

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060623\
 Data File : BG057653.D
 Acq On : 7 Jun 2023 2:31
 Operator : CG/JU
 Sample : PB153181BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB153181BL

Quant Time: Jun 07 03:53:25 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)

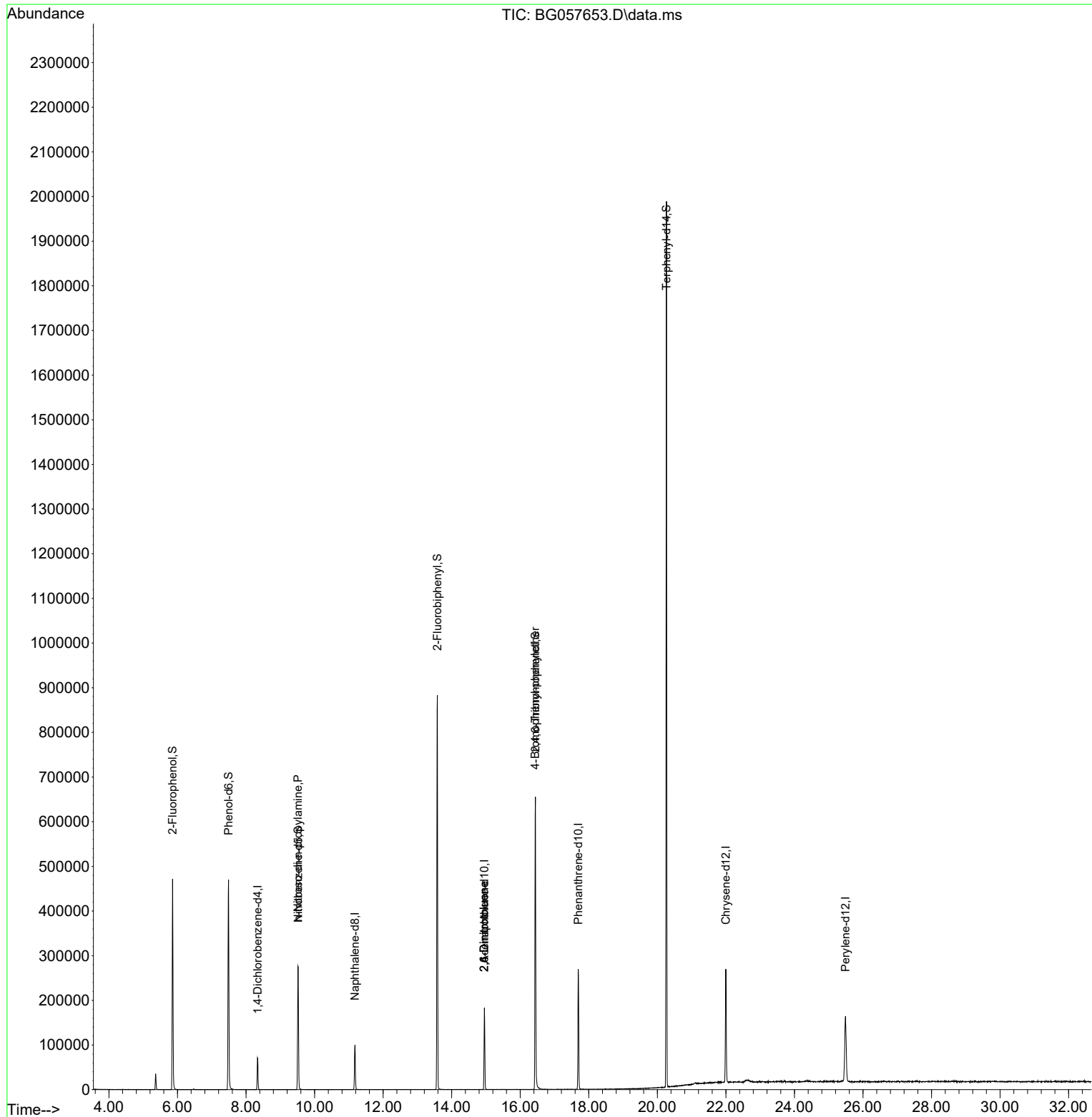
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	22152	20.000	ng	0.00
21) Naphthalene-d8	11.178	136	91190	20.000	ng	0.00
39) Acenaphthene-d10	14.955	164	69183	20.000	ng	0.00
64) Phenanthrene-d10	17.692	188	185036	20.000	ng	# 0.00
76) Chrysene-d12	21.998	240	170468	20.000	ng	0.00
86) Perylene-d12	25.488	264	180848	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.855	112	214354	168.111	ng	0.00
7) Phenol-d6	7.489	99	310029	155.366	ng	0.00
23) Nitrobenzene-d5	9.521	82	192011	98.429	ng	0.00
42) 2,4,6-Tribromophenol	16.441	330	149934	135.364	ng	0.00
45) 2-Fluorobiphenyl	13.580	172	497773	103.401	ng	0.00
79) Terphenyl-d14	20.265	244	1012313	102.867	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.515	70	24585	17.734	ng	# 80
51) 2,6-Dinitrotoluene	14.949	165	9209	7.545	ng	# 29
57) 2,4-Dinitrotoluene	14.949	165	9209	5.039	ng	# 27
67) 4-Bromophenyl-phenylether	16.435	248	10385	5.003	ng	# 1

