

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111523\
 Data File : BG059703.D
 Acq On : 15 Nov 2023 17:04
 Operator : MA/JU
 Sample : 05256-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1RE

Quant Time: Nov 15 17:56:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 08:14:53 2023
 Response via : Initial Calibration

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

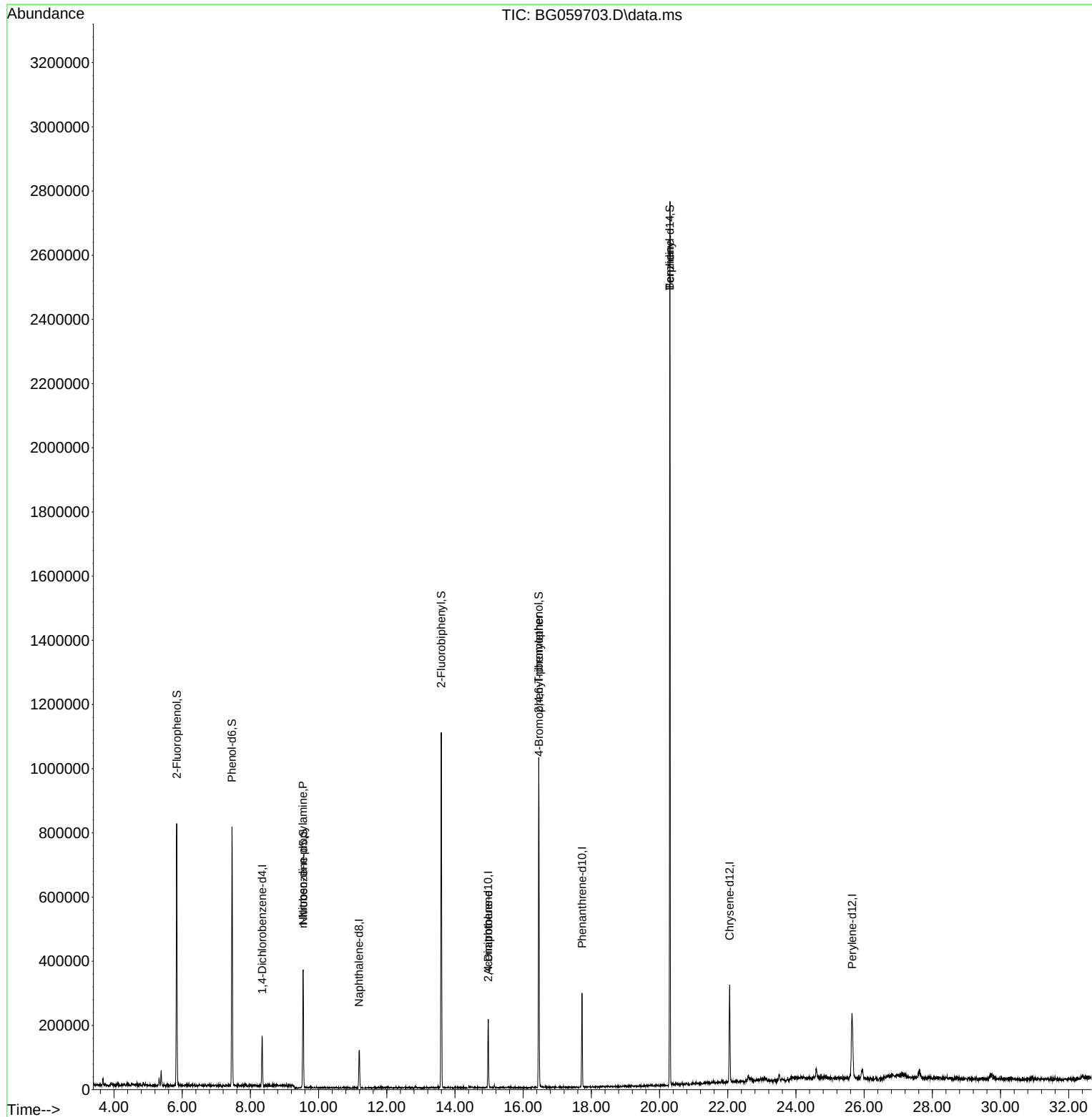
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.349	152	31825	20.000	ng	0.00
21) Naphthalene-d8	11.186	136	89127	20.000	ng	# 0.00
39) Acenaphthene-d10	14.976	164	67054	20.000	ng	0.00
64) Phenanthrene-d10	17.726	188	160220	20.000	ng	# 0.00
76) Chrysene-d12	22.056	240	181092	20.000	ng	# 0.00
86) Perylene-d12	25.646	264	252229	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.840	112	280669	152.255	ng	0.00
7) Phenol-d6	7.461	99	349012	125.281	ng	0.00
23) Nitrobenzene-d5	9.547	82	231889	111.849	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	125628	166.012	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	482975	97.109	ng	0.00
79) Terphenyl-d14	20.305	244	1095073	124.763	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.672	88	112	Below Cal	#	1
3) Pyridine	4.095	79	240	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	9.541	70	35020	16.318	ng	# 76
57) 2,4-Dinitrotoluene	14.970	165	7597	5.242	ng	# 7
67) 4-Bromophenyl-phenylether	16.463	248	9218	5.469	ng	# 1
77) Benzidine	20.305	184	32539	10.634	ng	# 87
78) Pyrene	20.094	202	219	Below Cal	#	58

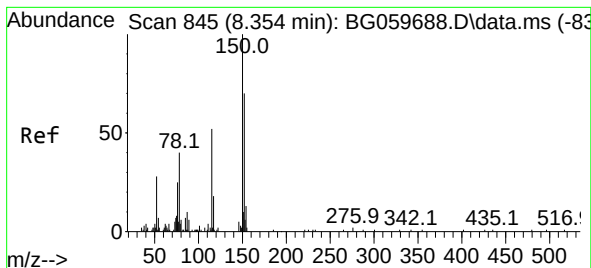
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 15 08:14:53 2023
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.349 min Scan# 84

