

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060623\
 Data File : BG057646.D
 Acq On : 6 Jun 2023 20:58
 Operator : CG/JU
 Sample : 02997-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DMA-1105

Quant Time: Jun 07 02:50:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

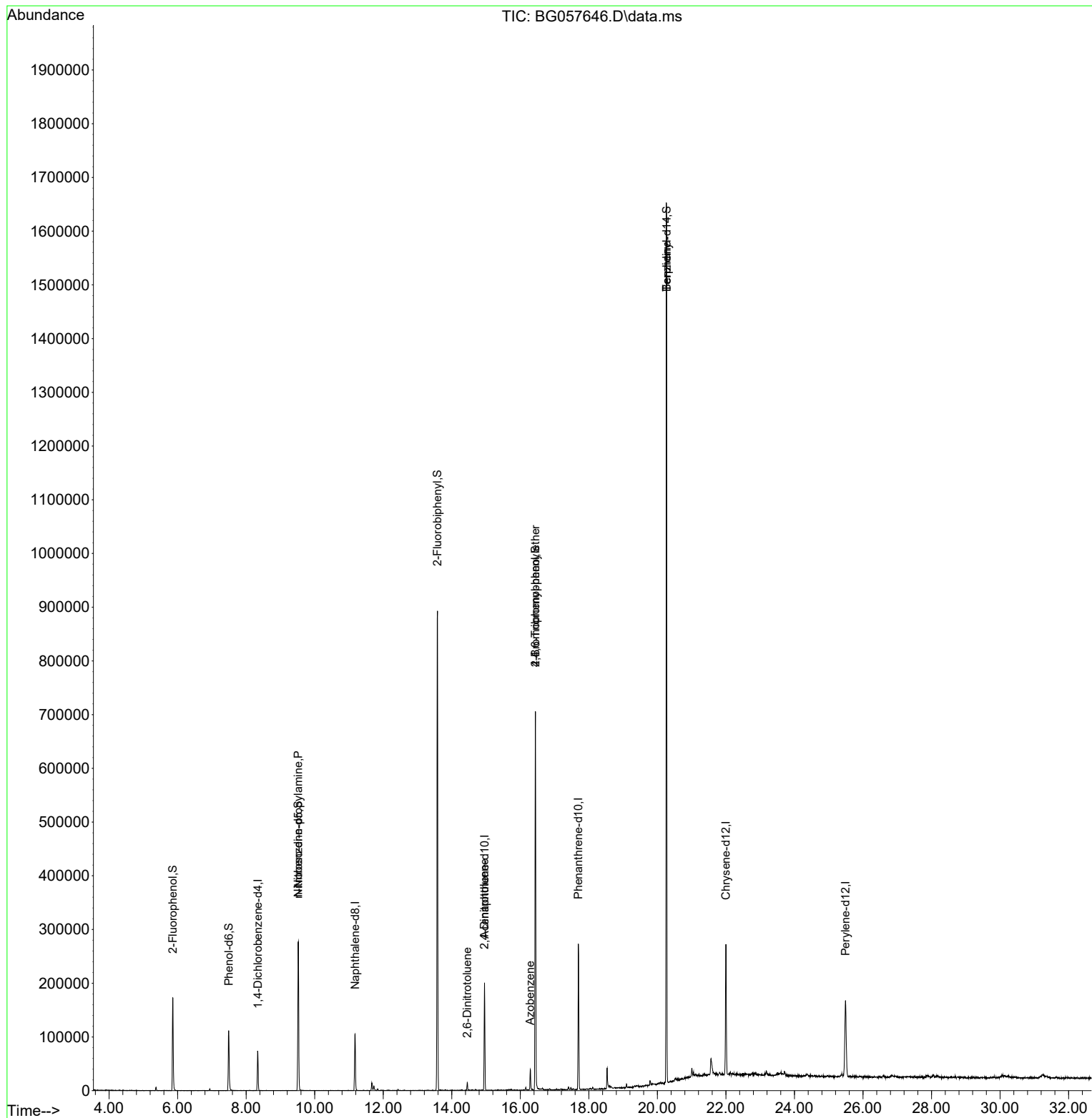
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.342	152	22473	20.000	ng	0.00
21) Naphthalene-d8	11.180	136	96019	20.000	ng	0.00
39) Acenaphthene-d10	14.957	164	72180	20.000	ng	0.00
64) Phenanthrene-d10	17.694	188	173682	20.000	ng	0.00
76) Chrysene-d12	22.000	240	151023	20.000	ng	0.00
86) Perylene-d12	25.490	264	161067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.863	112	85120	65.803	ng	0.00
7) Phenol-d6	7.490	99	78197	38.627	ng	0.00
23) Nitrobenzene-d5	9.523	82	191369	93.167	ng	0.00
42) 2,4,6-Tribromophenol	16.443	330	153351	132.700	ng	0.00
45) 2-Fluorobiphenyl	13.582	172	495992	98.753	ng	0.00
79) Terphenyl-d14	20.267	244	851512	97.668	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.517	70	25453	18.098	ng	# 76
51) 2,6-Dinitrotoluene	14.452	165	2847	2.236	ng	# 27
57) 2,4-Dinitrotoluene	14.951	165	9624	5.047	ng	# 25
63) Azobenzene	16.290	77	12310	2.229	ng	# 1
67) 4-Bromophenyl-phenylether	16.443	248	10321	5.298	ng	# 1
77) Benzidine	20.267	184	12536	2.743	ng	# 89

