

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060623\
 Data File : BG057645.D
 Acq On : 6 Jun 2023 20:16
 Operator : CG/JU
 Sample : 02997-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DMA-1103

Quant Time: Jun 07 02:50:02 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)

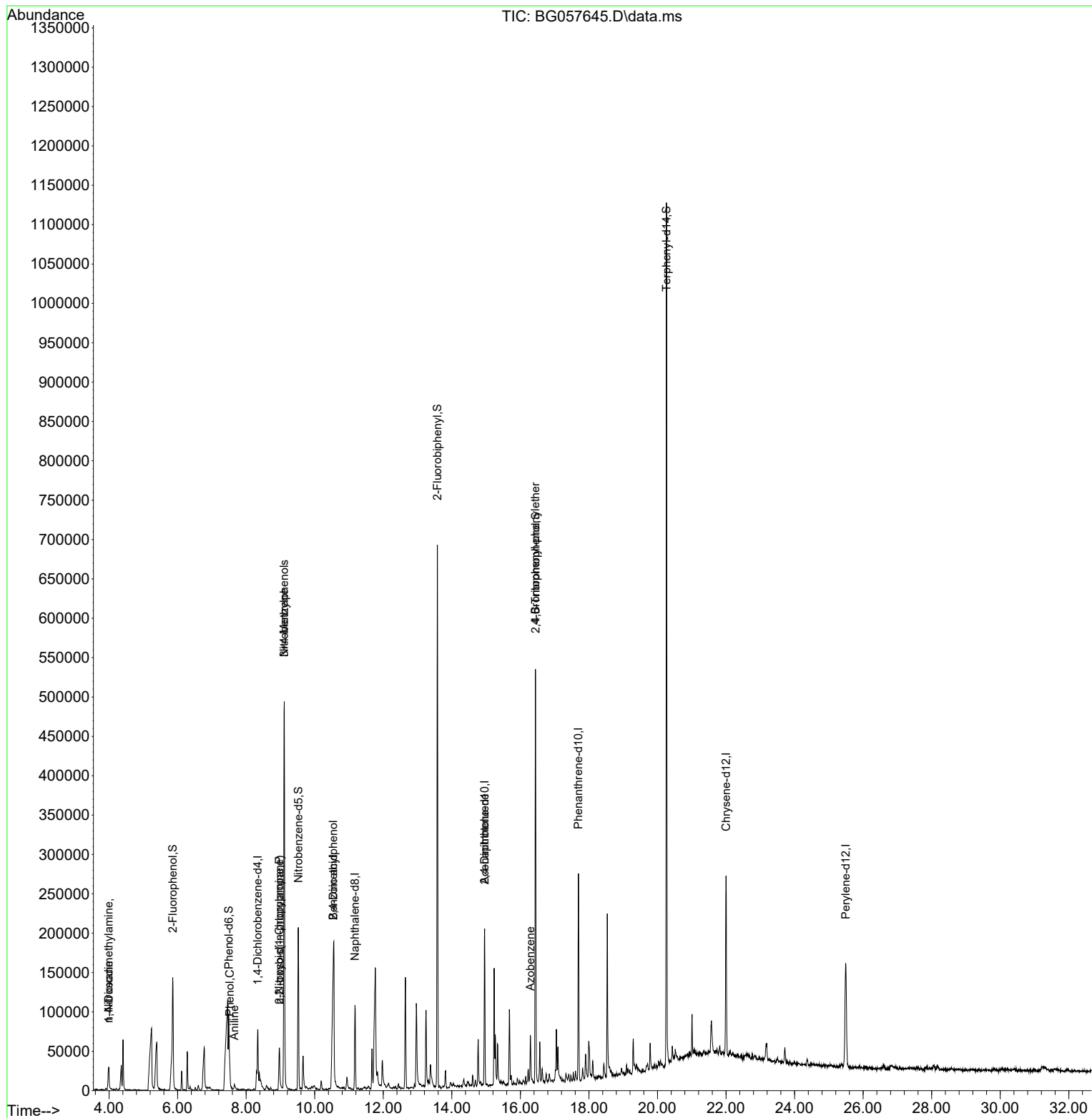
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	21617	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	93327	20.000	ng	0.00
39) Acenaphthene-d10	14.957	164	70972	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	168991	20.000	ng	0.00
76) Chrysene-d12	22.000	240	143795	20.000	ng	0.00
86) Perylene-d12	25.490	264	156207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	61868	49.722	ng	0.00
7) Phenol-d6	7.491	99	60194	30.912	ng	0.00
23) Nitrobenzene-d5	9.523	82	137730	68.987	ng	0.00
42) 2,4,6-Tribromophenol	16.443	330	109742	96.580	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	357697	72.430	ng	0.00
79) Terphenyl-d14	20.262	244	553069	66.625	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.990	88	1449	2.811	ng	# 1
4) n-Nitrosodimethylamine	3.990	42	3250	5.096	ng	# 1
6) Aniline	7.655	93	5800	2.462	ng	93
10) Phenol	7.520	94	16573	8.992	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.965	45	4754	2.782	ng	61
19) n-Nitroso-di-n-propyla...	8.965	70	3511	2.595	ng	# 26
20) 3+4-Methylphenols	9.112	107	245132	129.017	ng	92
24) Nitrobenzene	9.112	77	83408	41.157	ng	# 50
27) 2,4-Dimethylphenol	10.540	122	9005	5.994	ng	# 1
32) Benzoic acid	10.540	122	9005	15.491	ng	# 75
57) 2,4-Dinitrotoluene	14.957	165	9431	5.030	ng	# 27
63) Azobenzene	16.291	77	17428	3.210	ng	# 1
67) 4-Bromophenyl-phenylether	16.437	248	7603	4.011	ng	# 1

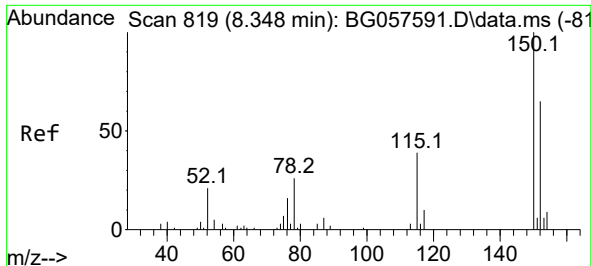
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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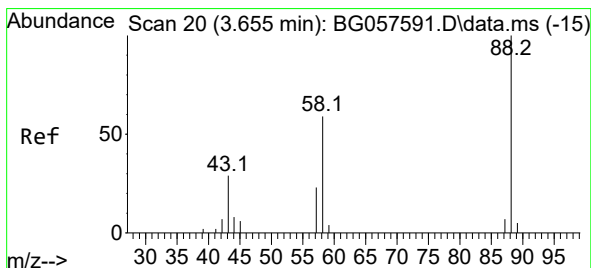
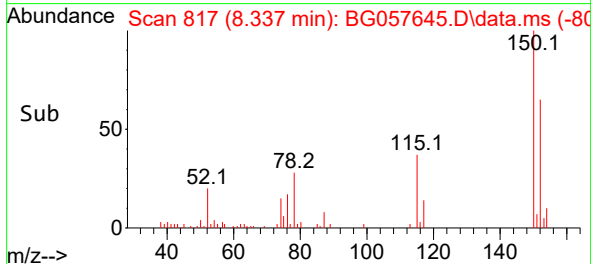
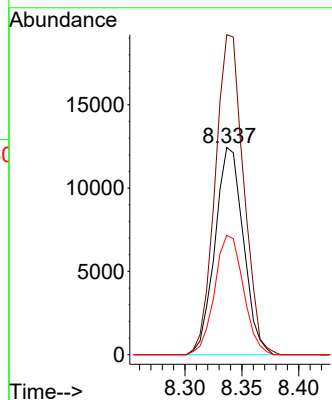
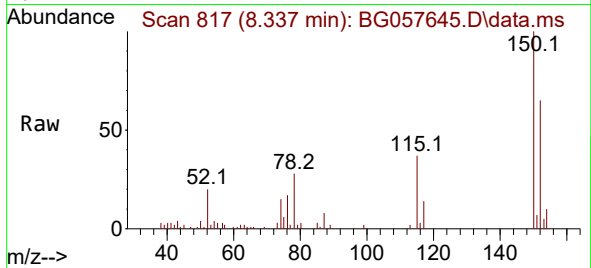




