

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057608.D
 Acq On : 30 May 2023 16:08
 Operator : CG/JU
 Sample : 02955-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP07

Quant Time: May 31 03:28:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 03:25:39 2023
 Response via : Initial Calibration

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

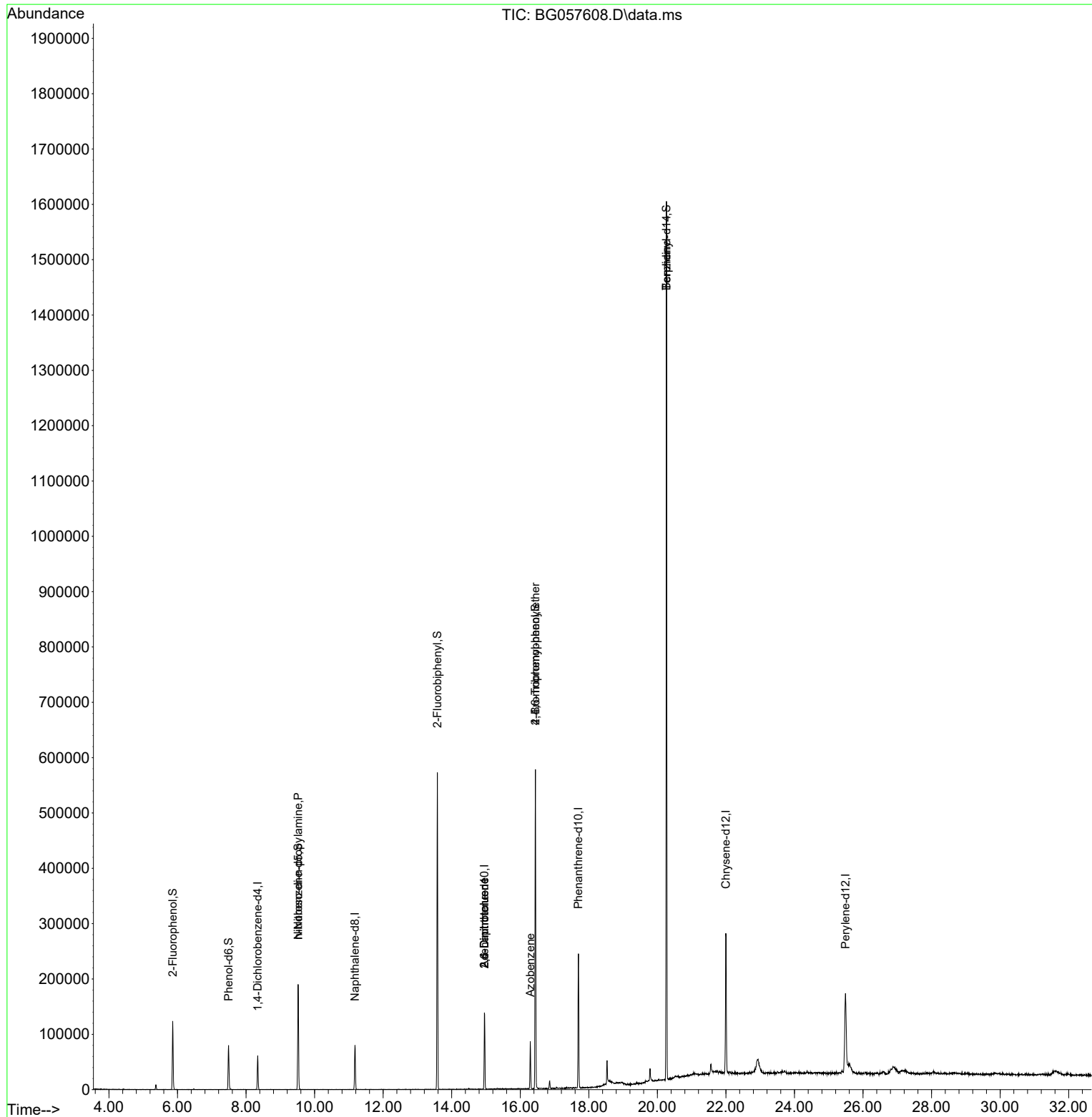
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	17200	20.000	ng	0.00
21) Naphthalene-d8	11.177	136	70095	20.000	ng	0.00
39) Acenaphthene-d10	14.954	164	51225	20.000	ng	0.00
64) Phenanthrene-d10	17.698	188	158785	20.000	ng	0.00
76) Chrysene-d12	21.998	240	161270	20.000	ng	0.00
86) Perylene-d12	25.487	264	175876	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	57491	58.069	ng	0.00
7) Phenol-d6	7.488	99	53334	34.422	ng	0.00
23) Nitrobenzene-d5	9.521	82	124145	82.792	ng	0.00
42) 2,4,6-Tribromophenol	16.441	330	117230	142.941	ng	0.00
45) 2-Fluorobiphenyl	13.580	172	308641	86.589	ng	0.00
79) Terphenyl-d14	20.265	244	779669	83.745	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.521	70	16293	15.136	ng	# 82
51) 2,6-Dinitrotoluene	14.954	165	6874	7.606	ng	# 27
57) 2,4-Dinitrotoluene	14.954	165	6874	5.080	ng	# 25
63) Azobenzene	16.294	77	25161	6.420	ng	# 1
67) 4-Bromophenyl-phenylether	16.441	248	7947	4.462	ng	# 1
77) Benzydine	20.265	184	10958	2.245	ng	# 93

