

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041223\
 Data File : BG057065.D
 Acq On : 12 Apr 2023 15:41
 Operator : CG/JU
 Sample : 02292-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SO-VB3-041123

Quant Time: Apr 13 05:24:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 13 05:15:23 2023
 Response via : Initial Calibration

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

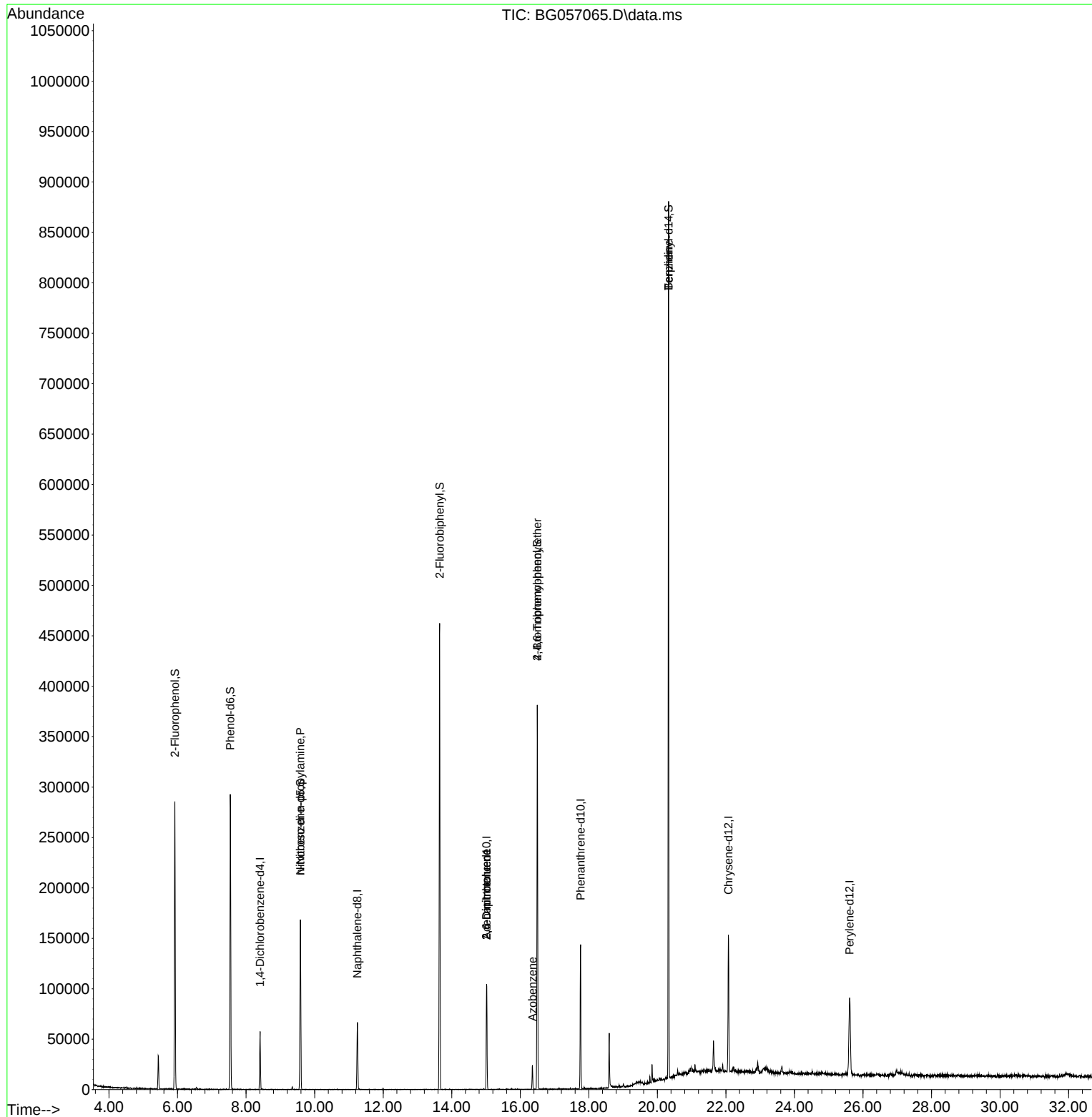
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	15528	20.000	ng	0.00
21) Naphthalene-d8	11.245	136	57189	20.000	ng	# 0.00
39) Acenaphthene-d10	15.016	164	39358	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	93709	20.000	ng	0.00
76) Chrysene-d12	22.077	240	86060	20.000	ng	0.00
86) Perylene-d12	25.608	264	94357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	123211	126.992	ng	0.00
7) Phenol-d6	7.538	99	170373	117.410	ng	0.00
23) Nitrobenzene-d5	9.582	82	108914	77.926	ng	0.00
42) 2,4,6-Tribromophenol	16.497	330	78917	125.513	ng	0.00
45) 2-Fluorobiphenyl	13.648	172	238586	82.201	ng	0.00
79) Terphenyl-d14	20.327	244	422757	83.125	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.582	70	15470	14.905	ng	# 79
51) 2,6-Dinitrotoluene	15.016	165	4806	7.173	ng	# 22
57) 2,4-Dinitrotoluene	15.016	165	4806	5.086	ng	# 24
63) Azobenzene	16.356	77	6957	2.245	ng	# 1
67) 4-Bromophenyl-phenylether	16.497	248	5009	4.320	ng	# 1
77) Benzidine	20.327	184	6913	2.939	ng	# 89

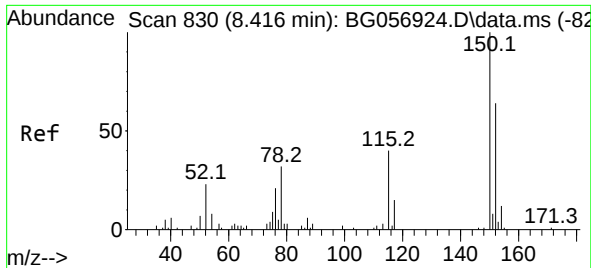
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041223\
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IDW-SO-VB3-041123