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

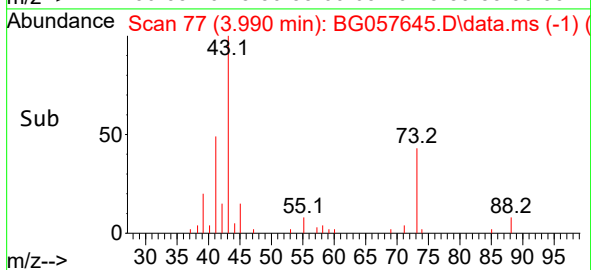
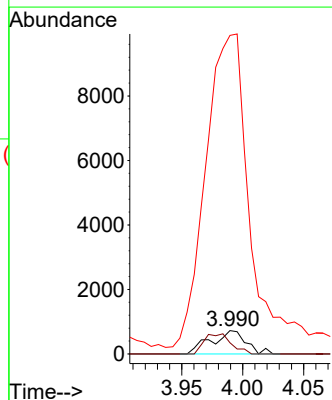
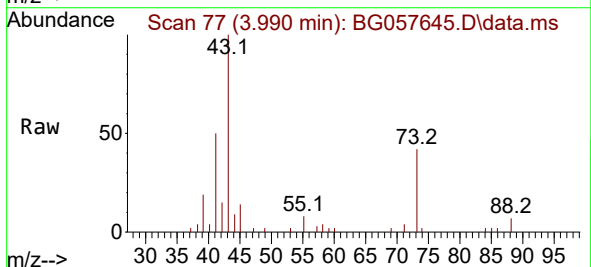
Instrument :
BNA_G
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DMA-1103

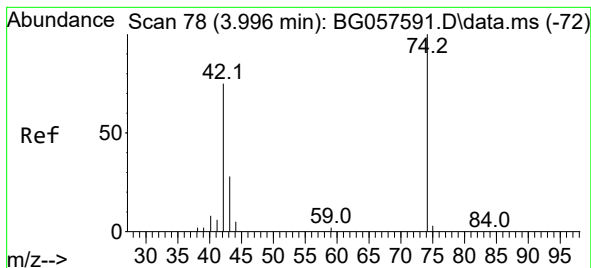
Tgt Ion:152 Resp: 21617
Ion Ratio Lower Upper
152 100
150 154.5 123.0 184.4
115 57.6 47.4 71.2



#2
1,4-Dioxane
Concen: 2.811 ng
RT: 3.990 min Scan# 77
Delta R.T. 0.350 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion: 88 Resp: 1449
Ion Ratio Lower Upper
88 100
58 66.7 52.6 79.0
43 1727.2 22.1 33.1#





#4

n-Nitrosodimethylamine

Concen: 5.096 ng

RT: 3.990 min Scan# 71

Delta R.T. 0.009 min

Lab File: BG057645.D

Acq: 6 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

DMA-1103

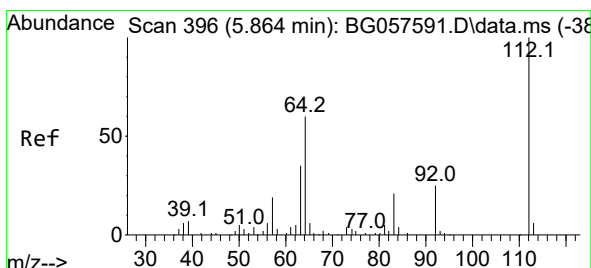
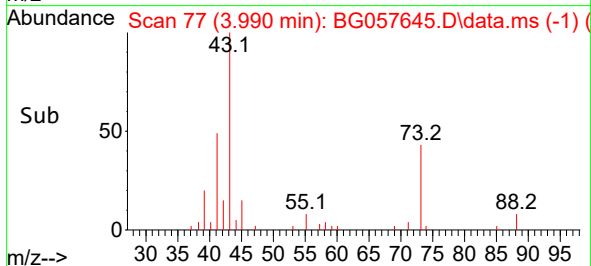
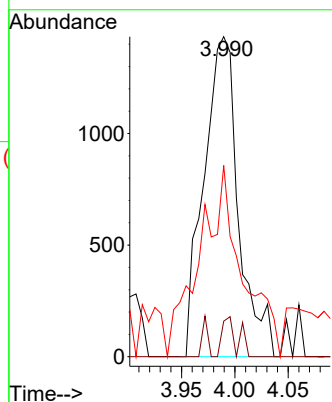
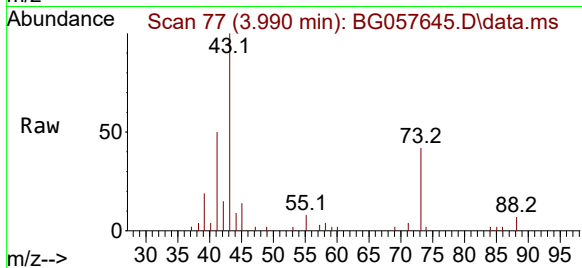
Tgt Ion: 42 Resp: 3250

Ion Ratio Lower Upper

42 100

74 11.1 107.3 160.9#

44 59.8 6.1 9.1#



#5

2-Fluorophenol

Concen: 49.722 ng

RT: 5.858 min Scan# 395

Delta R.T. 0.003 min

Lab File: BG057645.D

Acq: 6 Jun 2023 20:16

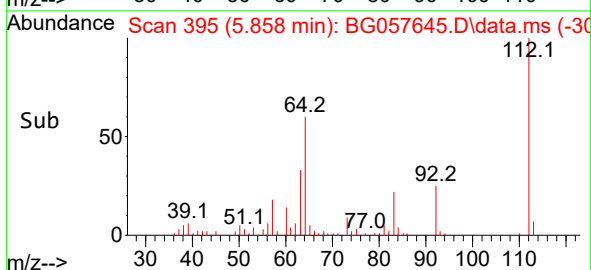
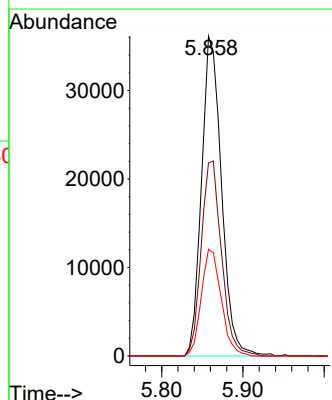
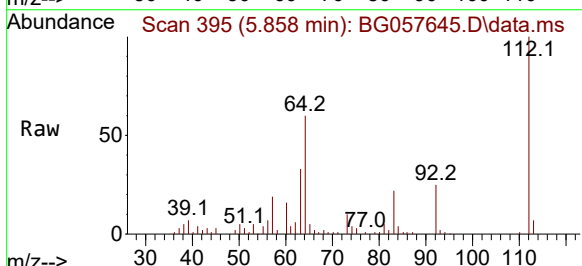
Tgt Ion: 112 Resp: 61868