Delta R.T. -0.005 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

Instrument :

BNA_G

ClientSampleId :

WC-1RE

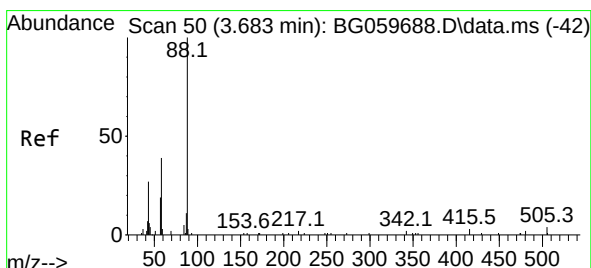
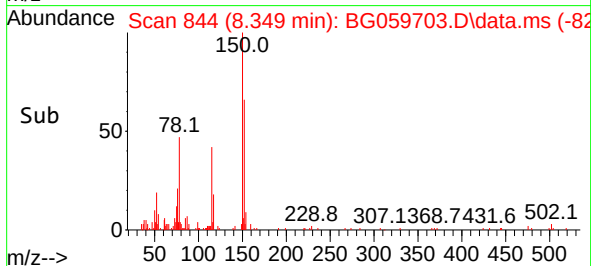
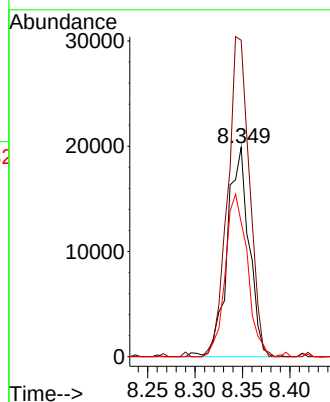
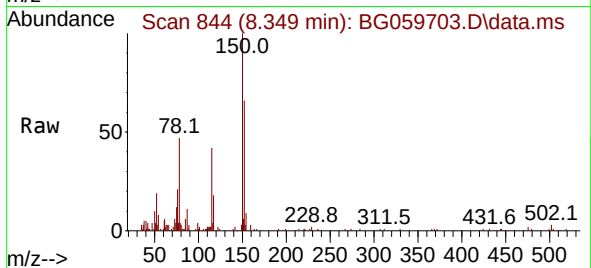
Tgt Ion:152 Resp: 31825

Ion Ratio Lower Upper

152 100

150 151.3 113.9 170.9

115 64.1 59.4 89.2



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.672 min Scan# 48

Delta R.T. -0.011 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

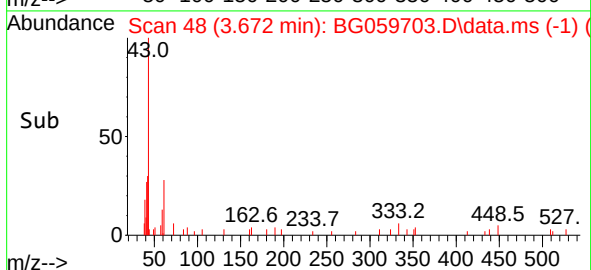
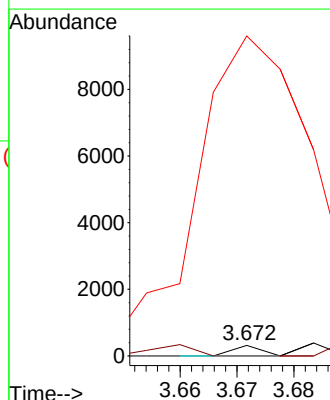
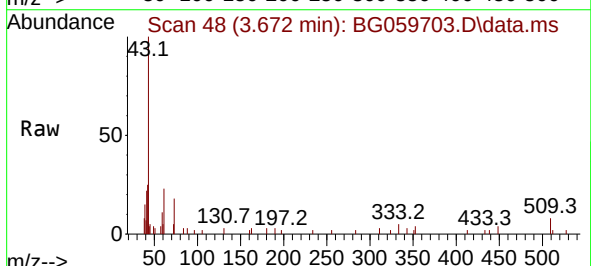
Tgt Ion: 88 Resp: 112

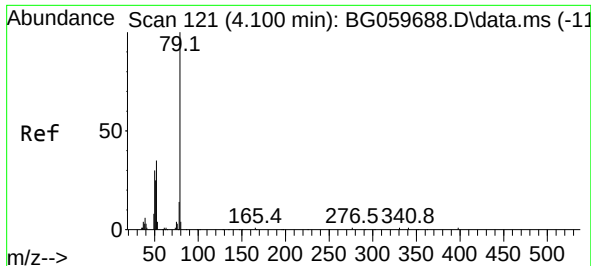
Ion Ratio Lower Upper

88 100

58 147.3 30.5 45.7#

43 11282.1 17.7 26.5#





#3

Pyridine

Concen: Below Cal

RT: 4.095 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

Instrument :

BNA_G

ClientSampleId :