Quant Time: Apr 13 05:24:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 13 05:15:23 2023
Response via : Initial Calibration

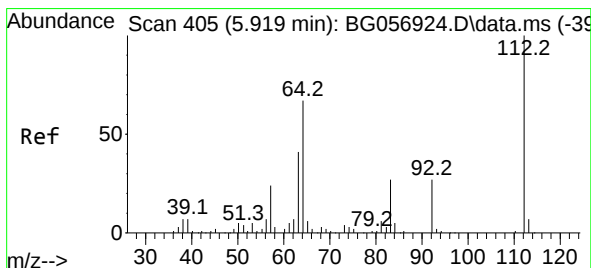
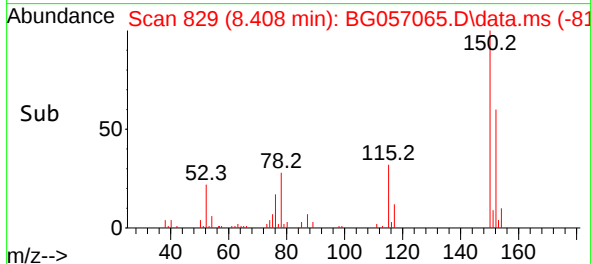
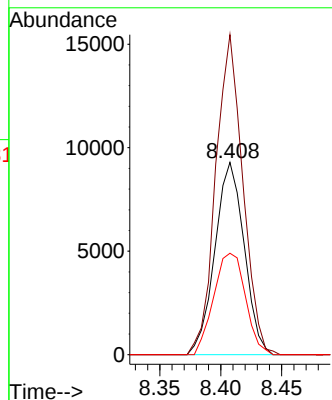
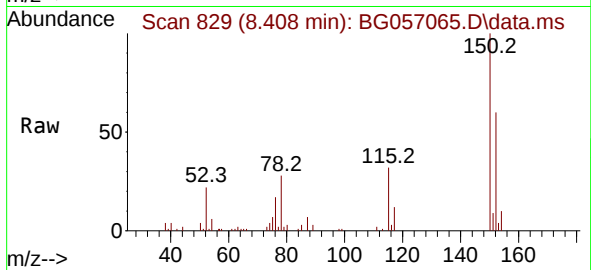




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

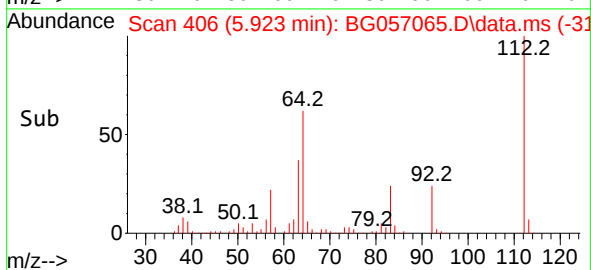
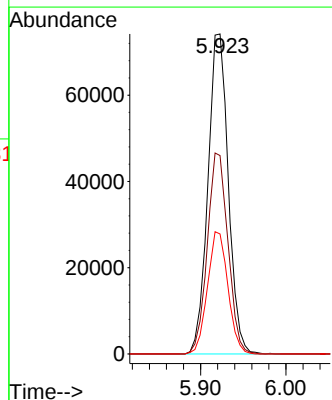
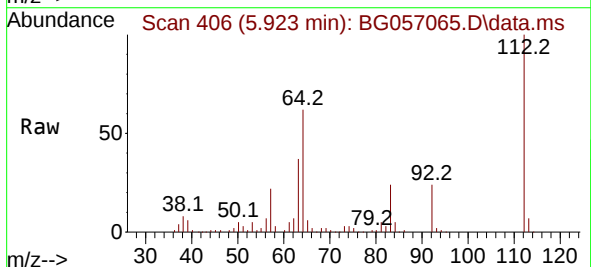
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123

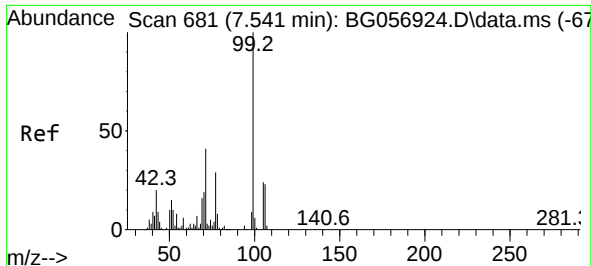
Tgt Ion:152 Resp: 15528
Ion Ratio Lower Upper
152 100
150 166.4 124.1 186.1
115 52.8 49.1 73.7



#5
2-Fluorophenol
Concen: 126.992 ng
RT: 5.923 min Scan# 406
Delta R.T. 0.008 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

Tgt Ion:112 Resp: 123211
Ion Ratio Lower Upper
112 100
64 62.0 53.2 79.8
63 37.5 32.6 48.8