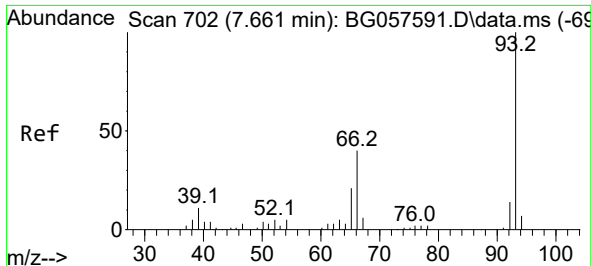
Ion Ratio Lower Upper

112 100

64 60.4 47.8 71.6

63 33.4 27.8 41.8

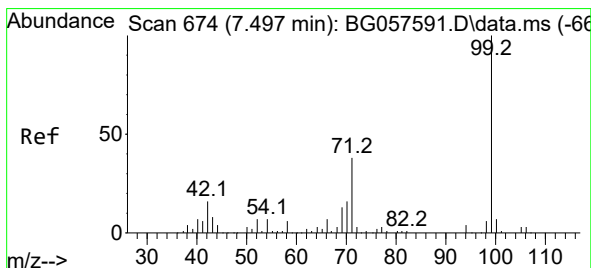
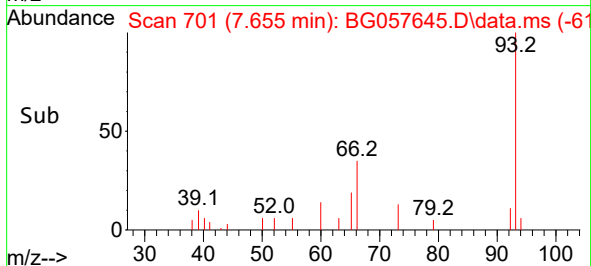
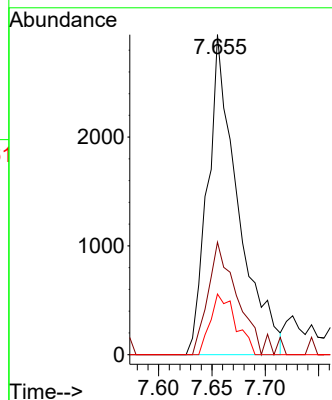
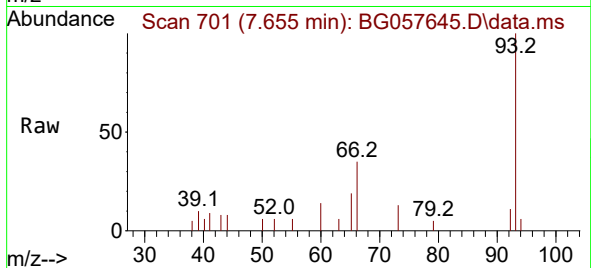




#6
Aniline
Concen: 2.462 ng
RT: 7.655 min Scan# 702
Delta R.T. 0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

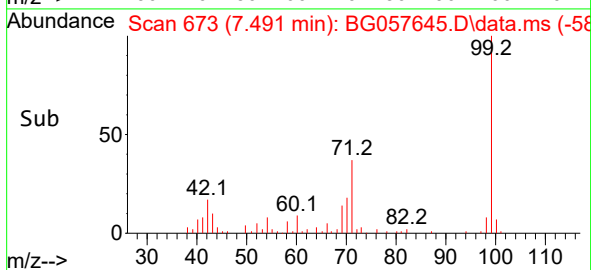
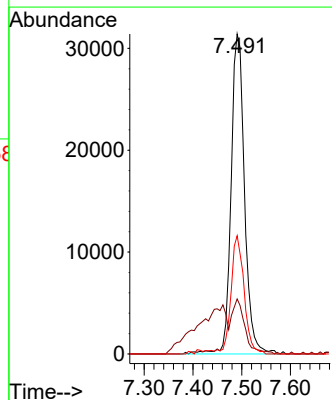
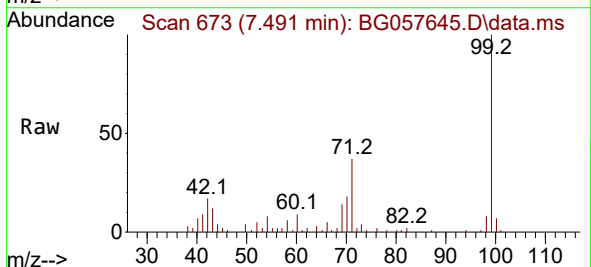
Instrument :
BNA_G
ClientSampleId :
DMA-1103

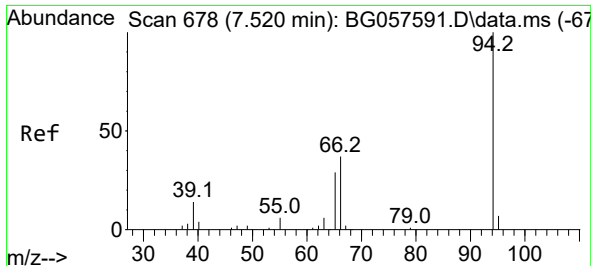
Tgt Ion: 93 Resp: 5800
Ion Ratio Lower Upper
93 100
66 35.1 32.2 48.4
65 19.0 16.7 25.1



#7
Phenol-d6
Concen: 30.912 ng
RT: 7.491 min Scan# 673
Delta R.T. 0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion: 99 Resp: 60194
Ion Ratio Lower Upper
99 100
42 17.2 12.8 19.2
71 37.0 30.3 45.5

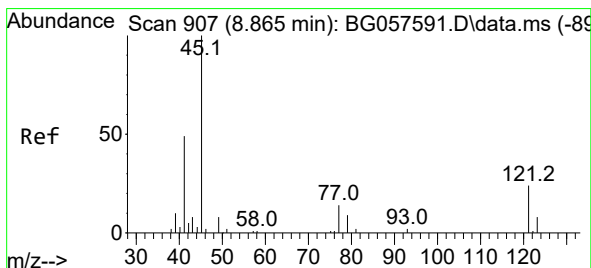
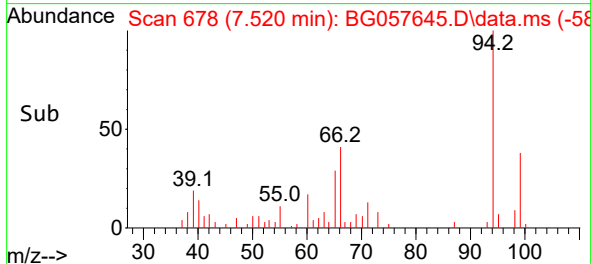
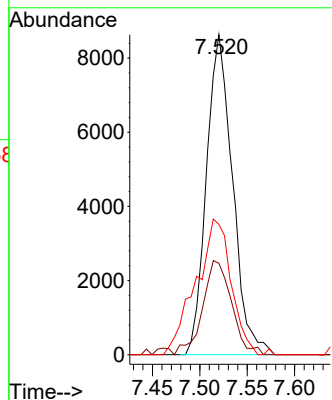
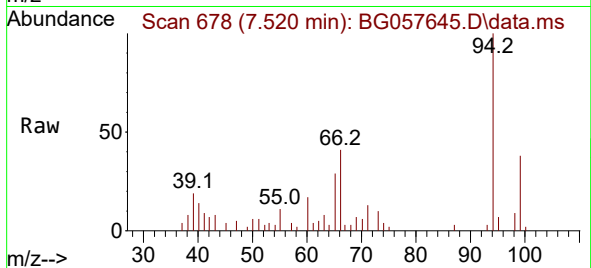




#10
Phenol
Concen: 8.992 ng
RT: 7.520 min Scan# 61
Delta R.T. 0.009 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

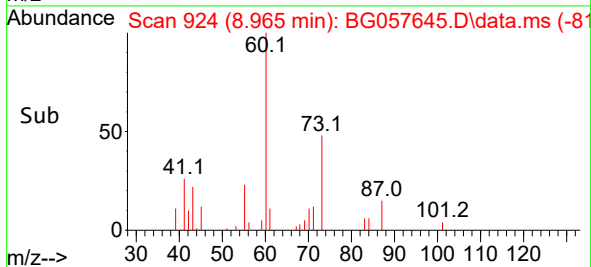
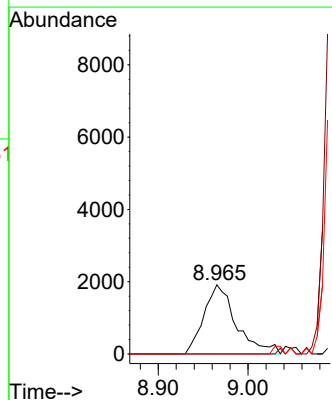
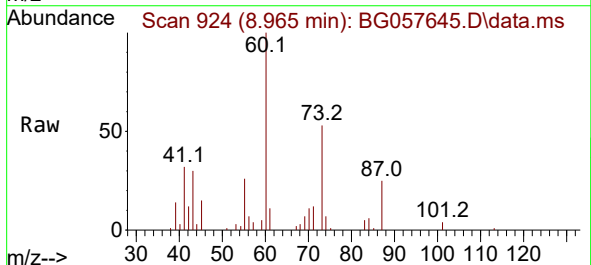
Instrument :
BNA_G
ClientSampleId :
DMA-1103

