

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057567.D
 Acq On : 25 May 2023 21:17
 Operator : CG/JU
 Sample : 02908-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB13

Quant Time: May 26 03:01:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

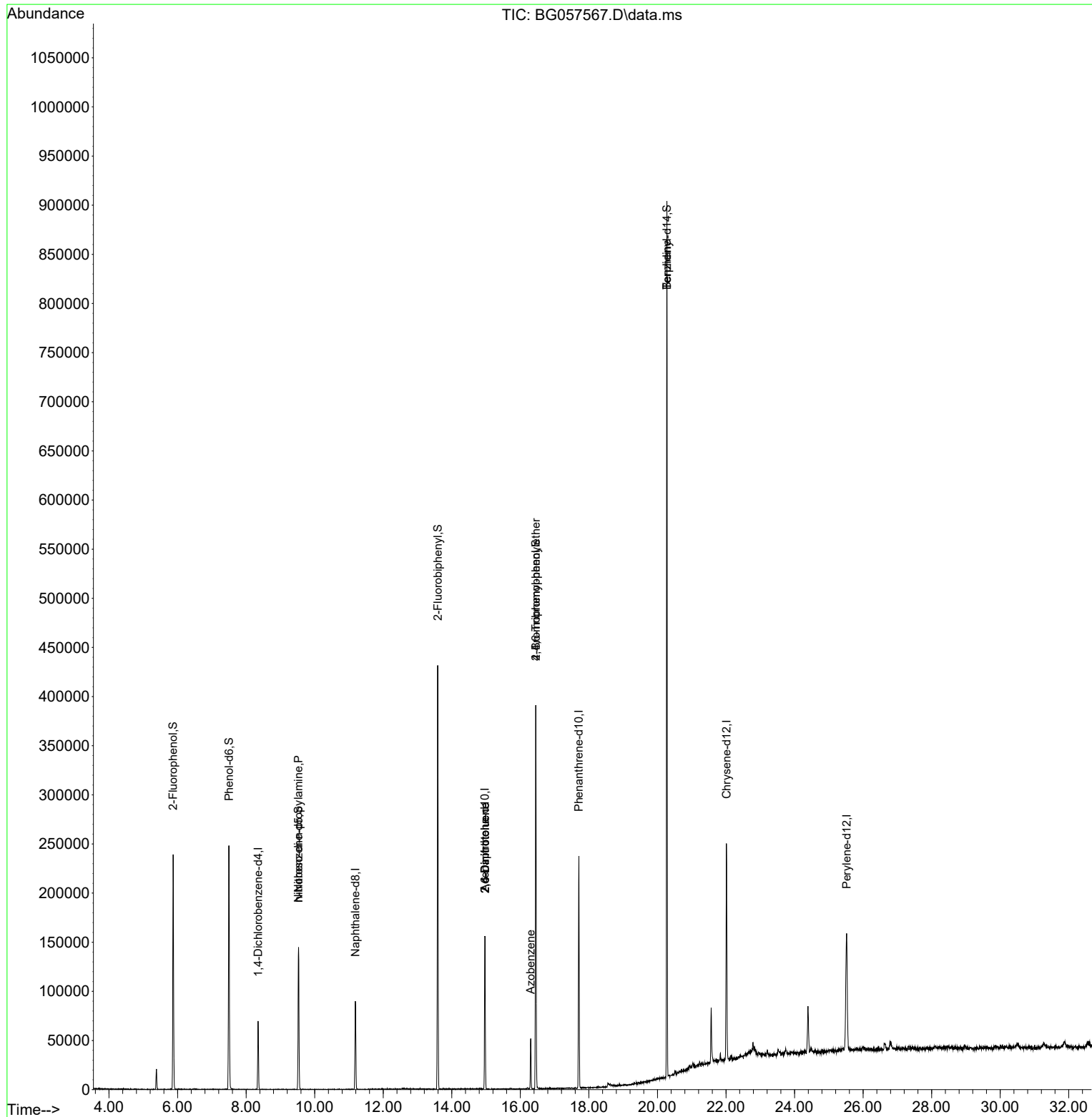
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.349	152	19938	20.000	ng	0.00
21) Naphthalene-d8	11.186	136	77814	20.000	ng	0.00
39) Acenaphthene-d10	14.964	164	59591	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	154537	20.000	ng	0.00
76) Chrysene-d12	22.013	240	138470	20.000	ng	0.00
86) Perylene-d12	25.520	264	146565	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	104999	90.085	ng	0.00
7) Phenol-d6	7.497	99	152798	86.330	ng	0.00
23) Nitrobenzene-d5	9.530	82	95197	51.347	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	82669	97.771	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	229203	51.801	ng	0.00
79) Terphenyl-d14	20.274	244	450283	53.068	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.491	77	136	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.530	70	13373	9.909 ng	#	75
51) 2,6-Dinitrotoluene	14.969	165	7564	7.565 ng	#	19
57) 2,4-Dinitrotoluene	14.969	165	7564	5.294 ng	#	22
63) Azobenzene	16.303	77	15490	3.228 ng	#	1
67) 4-Bromophenyl-phenylether	16.450	248	5445	2.886 ng	#	1
77) Benzidine	20.274	184	6580	2.126 ng	#	92

