

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
 Data File : BG059902.D
 Acq On : 27 Nov 2023 14:53
 Operator : MA/JU
 Sample : 05425-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 O-6(15-20)

Quant Time: Nov 27 16:00:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 13:17:45 2023
 Response via : Initial Calibration

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

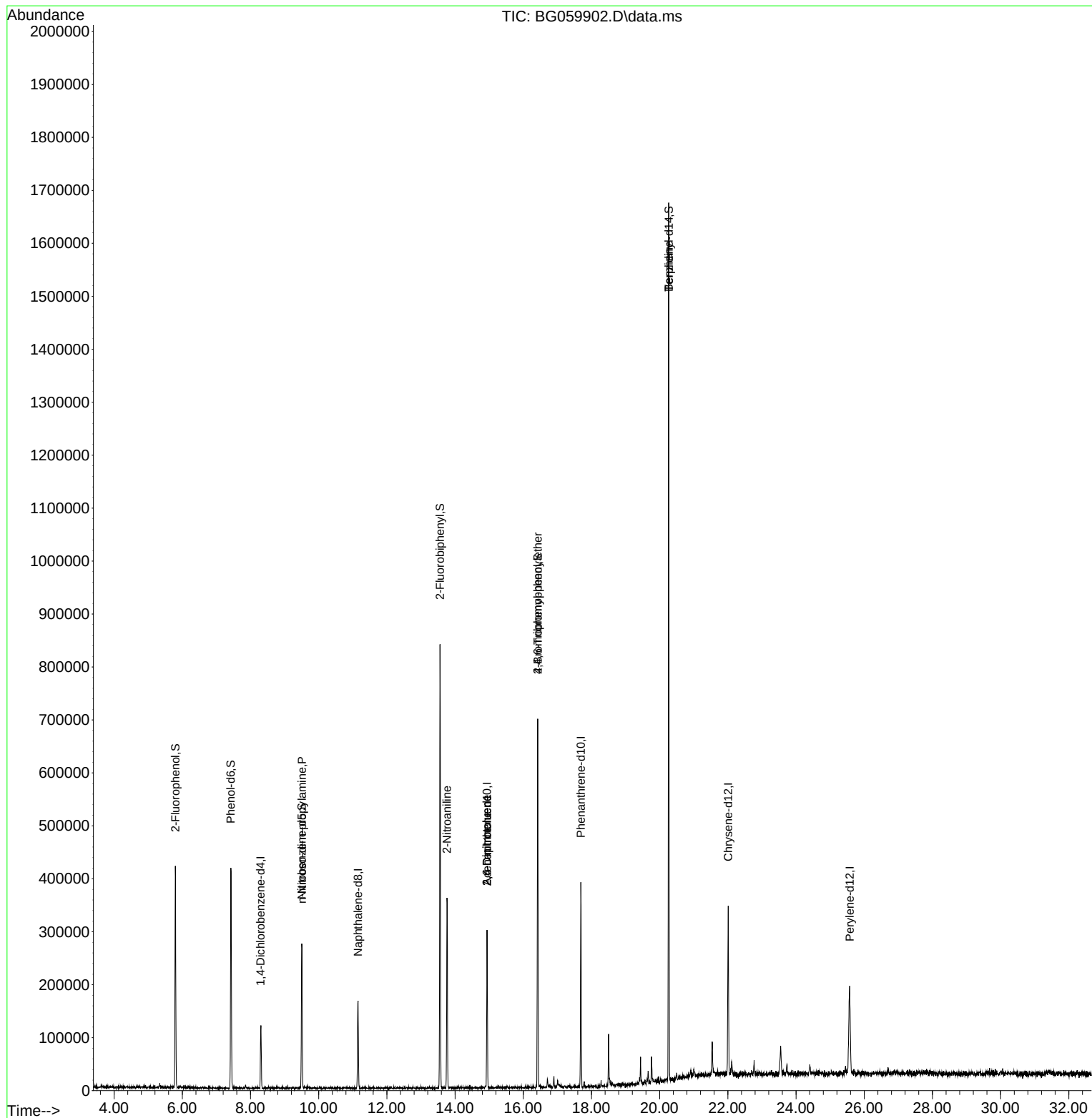
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.300	152	26690	20.000	ng	-0.01
21) Naphthalene-d8	11.155	136	121421	20.000	ng	# 0.00
39) Acenaphthene-d10	14.939	164	87638	20.000	ng	# 0.00
64) Phenanthrene-d10	17.689	188	208073	20.000	ng	0.00
76) Chrysene-d12	22.013	240	180430	20.000	ng	# 0.00
86) Perylene-d12	25.574	264	191493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.803	112	151759	95.703	ng	0.00
7) Phenol-d6	7.424	99	197230	83.931	ng	0.00
23) Nitrobenzene-d5	9.504	82	169567	53.336	ng	0.00
42) 2,4,6-Tribromophenol	16.426	330	95009	95.548	ng	0.00
45) 2-Fluorobiphenyl	13.558	172	364183	55.935	ng	0.00
79) Terphenyl-d14	20.268	244	691213	56.554	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.510	70	26943	14.560	ng	# 71
48) 2-Nitroaniline	13.764	65	10649	6.310	ng	# 18
51) 2,6-Dinitrotoluene	14.939	165	11050	8.577	ng	# 1
57) 2,4-Dinitrotoluene	14.939	165	11050	5.577	ng	# 5
67) 4-Bromophenyl-phenylether	16.426	248	6370	2.850	ng	# 1
77) Benzidine	20.268	184	21959	5.367	ng	# 94