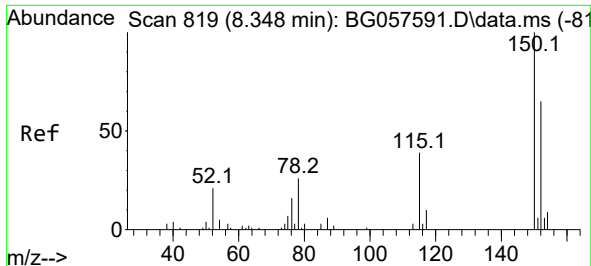
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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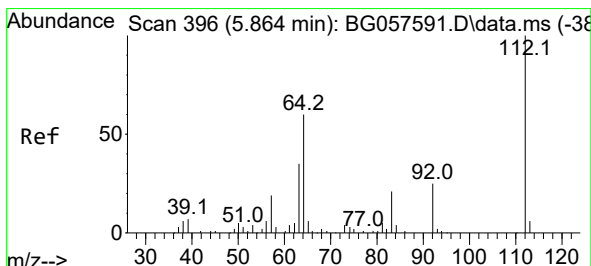
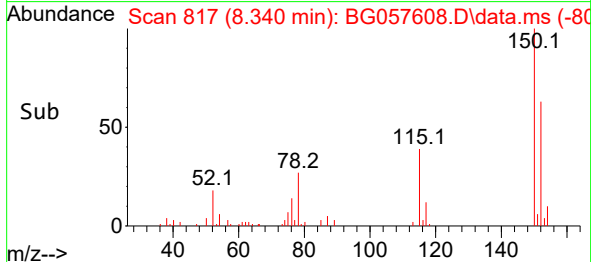
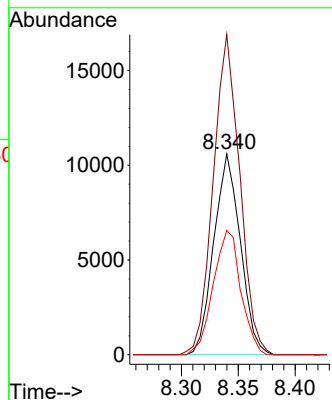
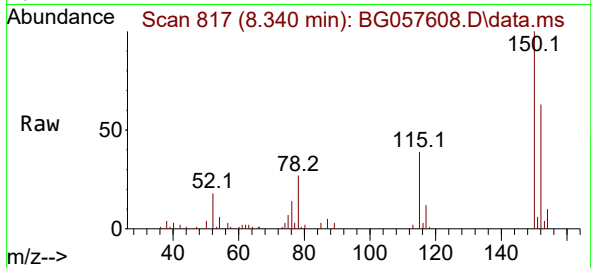




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 819
Delta R.T. -0.004 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

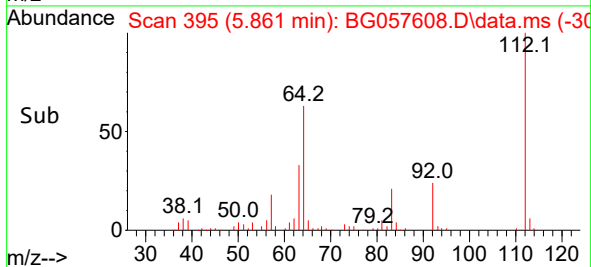
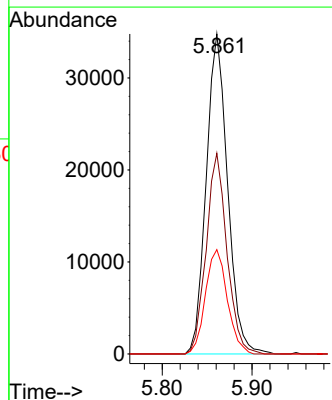
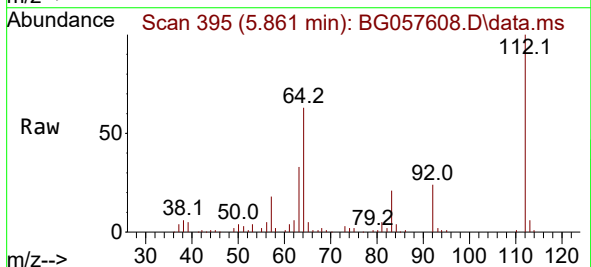
Instrument :
BNA_G
ClientSampleId :
DUP07

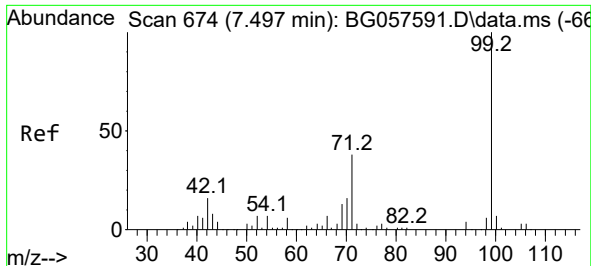
Tgt Ion:152 Resp: 17200
Ion Ratio Lower Upper
152 100
150 159.5 123.0 184.4
115 61.9 47.4 71.2



#5
2-Fluorophenol
Concen: 58.069 ng
RT: 5.861 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

Tgt Ion:112 Resp: 57491
Ion Ratio Lower Upper
112 100
64 62.7 47.8 71.6
63 32.6 27.8 41.8