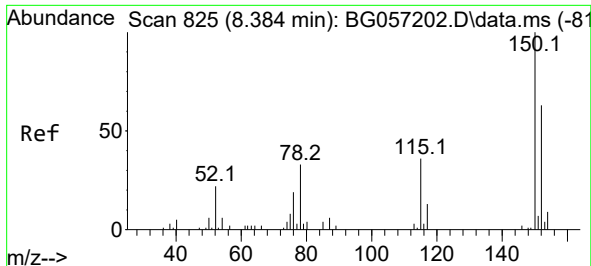
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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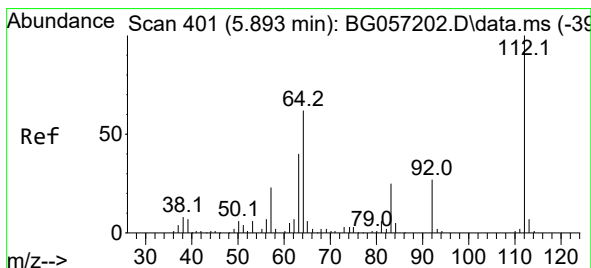
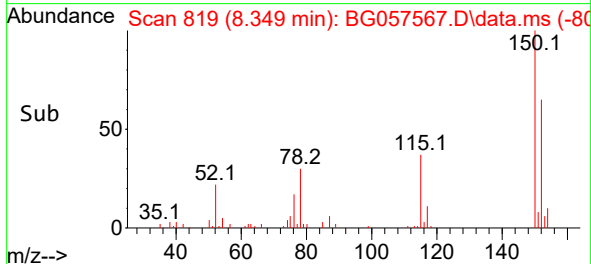
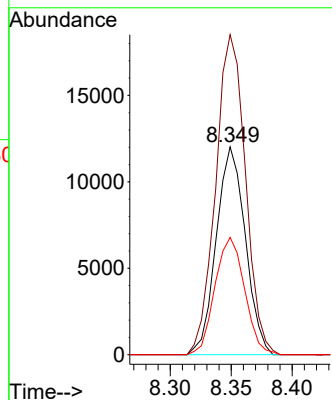
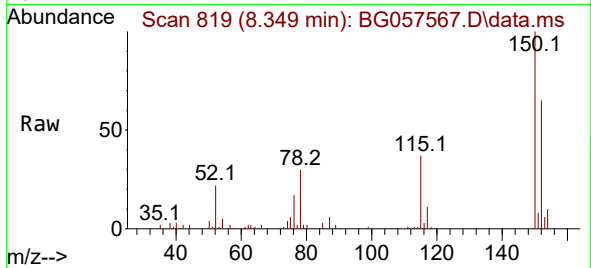




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.349 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

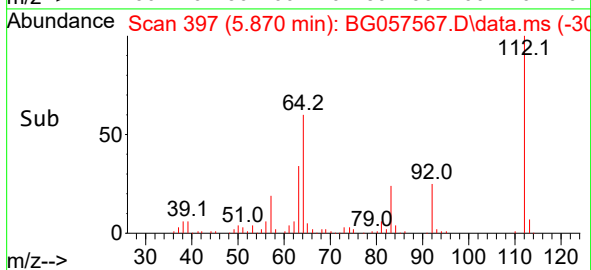
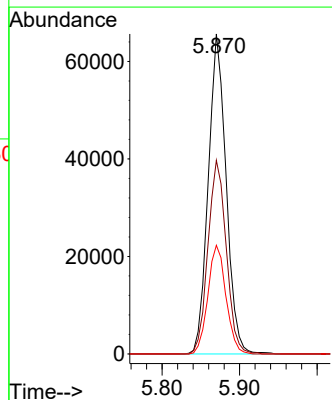
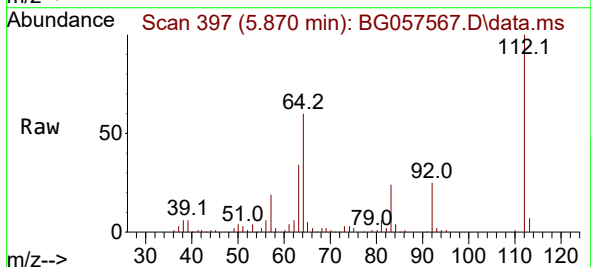
Instrument :
BNA_G
ClientSampleId :
SB13

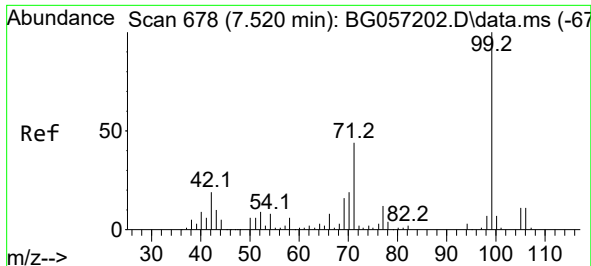
Tgt Ion:152 Resp: 19938
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.4
115 56.4 45.0 67.4



#5
2-Fluorophenol
Concen: 90.085 ng
RT: 5.870 min Scan# 397
Delta R.T. -0.002 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

Tgt Ion:112 Resp: 104999
Ion Ratio Lower Upper
112 100
64 60.5 49.4 74.2
63 33.9 31.6 47.4

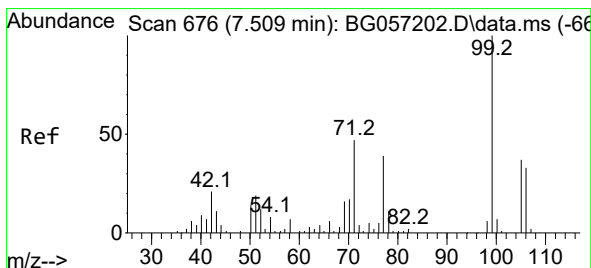
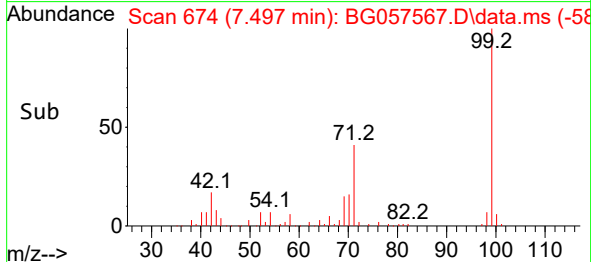
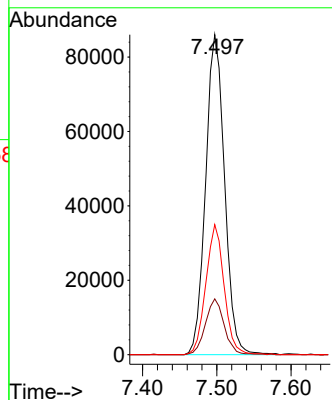
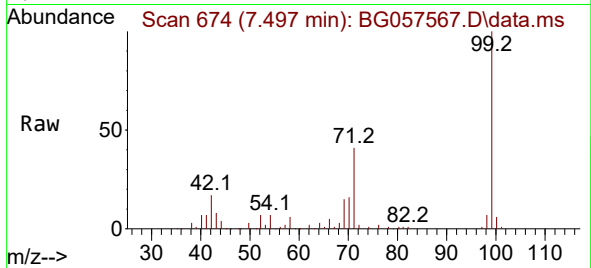