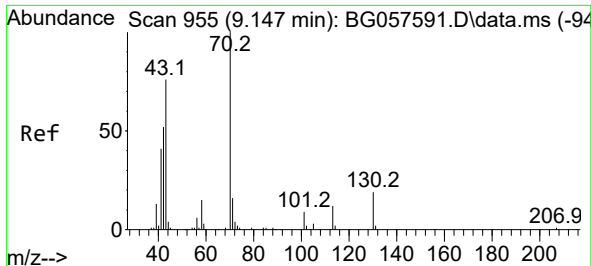
Tgt Ion: 94 Resp: 16573
Ion Ratio Lower Upper
94 100
65 28.5 9.6 49.6
66 40.7 22.0 62.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.782 ng
RT: 8.965 min Scan# 924
Delta R.T. 0.109 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion: 45 Resp: 4754
Ion Ratio Lower Upper
45 100
77 0.0 0.0 39.2
79 0.0 0.0 34.2

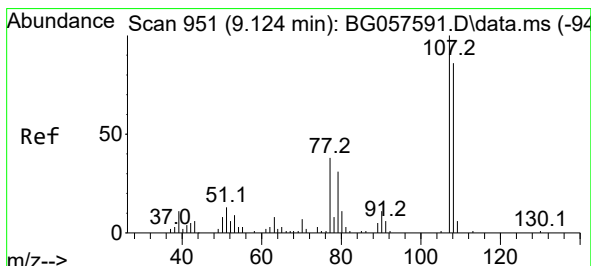
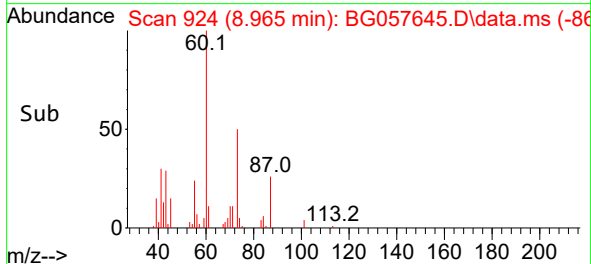
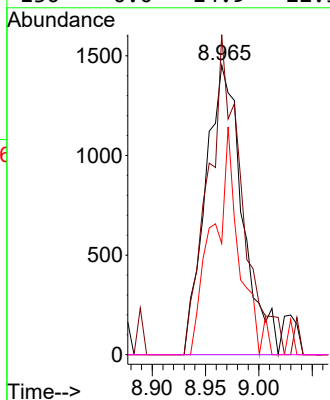
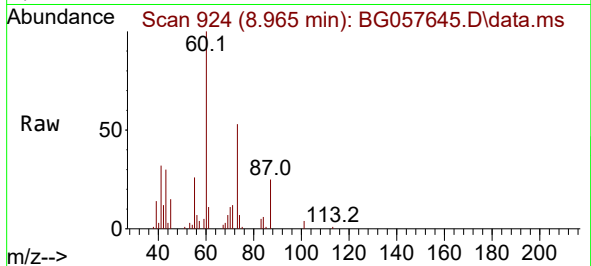




#19
n-Nitroso-di-n-propylamine
Concen: 2.595 ng
RT: 8.965 min Scan# 911
Delta R.T. -0.173 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

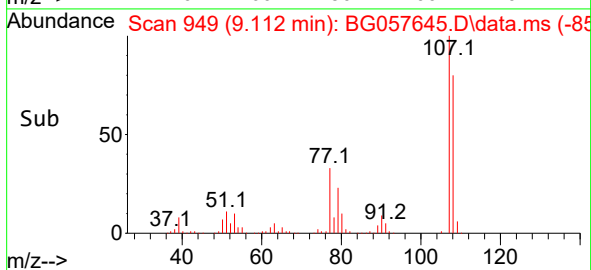
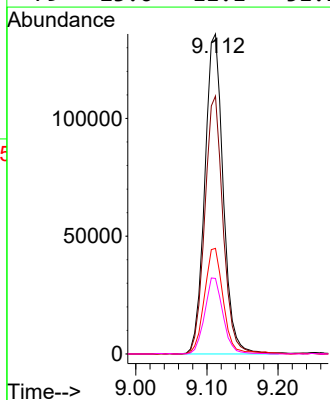
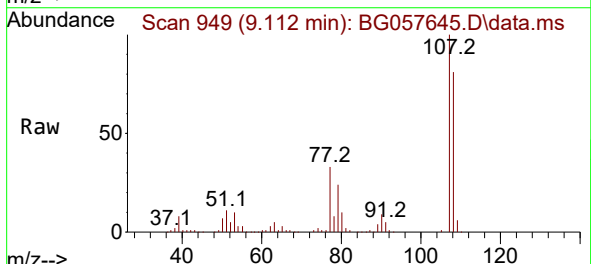
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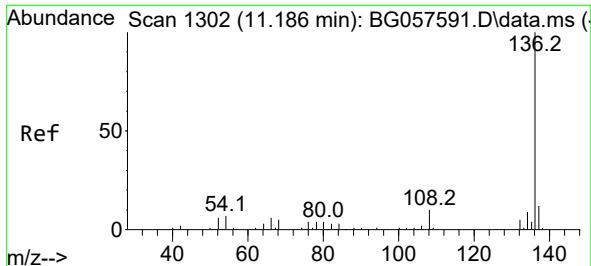
Tgt Ion: 70	Resp: 3511
Ion Ratio	Lower Upper
70 100	
42 110.5	41.4 62.0#
101 38.4	6.9 10.3#
130 0.0	14.9 22.3#



#20
3+4-Methylphenols
Concen: 129.017 ng
RT: 9.112 min Scan# 949
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt	Ion:107	Resp:	245132
Ion	Ratio	Lower	Upper
107	100		
108	80.6	65.6	105.6
77	33.0	18.0	58.0
79	23.6	11.1	51.1

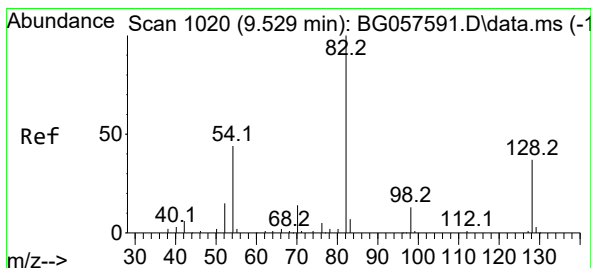
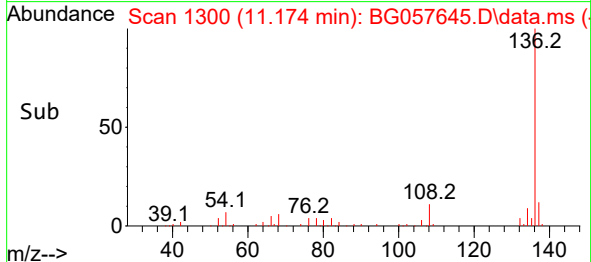
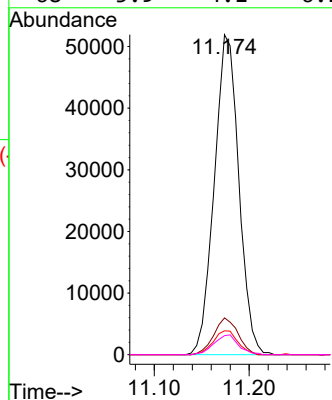
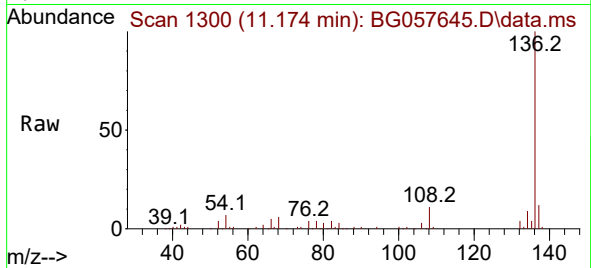