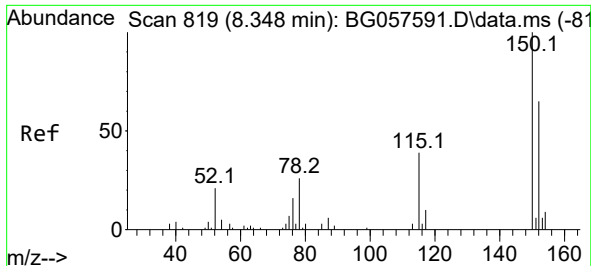
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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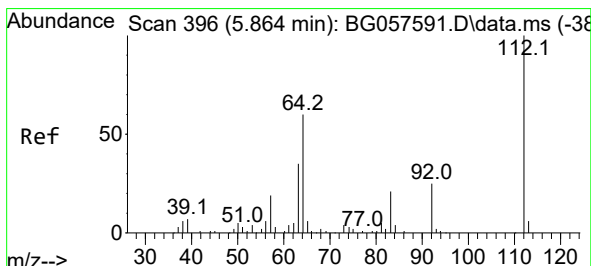
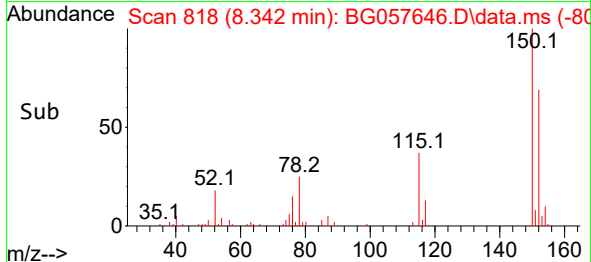
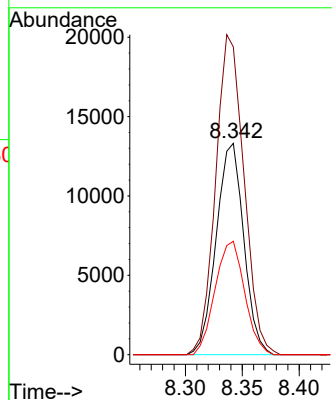
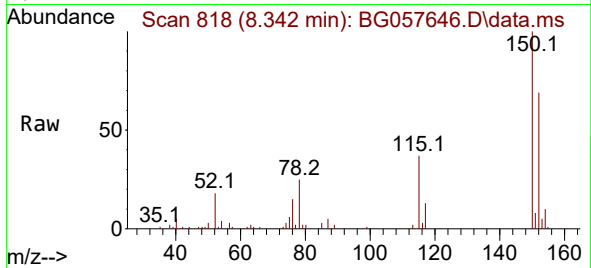




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.342 min Scan# 819
Delta R.T. 0.008 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

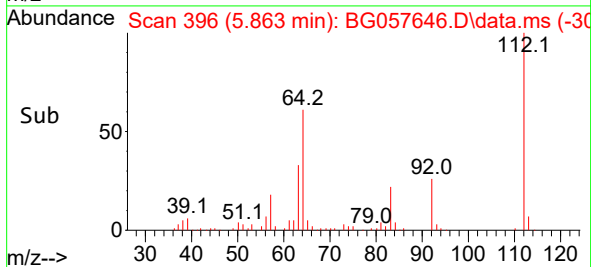
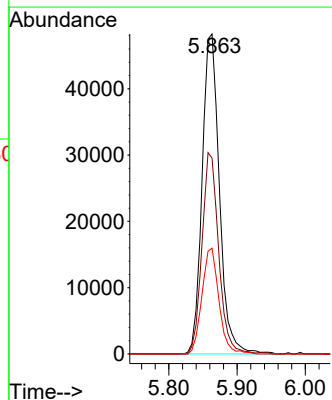
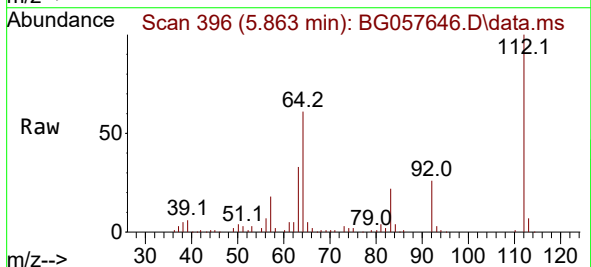
Instrument :
BNA_G
ClientSampleId :
DMA-1105

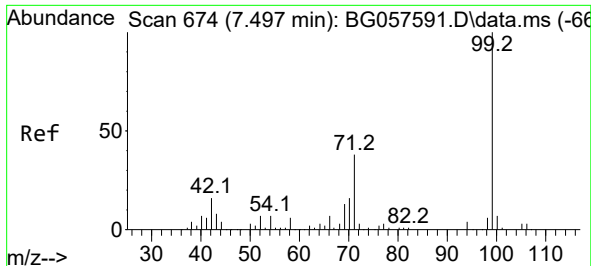
Tgt Ion:152 Resp: 22473
Ion Ratio Lower Upper
152 100
150 145.6 123.0 184.4
115 53.7 47.4 71.2



#5
2-Fluorophenol
Concen: 65.803 ng
RT: 5.863 min Scan# 396
Delta R.T. 0.008 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

Tgt Ion:112 Resp: 85120
Ion Ratio Lower Upper
112 100
64 61.2 47.8 71.6
63 33.1 27.8 41.8