#7
Phenol-d6
Concen: 86.330 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

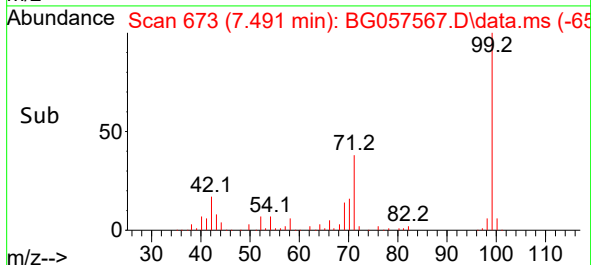
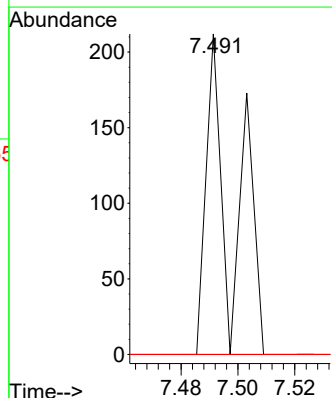
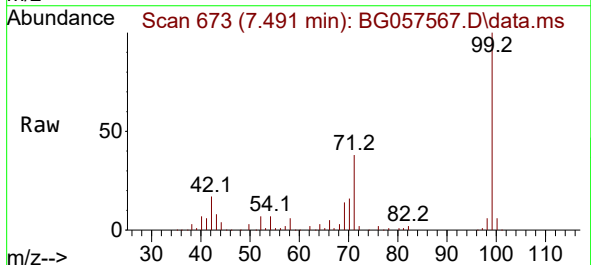
Instrument :
BNA_G
ClientSampleId :
SB13

Tgt Ion: 99 Resp: 152798
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 40.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.491 min Scan# 673
Delta R.T. 0.009 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

Tgt Ion: 77 Resp: 136
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

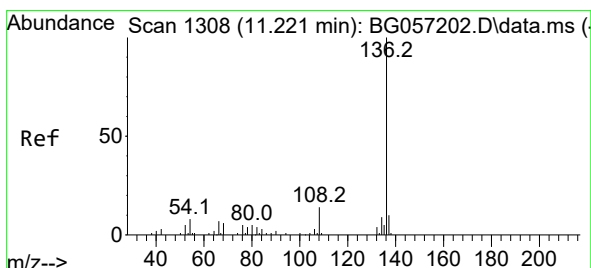
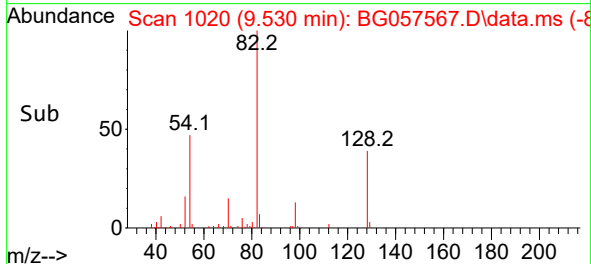
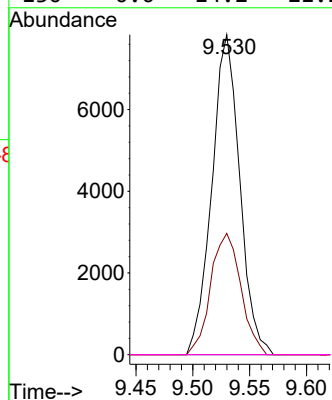
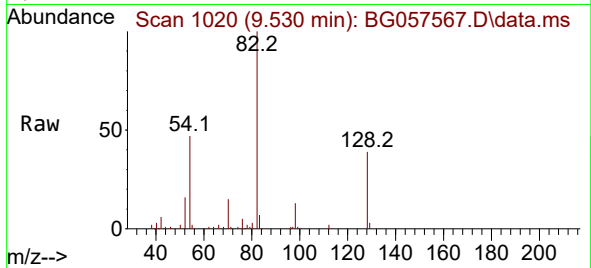




#19
n-Nitroso-di-n-propylamine
Concen: 9.909 ng
RT: 9.530 min Scan# 1020
Delta R.T. 0.374 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

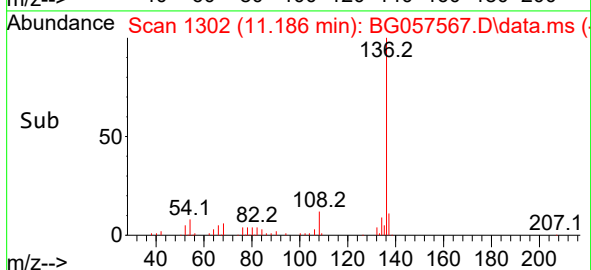
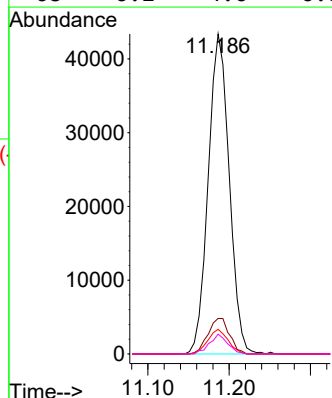
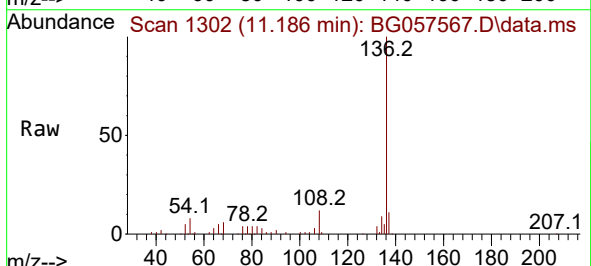
Instrument :
BNA_G
ClientSampleId :
SB13

