

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059740.D
 Acq On : 17 Nov 2023 21:34
 Operator : MA/JU
 Sample : 05418-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 18 04:21:37 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 17 01:51:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

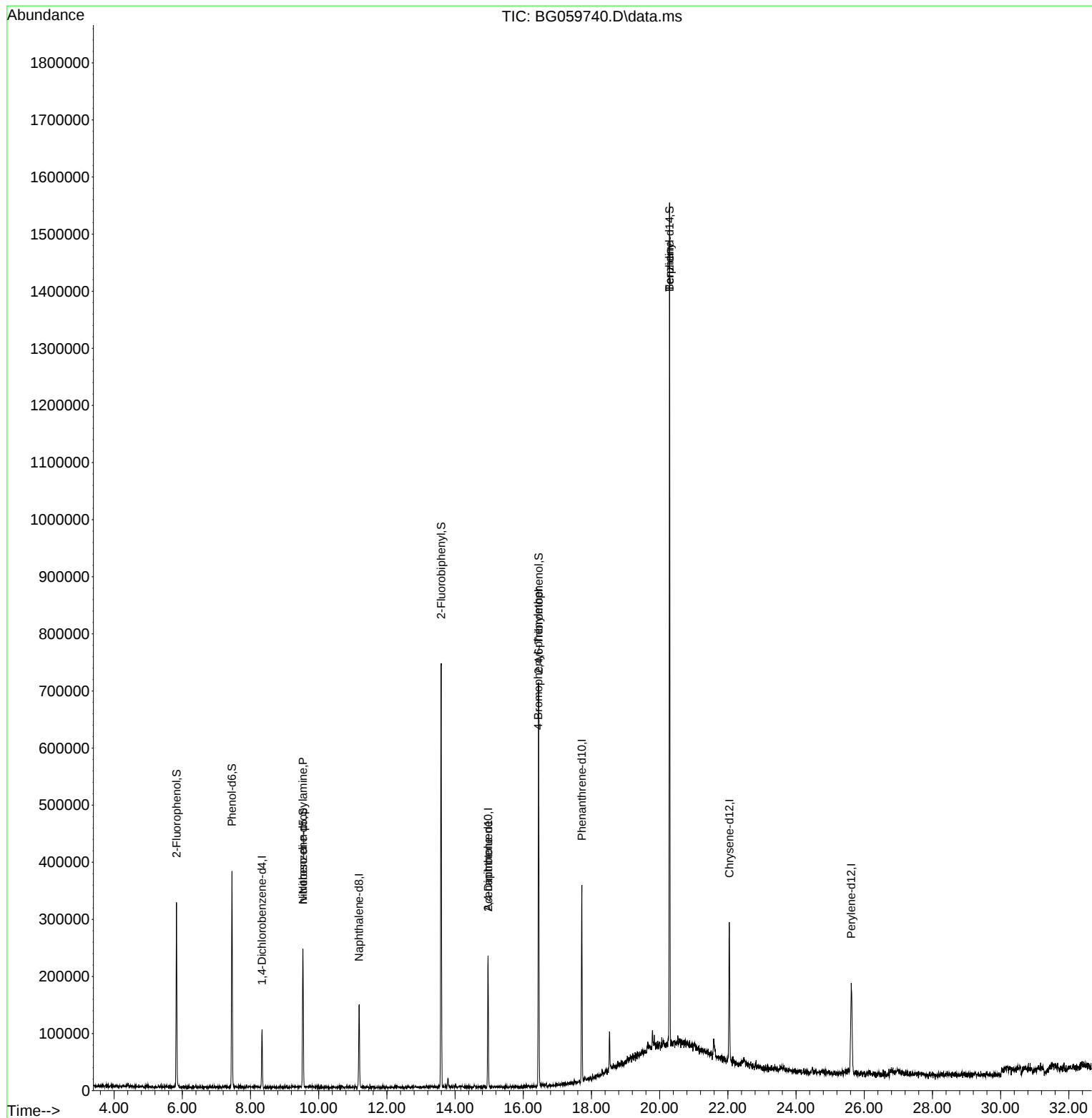
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	19787	20.000	ng	0.00
21) Naphthalene-d8	11.185	136	97841	20.000	ng	# 0.00
39) Acenaphthene-d10	14.969	164	68236	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	177189	20.000	ng	# 0.00
76) Chrysene-d12	22.043	240	137865	20.000	ng	0.00
86) Perylene-d12	25.621	264	180844	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	107935	91.813	ng	0.00
7) Phenol-d6	7.460	99	161506	92.706	ng	0.00
23) Nitrobenzene-d5	9.540	82	150304	58.671	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	91037	117.585	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	339180	66.908	ng	0.00
79) Terphenyl-d14	20.292	244	574099	61.474	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.540	70	24841	18.107	ng	# 82
57) 2,4-Dinitrotoluene	14.969	165	9039	5.859	ng	# 1
67) 4-Bromophenyl-phenylether	16.444	248	6999	3.677	ng	# 1
77) Benzidine	20.292	184	19086	6.105	ng	# 91