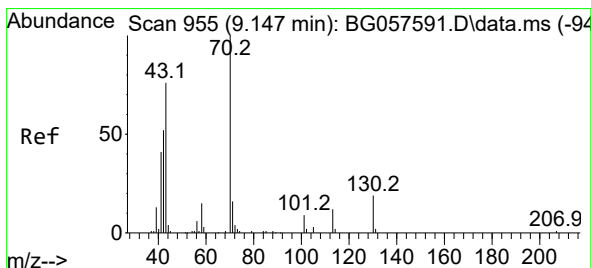
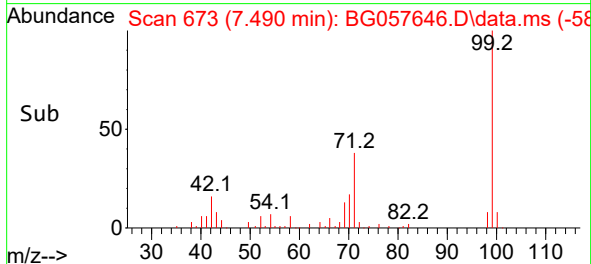
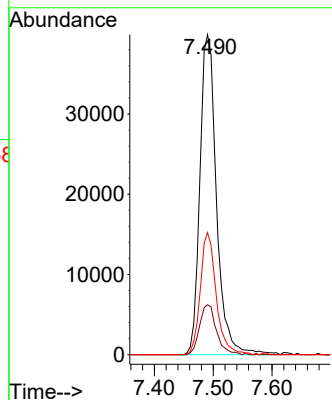
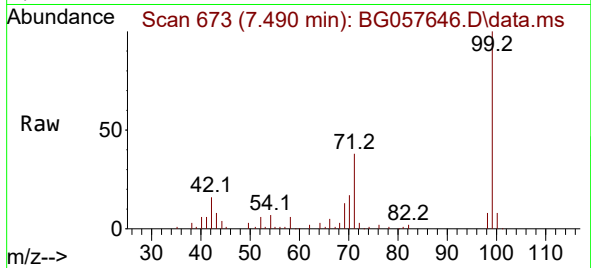




#7
Phenol-d6
Concen: 38.627 ng
RT: 7.490 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

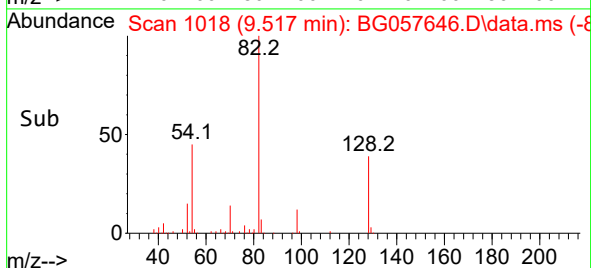
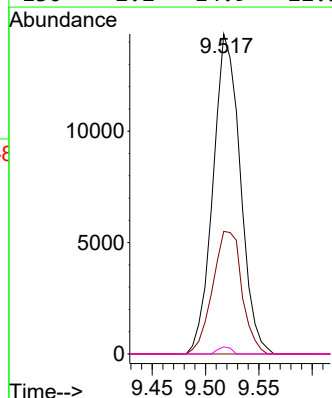
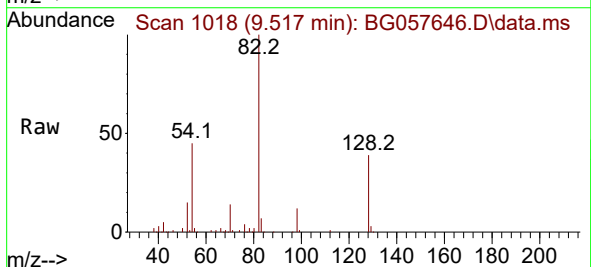
Instrument :
BNA_G
ClientSampleId :
DMA-1105

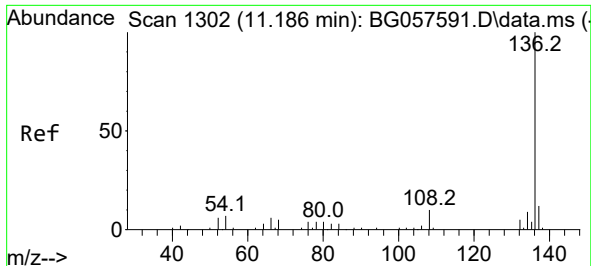
Tgt Ion: 99 Resp: 78197
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 38.1 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 18.098 ng
RT: 9.517 min Scan# 1018
Delta R.T. 0.379 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

Tgt Ion: 70 Resp: 25453
Ion Ratio Lower Upper
70 100
42 38.3 41.4 62.0#
101 0.0 6.9 10.3#
130 2.2 14.9 22.3#

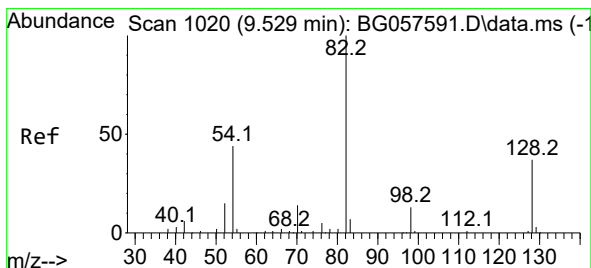
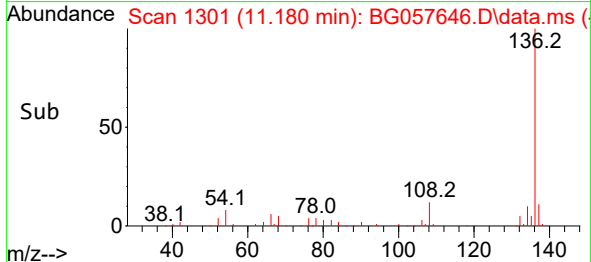
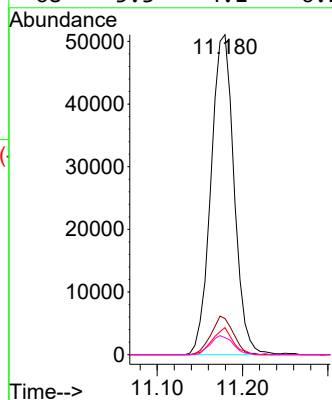
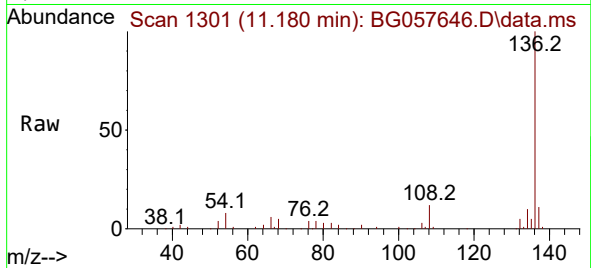




