17.0 25.6