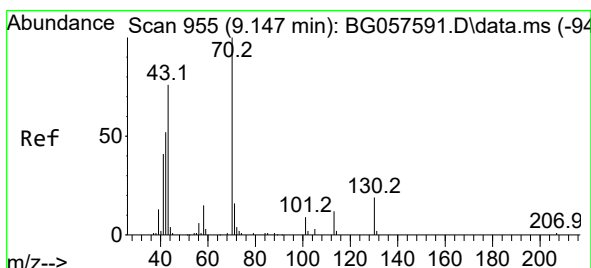
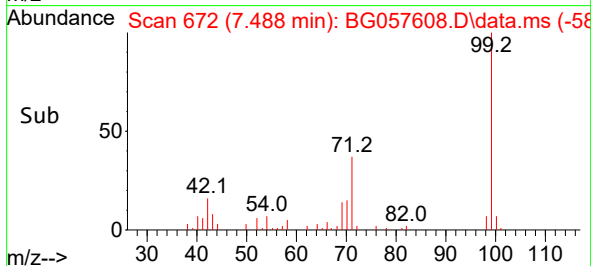
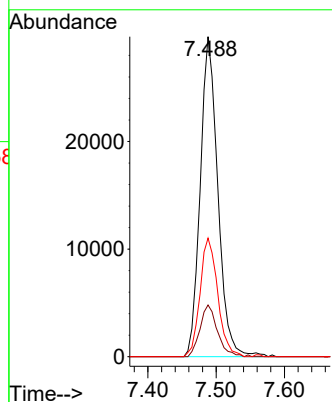
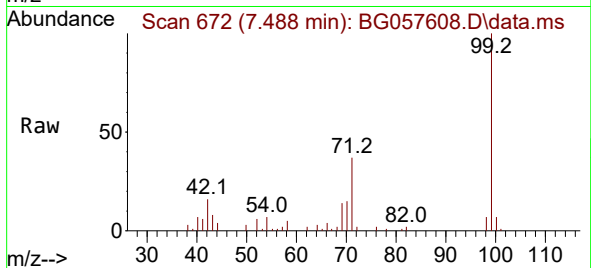




#7
Phenol-d6
Concen: 34.422 ng
RT: 7.488 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

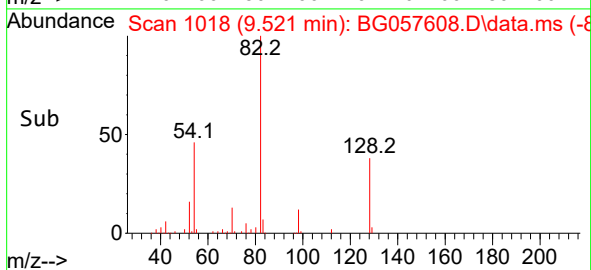
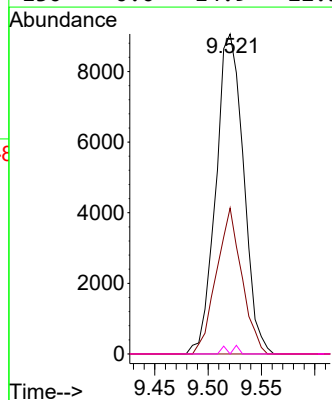
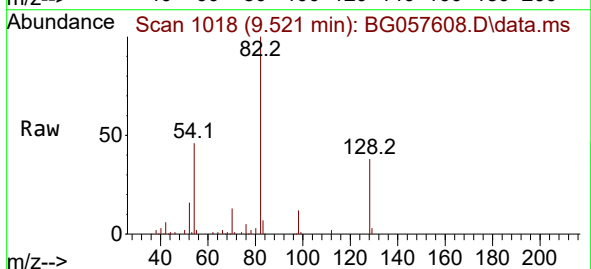
Instrument :
BNA_G
ClientSampleId :
DUP07

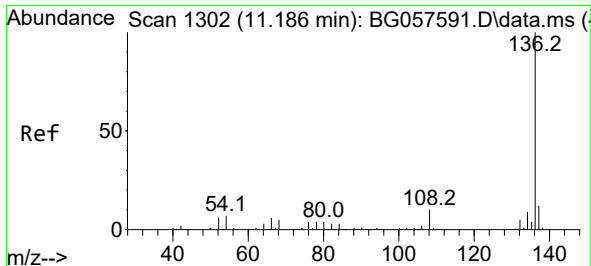
Tgt Ion: 99 Resp: 53334
Ion Ratio Lower Upper
99 100
42 16.2 12.8 19.2
71 37.0 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.136 ng
RT: 9.521 min Scan# 1018
Delta R.T. 0.378 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

Tgt Ion: 70 Resp: 16293
Ion Ratio Lower Upper
70 100
42 45.6 41.4 62.0
101 0.0 6.9 10.3#
130 0.0 14.9 22.3#

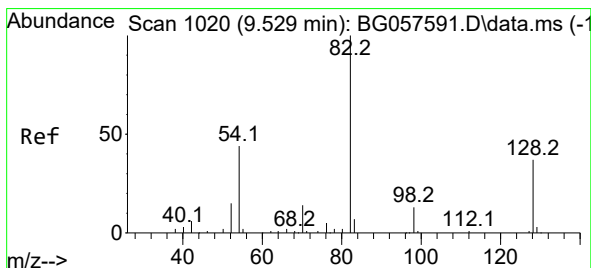
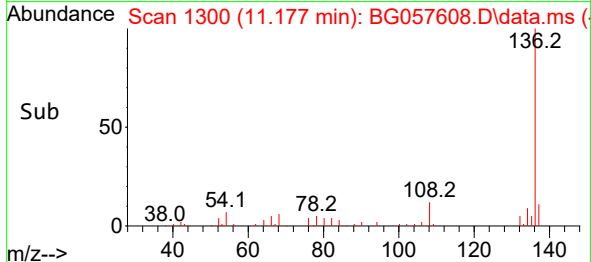
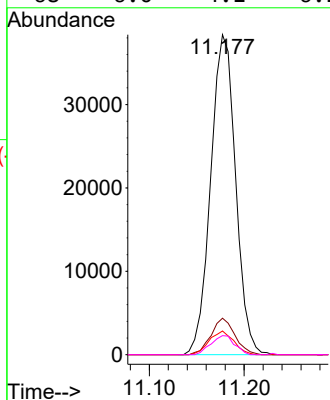
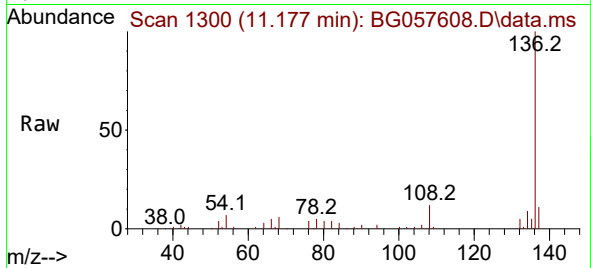