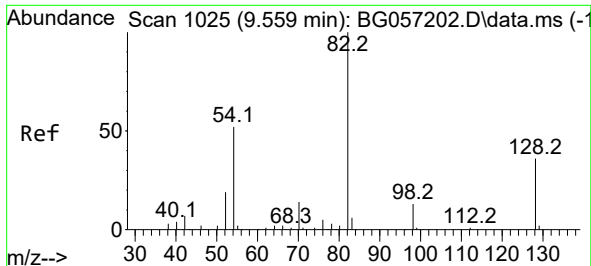
Tgt Ion: 70 Resp: 13373
Ion Ratio Lower Upper
70 100
42 37.9 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.186 min Scan# 1302
Delta R.T. -0.008 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

Tgt Ion:136 Resp: 77814
Ion Ratio Lower Upper
136 100
137 11.1 8.3 12.5
54 7.7 6.7 10.1
68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 51.347 ng

RT: 9.530 min Scan# 1020

Delta R.T. -0.008 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

Instrument :

BNA_G

ClientSampleId :

SB13

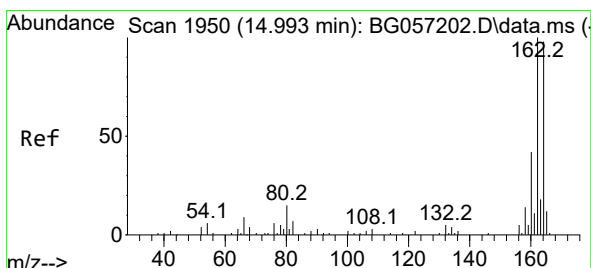
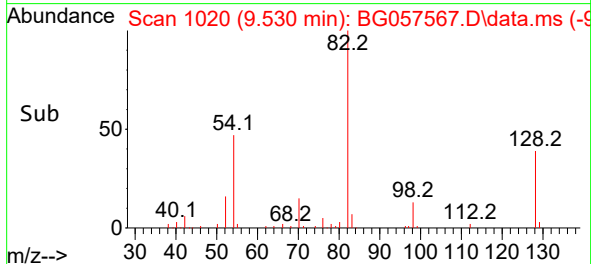
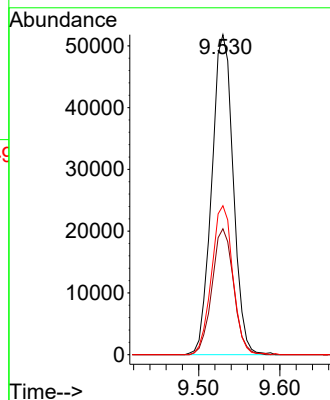
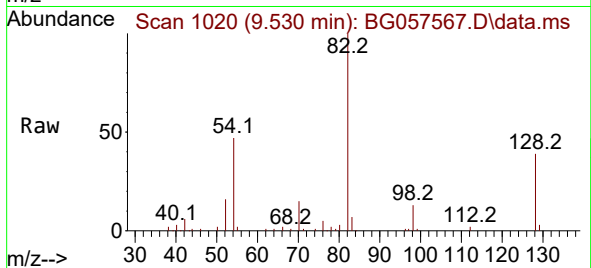
Tgt Ion: 82 Resp: 95197

Ion Ratio Lower Upper

82 100

128 39.4 29.0 43.4

54 46.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.964 min Scan# 1945

Delta R.T. -0.008 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

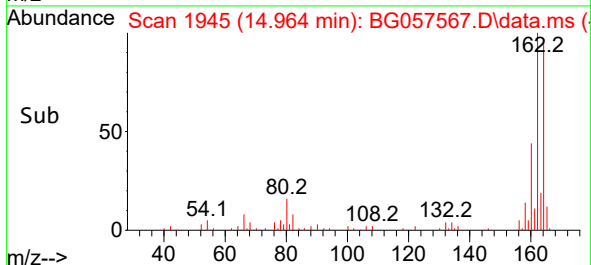
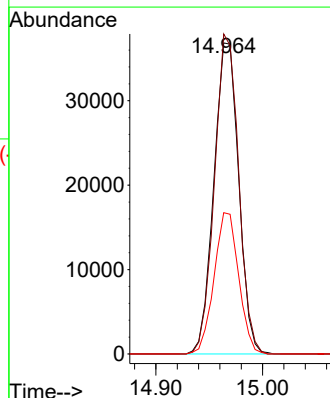
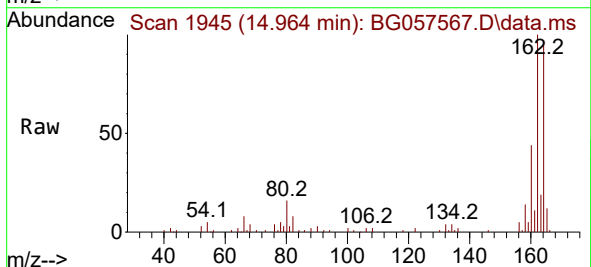
Tgt Ion:164 Resp: 59591

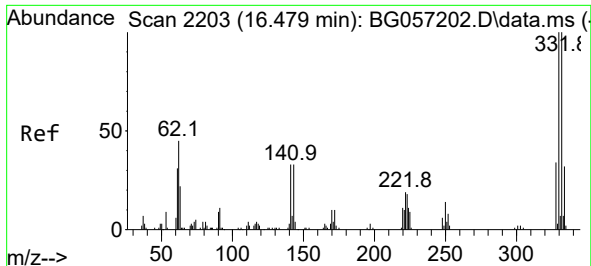
Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.6

160 45.4 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 97.771 ng

RT: 16.450 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

Instrument :

BNA_G

ClientSampleId :