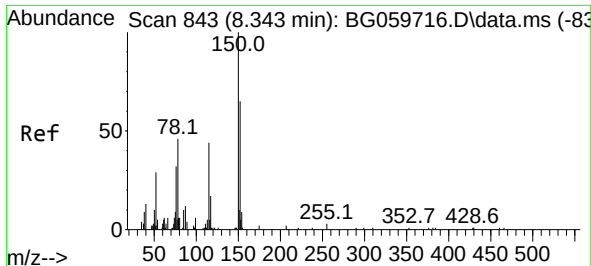
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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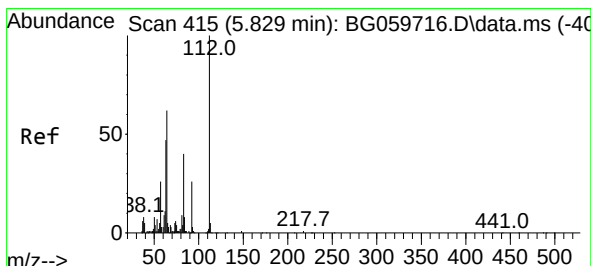
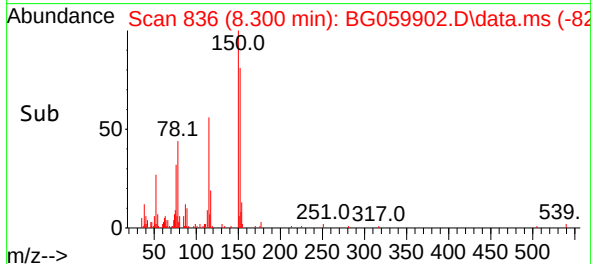
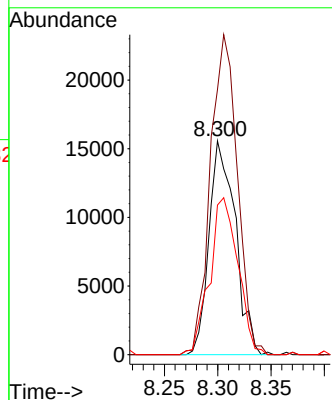
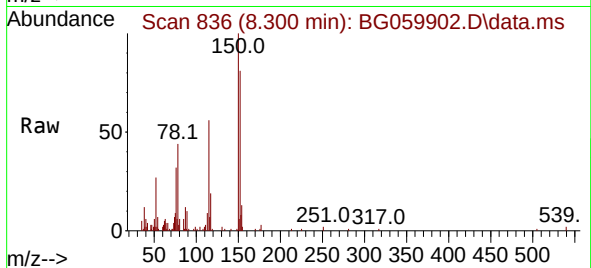




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.300 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BG059902.D
 Acq: 27 Nov 2023 14:53

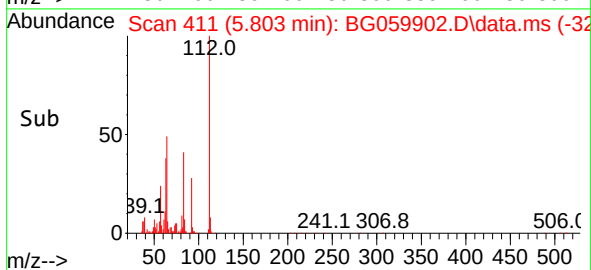
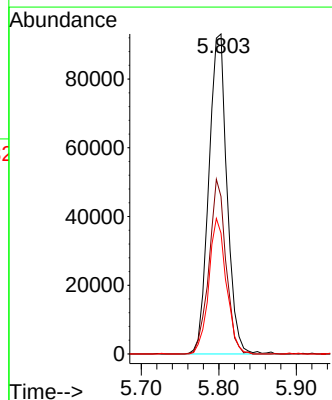
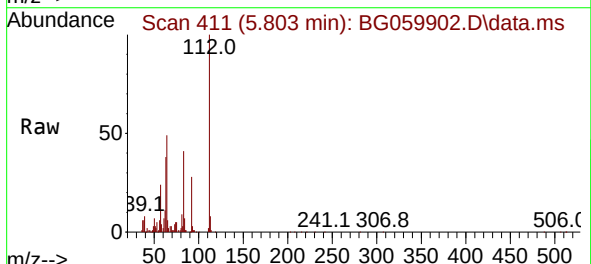
Instrument :
 BNA_G
 ClientSampleId :
 O-6(15-20)

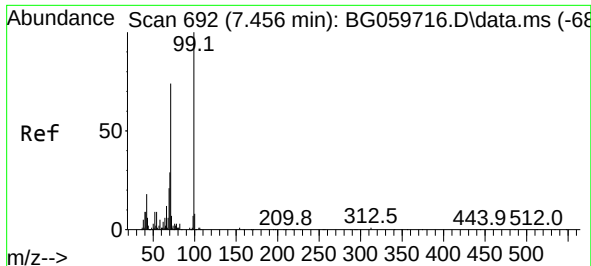
Tgt Ion:152 Resp: 26690
 Ion Ratio Lower Upper
 152 100
 150 124.1 122.2 183.4
 115 70.0 54.2 81.4



#5
 2-Fluorophenol
 Concen: 95.703 ng
 RT: 5.803 min Scan# 411
 Delta R.T. 0.006 min
 Lab File: BG059902.D
 Acq: 27 Nov 2023 14:53

Tgt Ion:112 Resp: 151759
 Ion Ratio Lower Upper
 112 100
 64 49.2 49.5 74.3#
 63 37.7 37.4 56.2