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.177 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

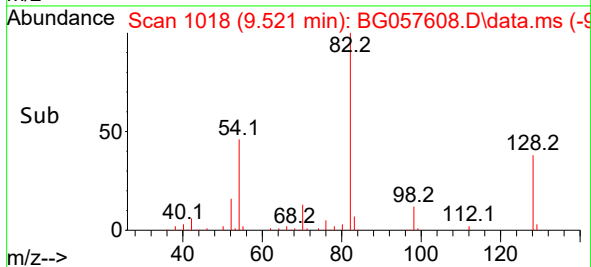
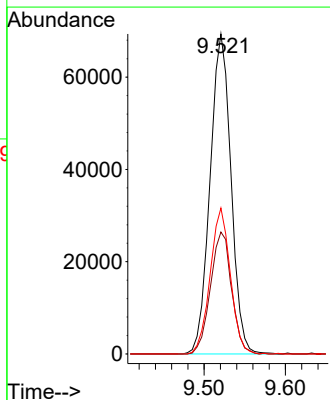
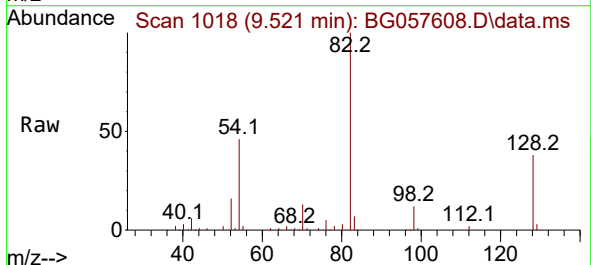
Instrument :
BNA_G
ClientSampleId :
DUP07

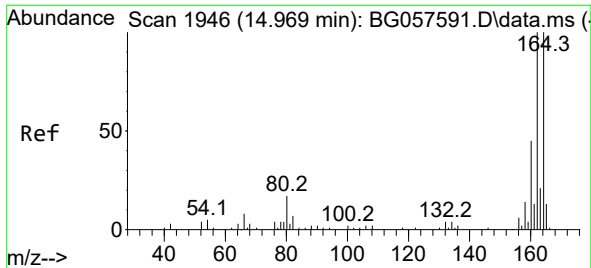
Tgt Ion:	136	Resp:	70095
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.8	14.8
54	7.4	5.8	8.6
68	6.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 82.792 ng
RT: 9.521 min Scan# 1018
Delta R.T. -0.004 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

Tgt Ion:	82	Resp:	124145
Ion Ratio	Lower	Upper	
82	100		
128	38.1	30.0	45.0
54	45.6	35.2	52.8

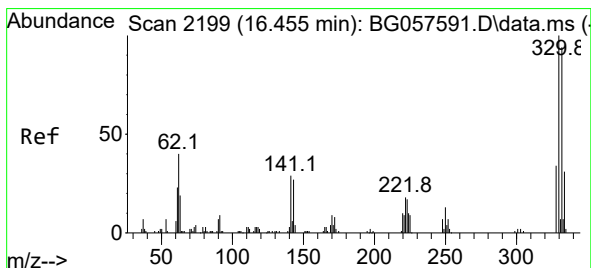
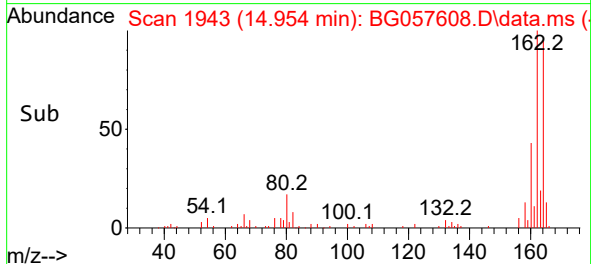
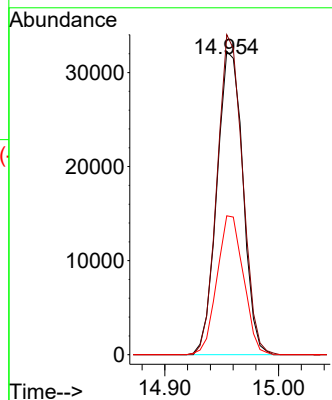
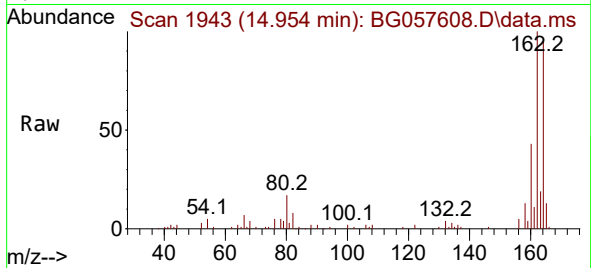




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.954 min Scan# 1943
Delta R.T. -0.004 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

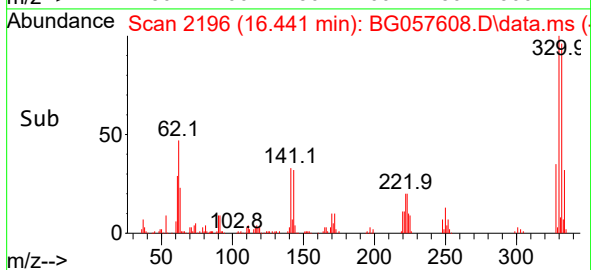
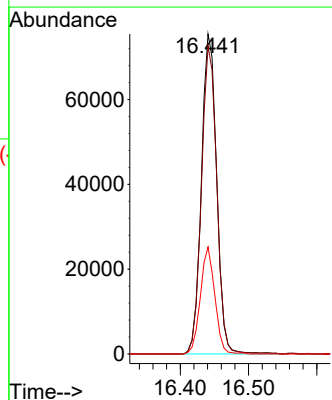
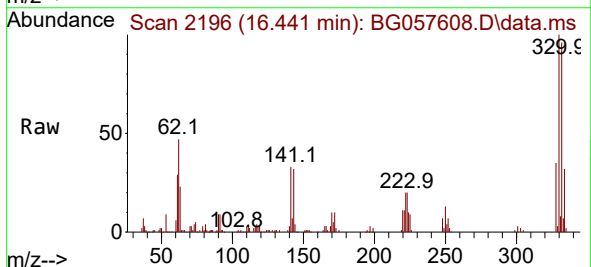
Instrument :
BNA_G
ClientSampleId :
DUP07