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

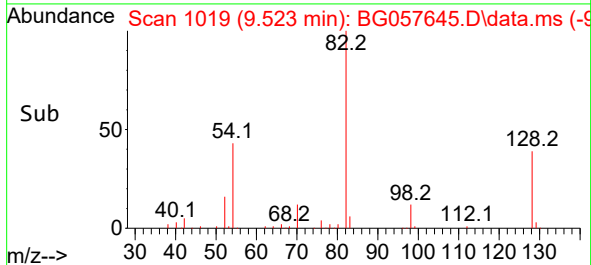
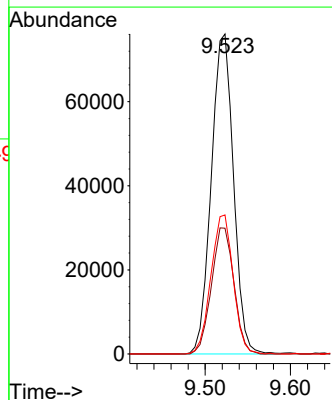
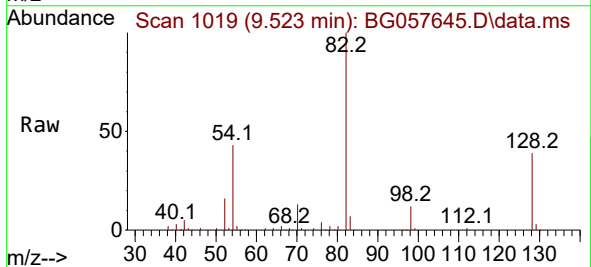
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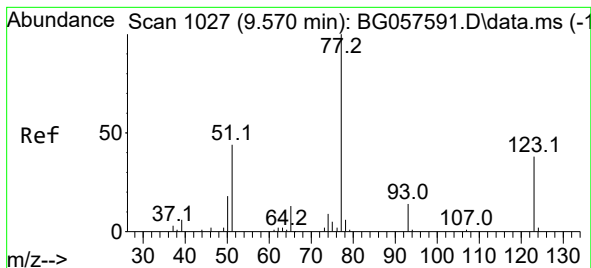
Tgt Ion:136	Resp:	93327
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.8 14.8
54	7.4	5.8 8.6
68	5.9	4.1 6.1



#23
Nitrobenzene-d5
Concen: 68.987 ng
RT: 9.523 min Scan# 1019
Delta R.T. 0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion: 82	Resp:	137730
Ion Ratio	Lower	Upper
82	100	
128	39.3	30.0 45.0
54	43.4	35.2 52.8





#24

Nitrobenzene

Concen: 41.157 ng

RT: 9.112 min Scan# 949

Delta R.T. -0.449 min

Lab File: BG057645.D

Acq: 6 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

DMA-1103

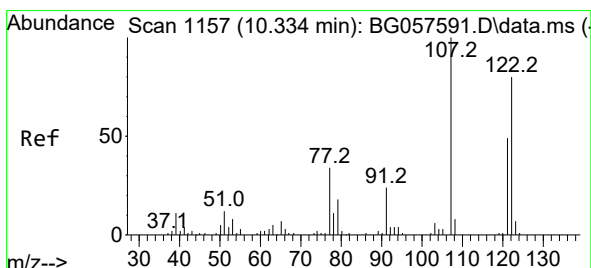
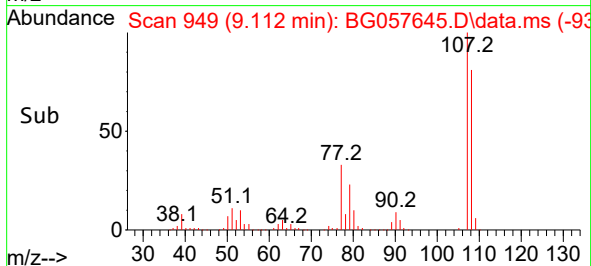
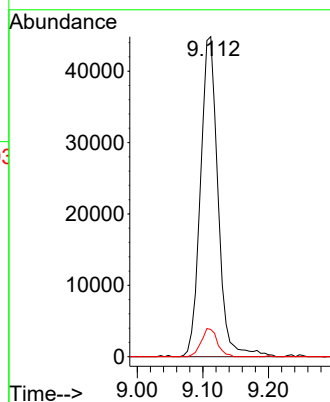
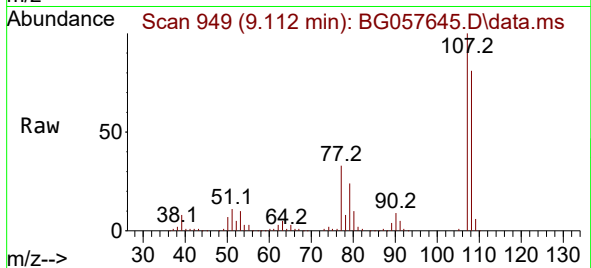
Tgt Ion: 77 Resp: 83408

Ion Ratio Lower Upper

77 100

123 0.0 30.6 46.0#

65 8.5 10.2 15.4#



#27

2,4-Dimethylphenol

Concen: 5.994 ng

RT: 10.540 min Scan# 1192

Delta R.T. 0.214 min

Lab File: BG057645.D

Acq: 6 Jun 2023 20:16

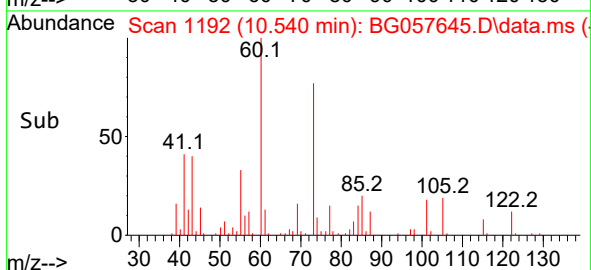
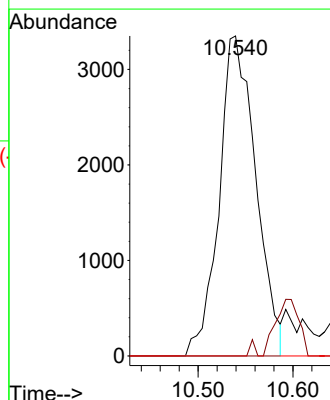
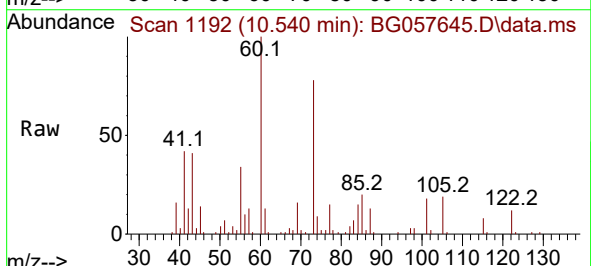
Tgt Ion: 122 Resp: 9005