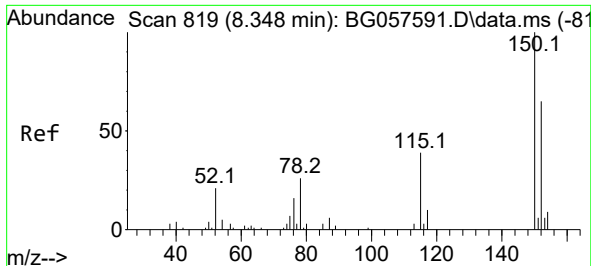
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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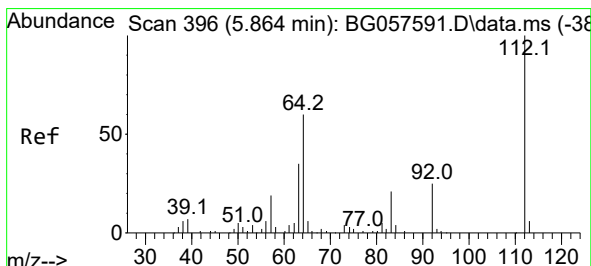
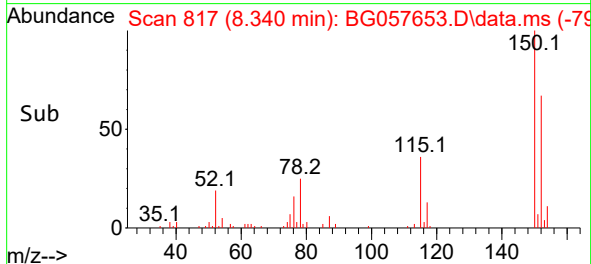
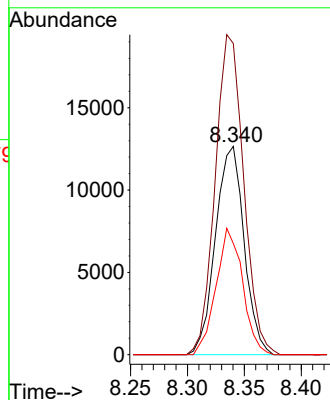
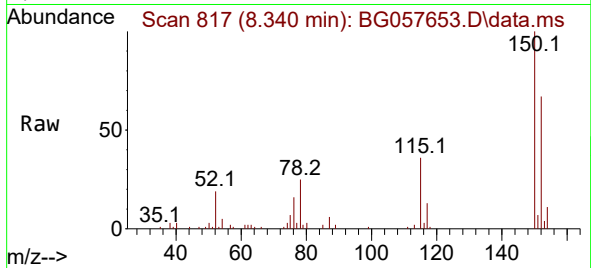




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 819
Delta R.T. 0.006 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

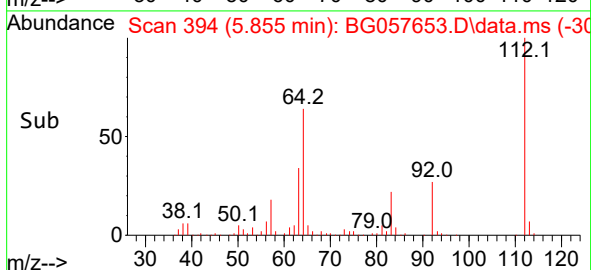
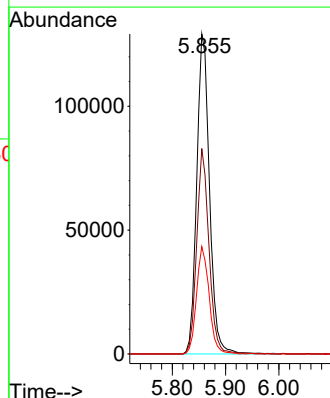
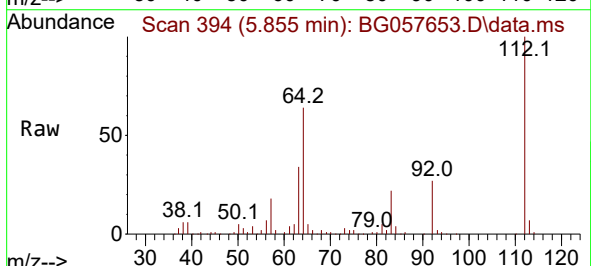
Instrument :
BNA_G
ClientSampleId :
PB153181BL

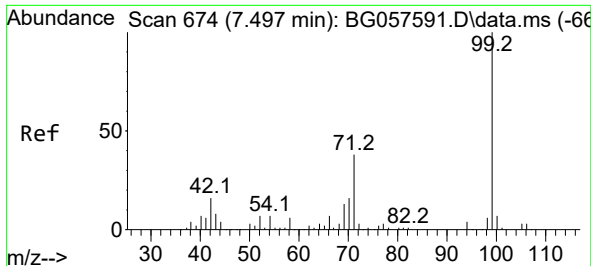
Tgt Ion:152 Resp: 22152
Ion Ratio Lower Upper
152 100
150 149.4 123.0 184.4
115 53.4 47.4 71.2



#5
2-Fluorophenol
Concen: 168.111 ng
RT: 5.855 min Scan# 394
Delta R.T. 0.001 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