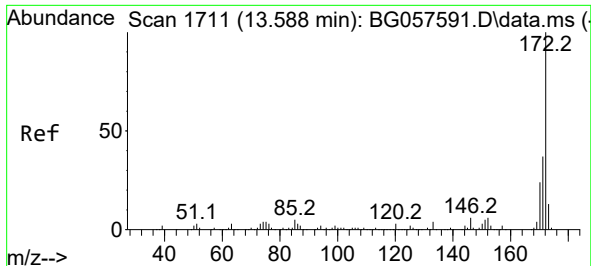
Tgt Ion:164 Resp: 51225
Ion Ratio Lower Upper
164 100
162 105.5 80.1 120.1
160 45.8 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 142.941 ng
RT: 16.441 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

Tgt Ion:330 Resp: 117230
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 31.6 24.6 37.0

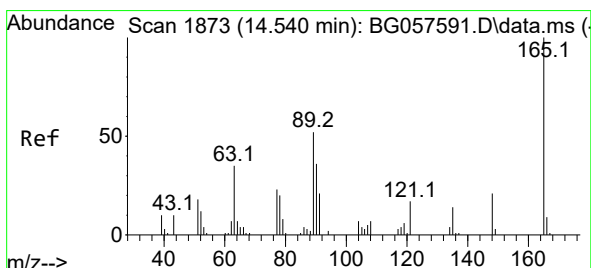
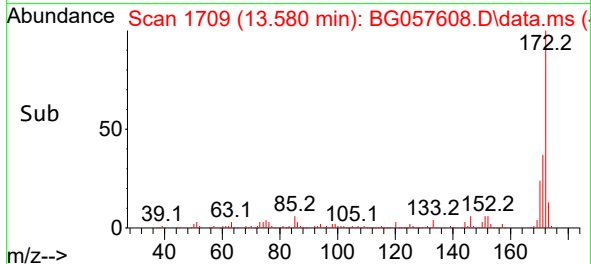
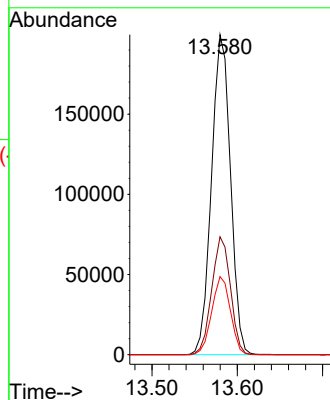
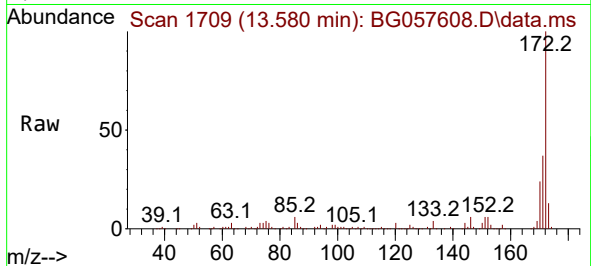




#45
2-Fluorobiphenyl
Concen: 86.589 ng
RT: 13.580 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

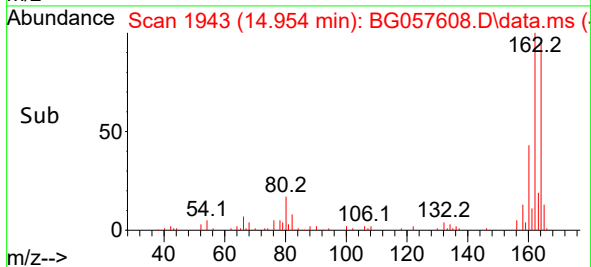
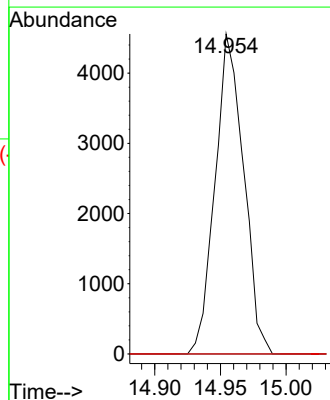
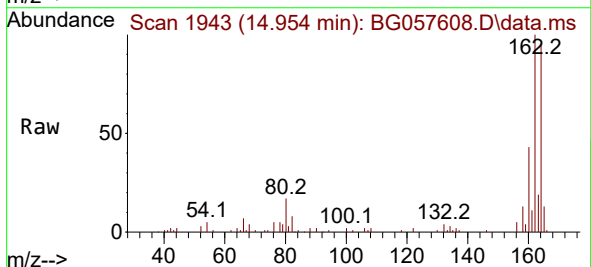
Instrument :
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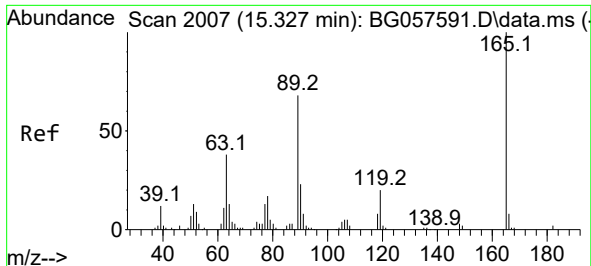
Tgt Ion:172 Resp: 308641
Ion Ratio Lower Upper
172 100
171 36.8 29.2 43.8
170 24.4 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.606 ng
RT: 14.954 min Scan# 1943
Delta R.T. 0.425 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