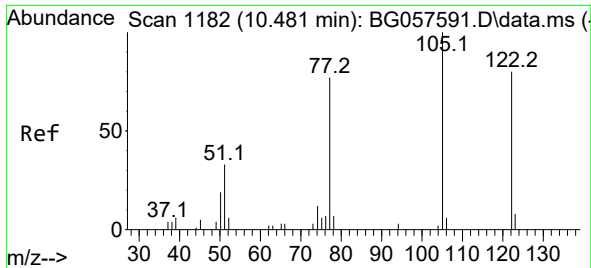
Ion Ratio Lower Upper

122 100

107 0.0 99.4 149.2#

121 0.0 48.4 72.6#

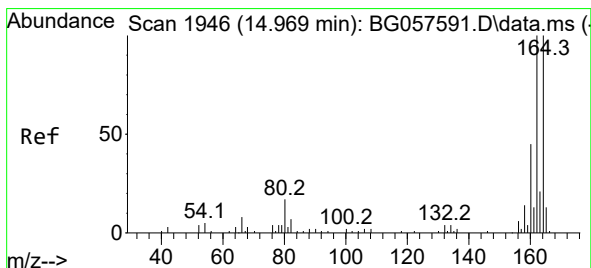
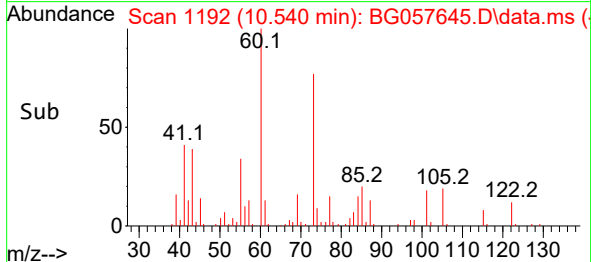
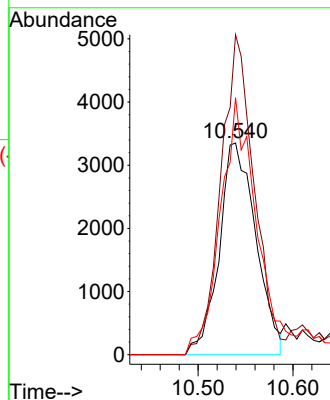
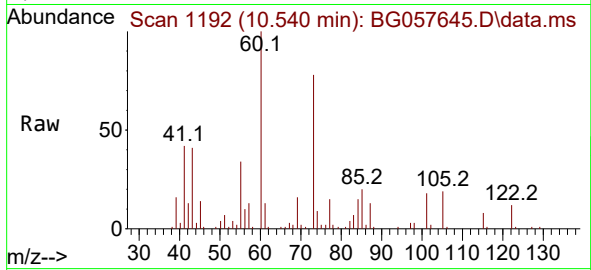




#32
Benzoic acid
Concen: 15.491 ng
RT: 10.540 min Scan# 1182
Delta R.T. 0.062 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

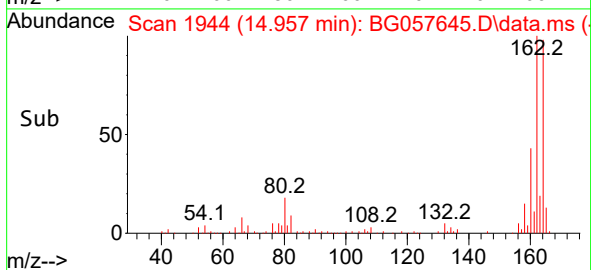
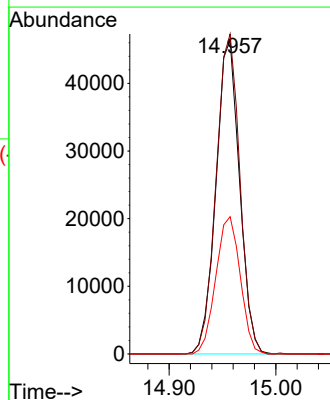
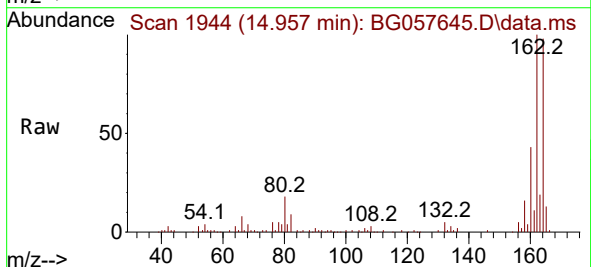
Instrument :
BNA_G
ClientSampleId :
DMA-1103

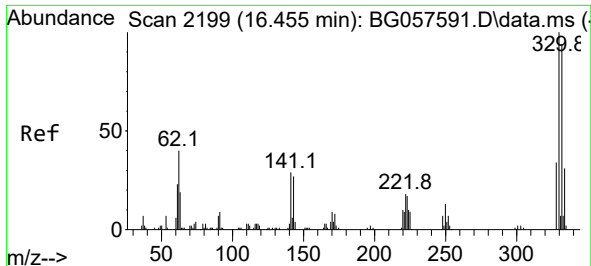
Tgt Ion:122 Resp: 9005
Ion Ratio Lower Upper
122 100
105 151.2 104.8 144.8#
77 121.5 75.8 115.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.957 min Scan# 1944
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion:164 Resp: 70972
Ion Ratio Lower Upper
164 100
162 101.8 80.1 120.1
160 43.7 35.9 53.9

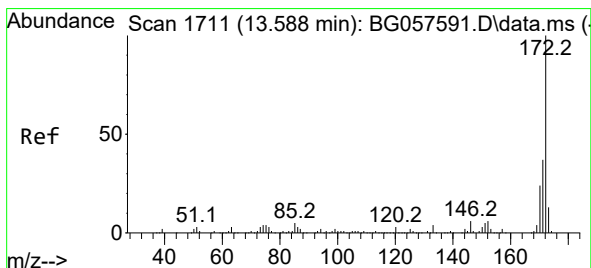
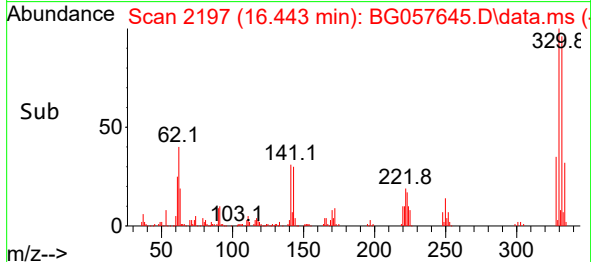
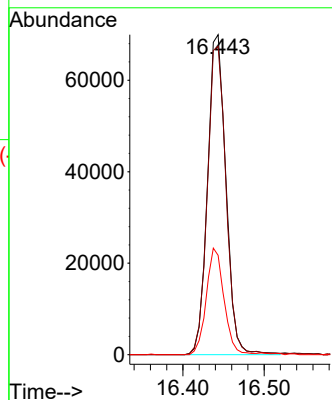
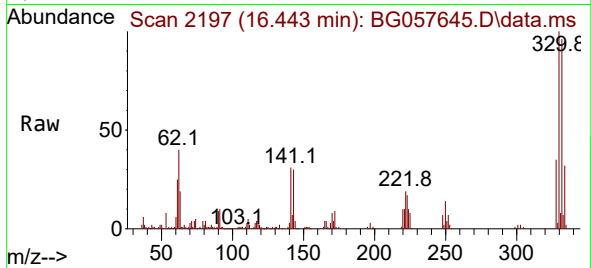




#42
2,4,6-Tribromophenol
Concen: 96.580 ng
RT: 16.443 min Scan# 2197
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

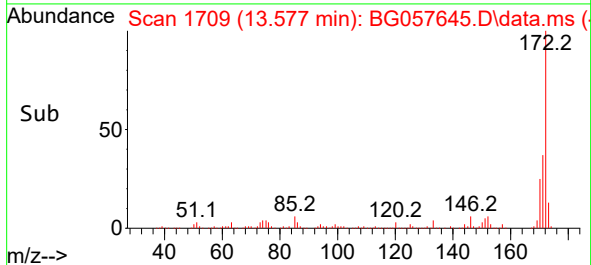
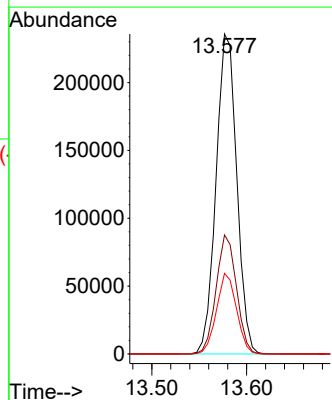
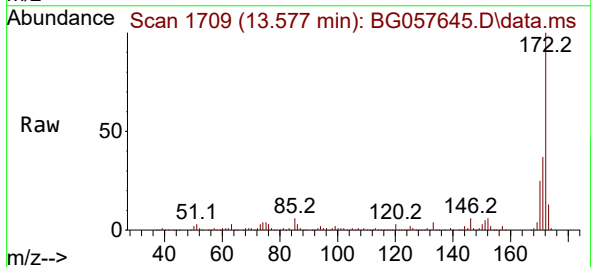
Instrument :
BNA_G
ClientSampleId :
DMA-1103