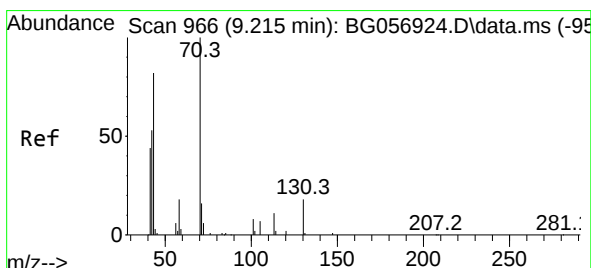
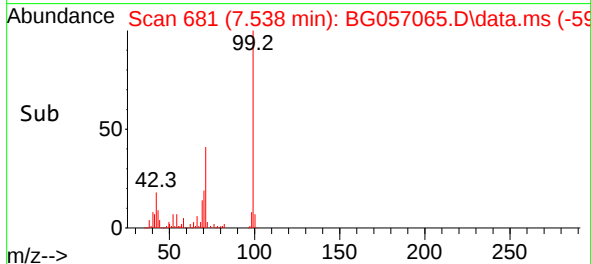
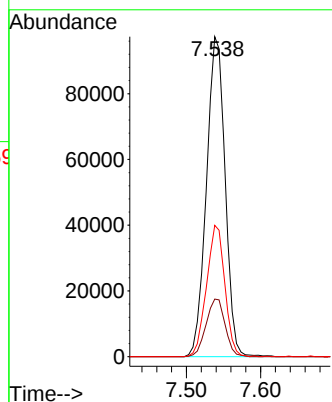
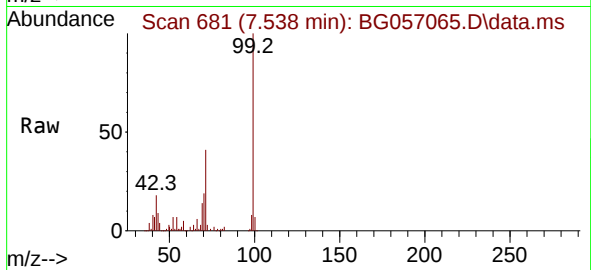




#7
Phenol-d6
Concen: 117.410 ng
RT: 7.538 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

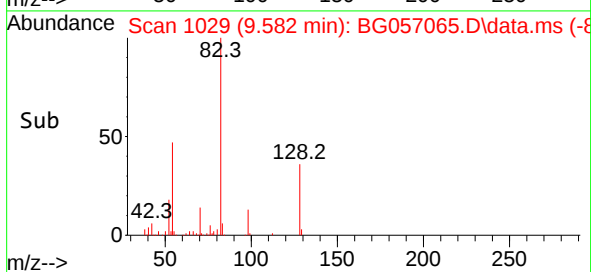
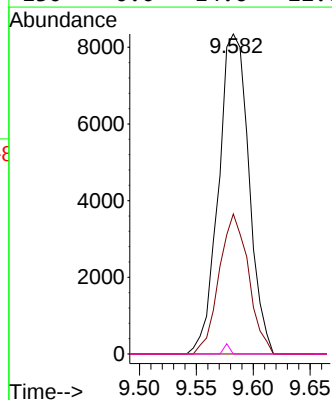
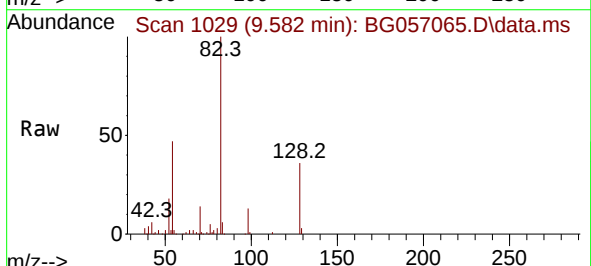
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123

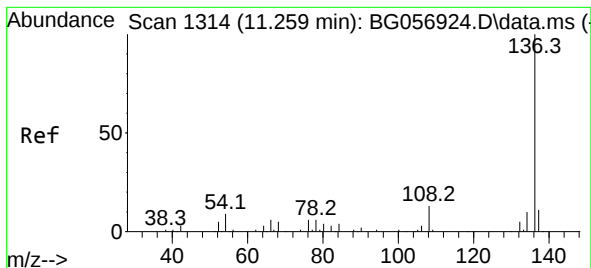
Tgt Ion: 99 Resp: 170373
Ion Ratio Lower Upper
99 100
42 18.0 15.7 23.5
71 41.1 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.905 ng
RT: 9.582 min Scan# 1029
Delta R.T. 0.372 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

Tgt Ion: 70 Resp: 15470
Ion Ratio Lower Upper
70 100
42 43.8 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.245 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG057065.D

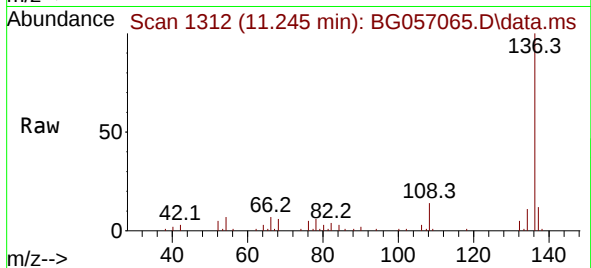
Acq: 12 Apr 2023 15:41

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123



Tgt Ion:136 Resp: 57189

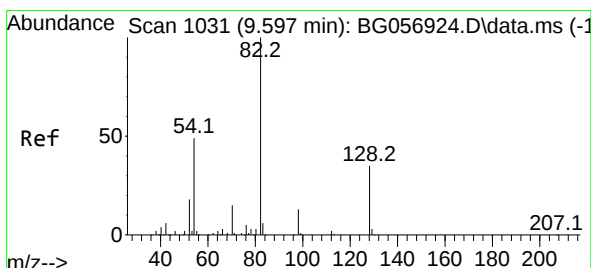
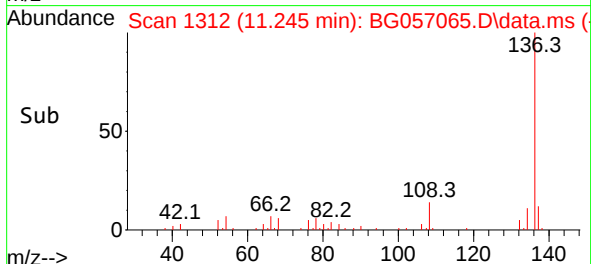
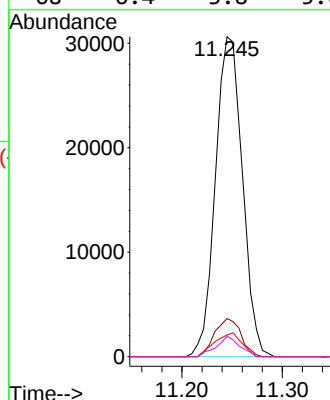
Ion Ratio Lower Upper