SB13

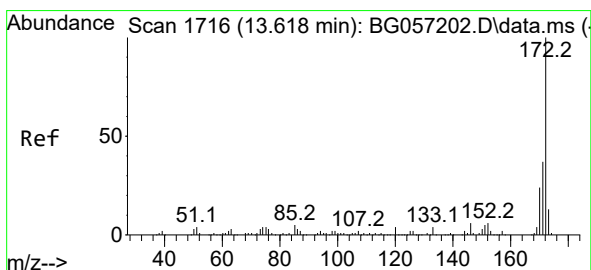
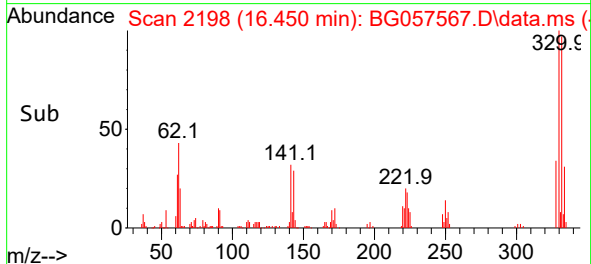
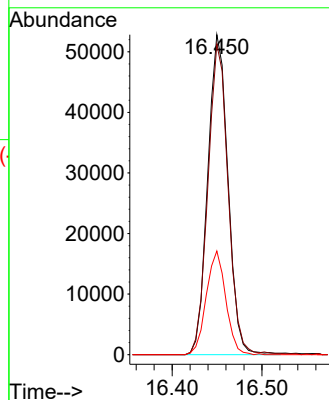
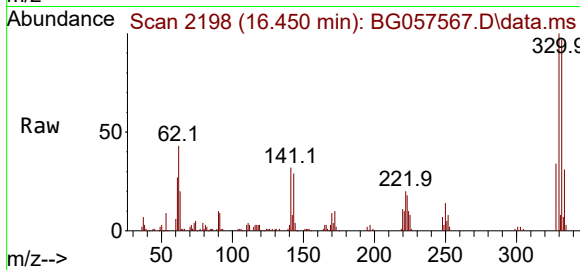
Tgt Ion:330 Resp: 82669

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.2

141 31.2 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 51.801 ng

RT: 13.589 min Scan# 1711

Delta R.T. -0.008 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

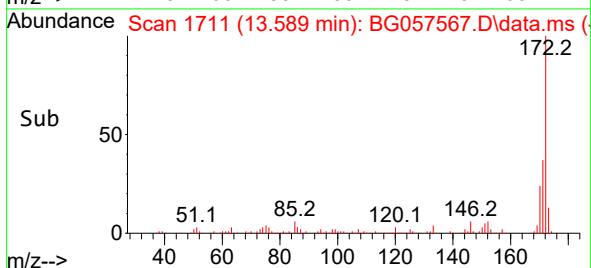
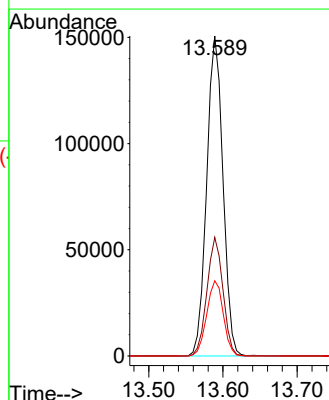
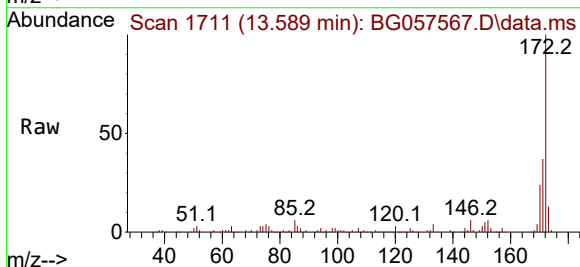
Tgt Ion:172 Resp: 229203

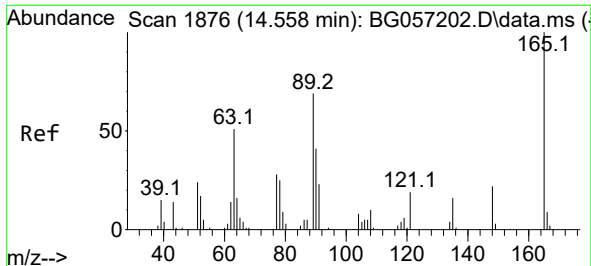
Ion Ratio Lower Upper

172 100

171 37.0 29.4 44.0

170 23.5 19.0 28.6

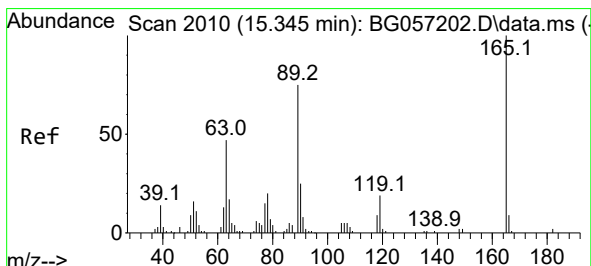
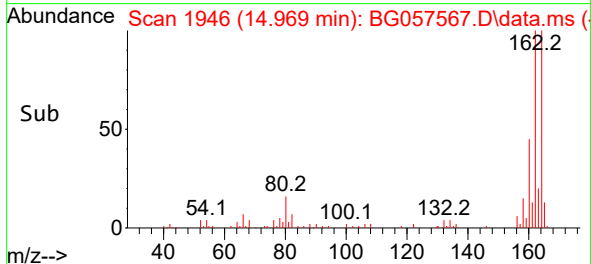
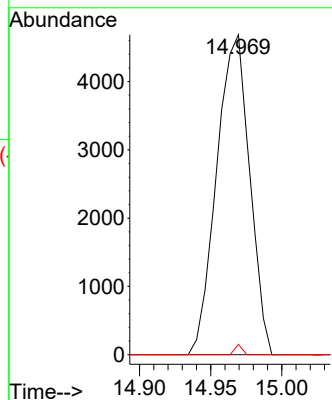
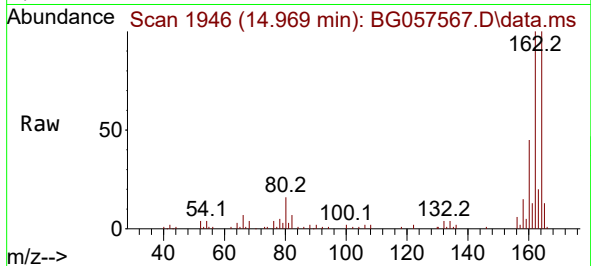