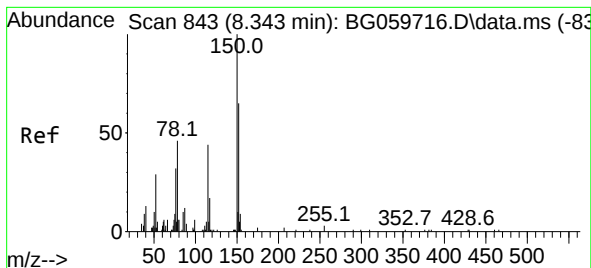
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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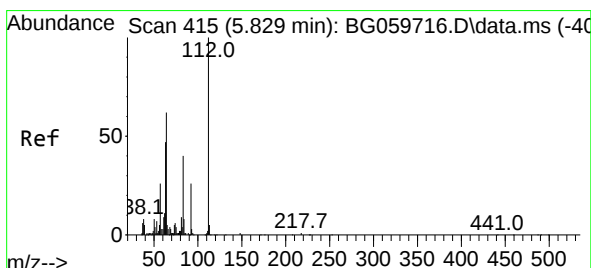
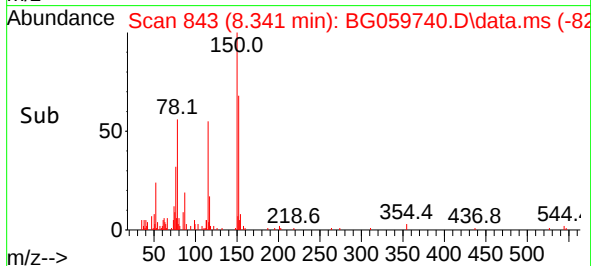
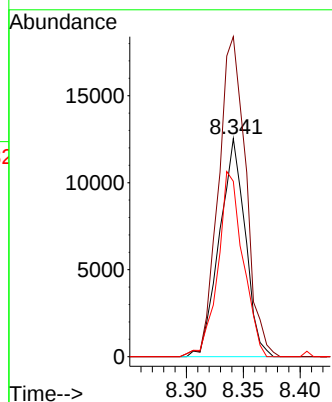
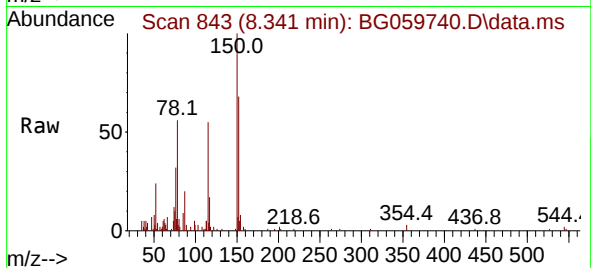




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

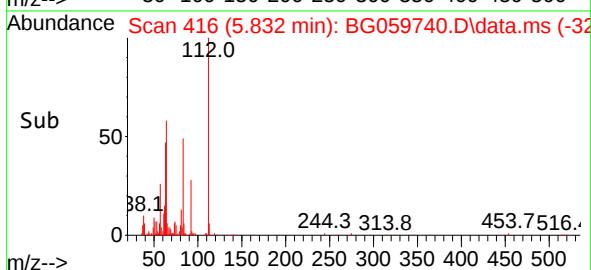
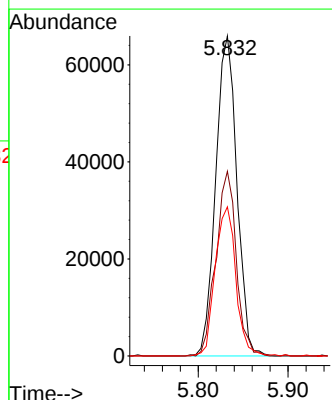
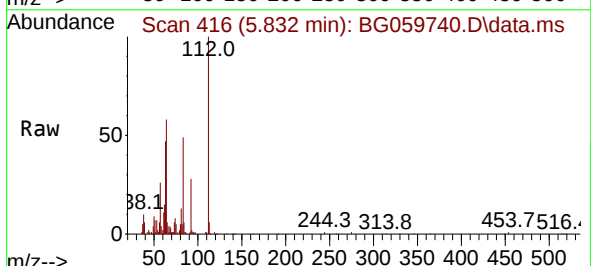
Instrument :
BNA_G
ClientSampleId :

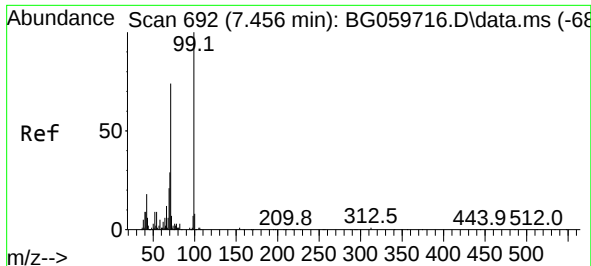
Tgt Ion:152 Resp: 19787
Ion Ratio Lower Upper
152 100
150 146.7 122.2 183.4
115 80.4 54.2 81.4



#5
2-Fluorophenol
Concen: 91.813 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.004 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

Tgt Ion:112 Resp: 107935
Ion Ratio Lower Upper
112 100
64 57.7 49.5 74.3
63 46.6 37.4 56.2