Tgt Ion:165 Resp: 6874
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: 5.080 ng

RT: 14.954 min Scan# 14

Delta R.T. -0.368 min

Lab File: BG057608.D

Acq: 30 May 2023 16:08

Instrument :

BNA_G

ClientSampleId :

DUP07

Tgt Ion:165 Resp: 6874

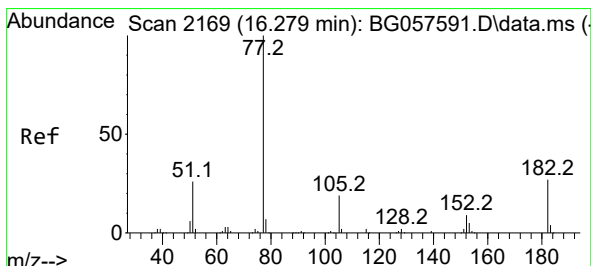
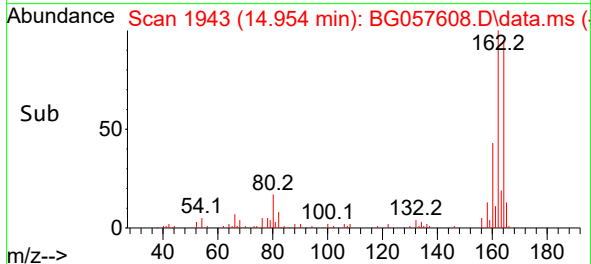
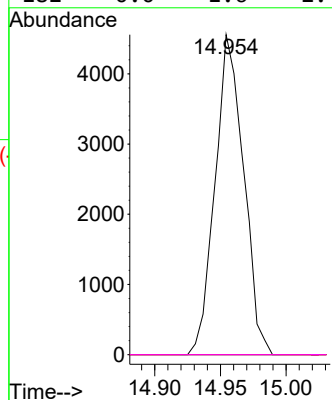
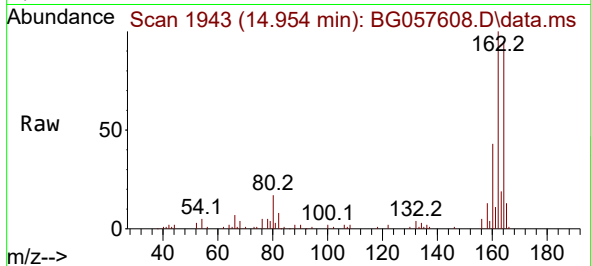
Ion Ratio Lower Upper

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: 6.420 ng

RT: 16.294 min Scan# 2171

Delta R.T. 0.025 min

Lab File: BG057608.D

Acq: 30 May 2023 16:08

Tgt Ion: 77 Resp: 25161

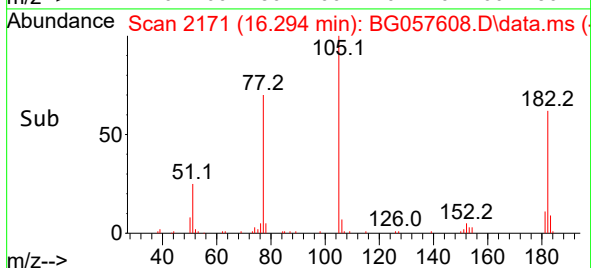
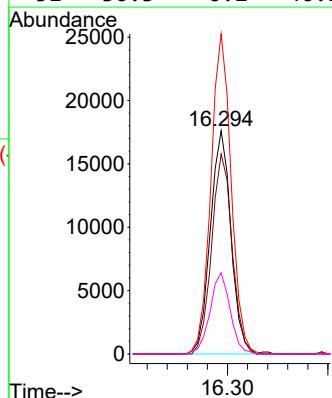
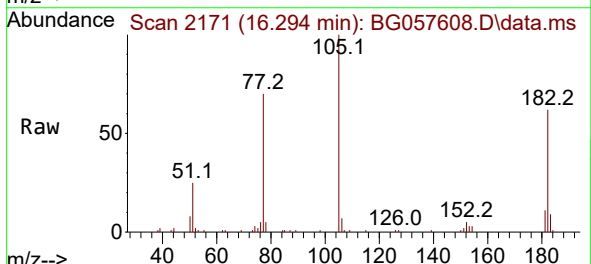
Ion Ratio Lower Upper