#51
2,6-Dinitrotoluene
Concen: 7.565 ng
RT: 14.969 min Scan# 1946
Delta R.T. 0.427 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

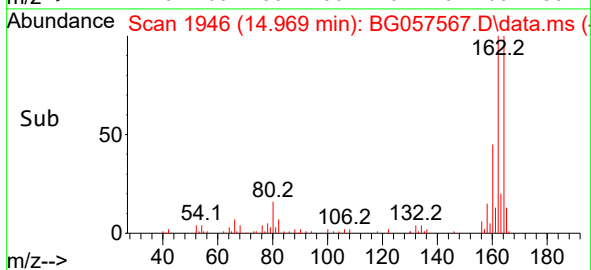
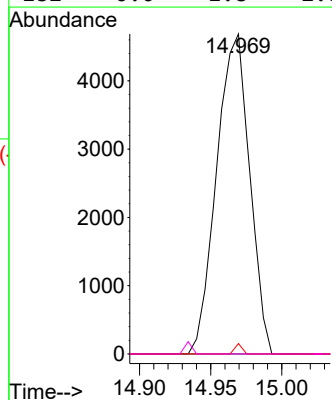
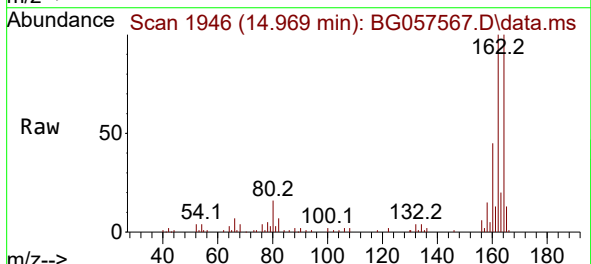
Instrument :
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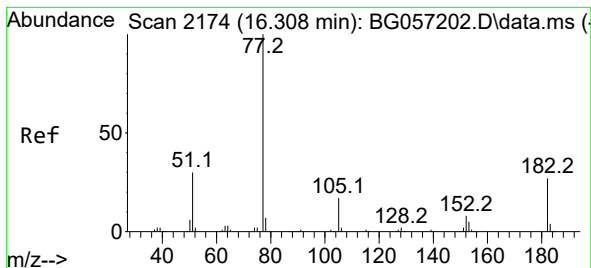
Tgt Ion:165 Resp: 7564
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 3.3 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.294 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.361 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

Tgt Ion:165 Resp: 7564
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 3.3 60.2 90.4#
182 0.0 1.8 2.8#





#63

Azobenzene

Concen: 3.228 ng

RT: 16.303 min Scan# 2173

Delta R.T. 0.021 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

Instrument :

BNA_G

ClientSampleId :

SB13

Tgt Ion: 77 Resp: 15490

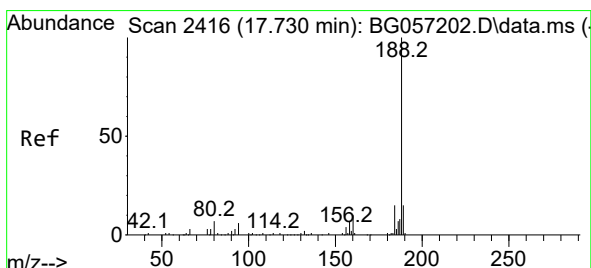
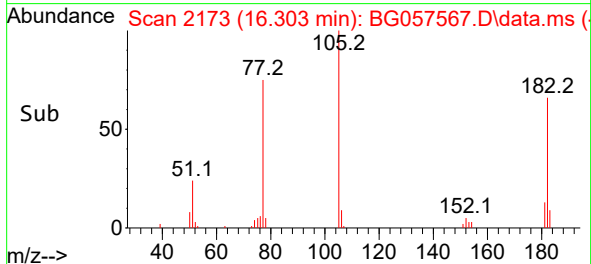
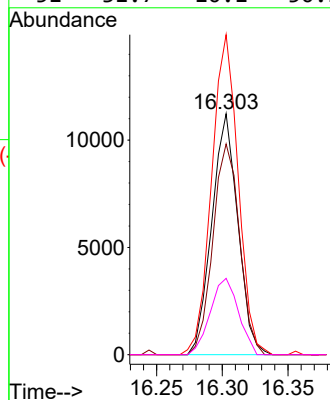
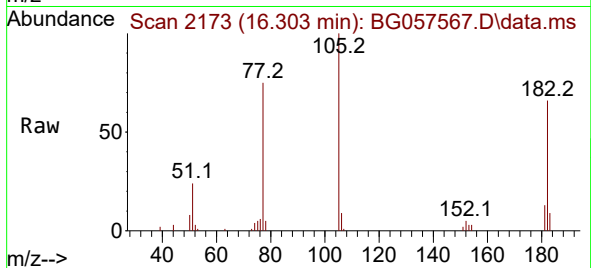
Ion Ratio Lower Upper