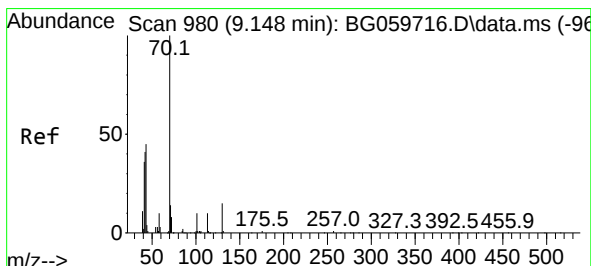
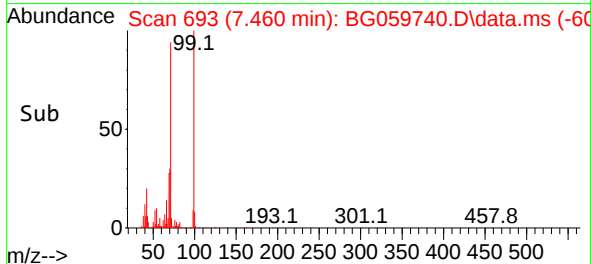
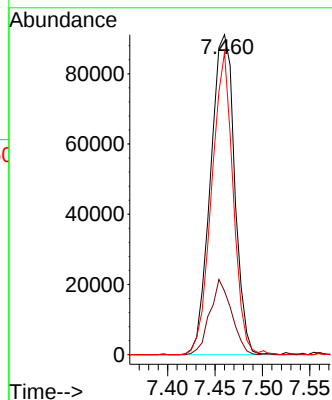
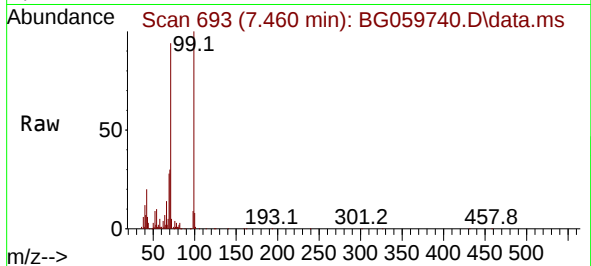




#7
Phenol-d6
Concen: 92.706 ng
RT: 7.460 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

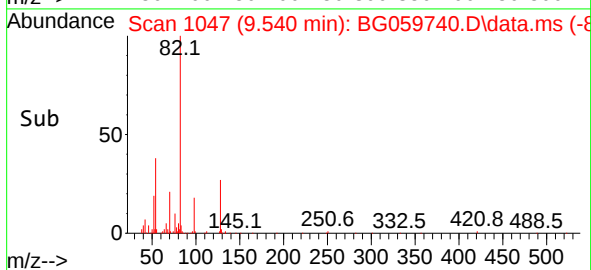
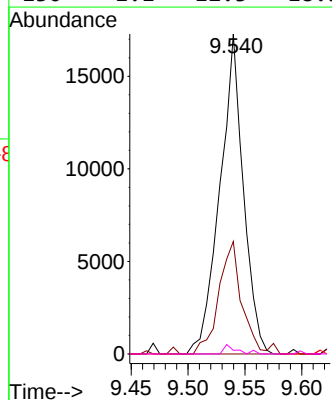
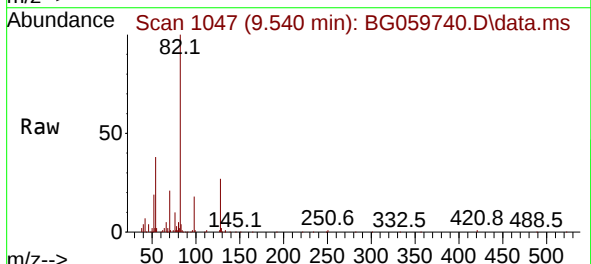
Instrument :
BNA_G
ClientSampleId :

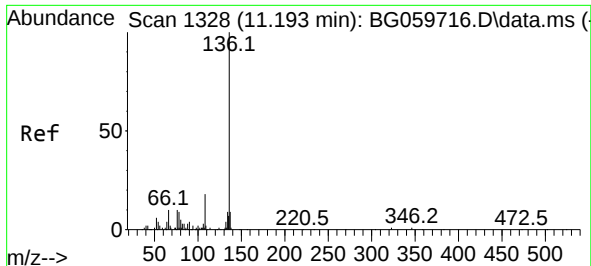
Tgt Ion: 99 Resp: 161506
Ion Ratio Lower Upper
99 100
42 19.8 14.3 21.5
71 94.4 59.3 88.9#



#19
n-Nitroso-di-n-propylamine
Concen: 18.107 ng
RT: 9.540 min Scan# 1047
Delta R.T. 0.392 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

Tgt Ion: 70 Resp: 24841
Ion Ratio Lower Upper
70 100
42 35.1 32.8 49.2
101 0.0 7.7 11.5#
130 1.1 12.3 18.5#