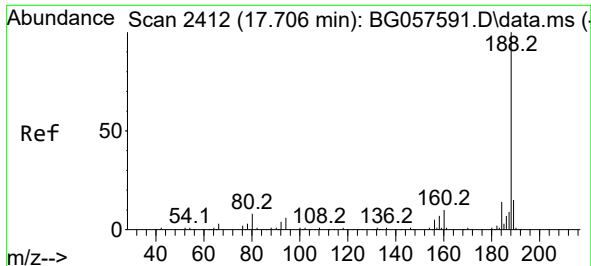
77 100

182 89.5 7.4 47.4#

105 143.4 0.0 39.4#

51 36.3 6.2 46.2

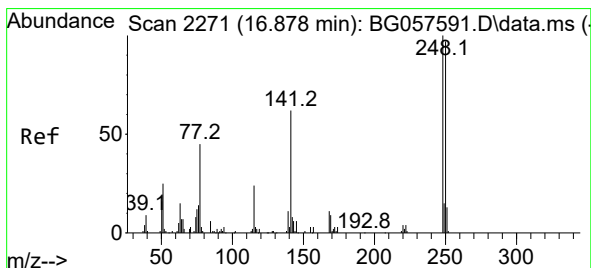
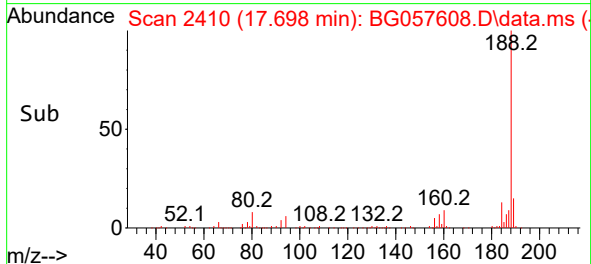
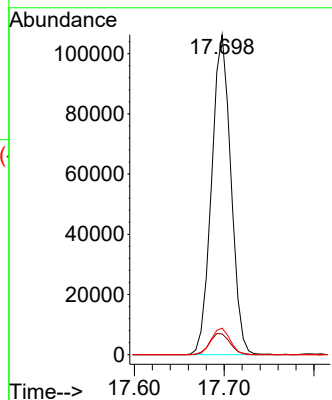
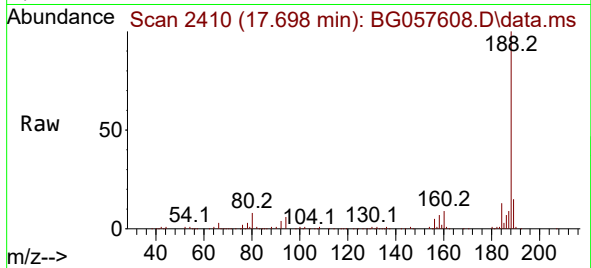




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.698 min Scan# 2412
Delta R.T. 0.002 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

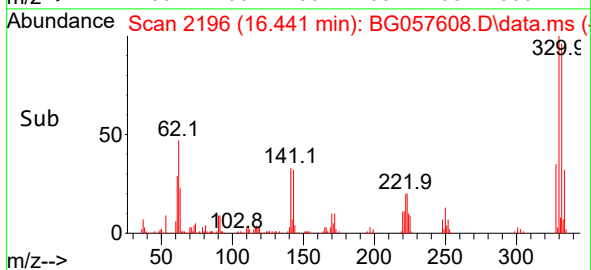
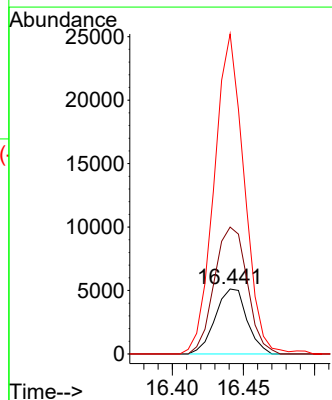
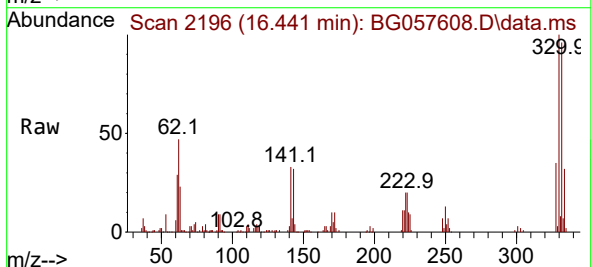
Instrument :
BNA_G
ClientSampleId :
DUP07

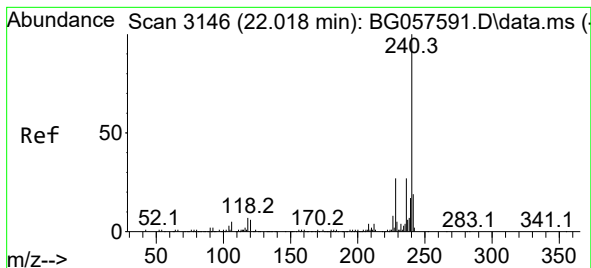
Tgt Ion:188 Resp: 158785
Ion Ratio Lower Upper
188 100
94 6.5 5.2 7.8
80 8.3 6.7 10.1



#67
4-Bromophenyl-phenylether
Concen: 4.462 ng
RT: 16.441 min Scan# 2196
Delta R.T. -0.433 min
Lab File: BG057608.D
Acq: 30 May 2023 16:08

Tgt Ion:248 Resp: 7947
Ion Ratio Lower Upper
248 100
250 195.2 77.4 116.2#
141 492.3 49.4 74.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.998 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG057608.D

Acq: 30 May 2023 16:08

Instrument :

BNA_G

ClientSampleId :

DUP07

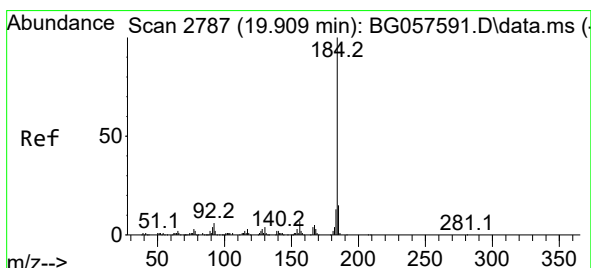
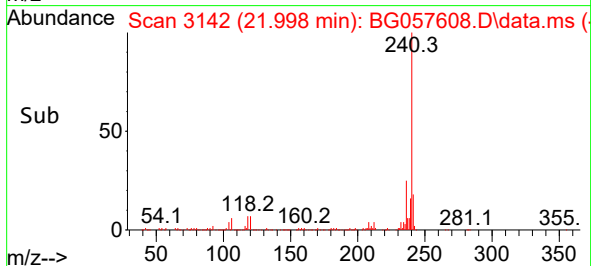
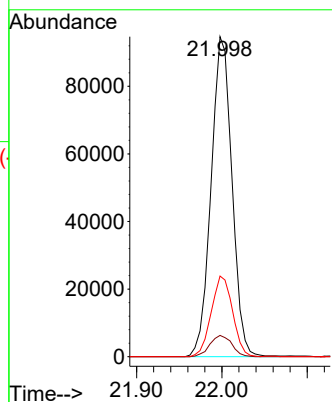
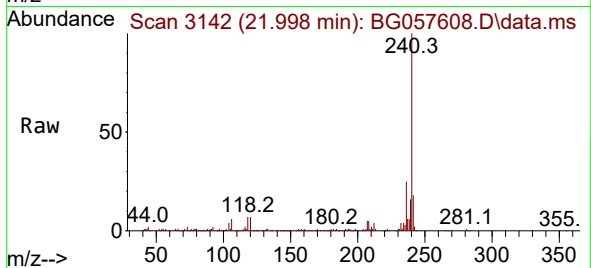
Tgt Ion:240 Resp: 161270