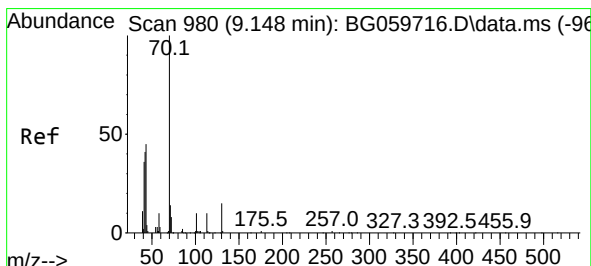
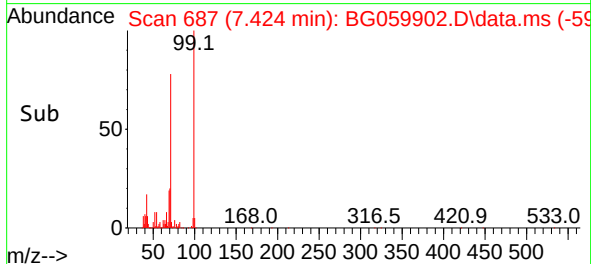
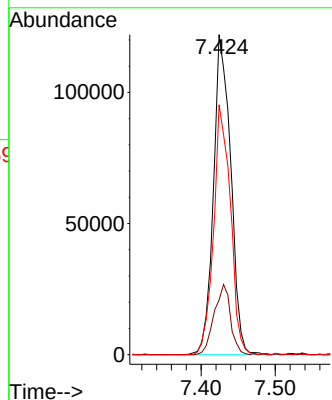
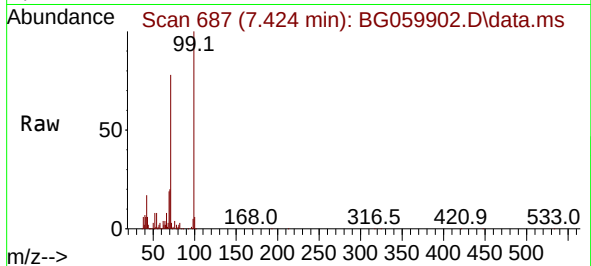




#7
Phenol-d6
Concen: 83.931 ng
RT: 7.424 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

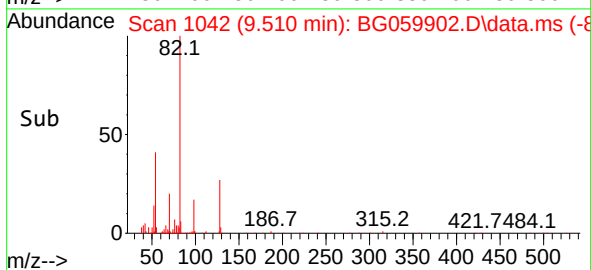
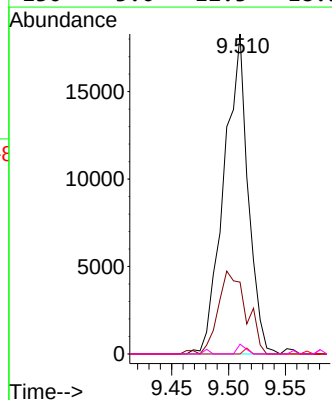
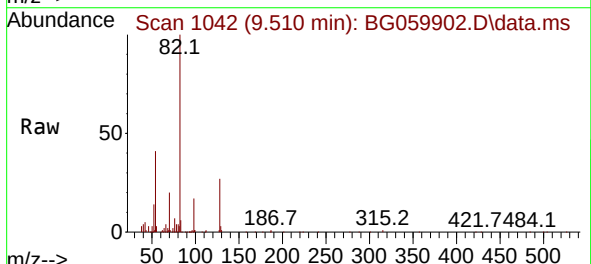
Instrument :
BNA_G
ClientSampleId :
O-6(15-20)

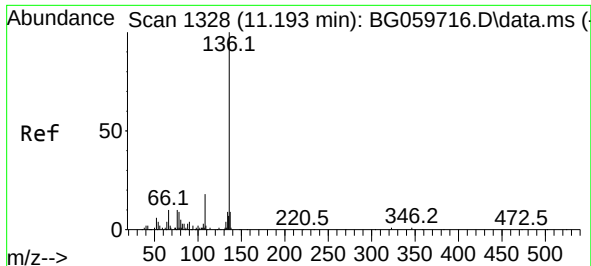
Tgt Ion: 99 Resp: 197230
Ion Ratio Lower Upper
99 100
42 17.1 14.3 21.5
71 78.1 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.560 ng
RT: 9.510 min Scan# 1042
Delta R.T. 0.400 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

Tgt Ion: 70 Resp: 26943
Ion Ratio Lower Upper
70 100
42 22.5 32.8 49.2#
101 0.0 7.7 11.5#
130 3.0 12.3 18.5#

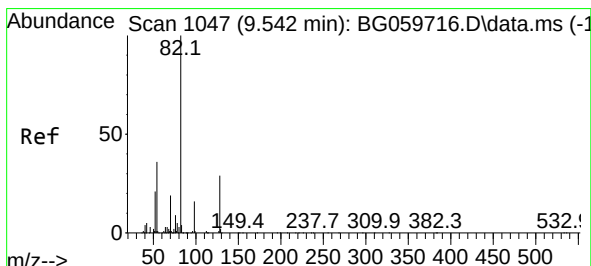
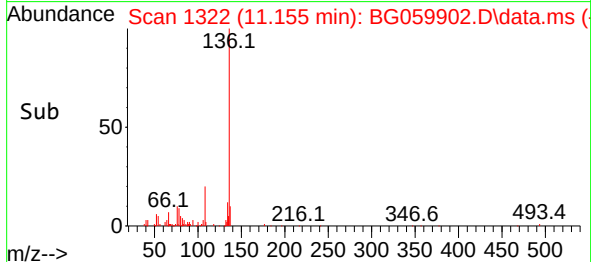
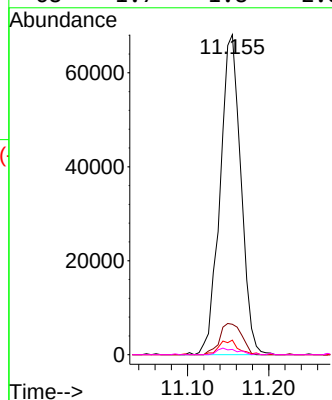
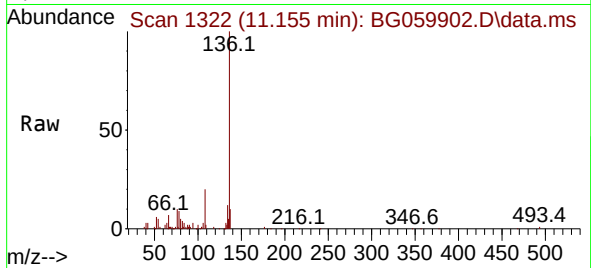