136 100

137 11.9 8.6 13.0

54 6.8 6.9 10.3#

68 6.4 3.8 5.6#



#23

Nitrobenzene-d5

Concen: 77.926 ng

RT: 9.582 min Scan# 1029

Delta R.T. -0.004 min

Lab File: BG057065.D

Acq: 12 Apr 2023 15:41

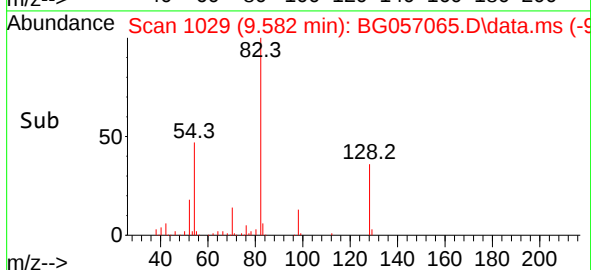
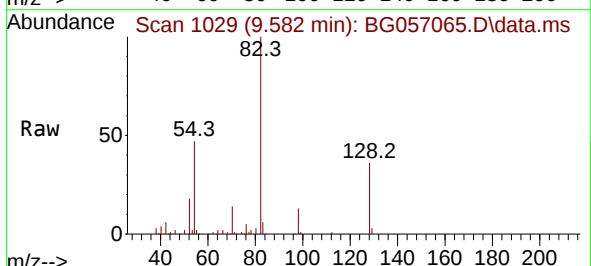
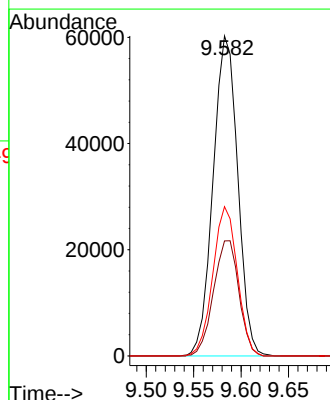
Tgt Ion: 82 Resp: 108914

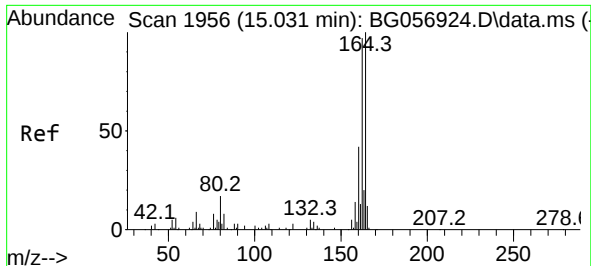
Ion Ratio Lower Upper

82 100

128 35.9 27.9 41.9

54 46.6 39.4 59.2

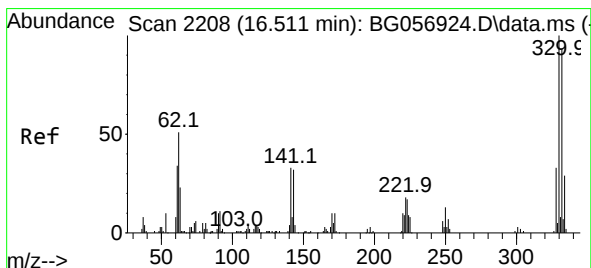
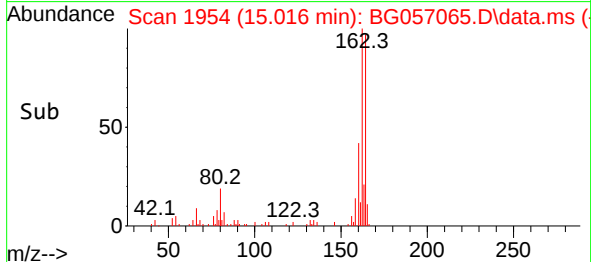
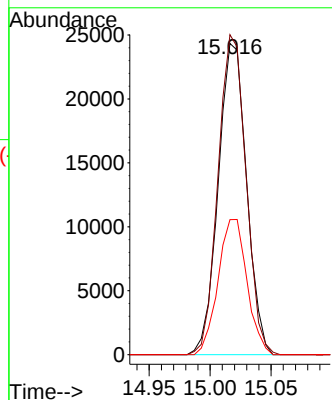
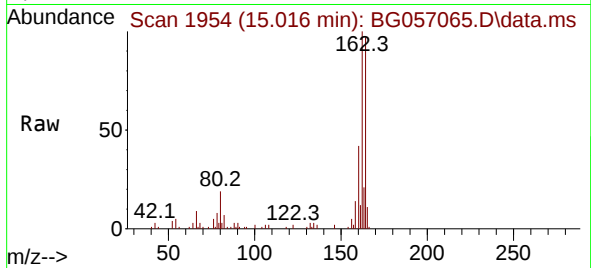




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.016 min Scan# 1954
Delta R.T. -0.004 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

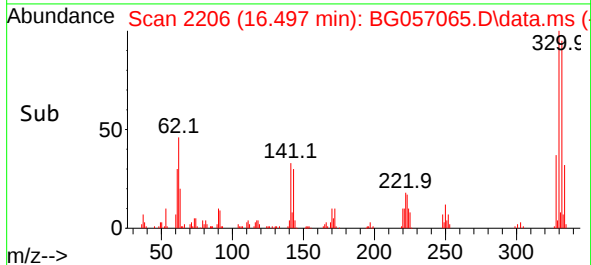
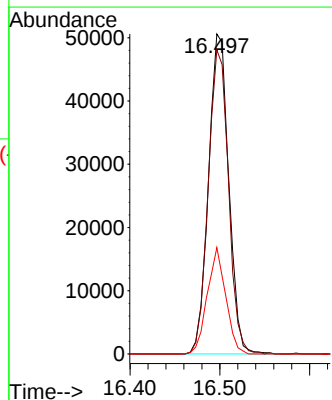
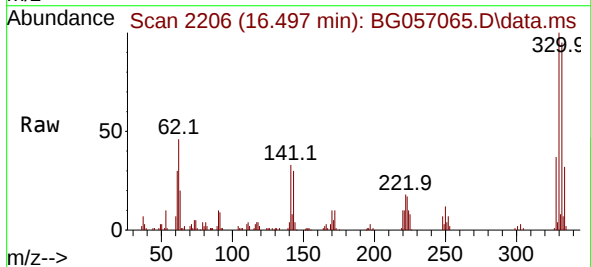
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123