WC-1RE

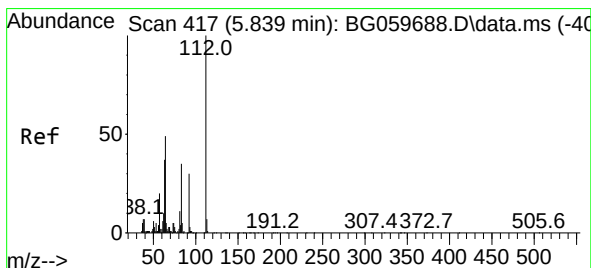
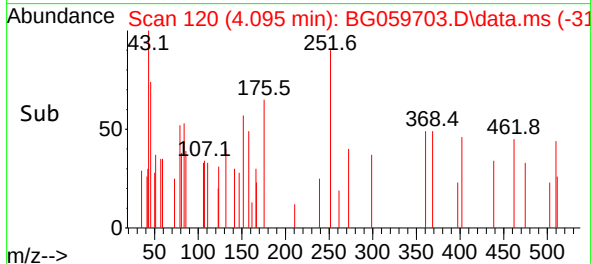
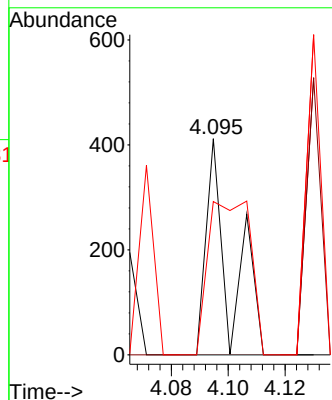
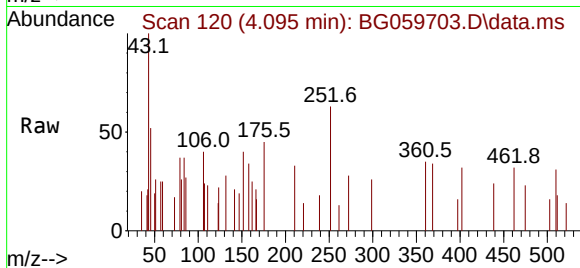
Tgt Ion: 79 Resp: 240

Ion Ratio Lower Upper

79 100

52 0.0 27.8 41.8#

51 70.9 20.2 30.2#



#5

2-Fluorophenol

Concen: 152.255 ng

RT: 5.840 min Scan# 417

Delta R.T. 0.000 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

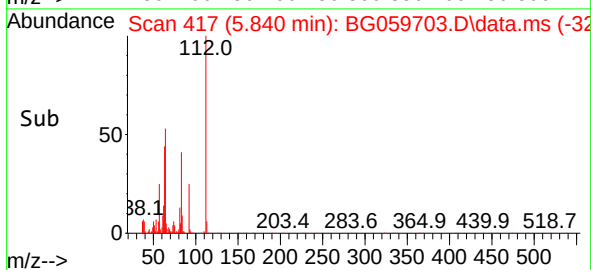
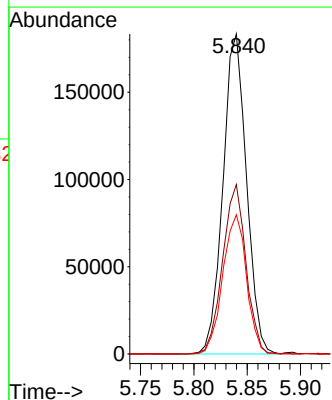
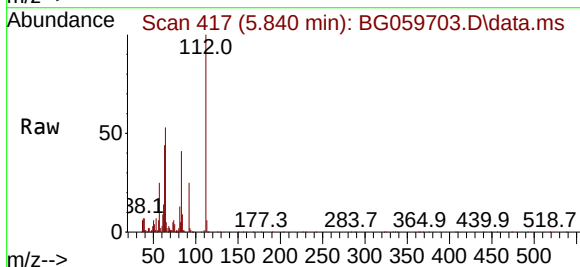
Tgt Ion:112 Resp: 280669

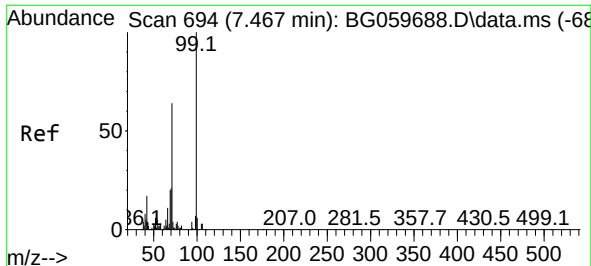
Ion Ratio Lower Upper

112 100

64 52.9 39.0 58.6

63 43.5 29.8 44.6

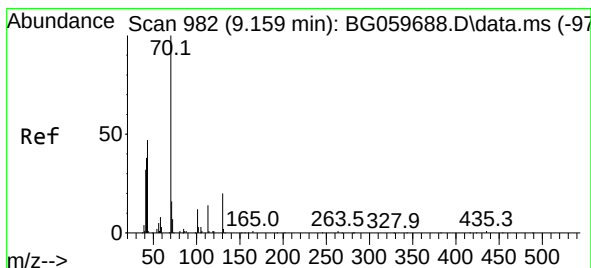
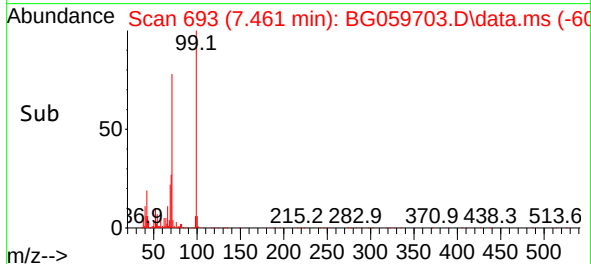
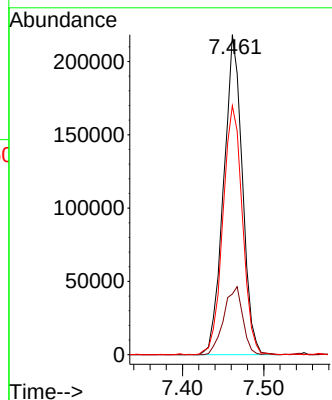
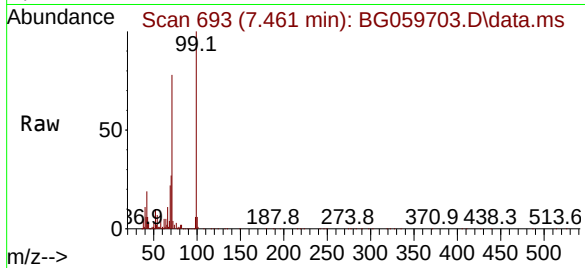




#7
Phenol-d6
Concen: 125.281 ng
RT: 7.461 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