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.155 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

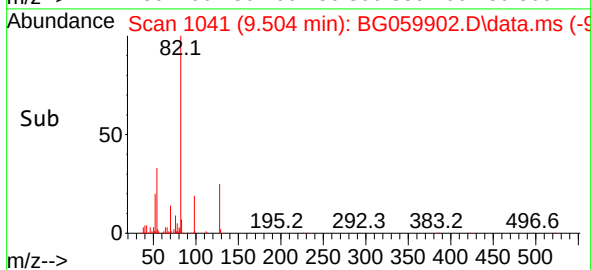
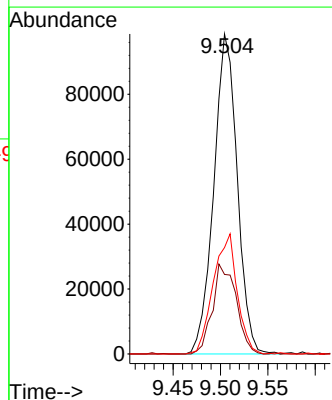
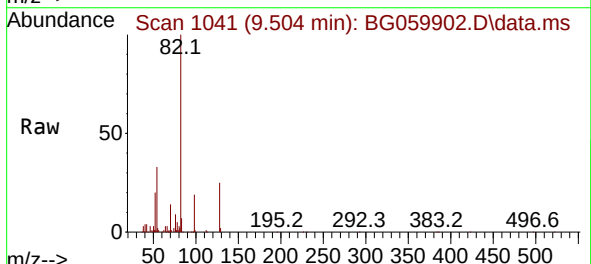
Instrument :
BNA_G
ClientSampleId :
O-6(15-20)

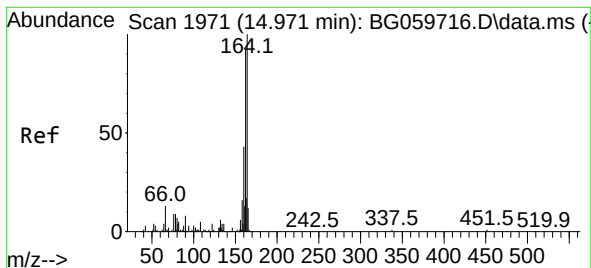
Tgt Ion:	136	Resp:	121421
Ion Ratio	Lower	Upper	
136	100		
137	9.5	7.4	11.0
54	4.5	3.1	4.7
68	1.7	1.8	2.8



#23
Nitrobenzene-d5
Concen: 53.336 ng
RT: 9.504 min Scan# 1041
Delta R.T. -0.005 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

Tgt Ion:	82	Resp:	169567
Ion Ratio	Lower	Upper	
82	100		
128	24.9	23.0	34.6
54	33.2	28.7	43.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.939 min Scan# 1966

Delta R.T. -0.005 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

Instrument :

BNA_G

ClientSampleId :

O-6(15-20)

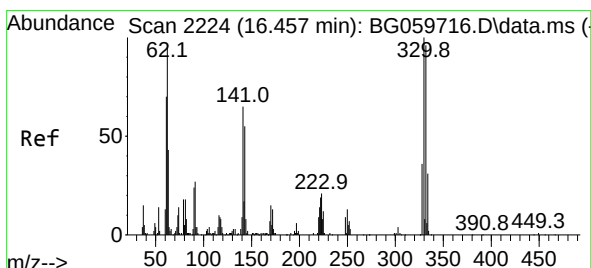
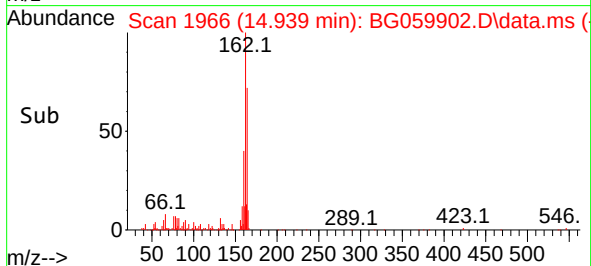
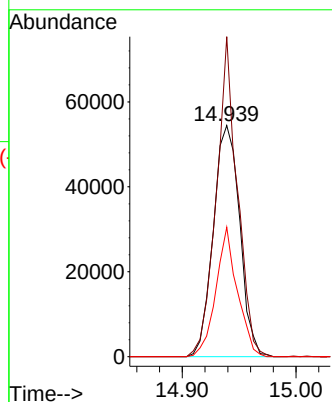
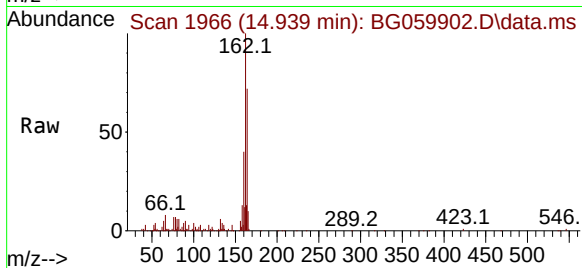
Tgt Ion:164 Resp: 87638