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.180 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

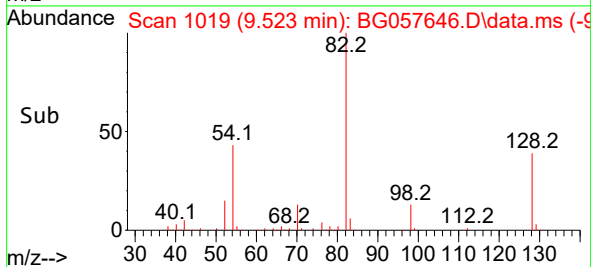
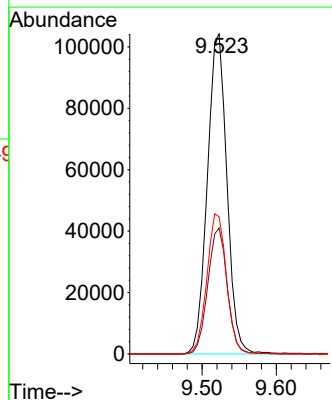
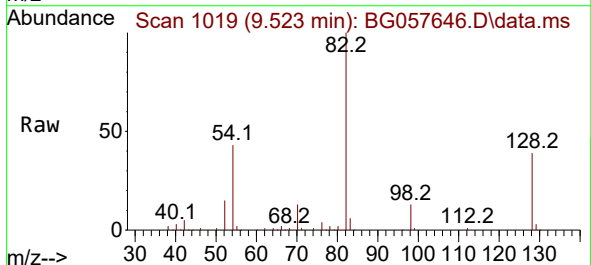
Instrument :
BNA_G
ClientSampleId :
DMA-1105

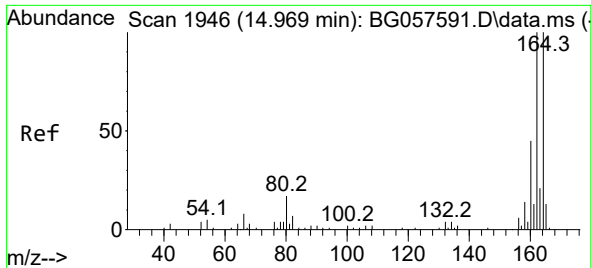
Tgt Ion:136	Resp:	96019
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.8 14.8
54	8.4	5.8 8.6
68	5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 93.167 ng
RT: 9.523 min Scan# 1019
Delta R.T. 0.003 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

Tgt Ion: 82	Resp:	191369
Ion	Ratio	Lower Upper
82	100	
128	39.4	30.0 45.0
54	42.9	35.2 52.8

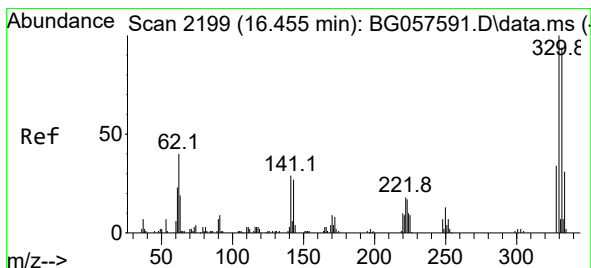
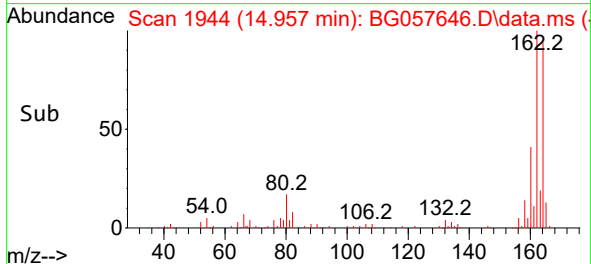
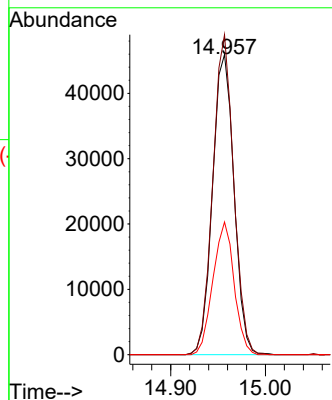
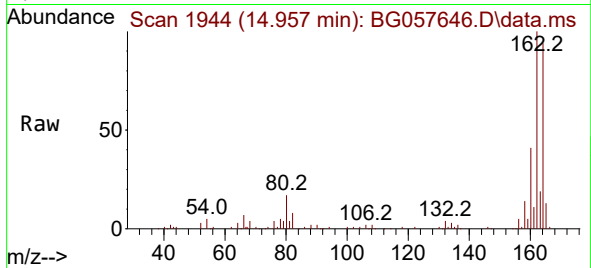




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.957 min Scan# 1944
Delta R.T. -0.003 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

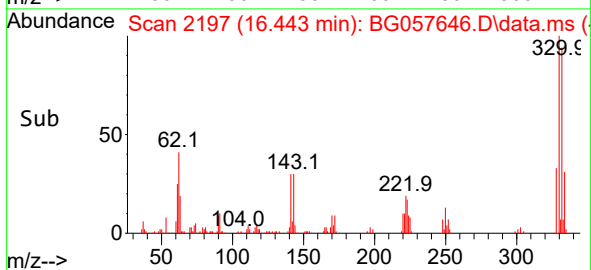
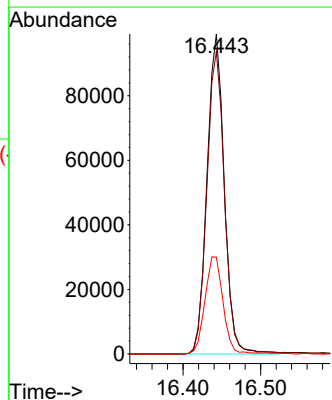
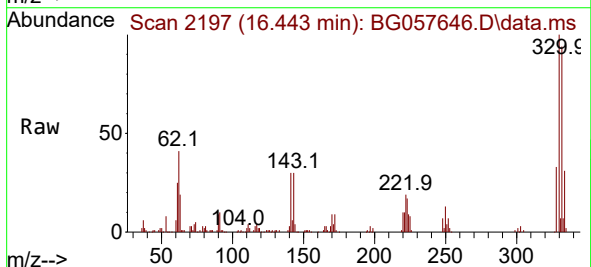
Instrument :
BNA_G
ClientSampleId :
DMA-1105