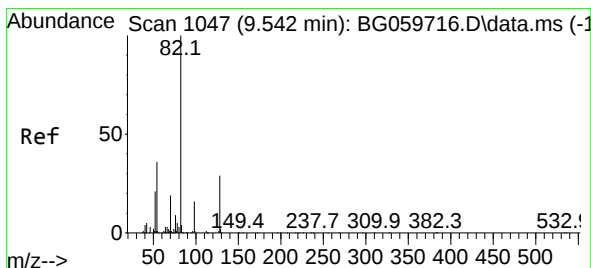
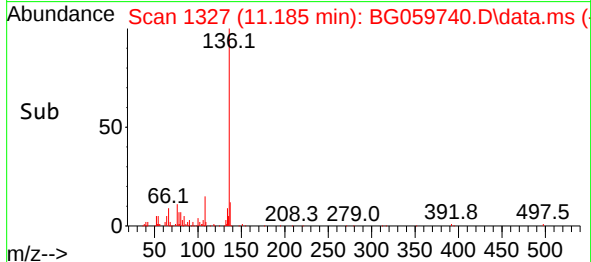
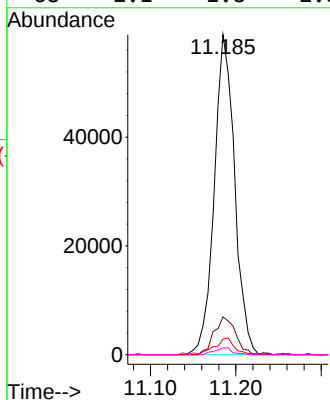
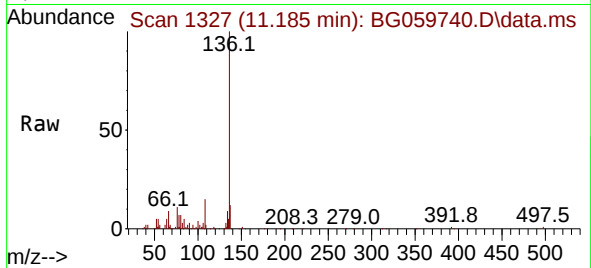




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 111
Delta R.T. -0.008 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

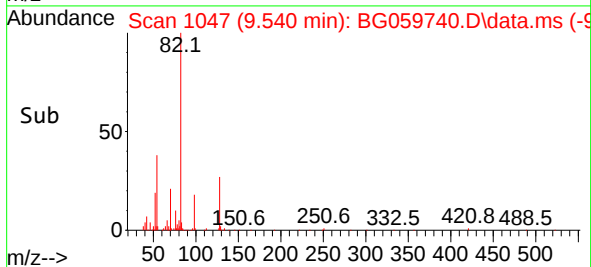
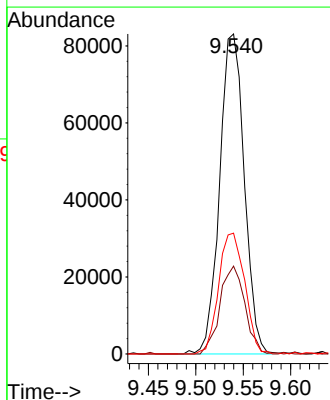
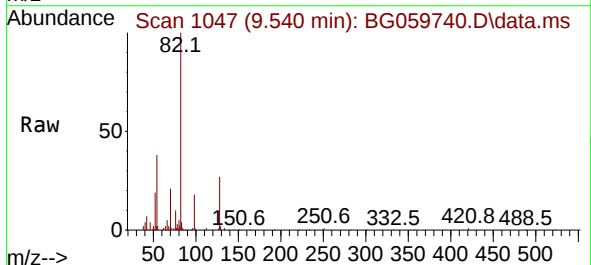
Instrument :
BNA_G
ClientSampleId :

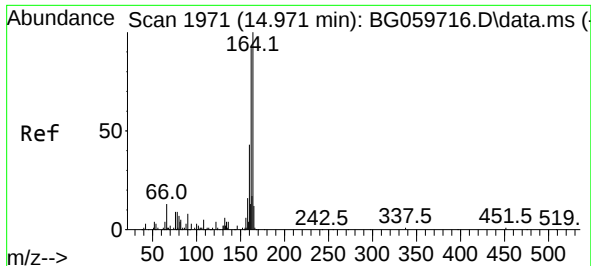
Tgt Ion:136 Resp: 97841
Ion Ratio Lower Upper
136 100
137 11.8 7.4 11.0#
54 4.8 3.1 4.7#
68 2.1 1.8 2.8



#23
Nitrobenzene-d5
Concen: 58.671 ng
RT: 9.540 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

Tgt Ion: 82 Resp: 150304
Ion Ratio Lower Upper
82 100
128 27.5 23.0 34.6
54 37.7 28.7 43.1

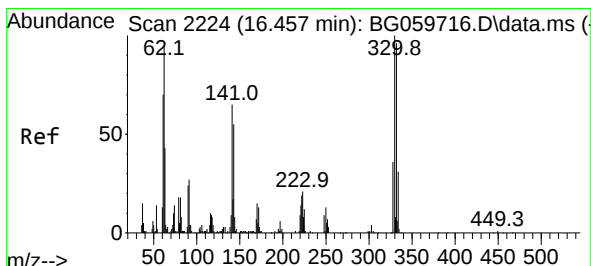
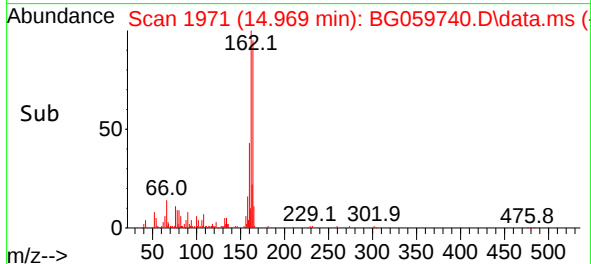
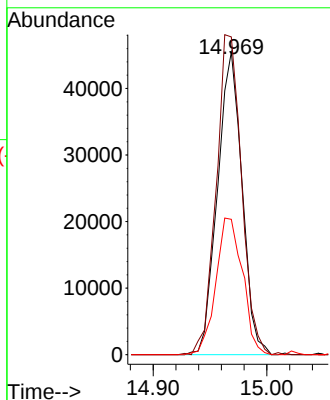
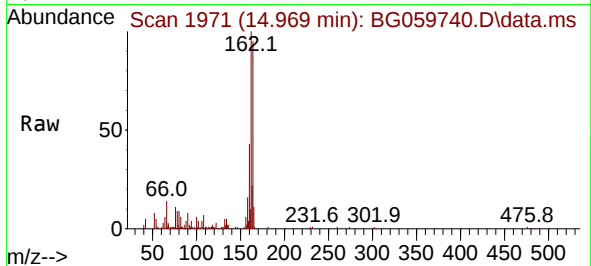