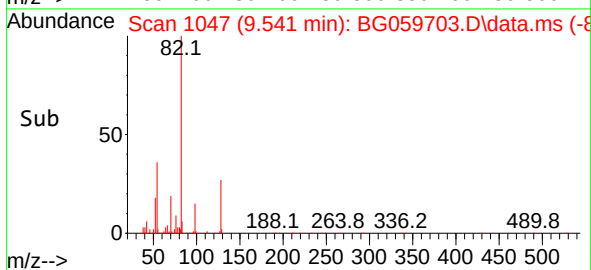
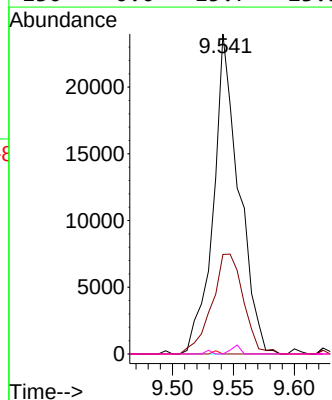
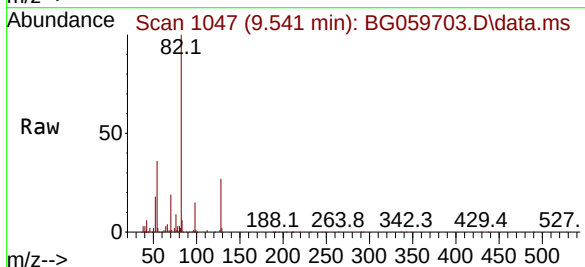
Instrument :
BNA_G
ClientSampleId :
WC-1RE

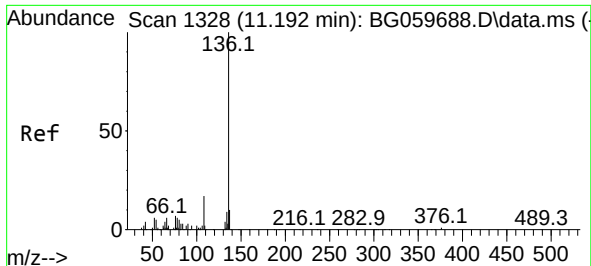
Tgt Ion: 99 Resp: 349012
Ion Ratio Lower Upper
99 100
42 19.0 13.2 19.8
71 77.8 51.3 76.9#



#19
n-Nitroso-di-n-propylamine
Concen: 16.318 ng
RT: 9.541 min Scan# 1047
Delta R.T. 0.382 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

Tgt Ion: 70 Resp: 35020
Ion Ratio Lower Upper
70 100
42 31.1 30.8 46.2
101 0.0 9.4 14.2#
130 0.0 15.7 23.5#

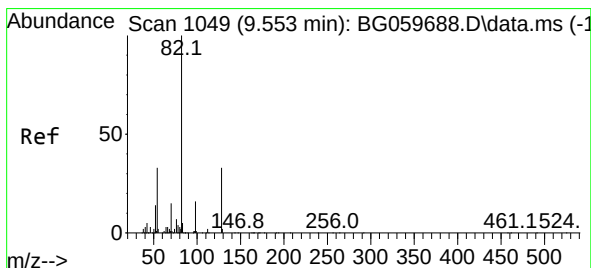
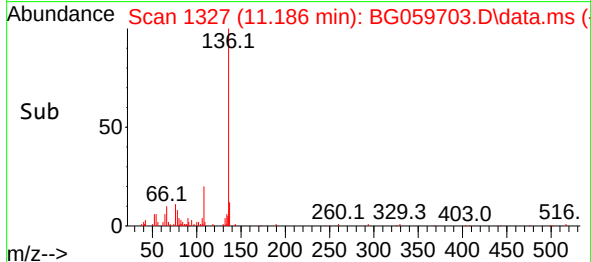
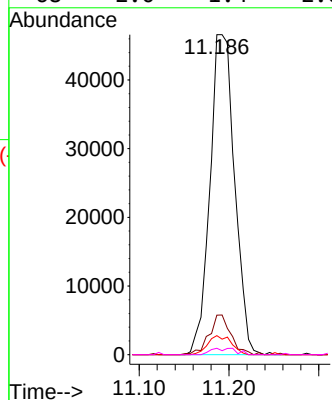
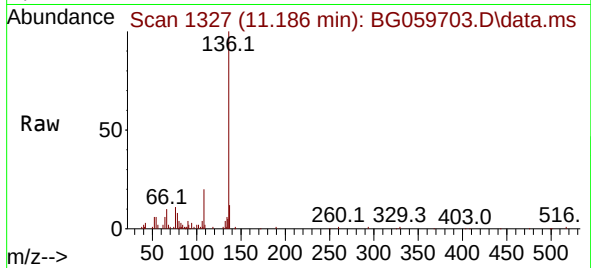




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.186 min Scan# 111
Delta R.T. -0.006 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

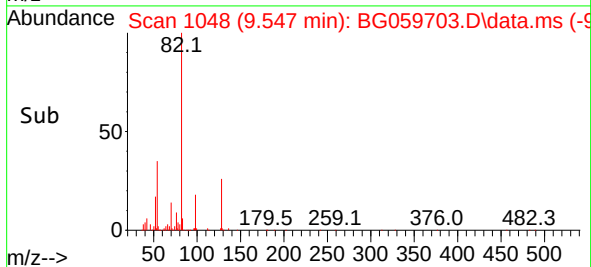
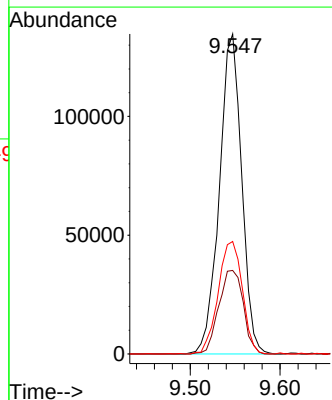
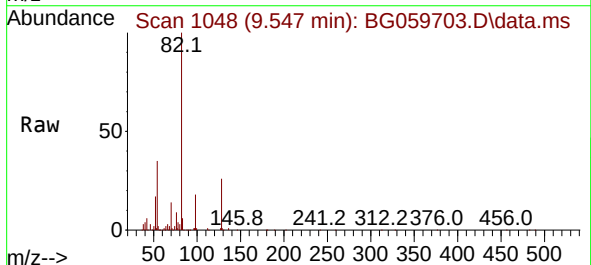
Instrument :
BNA_G
ClientSampleId :
WC-1RE