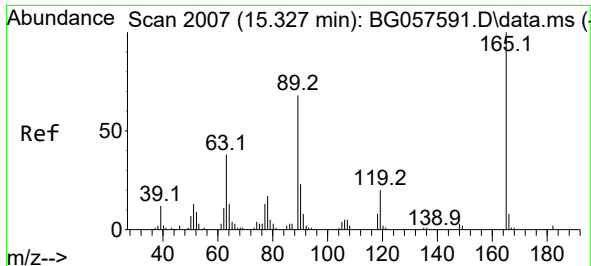
Tgt Ion:330 Resp: 109742
Ion Ratio Lower Upper
330 100
332 98.1 77.3 115.9
141 32.1 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 72.430 ng
RT: 13.577 min Scan# 1709
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion:172 Resp: 357697
Ion Ratio Lower Upper
172 100
171 37.2 29.2 43.8
170 25.2 19.0 28.4





#57

2,4-Dinitrotoluene

Concen: 5.030 ng

RT: 14.957 min Scan# 1944

Delta R.T. -0.367 min

Lab File: BG057645.D

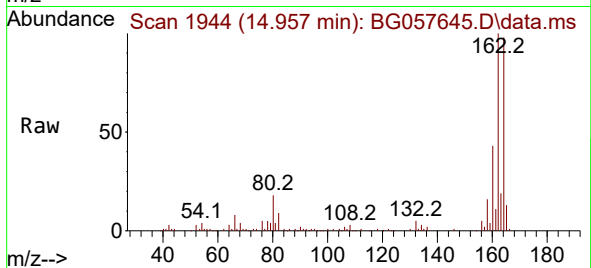
Acq: 6 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

DMA-1103



Tgt Ion:165 Resp: 9431

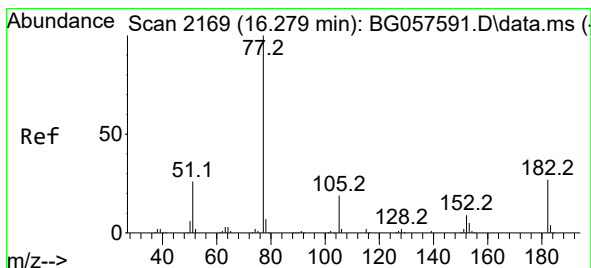
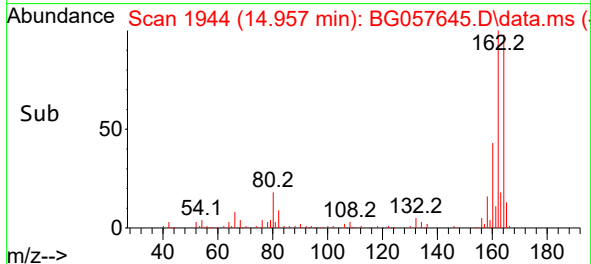
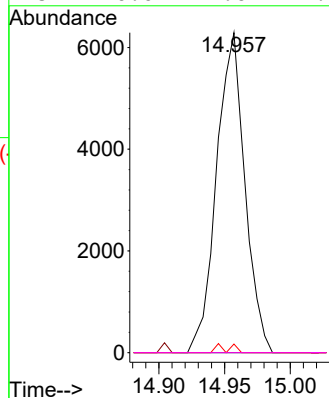
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 2.7 54.2 81.2#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 3.210 ng

RT: 16.291 min Scan# 2171

Delta R.T. 0.021 min

Lab File: BG057645.D

Acq: 6 Jun 2023 20:16

Tgt Ion: 77 Resp: 17428

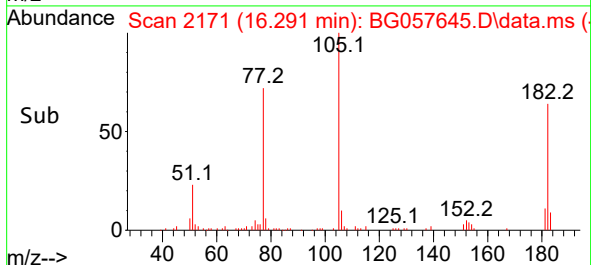
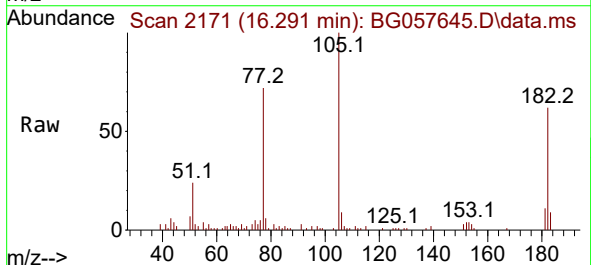
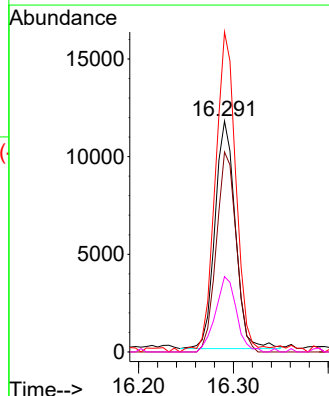
Ion Ratio Lower Upper

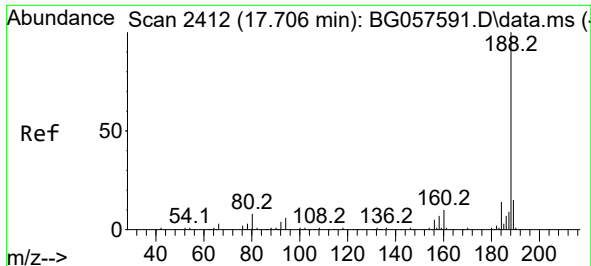
77 100

182 86.6 7.4 47.4#

105 138.6 0.0 39.4#

51 32.7 6.2 46.2

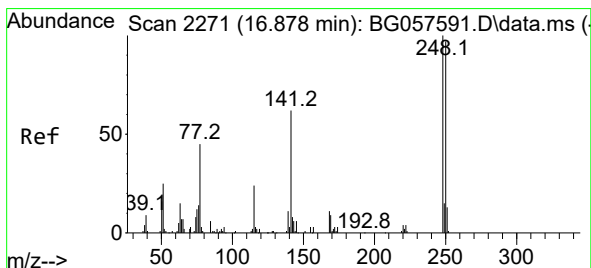
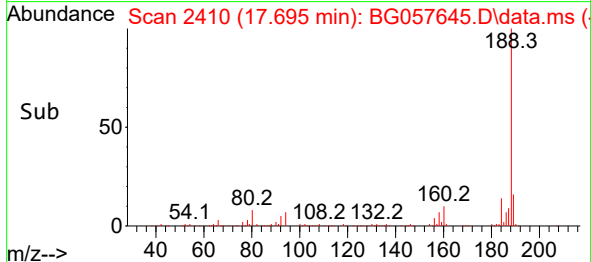
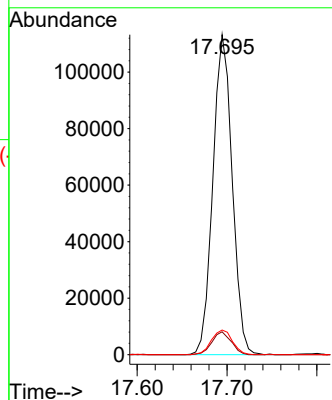
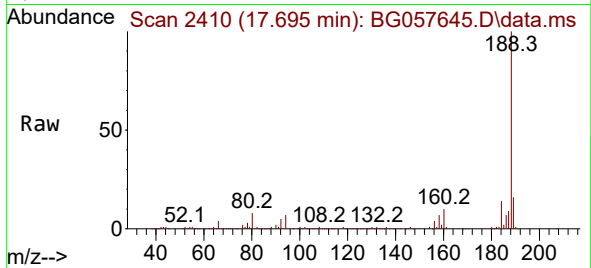