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

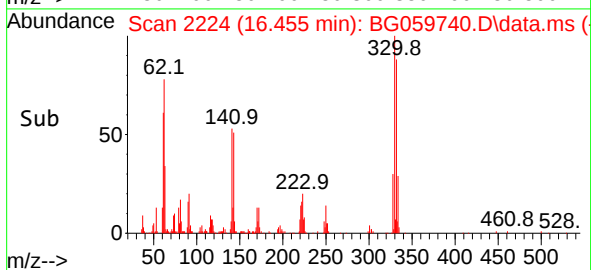
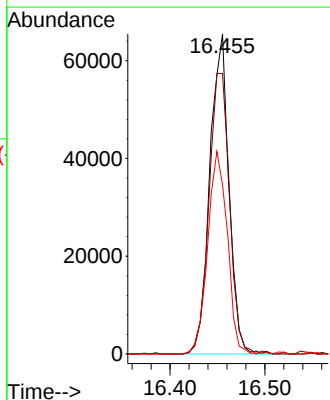
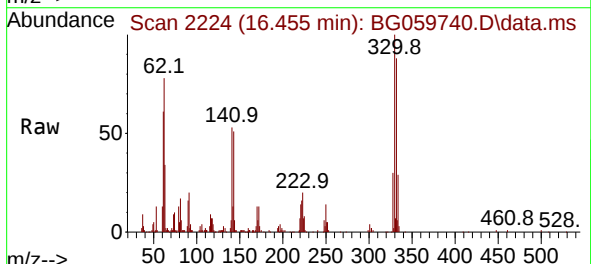
Instrument :
BNA_G
ClientSampleId :

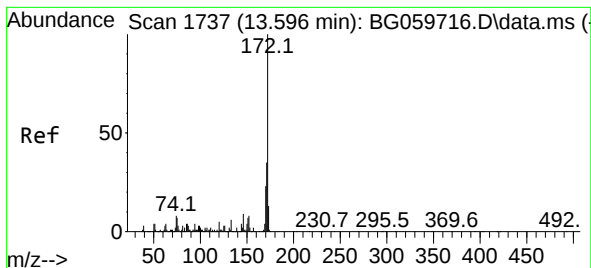
Tgt Ion:164 Resp: 68236
Ion Ratio Lower Upper
164 100
162 104.9 73.3 109.9
160 44.7 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 117.585 ng
RT: 16.455 min Scan# 2224
Delta R.T. -0.002 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

Tgt Ion:330 Resp: 91037
Ion Ratio Lower Upper
330 100
332 95.7 73.3 109.9
141 65.3 52.1 78.1

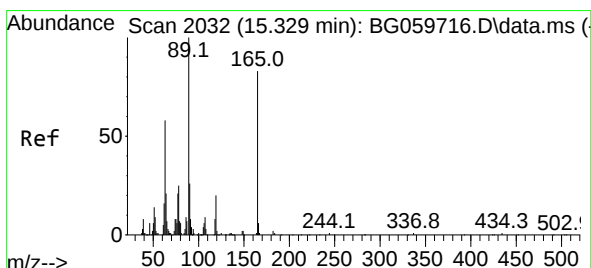
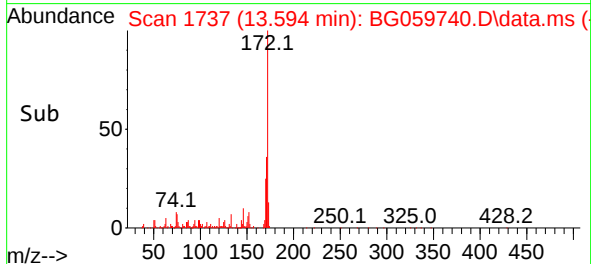
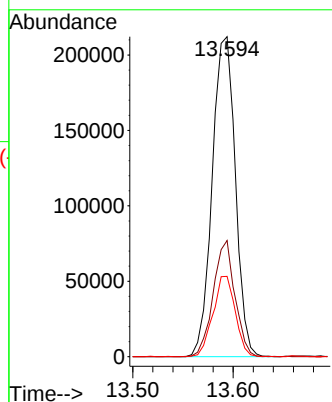
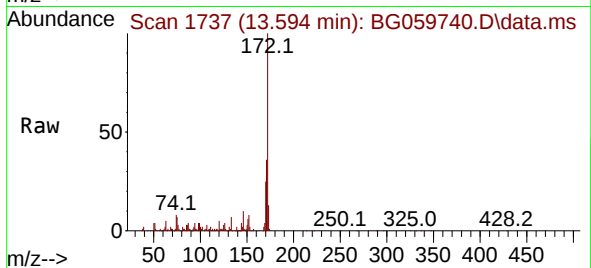