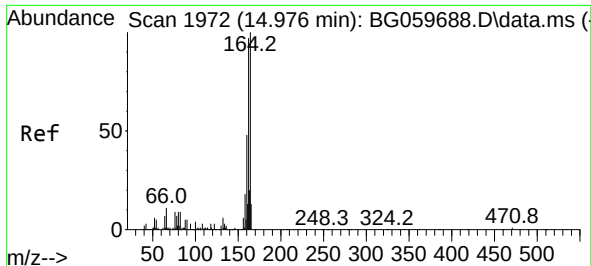
Tgt Ion:136 Resp: 89127
Ion Ratio Lower Upper
136 100
137 12.4 7.7 11.5#
54 6.0 4.2 6.2
68 2.0 1.4 2.0



#23
Nitrobenzene-d5
Concen: 111.849 ng
RT: 9.547 min Scan# 1048
Delta R.T. -0.005 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

Tgt Ion: 82 Resp: 231889
Ion Ratio Lower Upper
82 100
128 26.1 26.3 39.5#
54 35.2 26.6 39.8

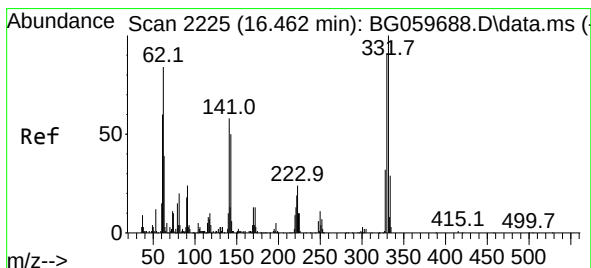
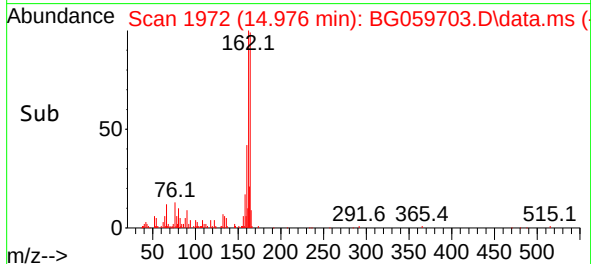
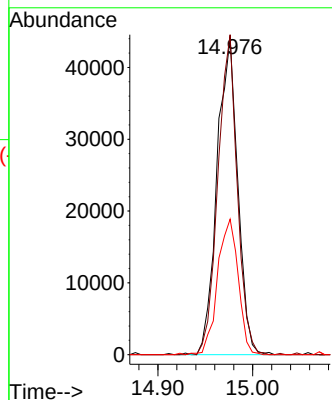
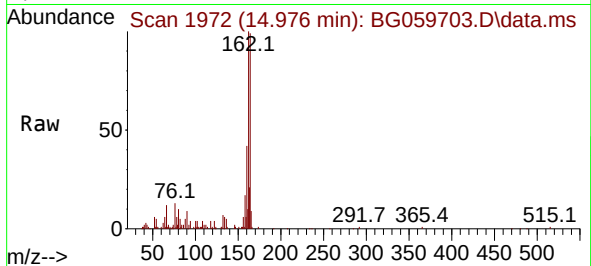




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.976 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

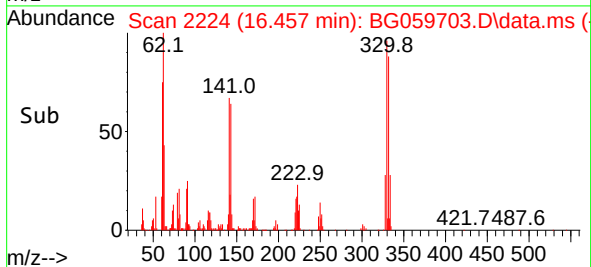
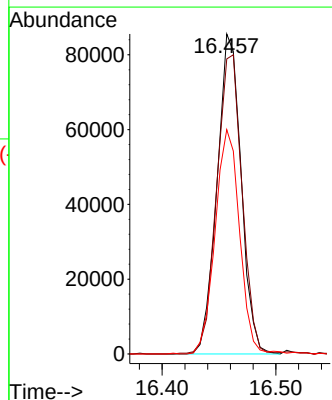
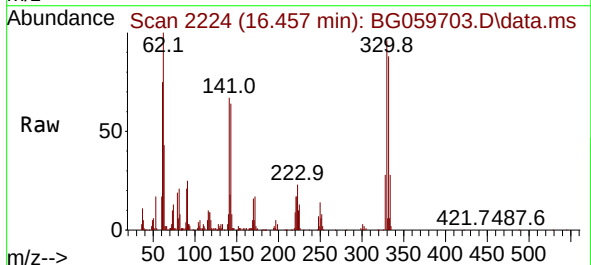
Instrument :
BNA_G
ClientSampleId :
WC-1RE

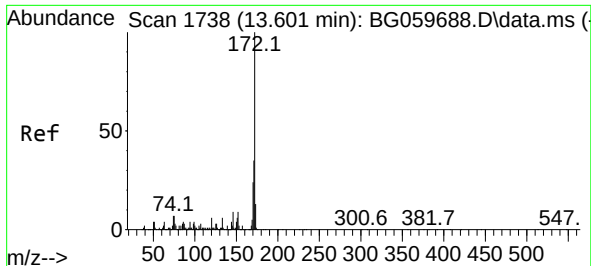
Tgt Ion:164 Resp: 67054
Ion Ratio Lower Upper
164 100
162 100.8 77.8 116.6
160 42.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 166.012 ng
RT: 16.457 min Scan# 2224
Delta R.T. -0.006 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