Tgt Ion:112 Resp: 214354
Ion Ratio Lower Upper
112 100
64 64.2 47.8 71.6
63 33.5 27.8 41.8

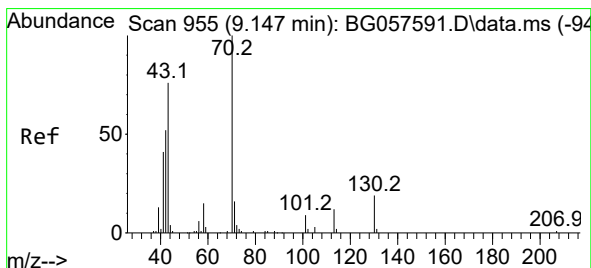
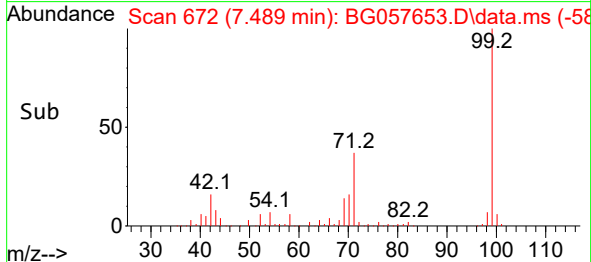
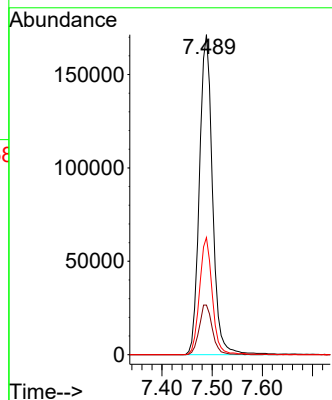
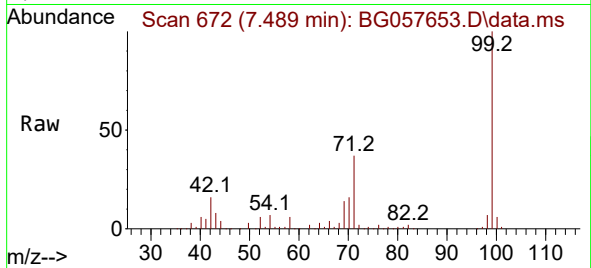




#7
Phenol-d6
Concen: 155.366 ng
RT: 7.489 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

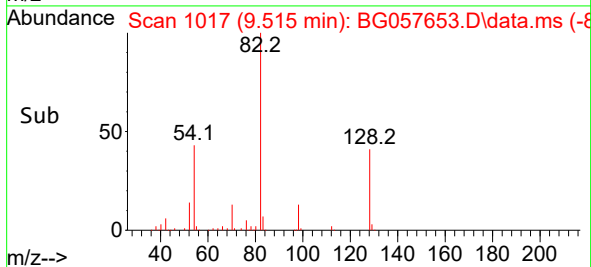
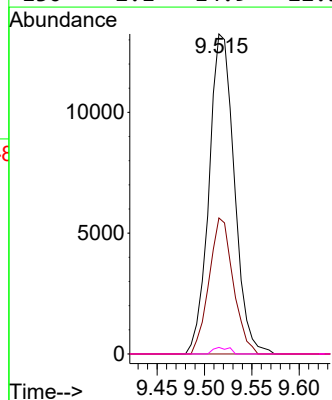
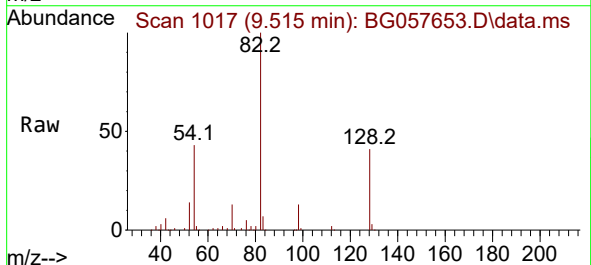
Instrument :
BNA_G
ClientSampleId :
PB153181BL

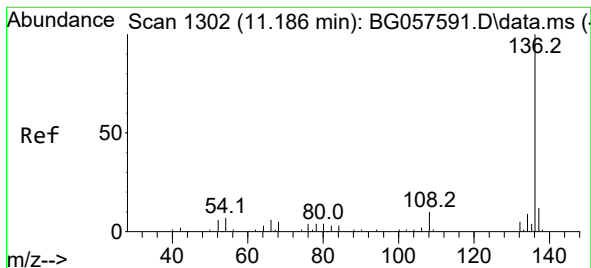
Tgt Ion: 99 Resp: 310029
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 36.6 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.734 ng
RT: 9.515 min Scan# 1017
Delta R.T. 0.377 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

Tgt Ion: 70 Resp: 24585
Ion Ratio Lower Upper
70 100
42 42.5 41.4 62.0
101 0.0 6.9 10.3#
130 2.1 14.9 22.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.178 min Scan# 11

Delta R.T. 0.001 min

Lab File: BG057653.D

Acq: 7 Jun 2023 2:31

Instrument :

BNA_G

ClientSampleId :