Ion Ratio Lower Upper

240 100

120 6.7 5.2 7.8

236 25.2 21.4 32.0



#77

Benzidine

Concen: 2.245 ng

RT: 20.265 min Scan# 2847

Delta R.T. 0.366 min

Lab File: BG057608.D

Acq: 30 May 2023 16:08

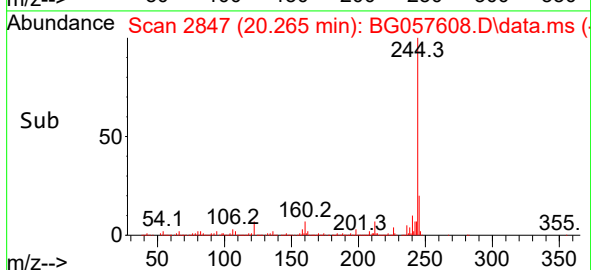
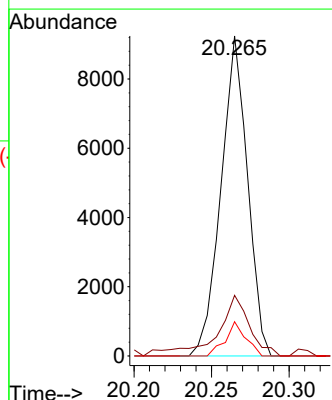
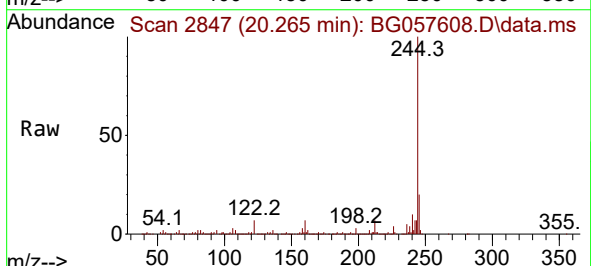
Tgt Ion:184 Resp: 10958

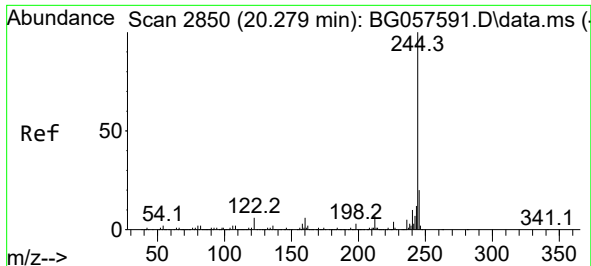
Ion Ratio Lower Upper

184 100

185 19.0 12.0 18.0#

183 10.7 10.0 15.0

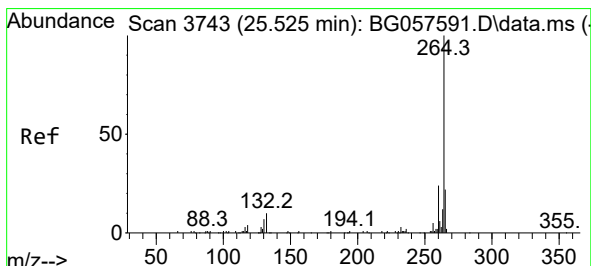
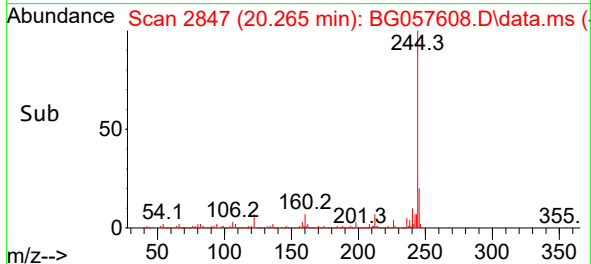
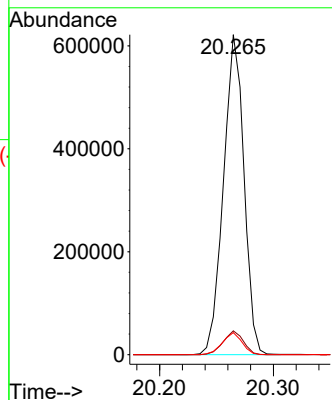
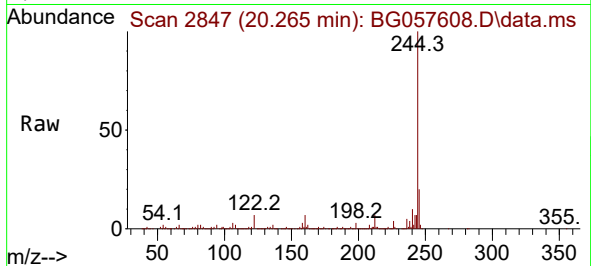




#79
 Terphenyl-d14
 Concen: 83.745 ng
 RT: 20.265 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057608.D
 Acq: 30 May 2023 16:08

Instrument :
 BNA_G
 ClientSampleId :
 DUP07

Tgt Ion:244 Resp: 779669
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 6.9 4.8 7.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.487 min Scan# 3736
 Delta R.T. -0.004 min
 Lab File: BG057608.D
 Acq: 30 May 2023 16:08

Tgt Ion:264 Resp: 175876
 Ion Ratio Lower Upper
 264 100
 260 21.8 19.1 28.7
 265 20.5 17.7 26.5