Tgt Ion:330 Resp: 125628
Ion Ratio Lower Upper
330 100
332 98.3 80.7 121.1
141 71.7 51.0 76.6

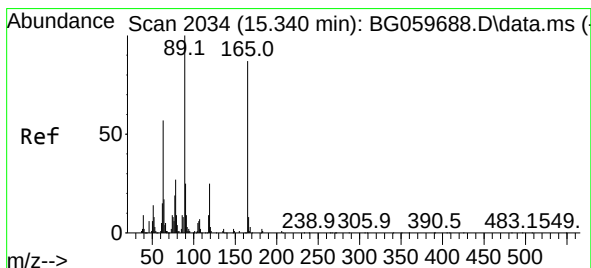
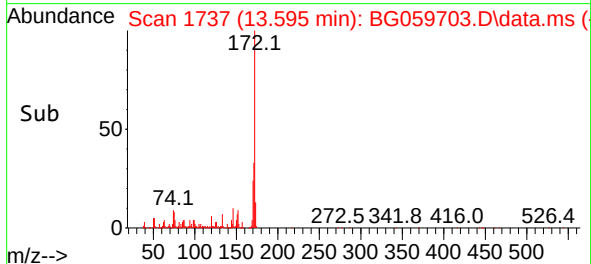
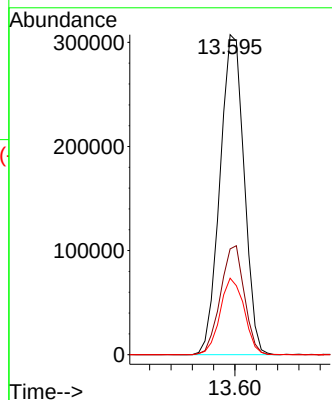
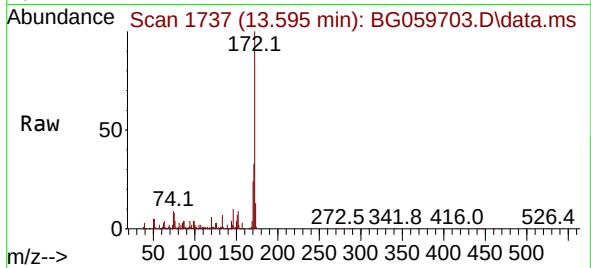




#45
2-Fluorobiphenyl
Concen: 97.109 ng
RT: 13.595 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

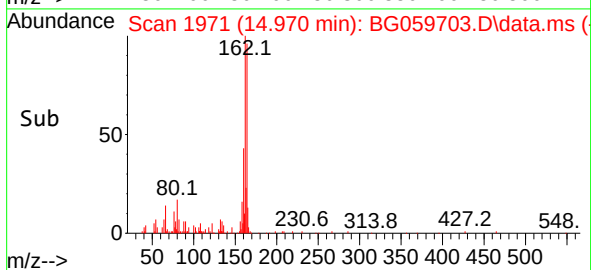
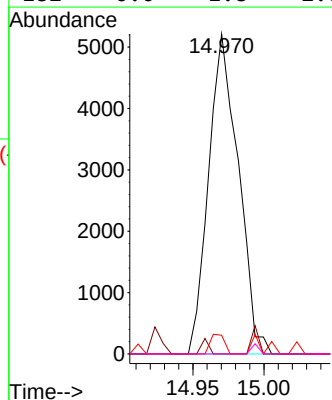
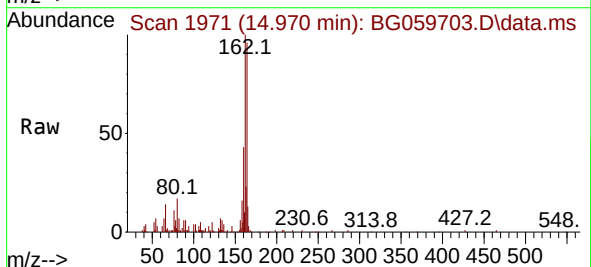
Instrument :
BNA_G
ClientSampleId :
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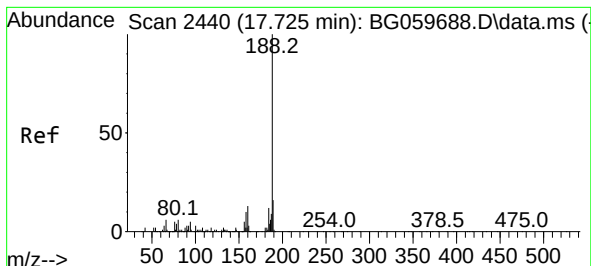
Tgt Ion:172 Resp: 482975
Ion Ratio Lower Upper
172 100
171 33.0 27.9 41.9
170 23.9 19.0 28.4



#57
2,4-Dinitrotoluene
Concen: 5.242 ng
RT: 14.970 min Scan# 1971
Delta R.T. -0.370 min
Lab File: BG059703.D
Acq: 15 Nov 2023 17:04

Tgt Ion:165 Resp: 7597
Ion Ratio Lower Upper
165 100
63 0.0 52.2 78.2#
89 5.9 91.8 137.6#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.726 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

Instrument :

BNA_G

ClientSampleId :