#45
2-Fluorobiphenyl
Concen: 66.908 ng
RT: 13.594 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

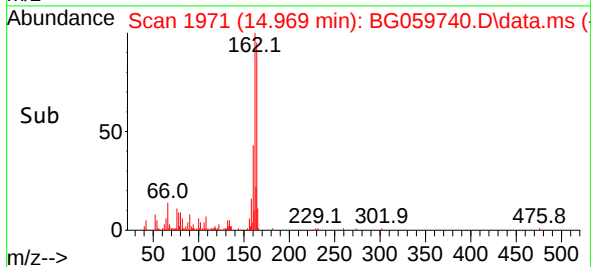
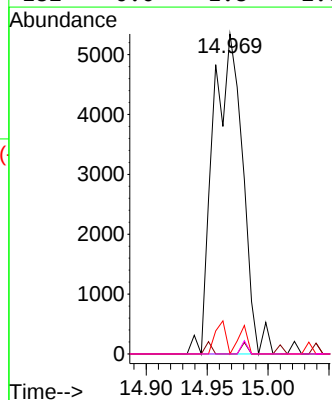
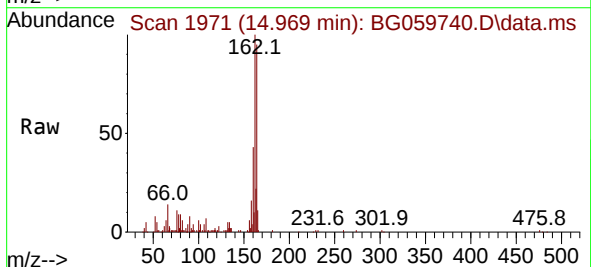
Instrument :
BNA_G
ClientSampleId :

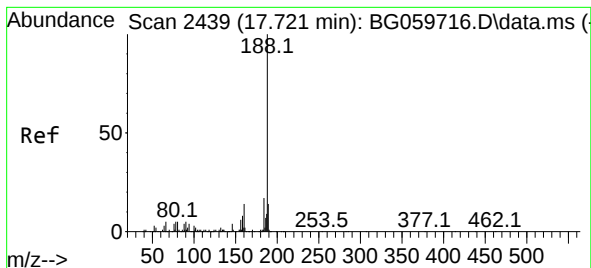
Tgt Ion:172 Resp: 339180
Ion Ratio Lower Upper
172 100
171 36.3 27.7 41.5
170 25.1 18.4 27.6



#57
2,4-Dinitrotoluene
Concen: 5.859 ng
RT: 14.969 min Scan# 1971
Delta R.T. -0.361 min
Lab File: BG059740.D
Acq: 17 Nov 2023 21:34

Tgt Ion:165 Resp: 9039
Ion Ratio Lower Upper
165 100
63 0.0 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: 17.718 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG059740.D

Acq: 17 Nov 2023 21:34

Instrument :

BNA_G

ClientSampleId :

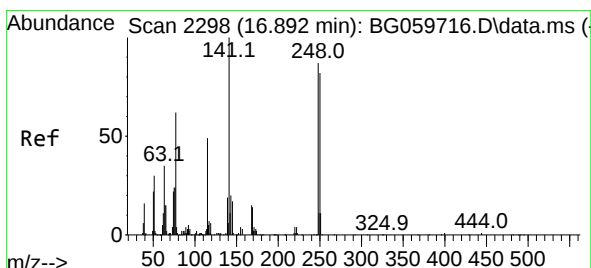
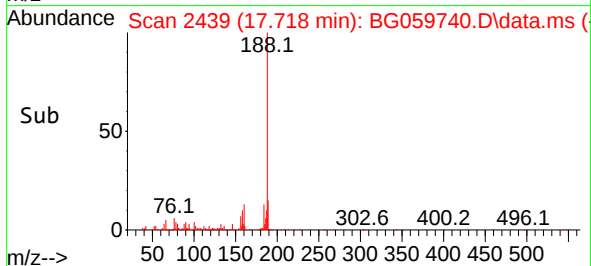
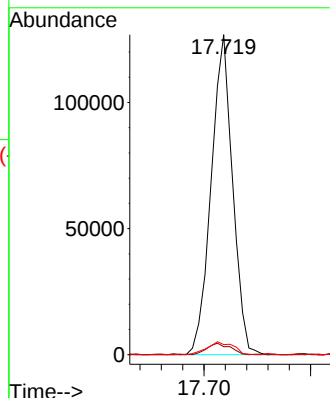
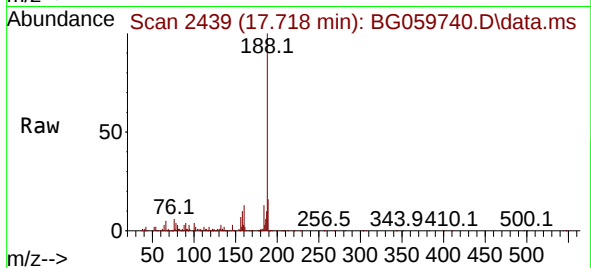
Tgt Ion:188 Resp: 177189