Ion Ratio Lower Upper

164 100

162 138.4 73.3 109.9#

160 56.0 34.1 51.1#



#42

2,4,6-Tribromophenol

Concen: 95.548 ng

RT: 16.426 min Scan# 2219

Delta R.T. -0.005 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

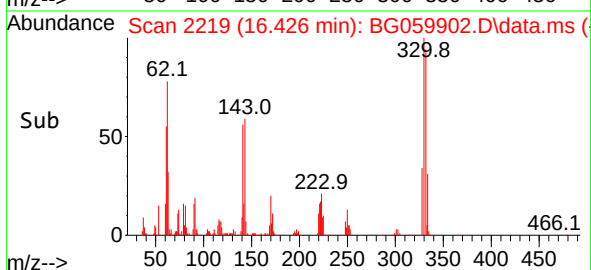
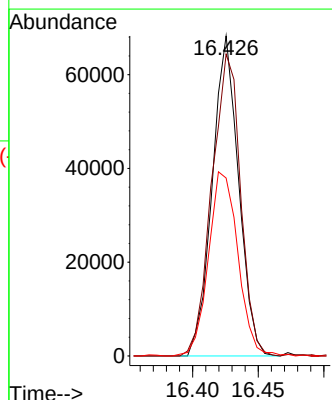
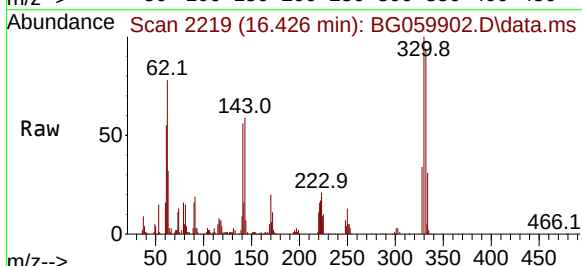
Tgt Ion:330 Resp: 95009

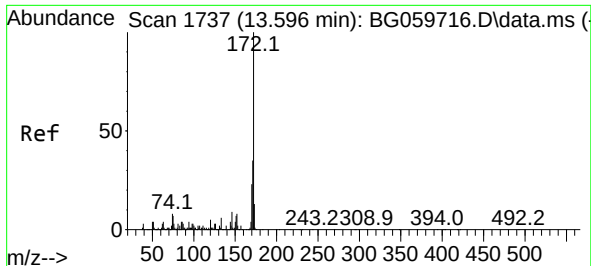
Ion Ratio Lower Upper

330 100

332 102.9 73.3 109.9

141 64.6 52.1 78.1

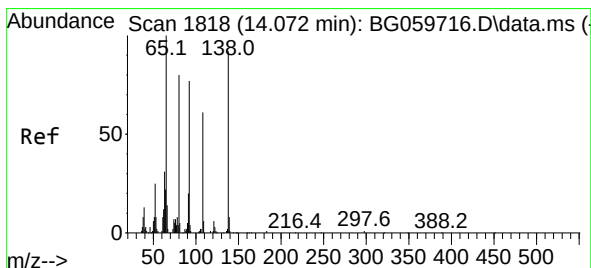
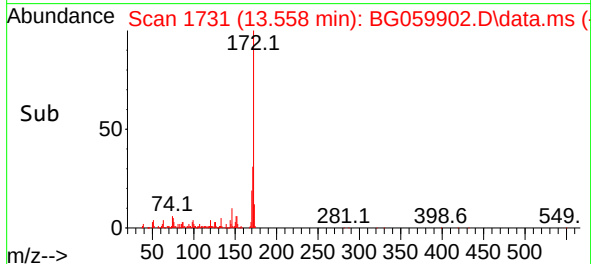
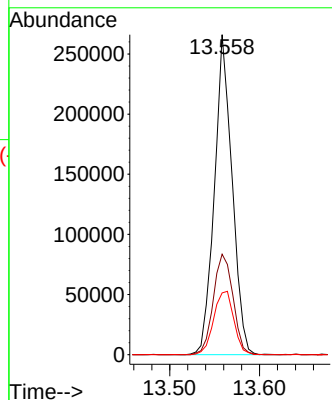
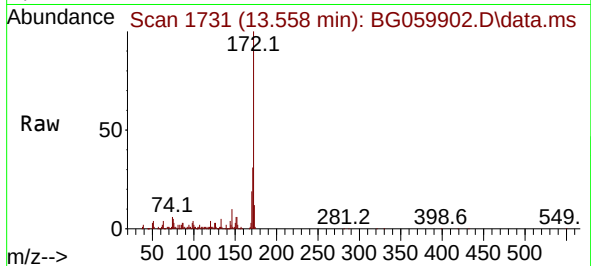




#45
2-Fluorobiphenyl
Concen: 55.935 ng
RT: 13.558 min Scan# 1766
Delta R.T. -0.005 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

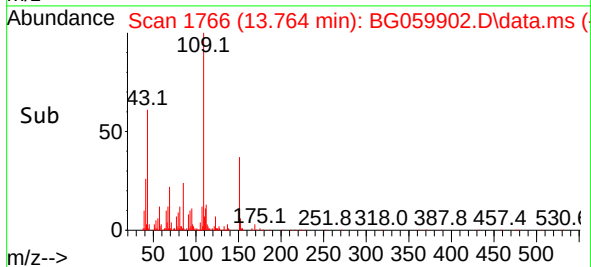
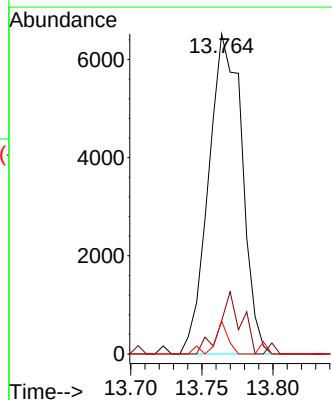
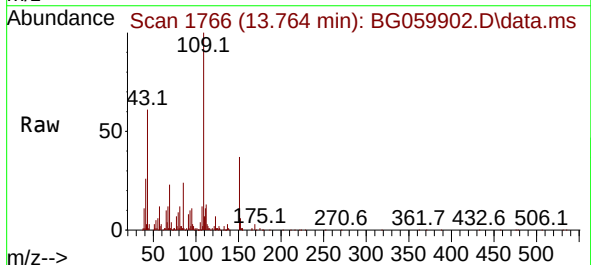
Instrument :
BNA_G
ClientSampleId :
O-6(15-20)

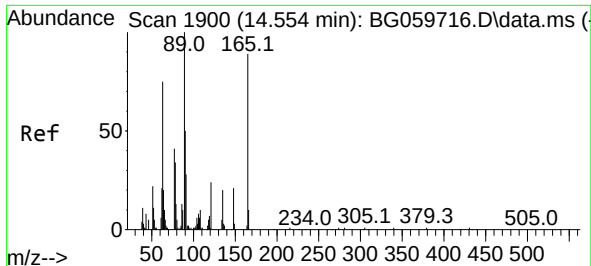
Tgt Ion:172 Resp: 364183
Ion Ratio Lower Upper
172 100
171 31.4 27.7 41.5
170 19.3 18.4 27.6