WC-1RE

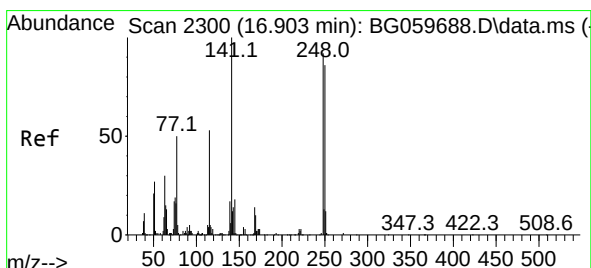
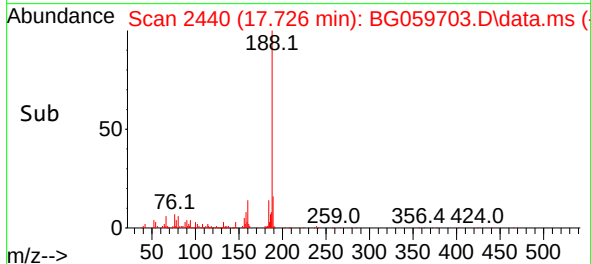
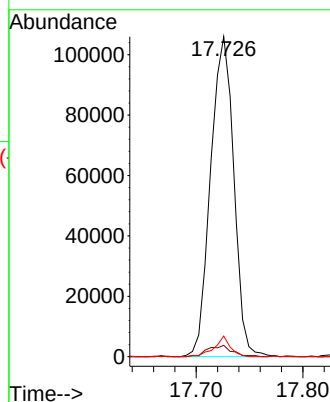
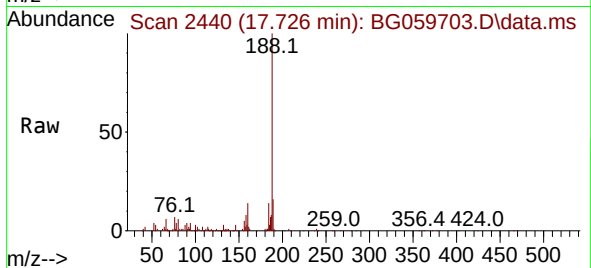
Tgt Ion:188 Resp: 160220

Ion Ratio Lower Upper

188 100

94 3.6 3.9 5.9#

80 6.5 4.5 6.7



#67

4-Bromophenyl-phenylether

Concen: 5.469 ng

RT: 16.463 min Scan# 2225

Delta R.T. -0.440 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

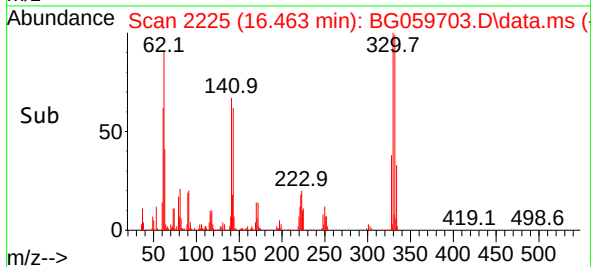
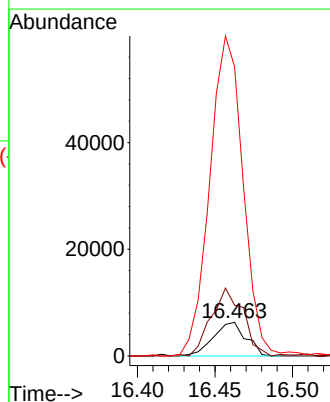
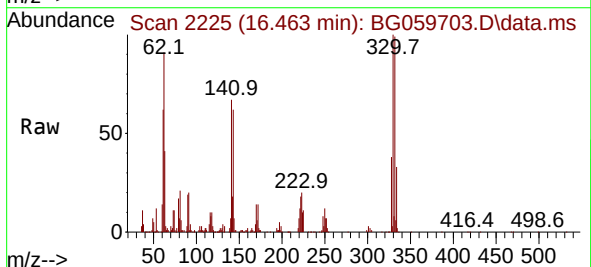
Tgt Ion:248 Resp: 9218

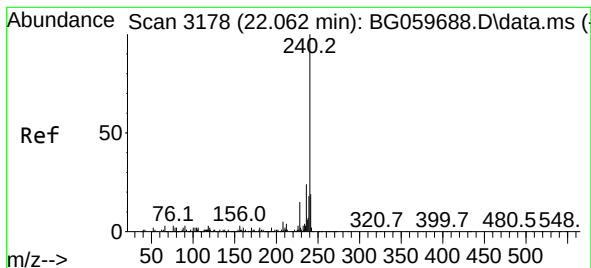
Ion Ratio Lower Upper

248 100

250 151.0 74.5 111.7#

141 862.3 86.6 129.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

Instrument :

BNA_G

ClientSampleId :

WC-1RE

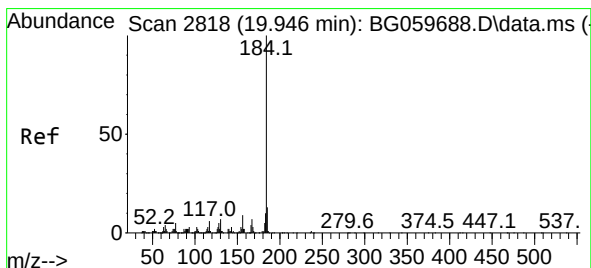
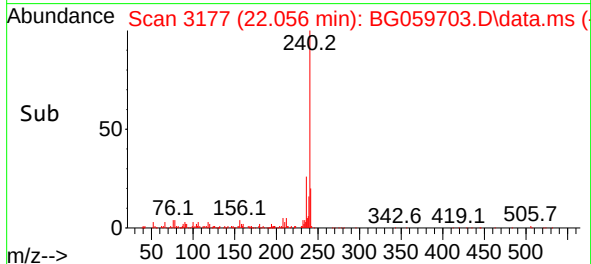
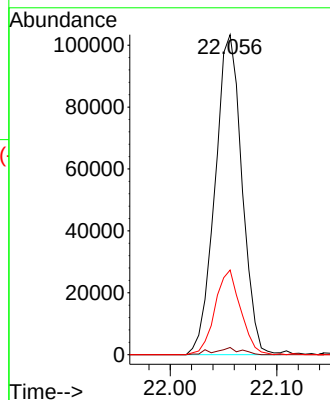
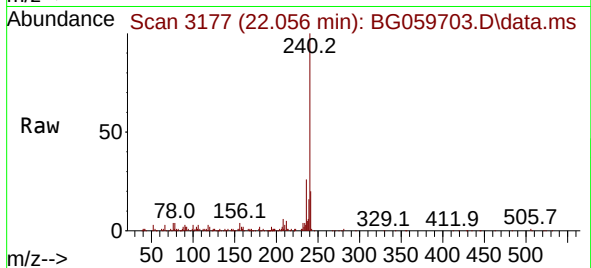
Tgt Ion:240 Resp: 181092