PB153181BL

Tgt Ion:136 Resp: 91190

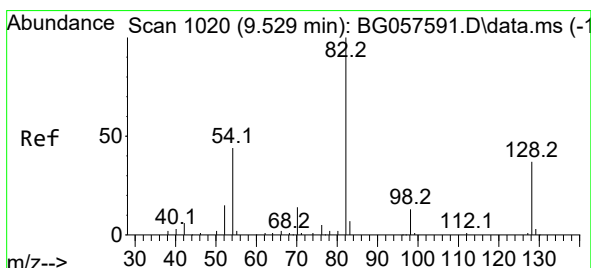
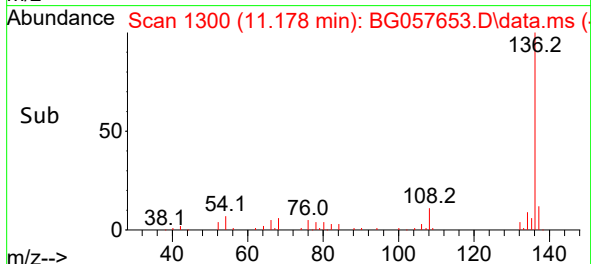
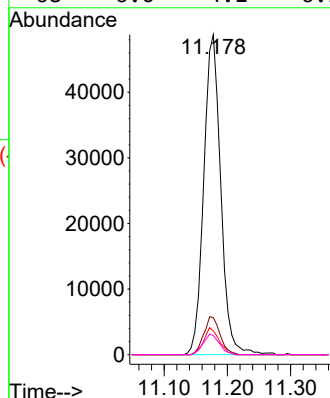
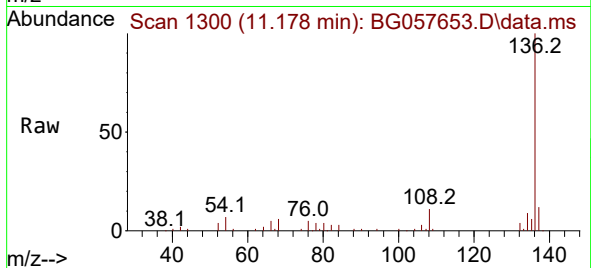
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 7.4 5.8 8.6

68 6.0 4.1 6.1



#23

Nitrobenzene-d5

Concen: 98.429 ng

RT: 9.521 min Scan# 1018

Delta R.T. 0.001 min

Lab File: BG057653.D

Acq: 7 Jun 2023 2:31

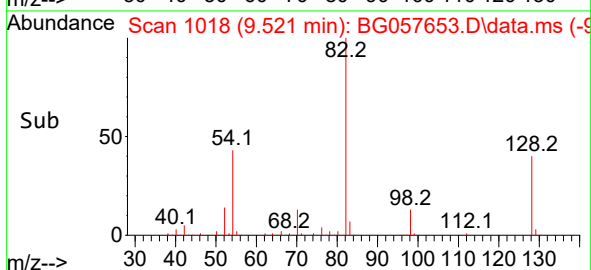
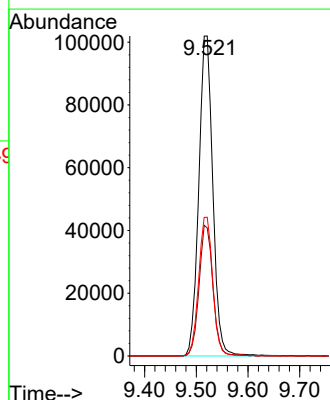
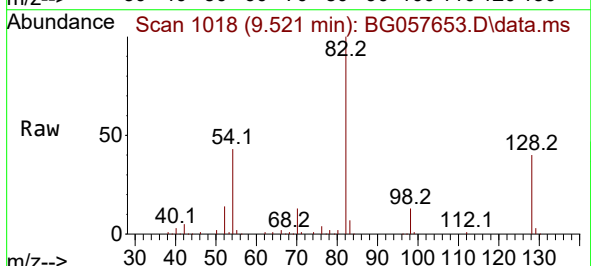
Tgt Ion: 82 Resp: 192011

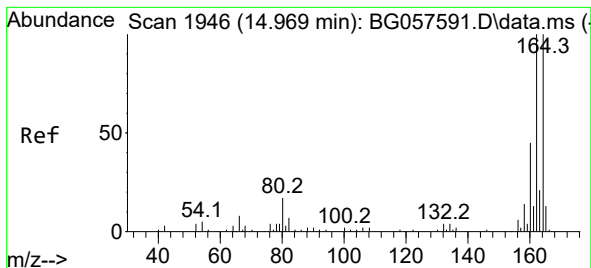
Ion Ratio Lower Upper

82 100

128 40.0 30.0 45.0

54 43.4 35.2 52.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.955 min Scan# 1943

Delta R.T. -0.005 min

Lab File: BG057653.D

Acq: 7 Jun 2023 2:31

Instrument :

BNA_G

ClientSampleId :