Ion Ratio Lower Upper

188 100

94 2.5 3.0 4.4#

80 3.2 4.2 6.4#



#67

4-Bromophenyl-phenylether

Concen: 3.677 ng

RT: 16.444 min Scan# 2222

Delta R.T. -0.449 min

Lab File: BG059740.D

Acq: 17 Nov 2023 21:34

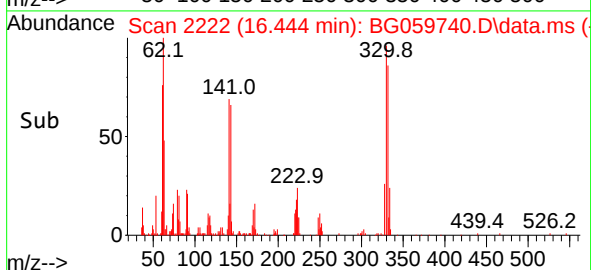
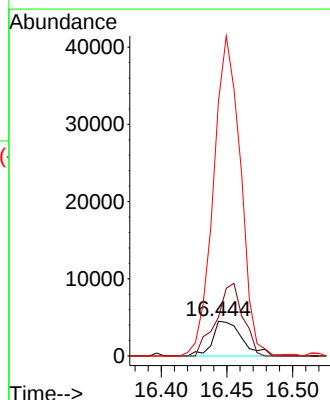
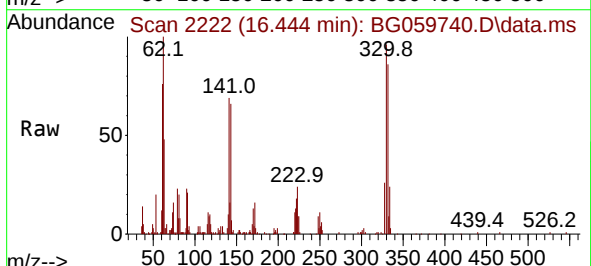
Tgt Ion:248 Resp: 6999

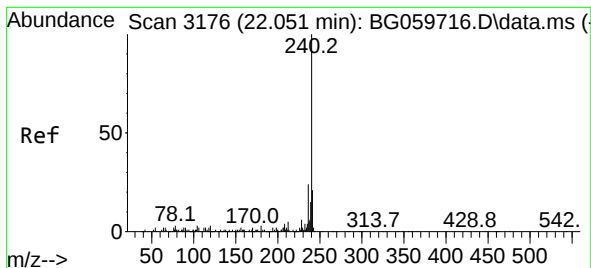
Ion Ratio Lower Upper

248 100

250 111.2 75.2 112.8

141 732.1 91.5 137.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.043 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG059740.D

Acq: 17 Nov 2023 21:34

Instrument :

BNA_G

ClientSampleId :

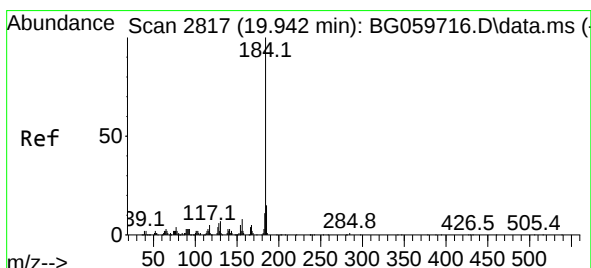
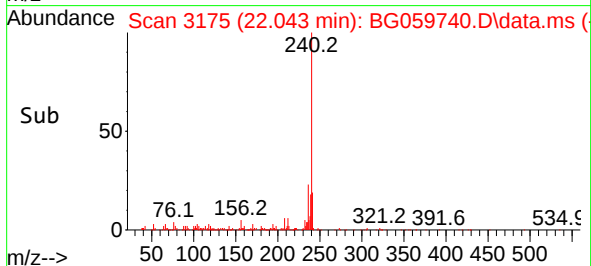
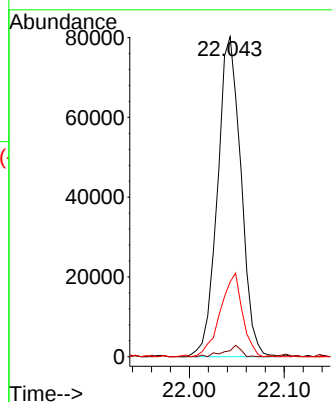
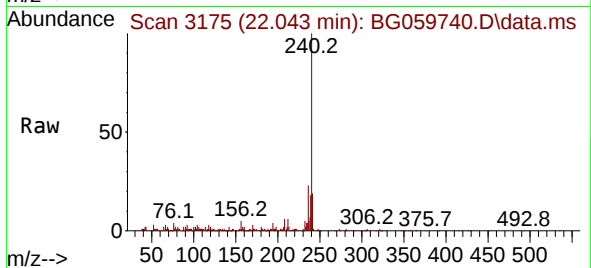
Tgt Ion:240 Resp: 137865