77 100

182 87.5 7.4 47.4#

105 132.8 0.0 37.2#

51 31.7 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2412

Delta R.T. -0.002 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

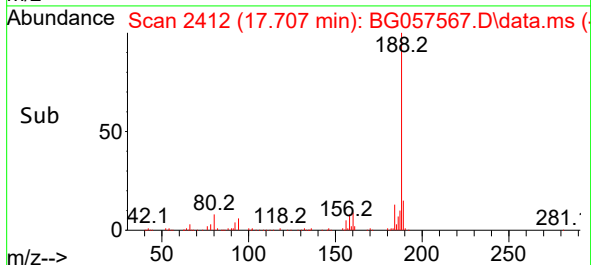
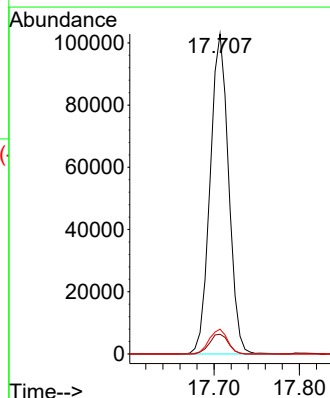
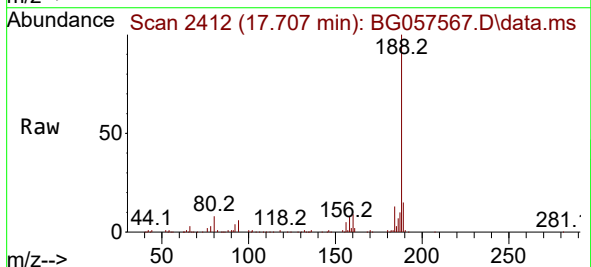
Tgt Ion: 188 Resp: 154537

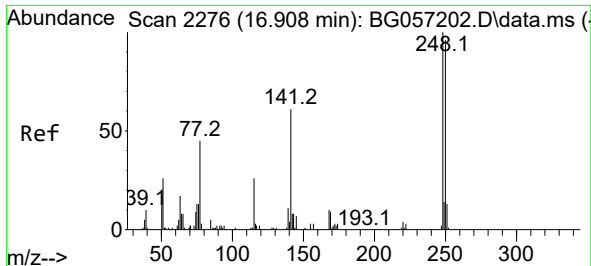
Ion Ratio Lower Upper

188 100

94 6.1 5.1 7.7

80 7.8 5.7 8.5

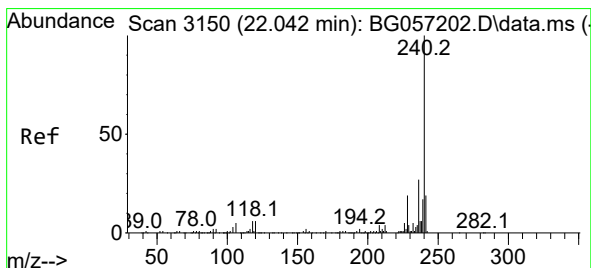
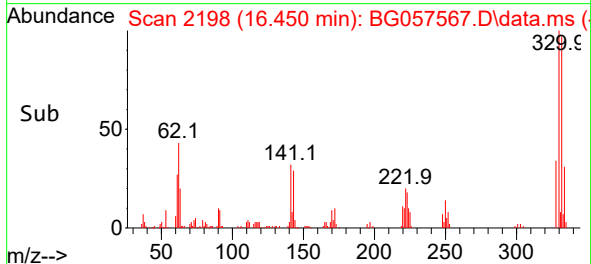
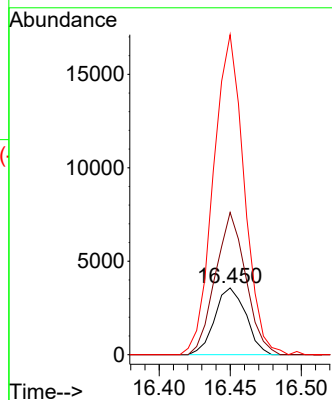
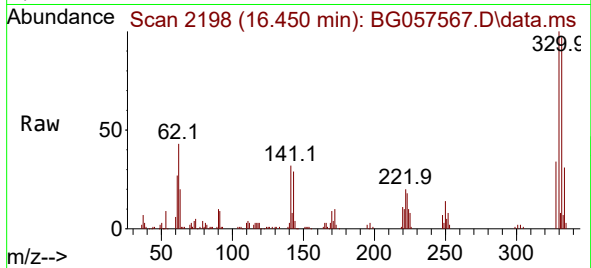




#67
4-Bromophenyl-phenylether
Concen: 2.886 ng
RT: 16.450 min Scan# 211
Delta R.T. -0.437 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

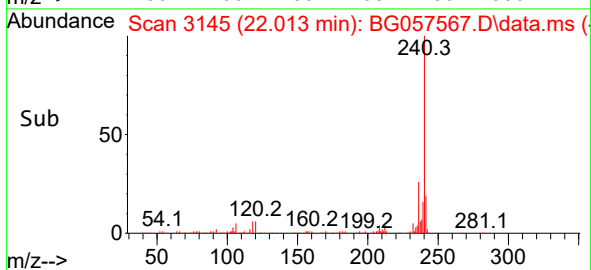
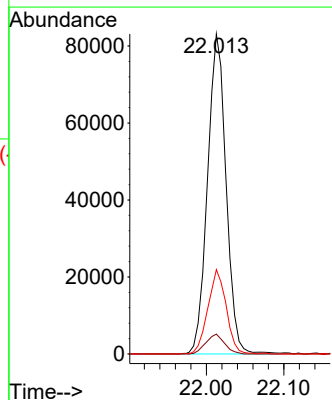
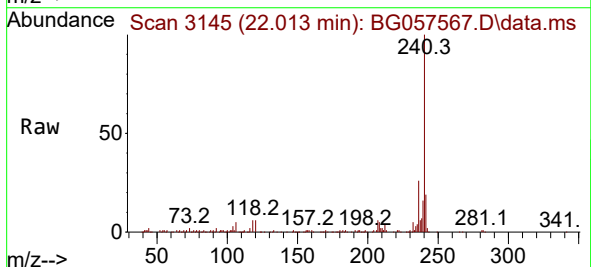
Instrument :
BNA_G
ClientSampleId :
SB13

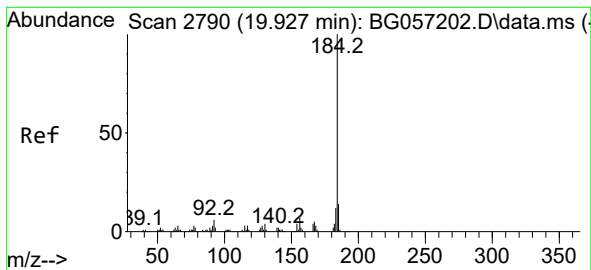
Tgt Ion:248 Resp: 5445
Ion Ratio Lower Upper
248 100
250 213.0 77.0 115.6#
141 479.4 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