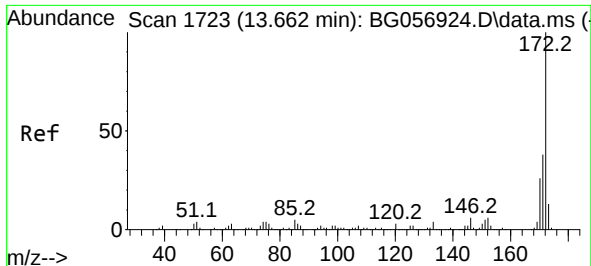
Tgt Ion:164 Resp: 39358
Ion Ratio Lower Upper
164 100
162 102.8 77.8 116.8
160 43.4 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 125.513 ng
RT: 16.497 min Scan# 2206
Delta R.T. -0.004 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

Tgt Ion:330 Resp: 78917
Ion Ratio Lower Upper
330 100
332 95.2 76.1 114.1
141 30.4 25.8 38.6

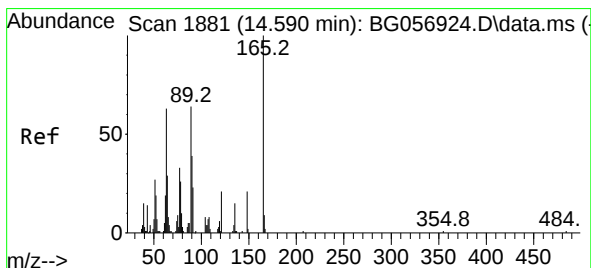
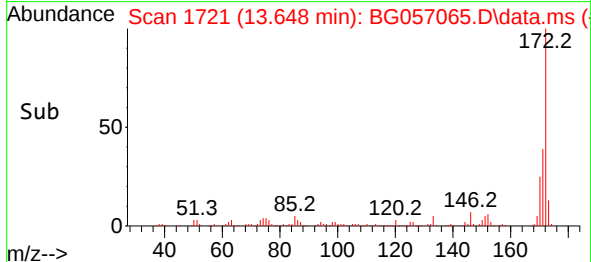
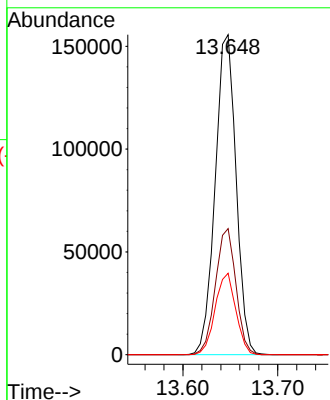
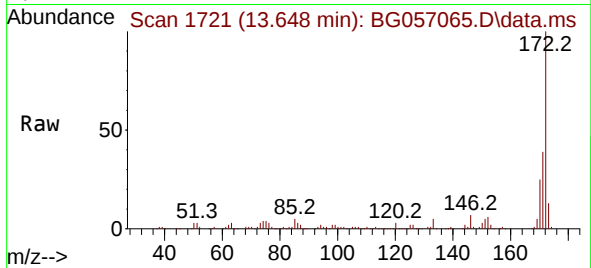




#45
2-Fluorobiphenyl
Concen: 82.201 ng
RT: 13.648 min Scan# 1721
Delta R.T. 0.002 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

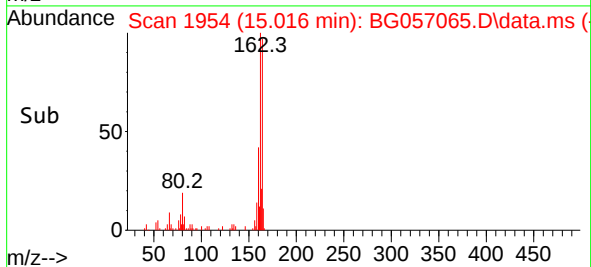
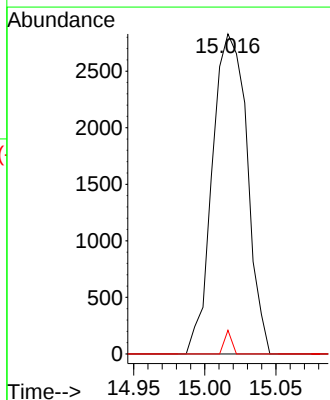
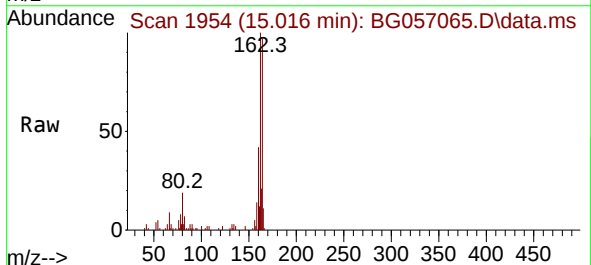
Instrument :
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ClientSampleId :
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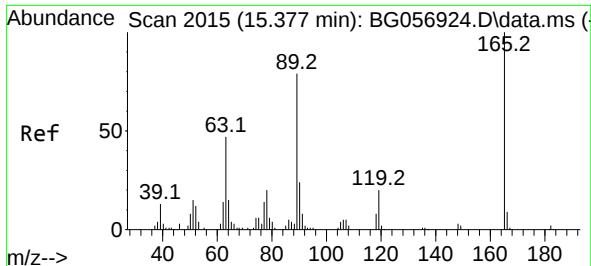
Tgt Ion:172 Resp: 238586
Ion Ratio Lower Upper
172 100
171 39.4 30.6 46.0
170 25.5 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.173 ng
RT: 15.016 min Scan# 1954
Delta R.T. 0.431 min
Lab File: BG057065.D
Acq: 12 Apr 2023 15:41