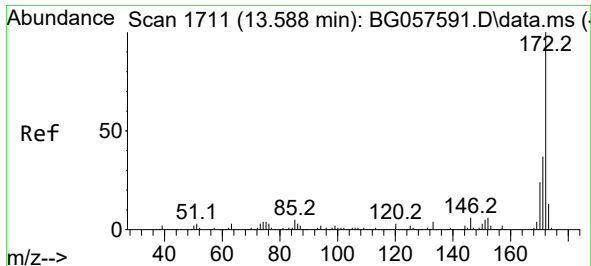
Tgt Ion:164 Resp: 72180
Ion Ratio Lower Upper
164 100
162 106.6 80.1 120.1
160 44.2 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 132.700 ng
RT: 16.443 min Scan# 2197
Delta R.T. -0.003 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

Tgt Ion:330 Resp: 153351
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 31.7 24.6 37.0

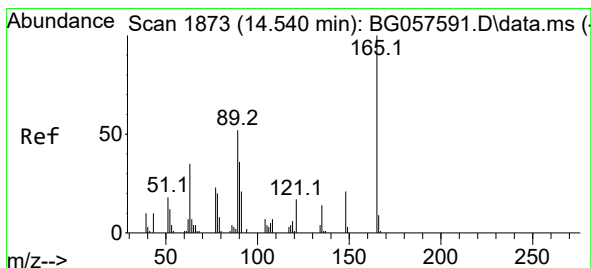
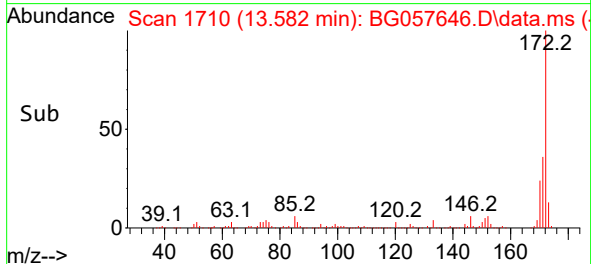
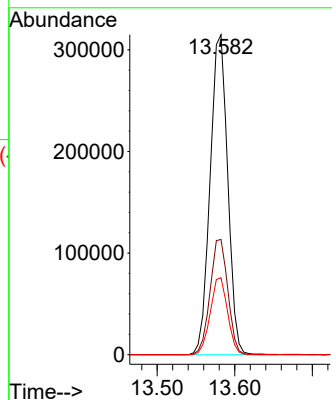
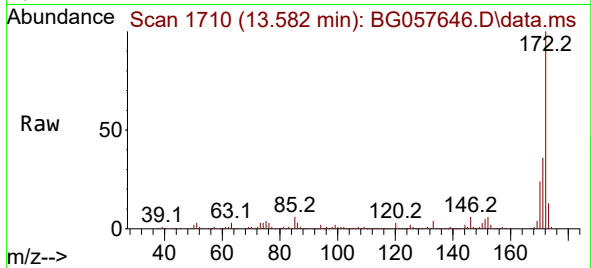




#45
2-Fluorobiphenyl
Concen: 98.753 ng
RT: 13.582 min Scan# 1710
Delta R.T. 0.003 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

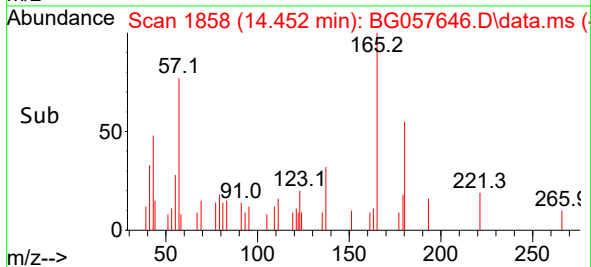
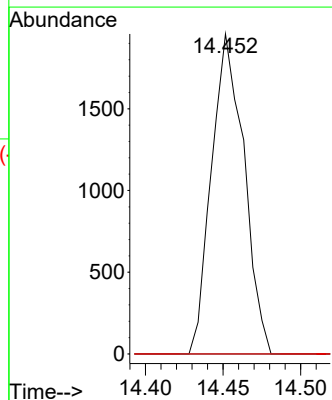
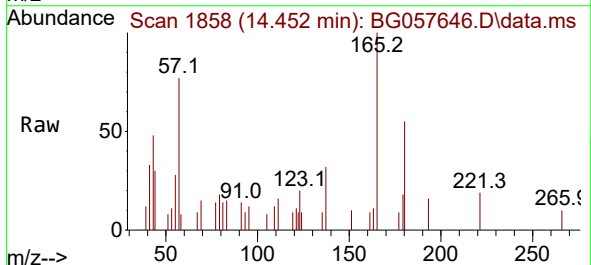
Instrument :
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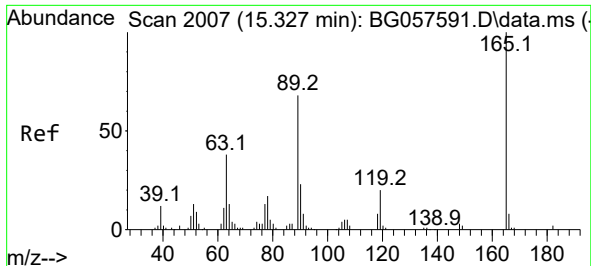
Tgt Ion:172 Resp: 495992
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 24.0 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 2.236 ng
RT: 14.452 min Scan# 1858
Delta R.T. -0.080 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