Ion Ratio Lower Upper

240 100

120 2.2 2.2 3.2

236 23.4 19.4 29.2



#77

Benzidine

Concen: 6.105 ng

RT: 20.292 min Scan# 2877

Delta R.T. 0.350 min

Lab File: BG059740.D

Acq: 17 Nov 2023 21:34

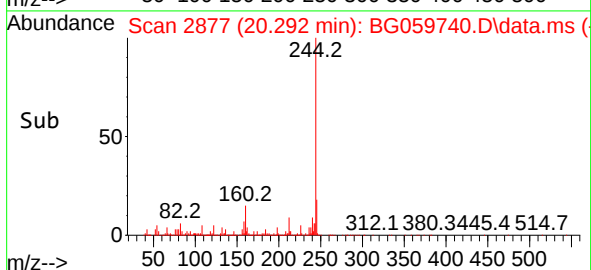
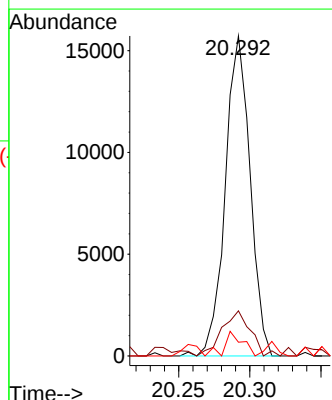
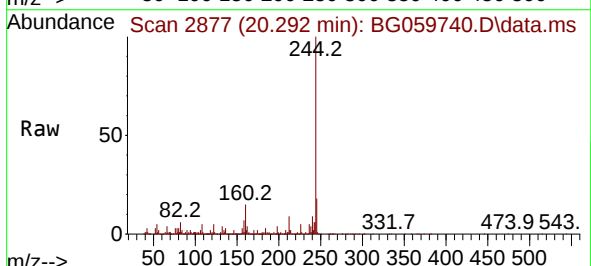
Tgt Ion:184 Resp: 19086

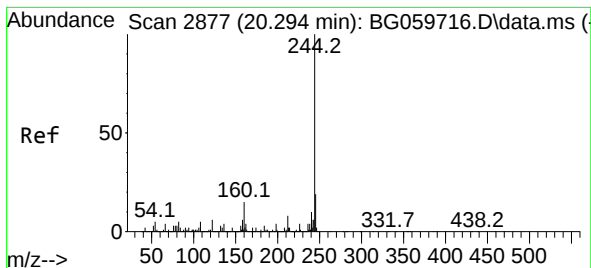
Ion Ratio Lower Upper

184 100

185 14.1 12.2 18.2

183 4.3 8.8 13.2#





#79

Terphenyl-d14

Concen: 61.474 ng

RT: 20.292 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059740.D

Acq: 17 Nov 2023 21:34

Instrument :

BNA_G

ClientSampleId :

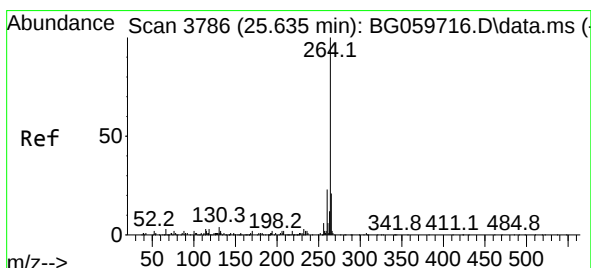
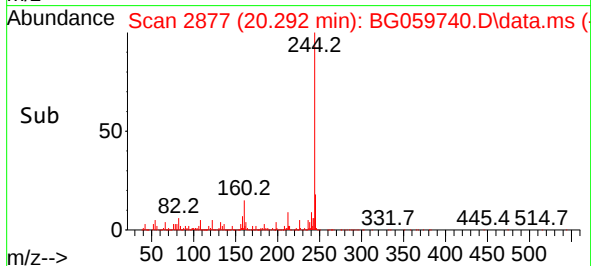
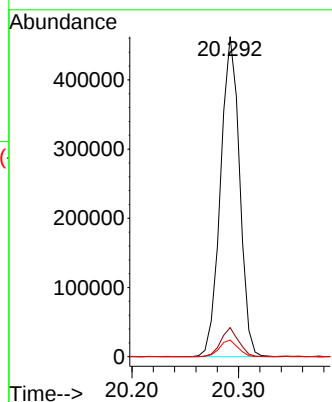
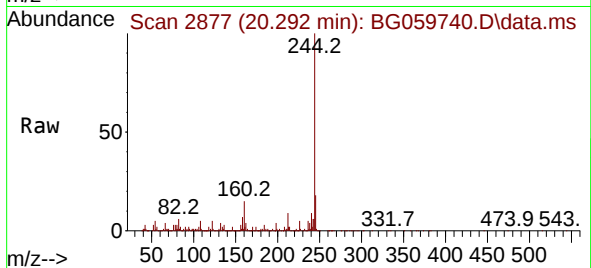
Tgt Ion:244 Resp: 574099

Ion Ratio Lower Upper

244 100

212 9.1 6.6 10.0

122 5.2 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.621 min Scan# 3784

Delta R.T. -0.014 min

Lab File: BG059740.D

Acq: 17 Nov 2023 21:34

Tgt Ion:264 Resp: 180844

Ion Ratio Lower Upper

264 100

260 20.2 18.5 27.7

265 23.0 17.0 25.6