#48
2-Nitroaniline
Concen: 6.310 ng
RT: 13.764 min Scan# 1766
Delta R.T. -0.287 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

Tgt Ion: 65 Resp: 10649
Ion Ratio Lower Upper
65 100
92 10.3 61.2 91.8#
138 10.3 73.8 110.6#





#51

2,6-Dinitrotoluene

Concen: 8.577 ng

RT: 14.939 min Scan# 1966

Delta R.T. 0.412 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

Instrument :

BNA_G

ClientSampleId :

O-6(15-20)

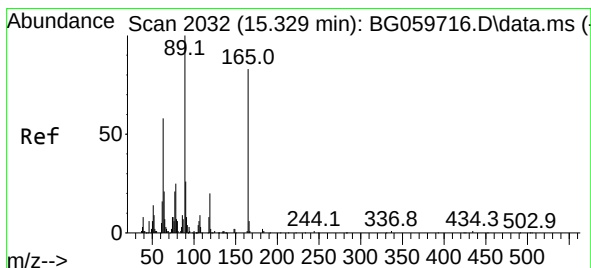
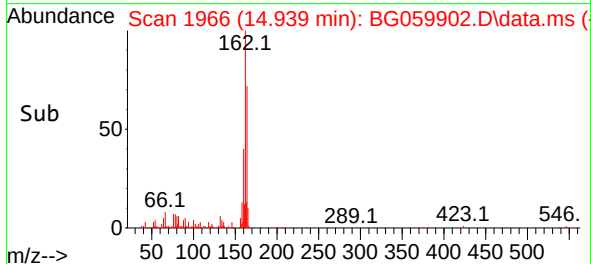
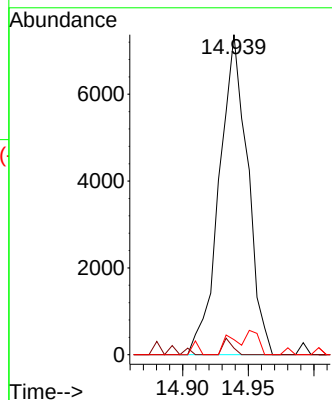
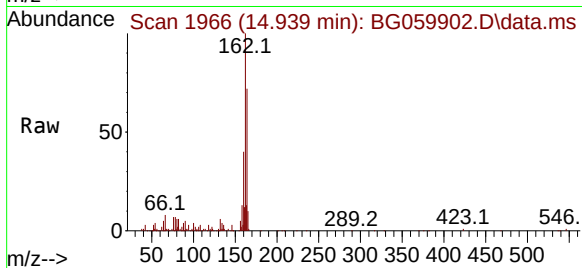
Tgt Ion:165 Resp: 11050

Ion Ratio Lower Upper

165 100

63 2.1 75.3 112.9#

89 4.7 90.9 136.3#



#57

2,4-Dinitrotoluene

Concen: 5.577 ng

RT: 14.939 min Scan# 1966

Delta R.T. -0.370 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

Tgt Ion:165 Resp: 11050

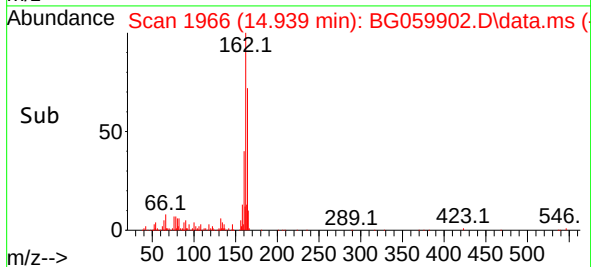
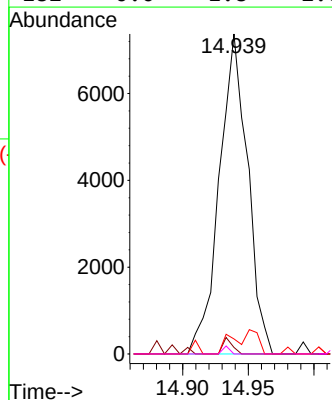
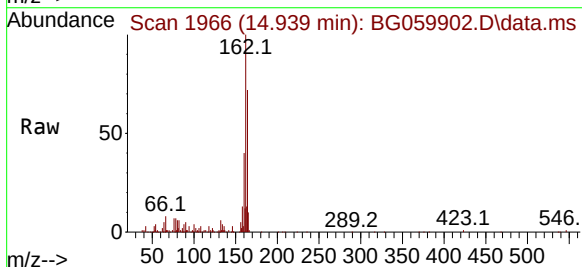
Ion Ratio Lower Upper

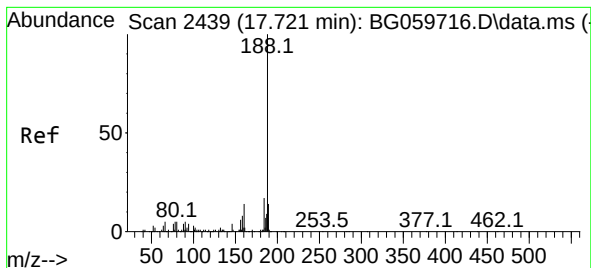
165 100

63 2.1 55.8 83.8#

89 4.7 96.9 145.3#

182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.689 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

Instrument :

BNA_G

ClientSampleId :

O-6(15-20)