Tgt Ion:165 Resp: 2847
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 5.047 ng

RT: 14.951 min Scan# 14

Delta R.T. -0.373 min

Lab File: BG057646.D

Acq: 6 Jun 2023 20:58

Instrument :

BNA_G

ClientSampleId :

DMA-1105

Tgt Ion:165 Resp: 9624

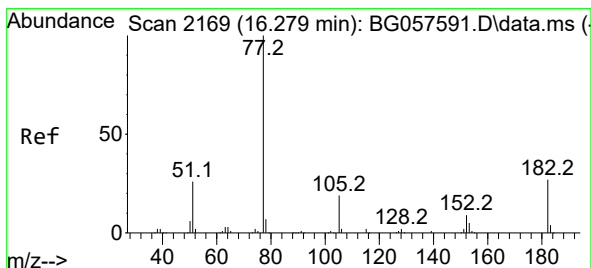
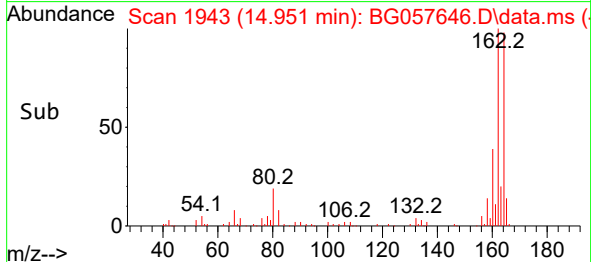
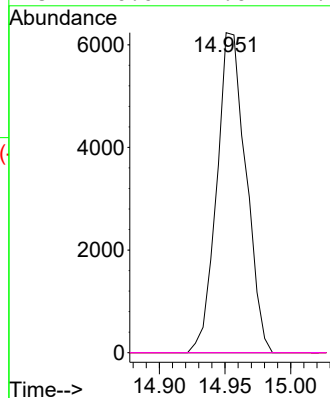
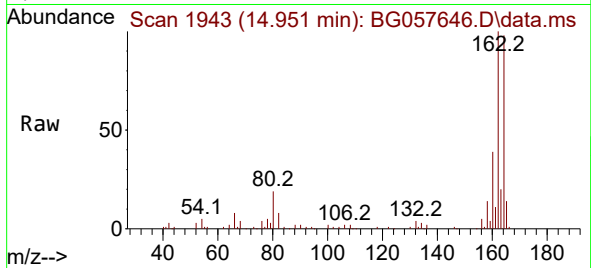
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 2.229 ng

RT: 16.290 min Scan# 2171

Delta R.T. 0.020 min

Lab File: BG057646.D

Acq: 6 Jun 2023 20:58

Tgt Ion: 77 Resp: 12310

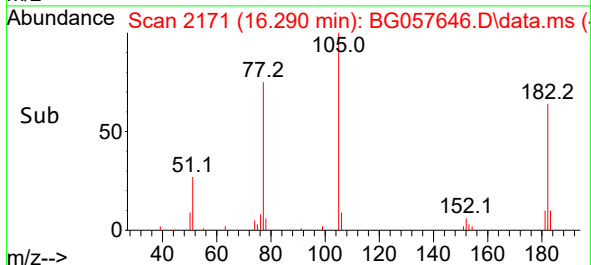
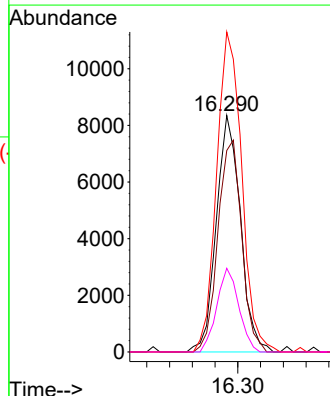
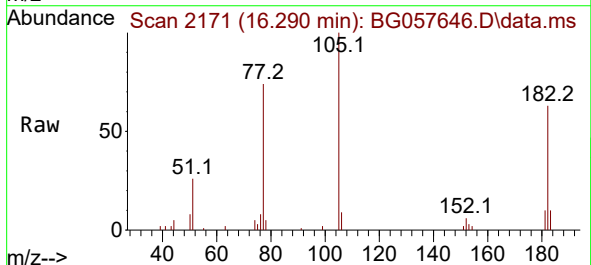
Ion Ratio Lower Upper

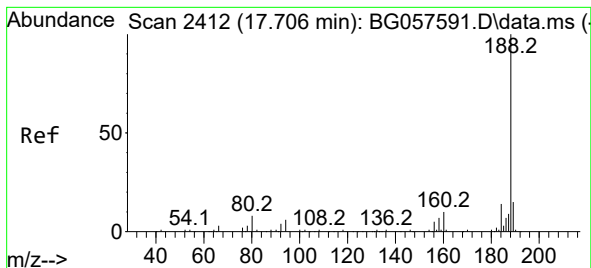
77 100

182 85.2 7.4 47.4#

105 135.3 0.0 39.4#

51 35.4 6.2 46.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.694 min Scan# 2412

Delta R.T. -0.003 min

Lab File: BG057646.D

Acq: 6 Jun 2023 20:58

Instrument :

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ClientSampleId :