Tgt Ion:165 Resp: 4806
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 7.4 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.086 ng

RT: 15.016 min Scan# 1954

Delta R.T. -0.350 min

Lab File: BG057065.D

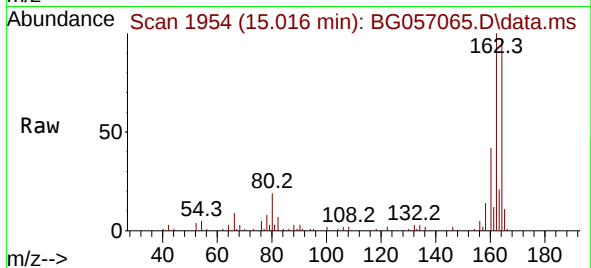
Acq: 12 Apr 2023 15:41

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123



Tgt Ion:165 Resp: 4806

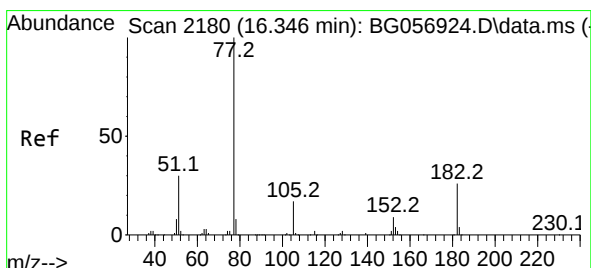
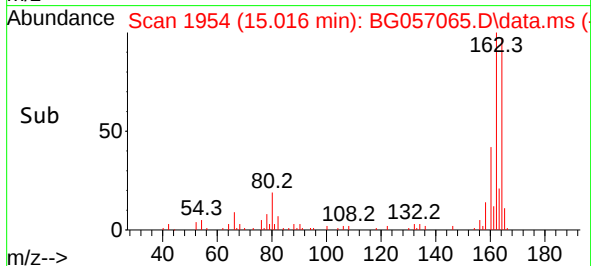
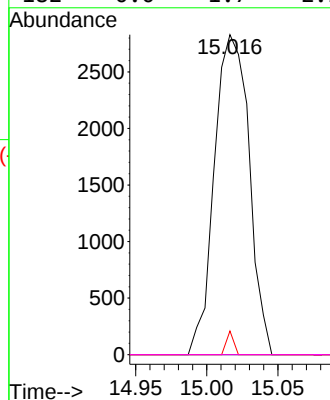
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 7.4 63.2 94.8#

182 0.0 1.7 2.5#



#63

Azobenzene

Concen: 2.245 ng

RT: 16.356 min Scan# 2182

Delta R.T. 0.020 min

Lab File: BG057065.D

Acq: 12 Apr 2023 15:41

Tgt Ion: 77 Resp: 6957

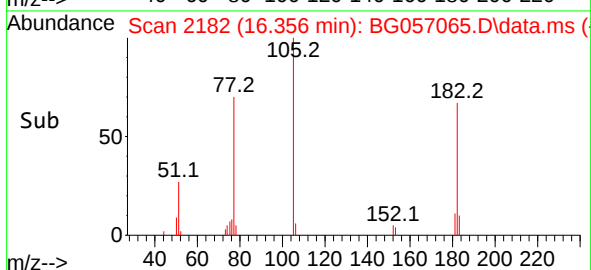
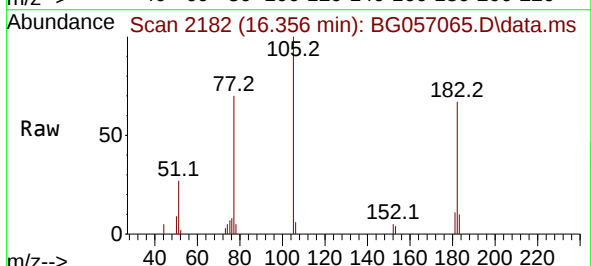
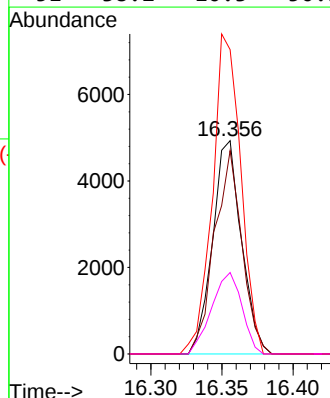
Ion Ratio Lower Upper

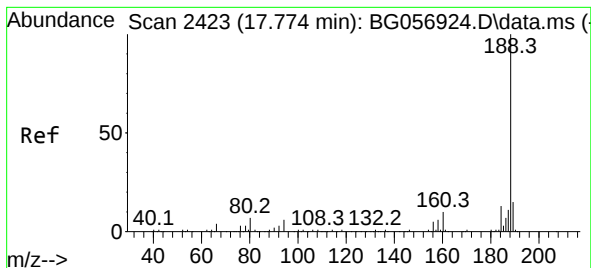
77 100

182 95.3 5.9 45.9#

105 142.7 0.0 36.8#

51 38.2 10.3 50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.760 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG057065.D