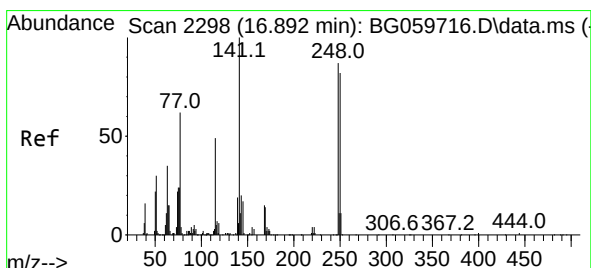
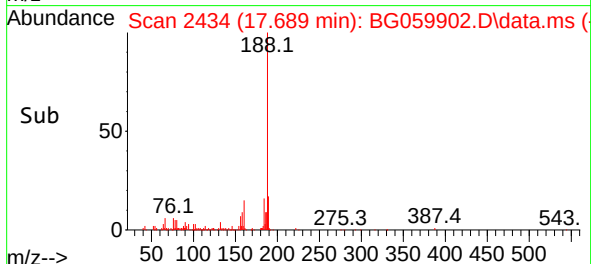
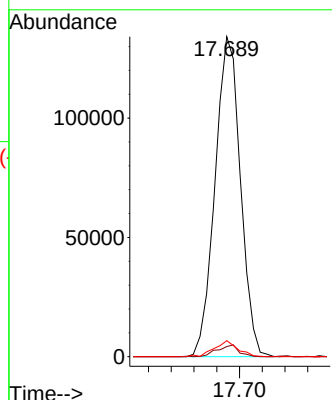
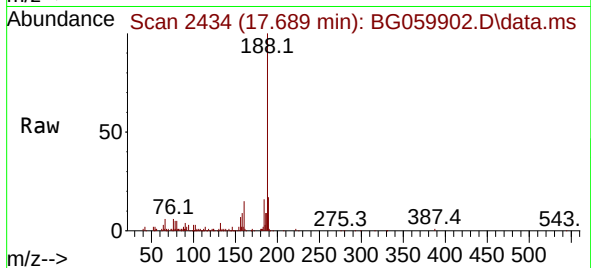
Tgt Ion:188 Resp: 208073

Ion Ratio Lower Upper

188 100

94 3.2 3.0 4.4

80 5.0 4.2 6.4



#67

4-Bromophenyl-phenylether

Concen: 2.850 ng

RT: 16.426 min Scan# 2219

Delta R.T. -0.440 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

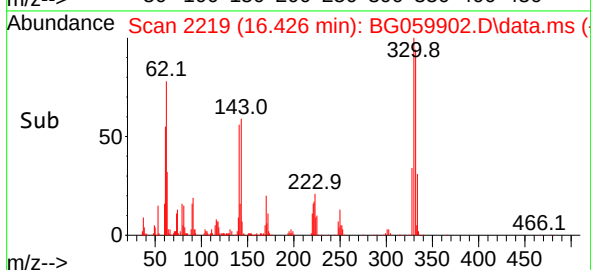
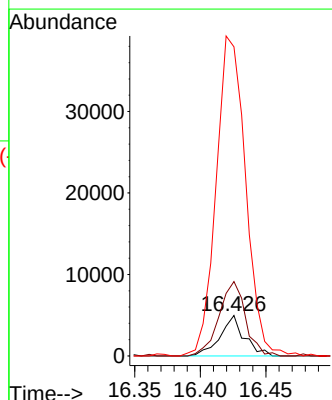
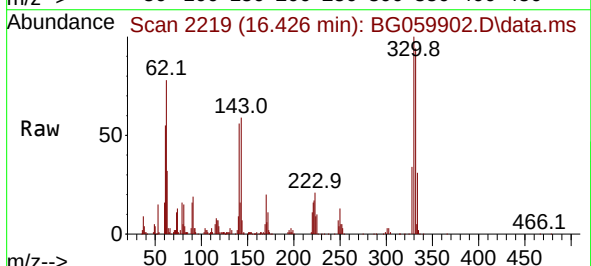
Tgt Ion:248 Resp: 6370

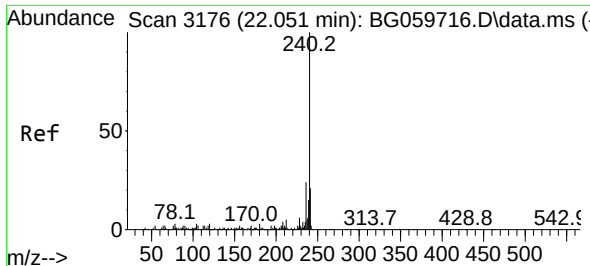
Ion Ratio Lower Upper

248 100

250 183.5 75.2 112.8#

141 762.2 91.5 137.3#

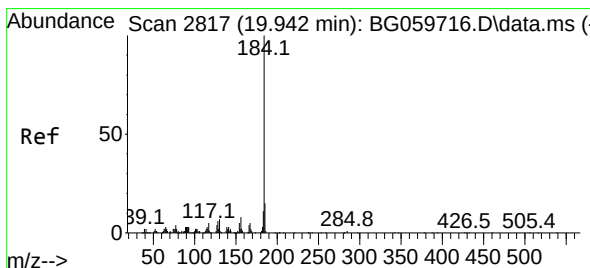
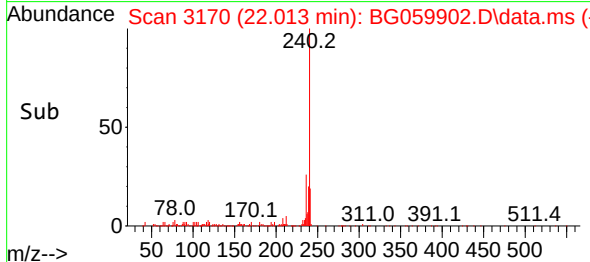
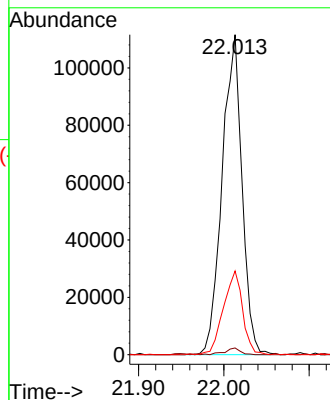
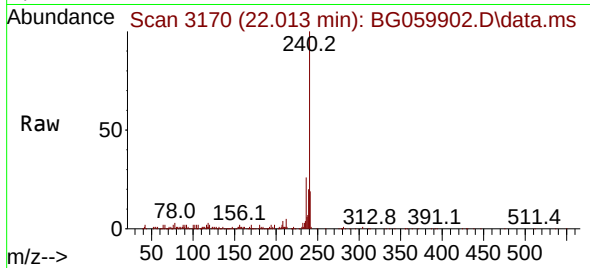