PB153181BL

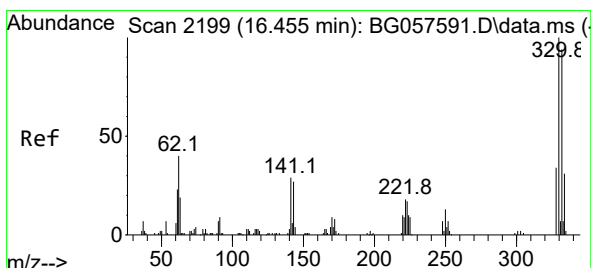
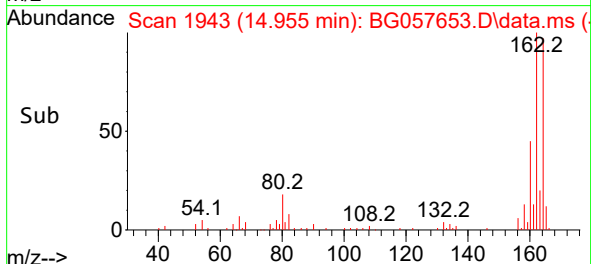
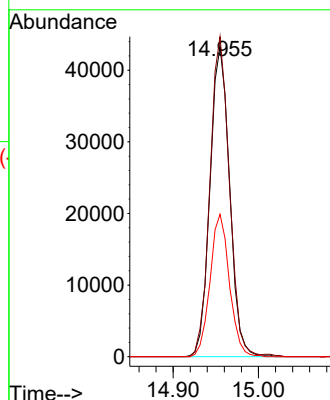
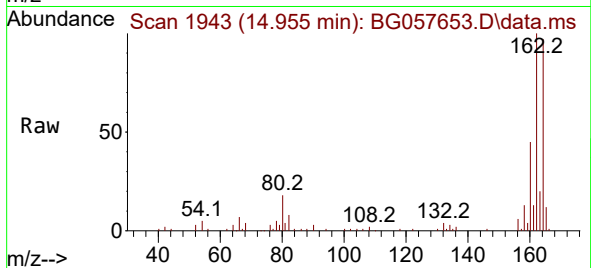
Tgt Ion:164 Resp: 69183

Ion Ratio Lower Upper

164 100

162 103.2 80.1 120.1

160 45.9 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 135.364 ng

RT: 16.441 min Scan# 2196

Delta R.T. -0.005 min

Lab File: BG057653.D

Acq: 7 Jun 2023 2:31

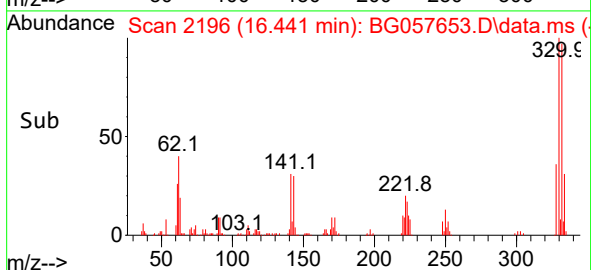
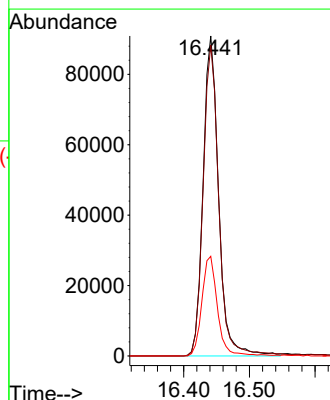
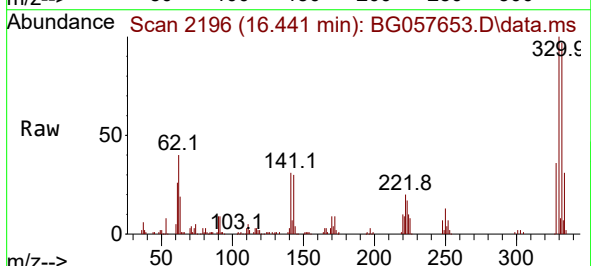
Tgt Ion:330 Resp: 149934

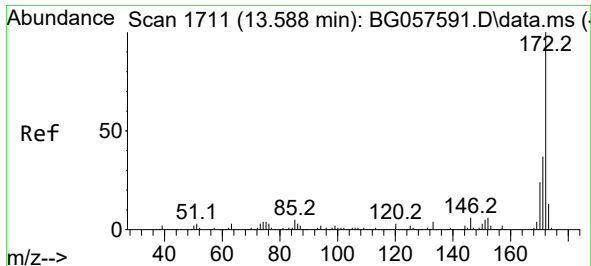
Ion Ratio Lower Upper

330 100

332 98.3 77.3 115.9

141 31.2 24.6 37.0

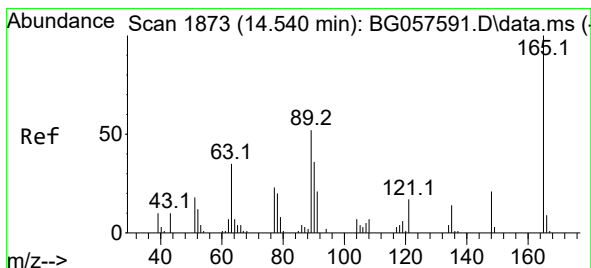
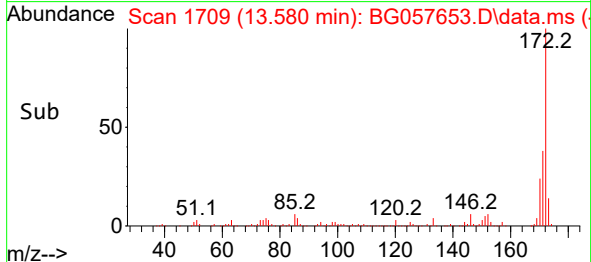
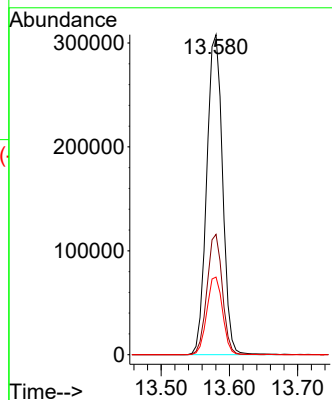
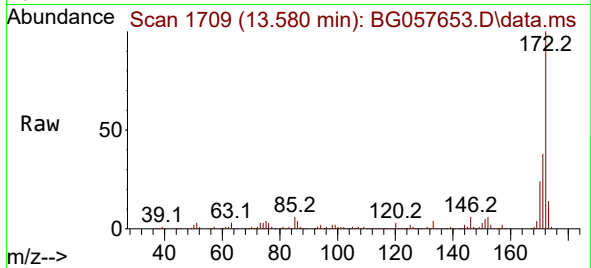