Acq: 12 Apr 2023 15:41

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123

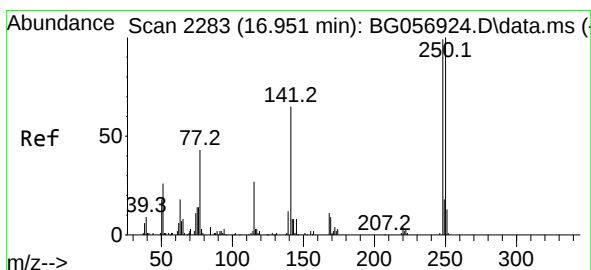
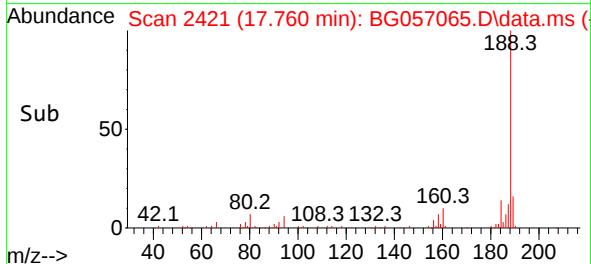
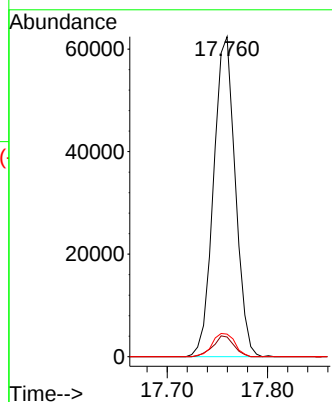
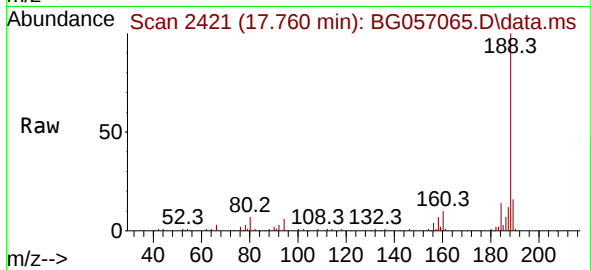
Tgt Ion:188 Resp: 93709

Ion Ratio Lower Upper

188 100

94 6.2 4.6 6.8

80 7.0 5.5 8.3



#67

4-Bromophenyl-phenylether

Concen: 4.320 ng

RT: 16.497 min Scan# 2206

Delta R.T. -0.438 min

Lab File: BG057065.D

Acq: 12 Apr 2023 15:41

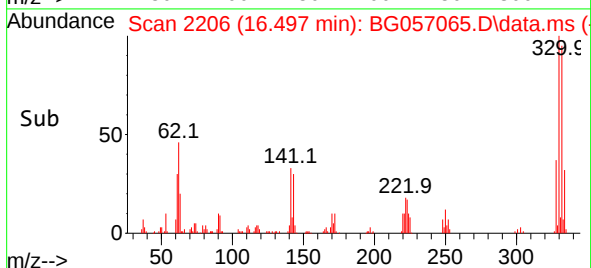
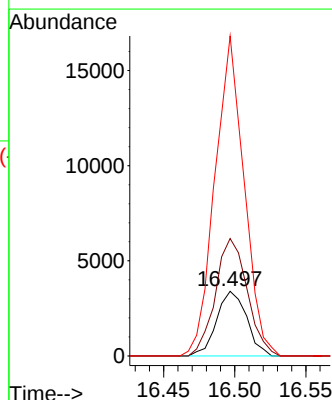
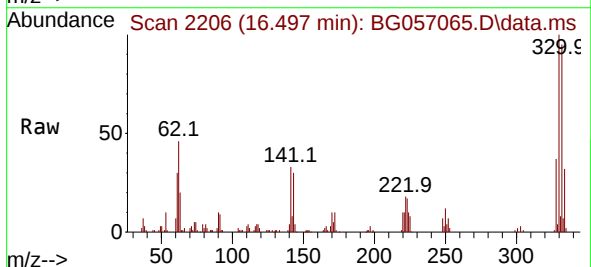
Tgt Ion:248 Resp: 5009

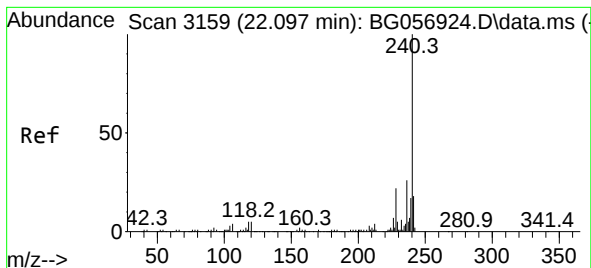
Ion Ratio Lower Upper

248 100

250 181.6 80.5 120.7#

141 494.6 52.0 78.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.077 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG057065.D

Acq: 12 Apr 2023 15:41

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123

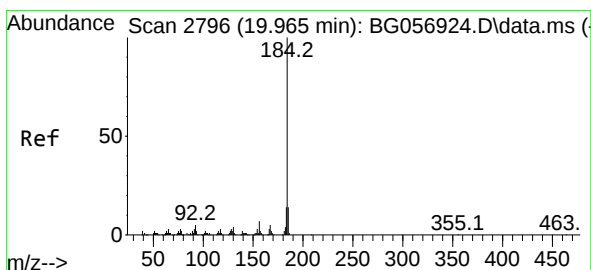
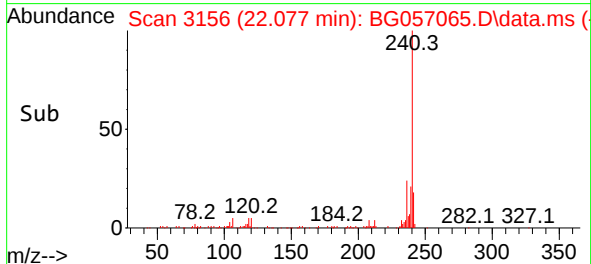
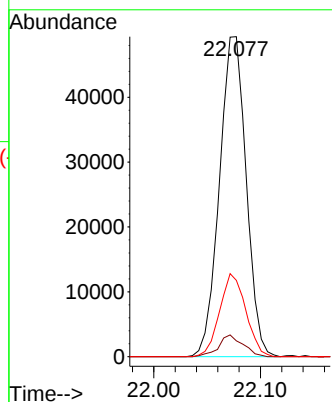
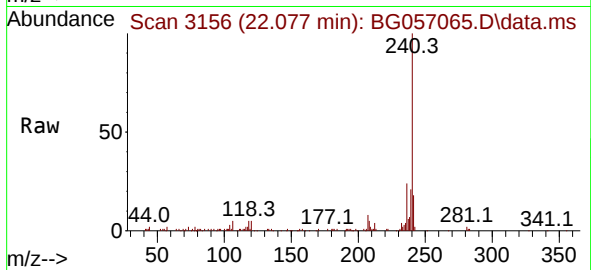
Tgt Ion:240 Resp: 86060