DMA-1105

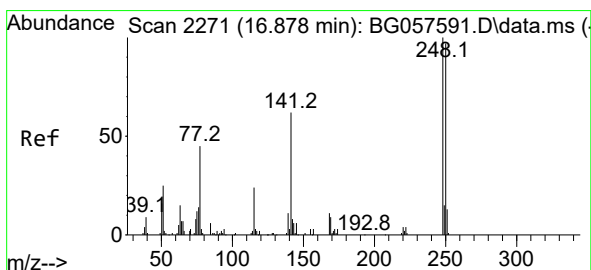
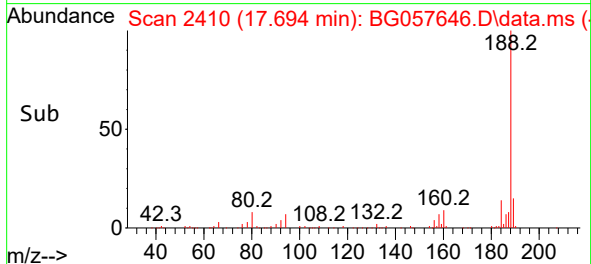
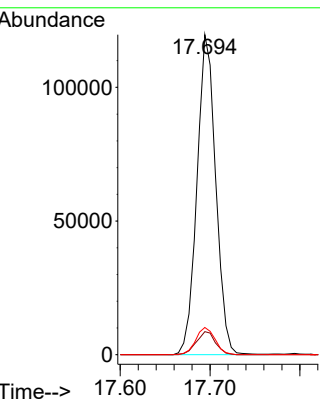
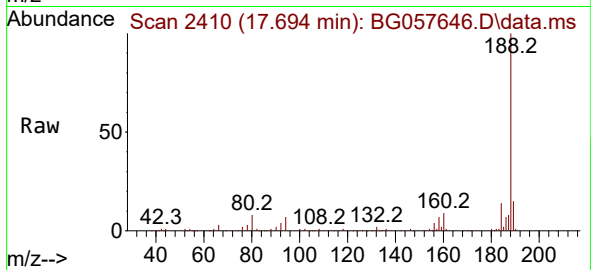
Tgt Ion:188 Resp: 173682

Ion Ratio Lower Upper

188 100

94 7.2 5.2 7.8

80 8.5 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 5.298 ng

RT: 16.443 min Scan# 2197

Delta R.T. -0.426 min

Lab File: BG057646.D

Acq: 6 Jun 2023 20:58

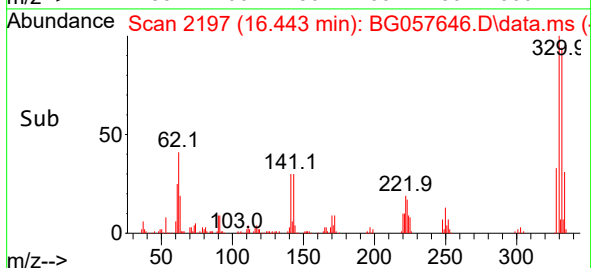
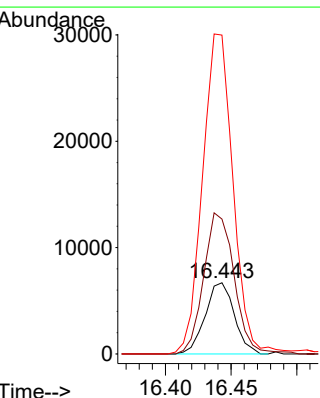
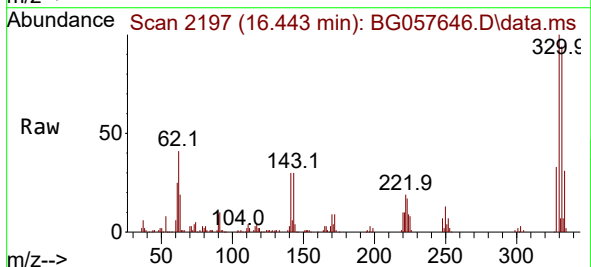
Tgt Ion:248 Resp: 10321

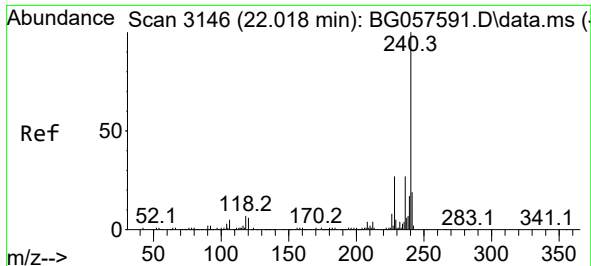
Ion Ratio Lower Upper

248 100

250 189.5 77.4 116.2#

141 447.9 49.4 74.0#

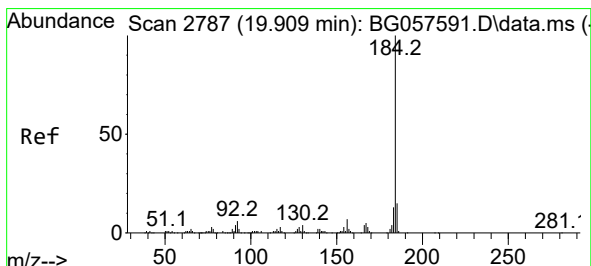
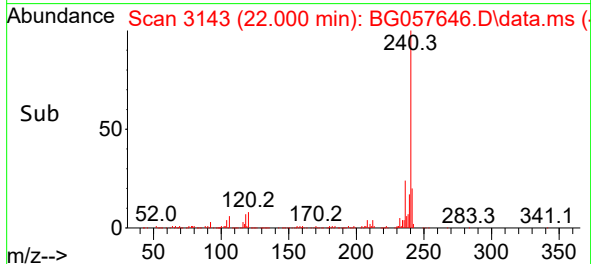
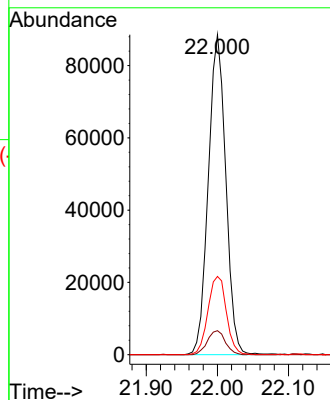
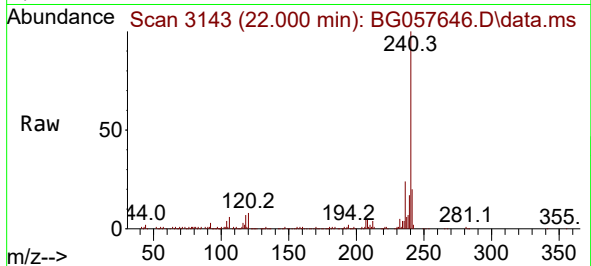