#45
2-Fluorobiphenyl
Concen: 103.401 ng
RT: 13.580 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

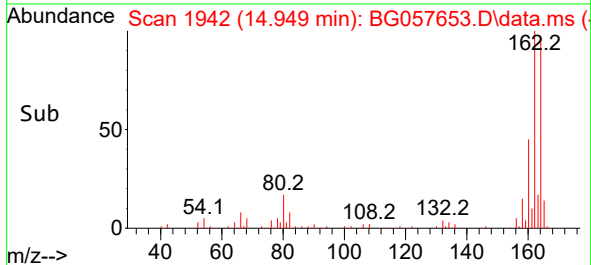
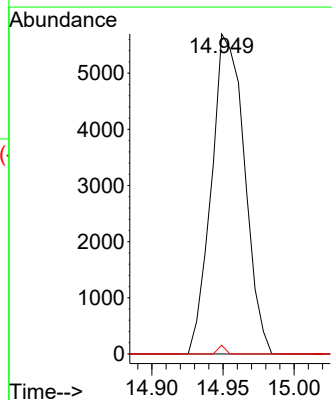
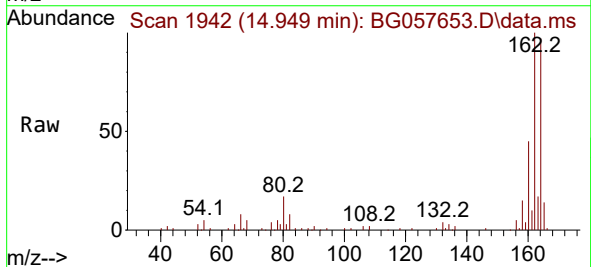
Instrument :
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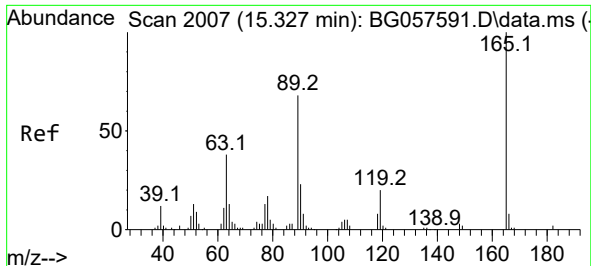
Tgt Ion:172 Resp: 497773
Ion Ratio Lower Upper
172 100
171 37.6 29.2 43.8
170 24.3 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.545 ng
RT: 14.949 min Scan# 1942
Delta R.T. 0.418 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

Tgt Ion:165 Resp: 9209
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 2.8 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 5.039 ng

RT: 14.949 min Scan# 14

Delta R.T. -0.375 min

Lab File: BG057653.D

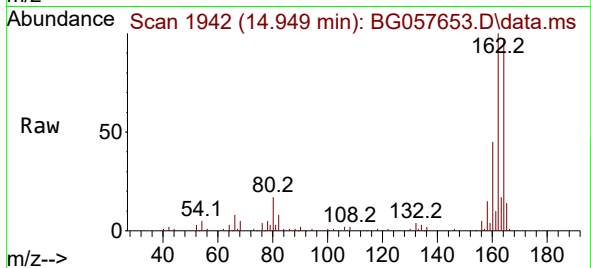
Acq: 7 Jun 2023 2:31

Instrument :

BNA_G

ClientSampleId :

PB153181BL



Tgt Ion:165 Resp: 9209

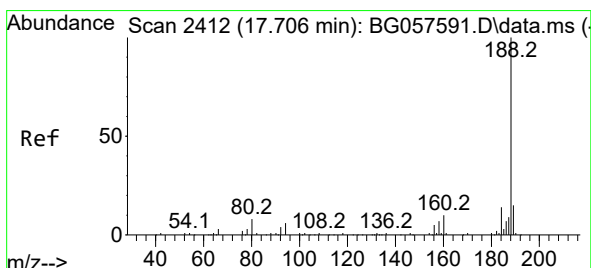
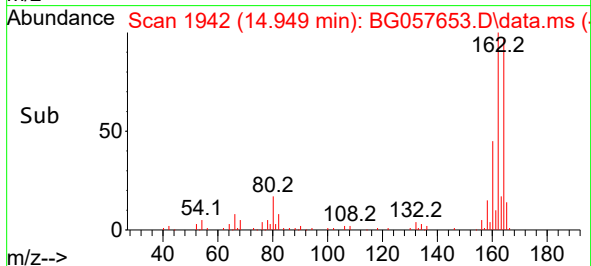
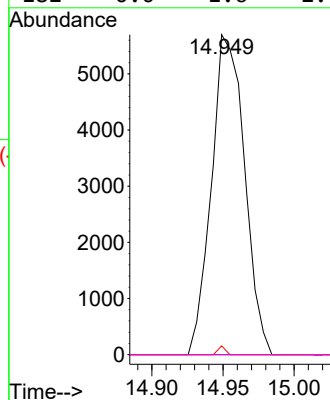
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 2.8 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.692 min Scan# 2409