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

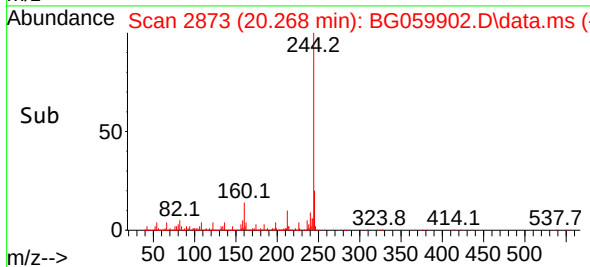
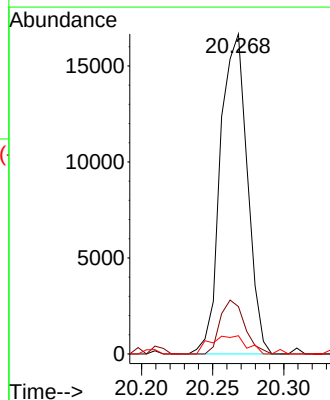
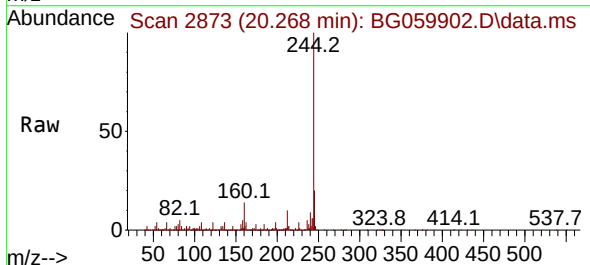
Instrument :
BNA_G
ClientSampleId :
O-6(15-20)

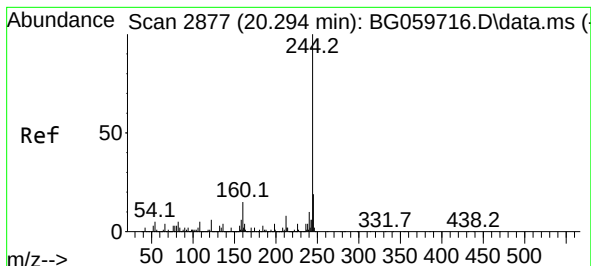
Tgt Ion:240 Resp: 180430
Ion Ratio Lower Upper
240 100
120 2.1 2.2 3.2#
236 26.1 19.4 29.2



#77
Benzidine
Concen: 5.367 ng
RT: 20.268 min Scan# 2873
Delta R.T. 0.353 min
Lab File: BG059902.D
Acq: 27 Nov 2023 14:53

Tgt Ion:184 Resp: 21959
Ion Ratio Lower Upper
184 100
185 14.8 12.2 18.2
183 5.7 8.8 13.2#





#79

Terphenyl-d14

Concen: 56.554 ng

RT: 20.268 min Scan# 2

Delta R.T. 0.000 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

Instrument :

BNA_G

ClientSampleId :

O-6(15-20)

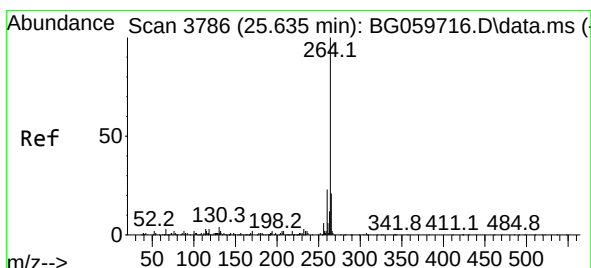
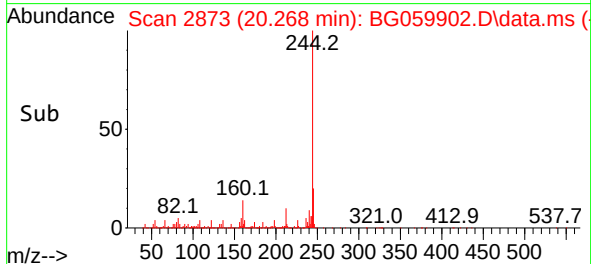
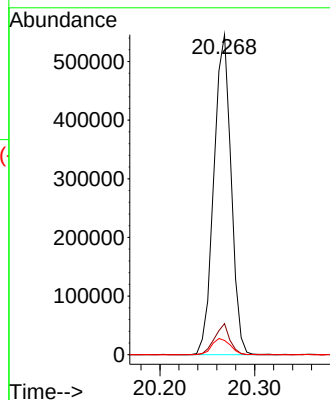
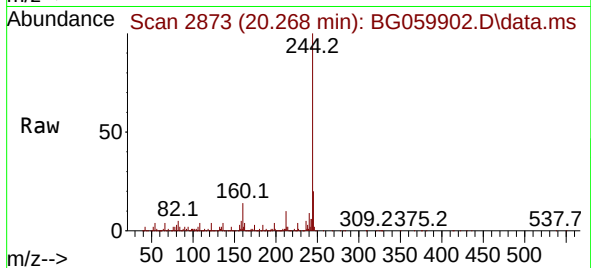
Tgt Ion:244 Resp: 691213

Ion Ratio Lower Upper

244 100

212 9.7 6.6 10.0

122 4.5 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.574 min Scan# 3776

Delta R.T. -0.005 min

Lab File: BG059902.D

Acq: 27 Nov 2023 14:53

Tgt Ion:264 Resp: 191493

Ion Ratio Lower Upper

264 100

260 18.9 18.5 27.7

265 23.1 17.0 25.6