Ion Ratio Lower Upper

240 100

120 5.0 3.8 5.6

236 23.9 21.0 31.6



#77

Benzidine

Concen: 2.939 ng

RT: 20.327 min Scan# 2858

Delta R.T. 0.372 min

Lab File: BG057065.D

Acq: 12 Apr 2023 15:41

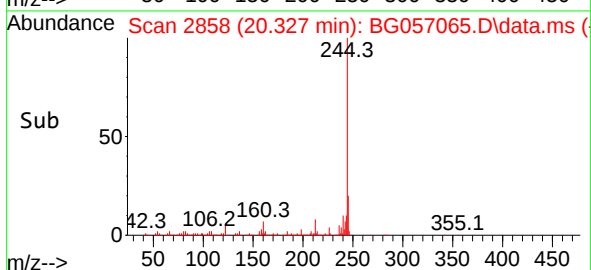
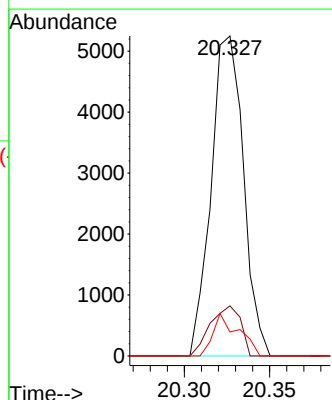
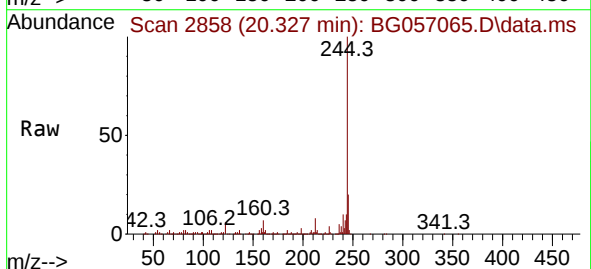
Tgt Ion:184 Resp: 6913

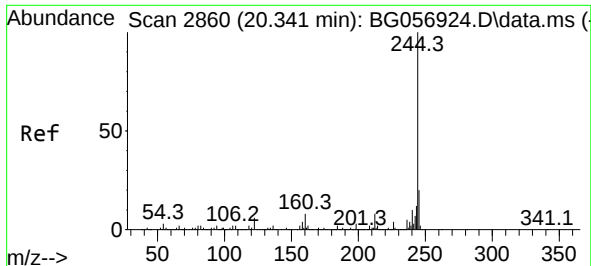
Ion Ratio Lower Upper

184 100

185 15.6 11.0 16.4

183 7.5 11.4 17.0#

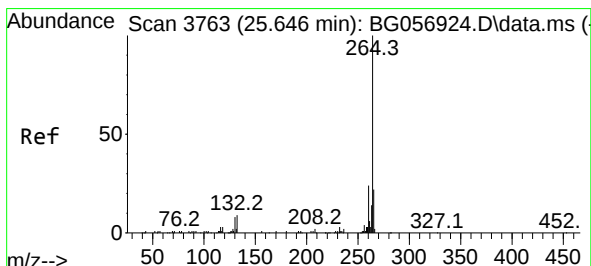
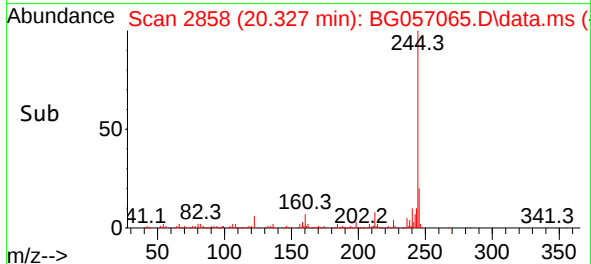
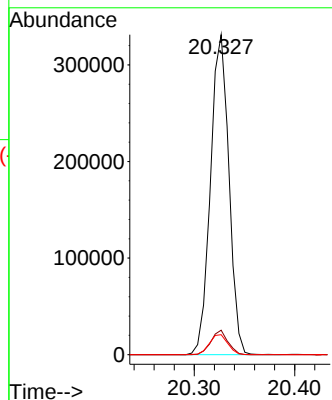
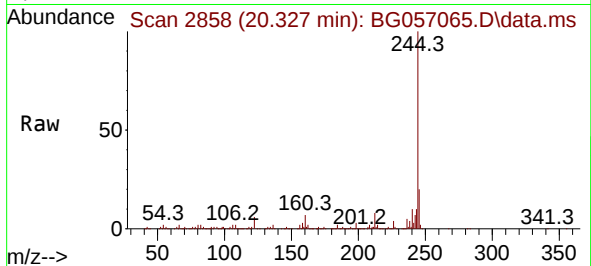




#79
 Terphenyl-d14
 Concen: 83.125 ng
 RT: 20.327 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG057065.D
 Acq: 12 Apr 2023 15:41

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SO-VB3-041123

Tgt Ion:244 Resp: 422757
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 6.2 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.608 min Scan# 3757
 Delta R.T. -0.004 min
 Lab File: BG057065.D
 Acq: 12 Apr 2023 15:41

Tgt Ion:264 Resp: 94357
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.4
 265 22.2 17.8 26.6