Delta R.T. -0.005 min

Lab File: BG057653.D

Acq: 7 Jun 2023 2:31

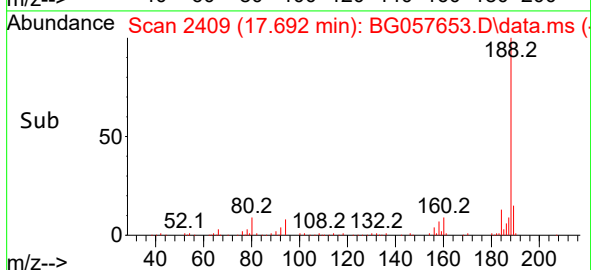
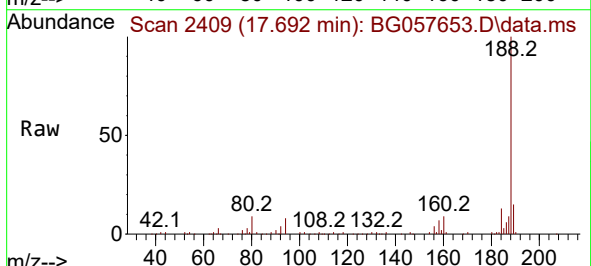
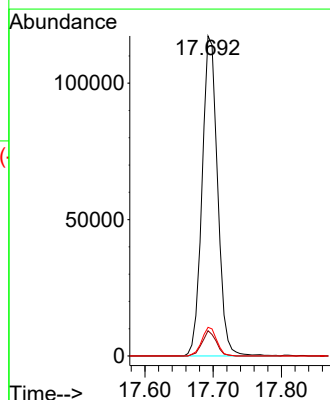
Tgt Ion:188 Resp: 185036

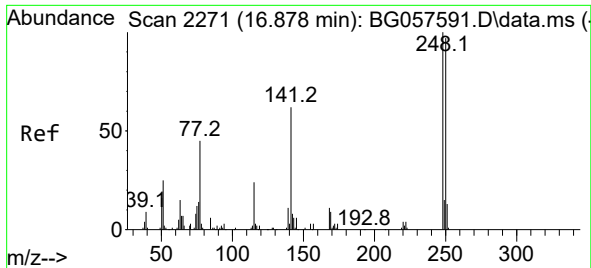
Ion Ratio Lower Upper

188 100

94 7.9 5.2 7.8#

80 8.9 6.7 10.1

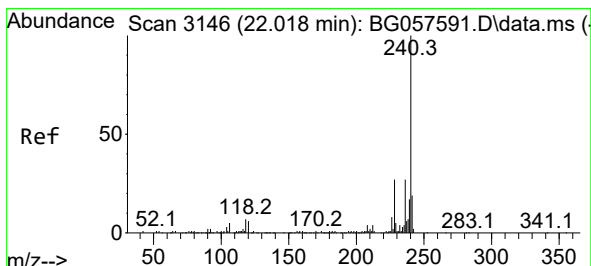
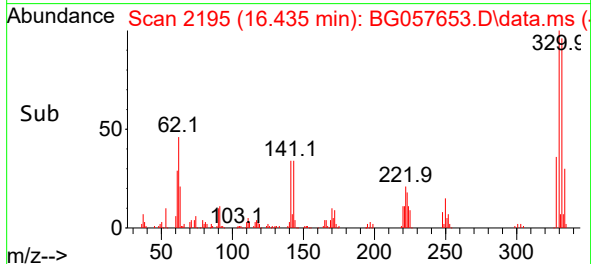
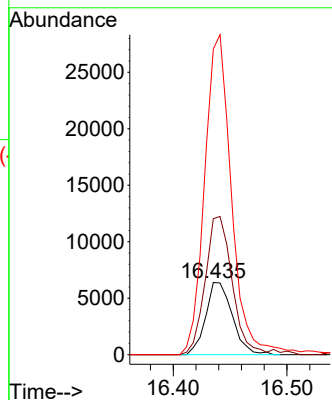
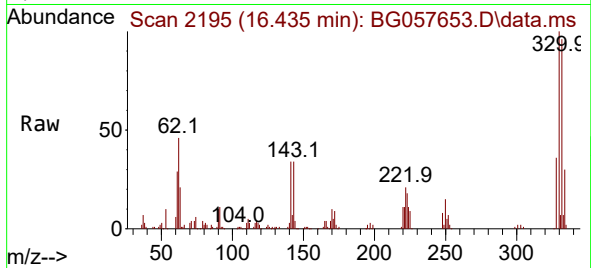




#67
4-Bromophenyl-phenylether
Concen: 5.003 ng
RT: 16.435 min Scan# 2195
Delta R.T. -0.434 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