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2412
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

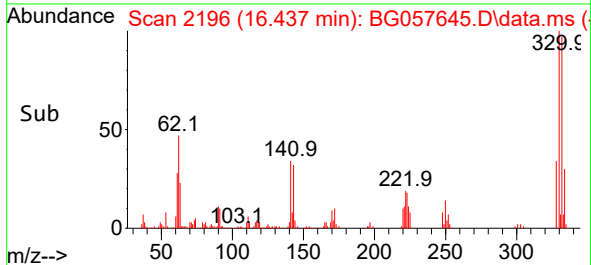
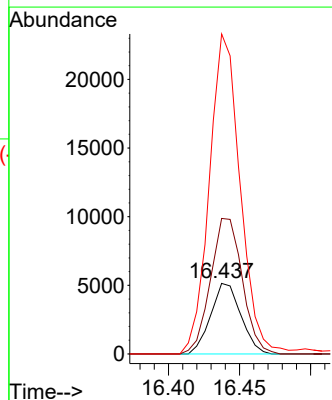
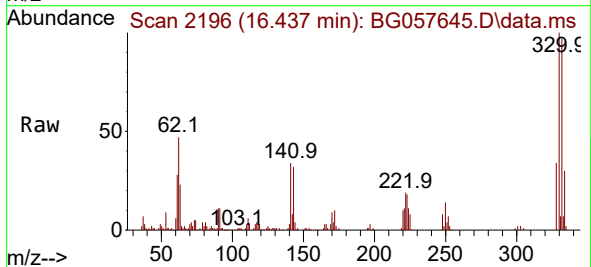
Instrument :
BNA_G
ClientSampleId :
DMA-1103

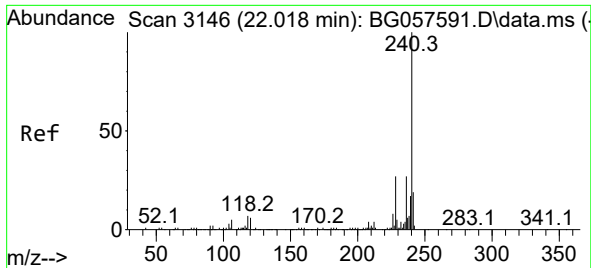
Tgt Ion:188 Resp: 168991
Ion Ratio Lower Upper
188 100
94 7.2 5.2 7.8
80 7.7 6.7 10.1



#67
4-Bromophenyl-phenylether
Concen: 4.011 ng
RT: 16.437 min Scan# 2196
Delta R.T. -0.432 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion:248 Resp: 7603
Ion Ratio Lower Upper
248 100
250 191.9 77.4 116.2#
141 453.1 49.4 74.0#

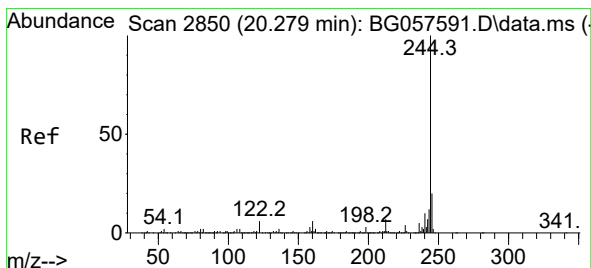
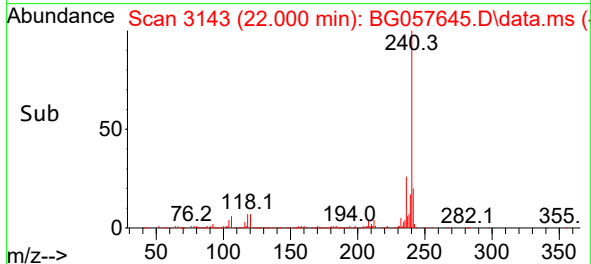
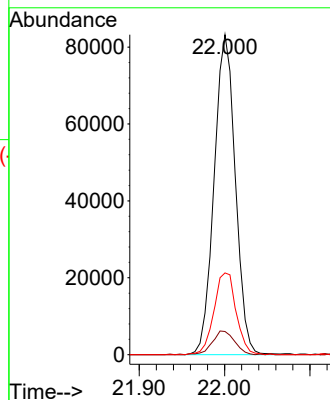
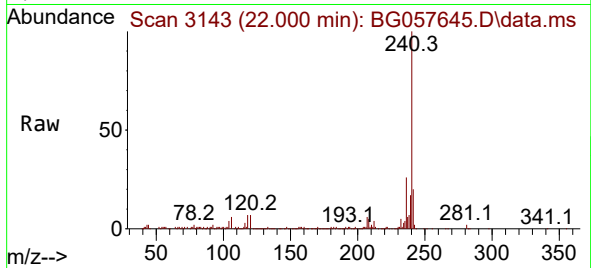




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.000 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

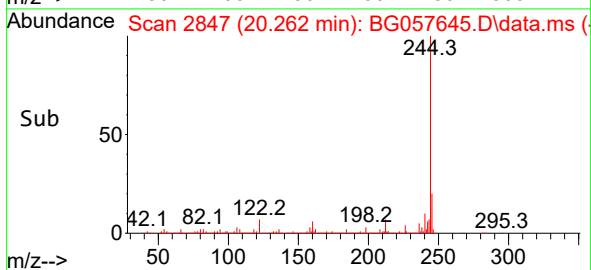
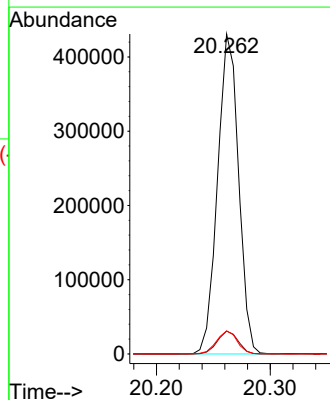
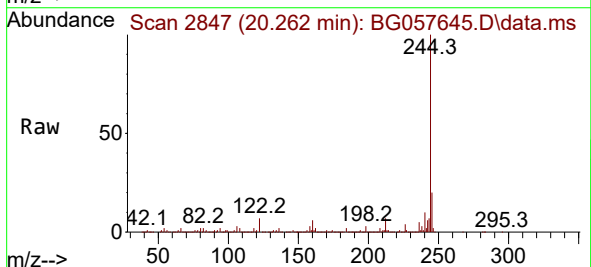
Instrument :
BNA_G
ClientSampleId :
DMA-1103

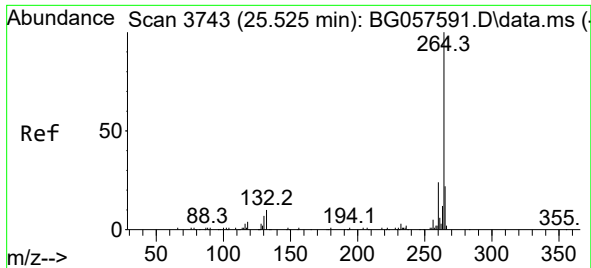
Tgt Ion:240 Resp: 143795
Ion Ratio Lower Upper
240 100
120 7.2 5.2 7.8
236 25.5 21.4 32.0



#79
Terphenyl-d14
Concen: 66.625 ng
RT: 20.262 min Scan# 2847
Delta R.T. -0.003 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Tgt Ion:244 Resp: 553069
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 7.2 4.8 7.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.490 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG057645.D
Acq: 6 Jun 2023 20:16

Instrument :
BNA_G
ClientSampleId :
DMA-1103

Tgt Ion:264 Resp: 156207

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	20.8	17.7	26.5