Ion Ratio Lower Upper

240 100

120 2.2 2.6 3.8#

236 26.5 19.4 29.0



#77

Benzidine

Concen: 10.634 ng

RT: 20.305 min Scan# 2879

Delta R.T. 0.359 min

Lab File: BG059703.D

Acq: 15 Nov 2023 17:04

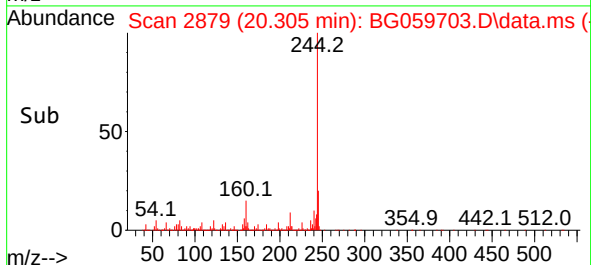
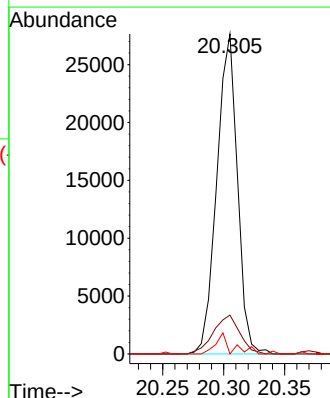
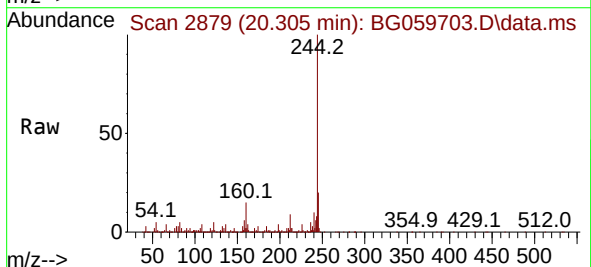
Tgt Ion:184 Resp: 32539

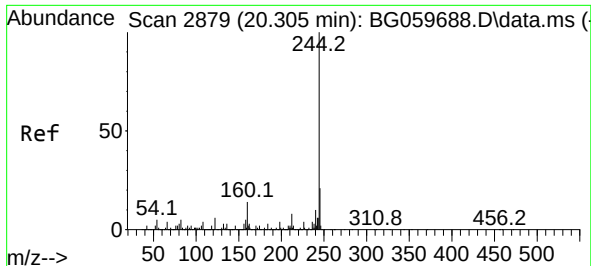
Ion Ratio Lower Upper

184 100

185 12.1 10.7 16.1

183 0.0 7.8 11.6#

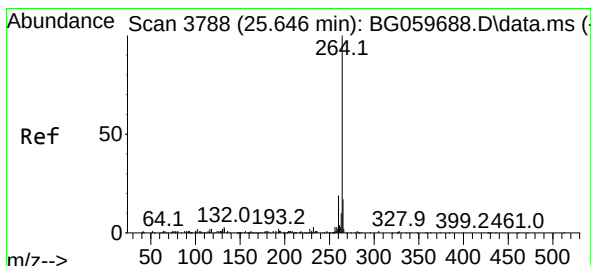
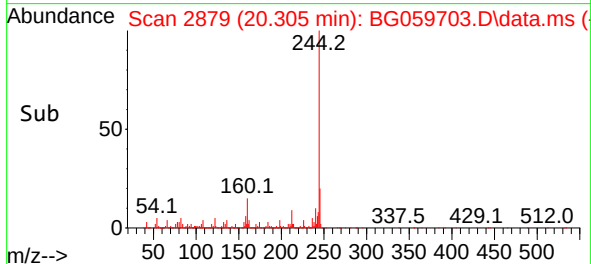
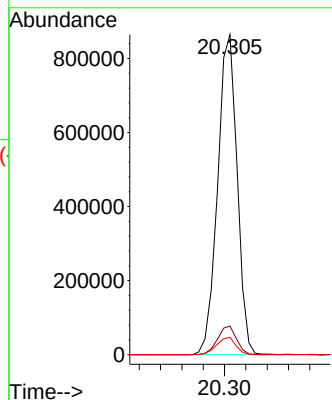
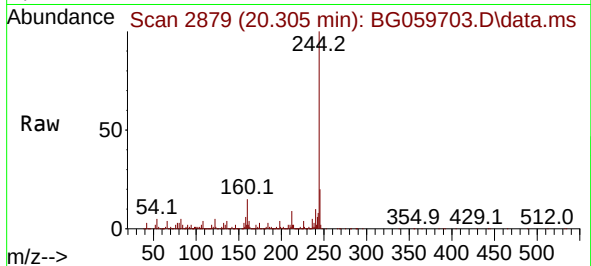




#79
 Terphenyl-d14
 Concen: 124.763 ng
 RT: 20.305 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG059703.D
 Acq: 15 Nov 2023 17:04

Instrument :
 BNA_G
 ClientSampleId :
 WC-1RE

Tgt Ion:244 Resp: 1095073
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.6 9.8
 122 5.5 4.6 6.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.646 min Scan# 3788
 Delta R.T. 0.000 min
 Lab File: BG059703.D
 Acq: 15 Nov 2023 17:04

Tgt Ion:264 Resp: 252229
 Ion Ratio Lower Upper
 264 100
 260 24.7 15.6 23.4#
 265 21.7 13.4 20.2#