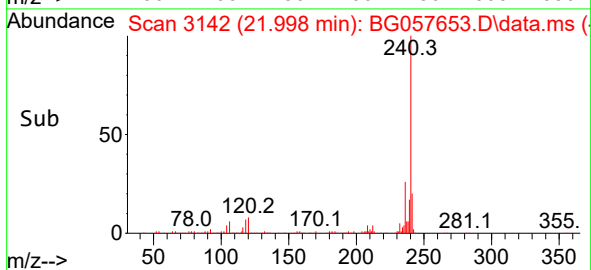
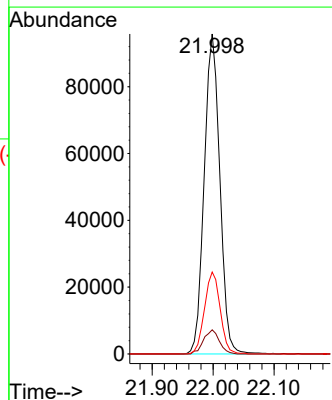
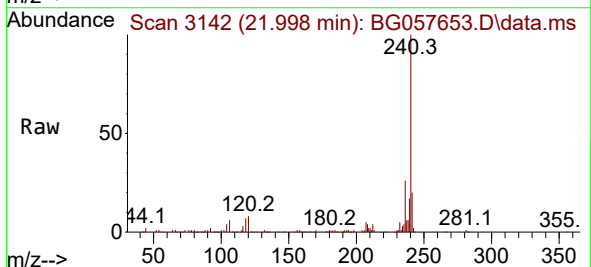
Instrument :
BNA_G
ClientSampleId :
PB153181BL

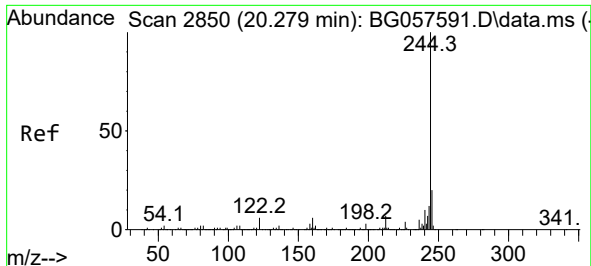
Tgt Ion:248 Resp: 10385
Ion Ratio Lower Upper
248 100
250 188.4 77.4 116.2#
141 423.4 49.4 74.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.998 min Scan# 3142
Delta R.T. -0.005 min
Lab File: BG057653.D
Acq: 7 Jun 2023 2:31

Tgt Ion:240 Resp: 170468
Ion Ratio Lower Upper
240 100
120 7.5 5.2 7.8
236 25.6 21.4 32.0

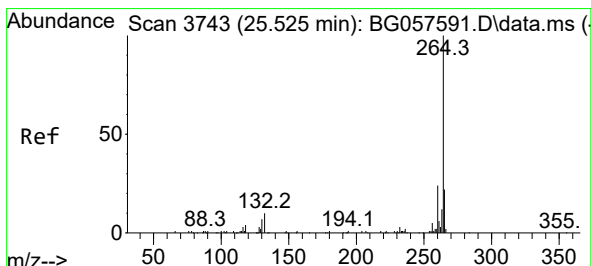
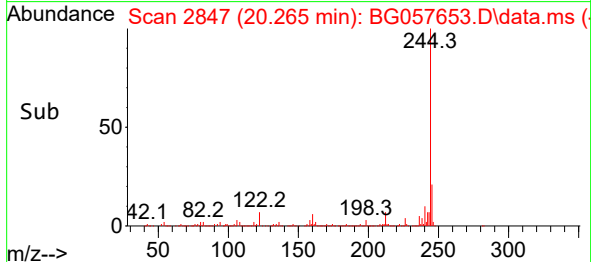
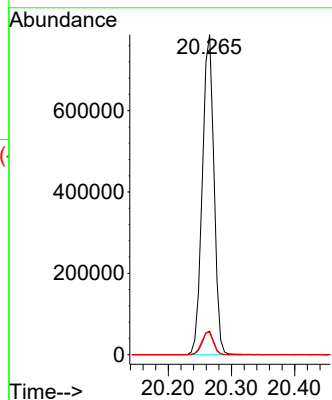
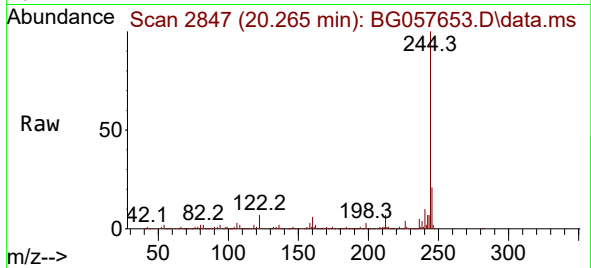




#79
 Terphenyl-d14
 Concen: 102.867 ng
 RT: 20.265 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG057653.D
 Acq: 7 Jun 2023 2:31

Instrument :
 BNA_G
 ClientSampleId :
 PB153181BL

Tgt Ion:244 Resp: 1012313
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 6.9 4.8 7.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.488 min Scan# 3736
 Delta R.T. -0.011 min
 Lab File: BG057653.D
 Acq: 7 Jun 2023 2:31

Tgt Ion:264 Resp: 180848
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.1 28.7
 265 22.7 17.7 26.5