Tgt Ion:240 Resp: 138470
Ion Ratio Lower Upper
240 100
120 6.2 4.9 7.3
236 26.4 21.4 32.2





#77

Benzidine

Concen: 2.126 ng

RT: 20.274 min Scan# 2849

Delta R.T. 0.368 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

Instrument :

BNA_G

ClientSampleId :

SB13

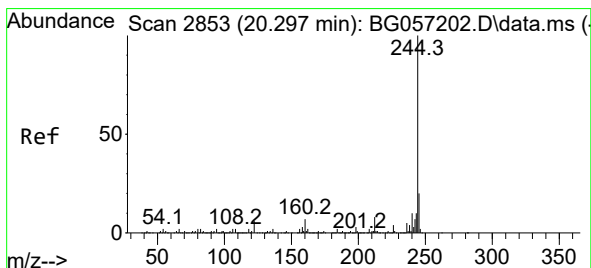
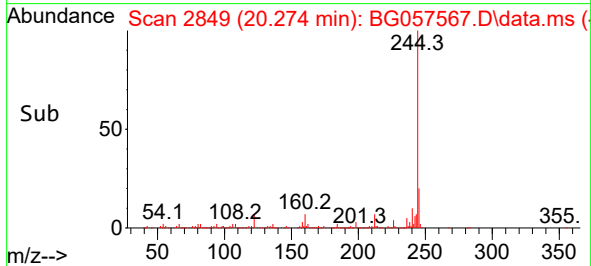
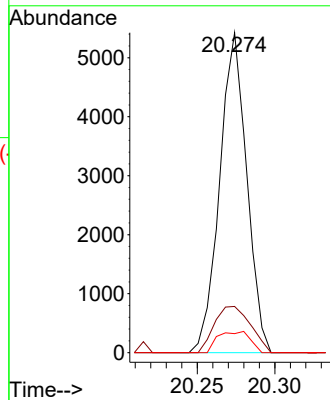
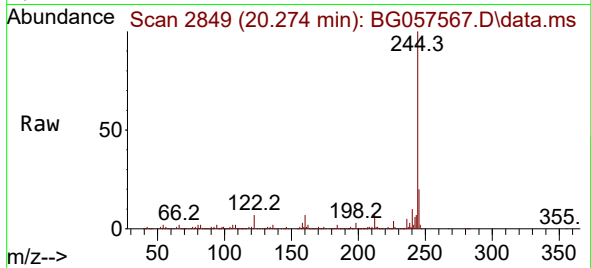
Tgt Ion:184 Resp: 6580

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

183 6.0 9.9 14.9#



#79

Terphenyl-d14

Concen: 53.068 ng

RT: 20.274 min Scan# 2849

Delta R.T. -0.002 min

Lab File: BG057567.D

Acq: 25 May 2023 21:17

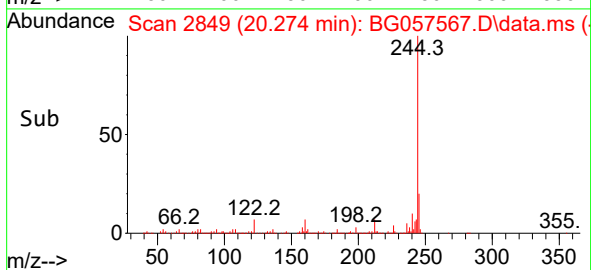
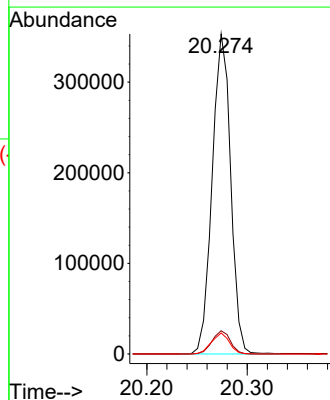
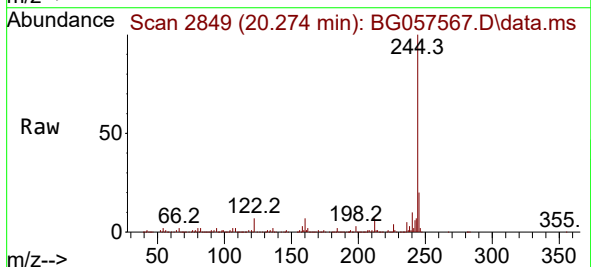
Tgt Ion:244 Resp: 450283

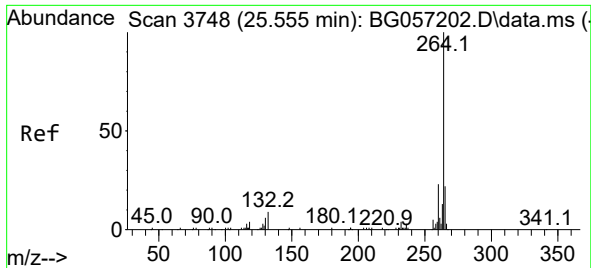
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

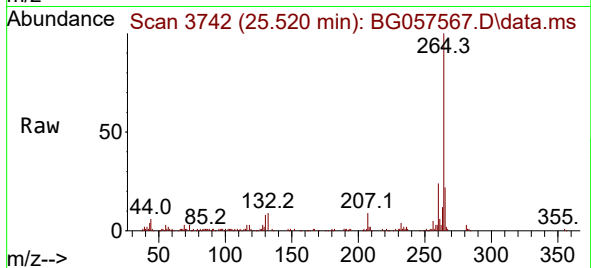
122 6.6 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.520 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057567.D
Acq: 25 May 2023 21:17

Instrument :
BNA_G
ClientSampleId :
SB13



Tgt Ion:264 Resp: 146565

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.5	17.9	26.9