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.000 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

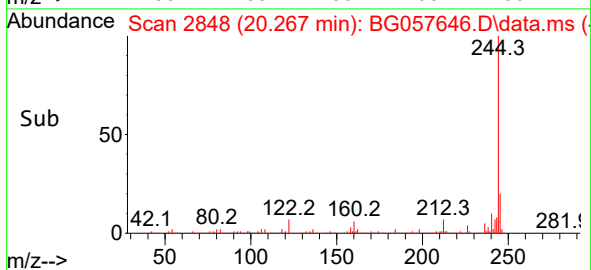
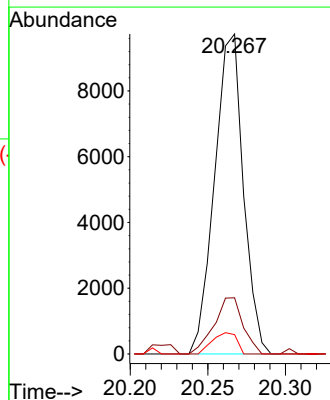
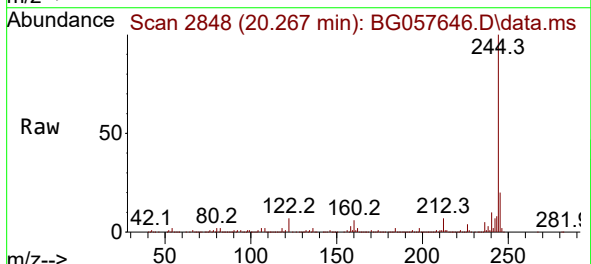
Instrument :
BNA_G
ClientSampleId :
DMA-1105

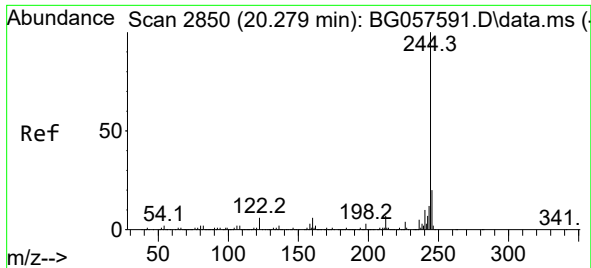
Tgt Ion:240 Resp: 151023
Ion Ratio Lower Upper
240 100
120 7.5 5.2 7.8
236 24.4 21.4 32.0



#77
Benzidine
Concen: 2.743 ng
RT: 20.267 min Scan# 2848
Delta R.T. 0.373 min
Lab File: BG057646.D
Acq: 6 Jun 2023 20:58

Tgt Ion:184 Resp: 12536
Ion Ratio Lower Upper
184 100
185 17.6 12.0 18.0
183 6.0 10.0 15.0#

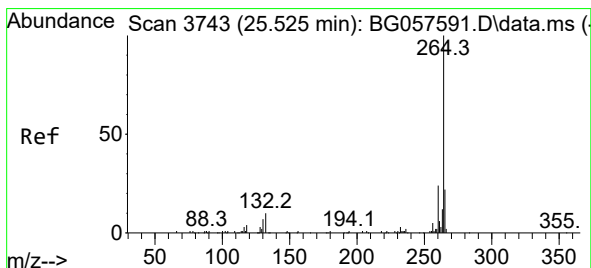
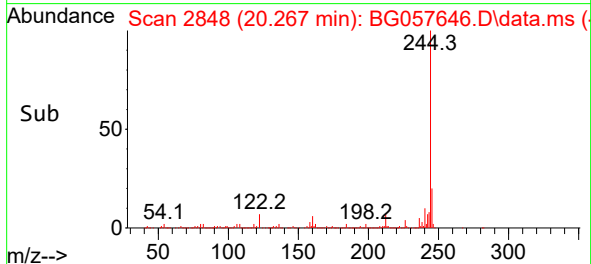
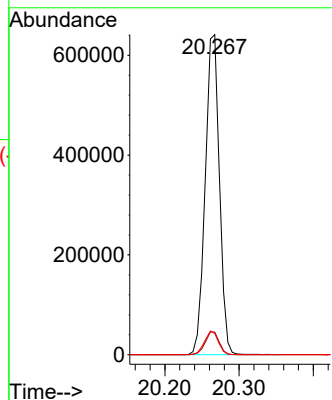
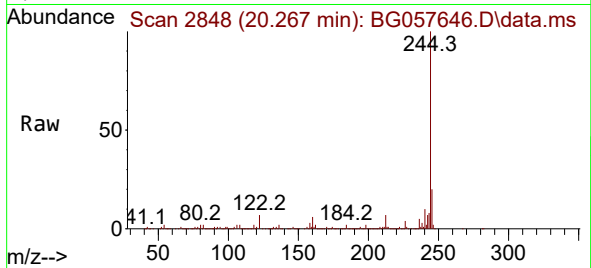




#79
 Terphenyl-d14
 Concen: 97.668 ng
 RT: 20.267 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG057646.D
 Acq: 6 Jun 2023 20:58

Instrument :
 BNA_G
 ClientSampleId :
 DMA-1105

Tgt Ion:244 Resp: 851512
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 6.7 4.8 7.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.490 min Scan# 3737
 Delta R.T. -0.009 min
 Lab File: BG057646.D
 Acq: 6 Jun 2023 20:58

Tgt Ion:264 Resp: 161067
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.1 28.7
 265 21.5 17.7 26.5

