

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057467.D
 Acq On : 19 May 2023 14:37
 Operator : CG/JU
 Sample : PB152407BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152407BL

Quant Time: May 20 04:27:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

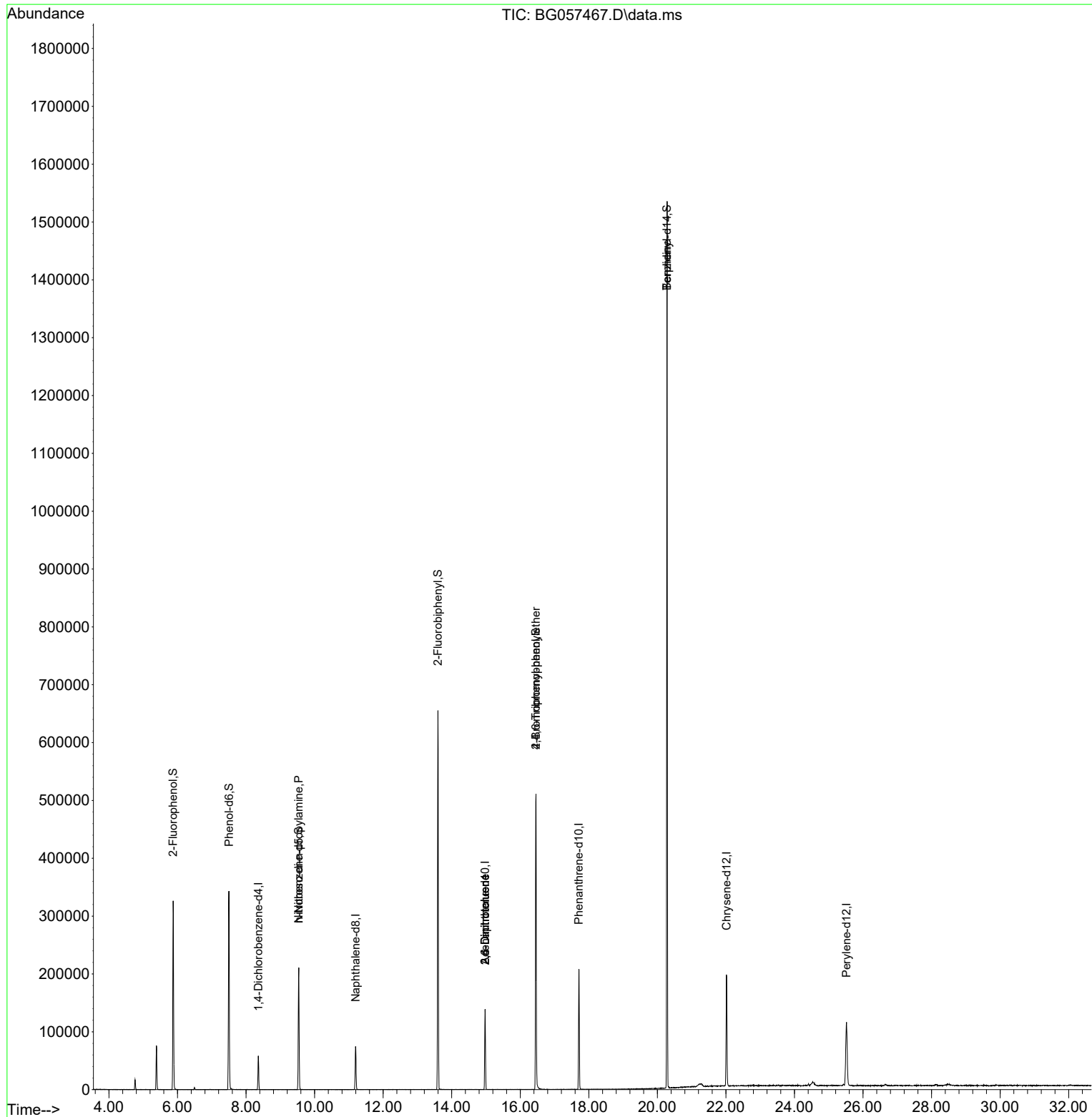
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	16479	20.000	ng	0.00
21) Naphthalene-d8	11.194	136	67502	20.000	ng	0.00
39) Acenaphthene-d10	14.972	164	54156	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	144678	20.000	ng	0.00
76) Chrysene-d12	22.015	240	135320	20.000	ng	0.00
86) Perylene-d12	25.516	264	144124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	141906	147.306	ng	0.00
7) Phenol-d6	7.499	99	208125	142.272	ng	0.00
23) Nitrobenzene-d5	9.538	82	131396	81.698	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	112176	145.983	ng	0.00
45) 2-Fluorobiphenyl	13.597	172	358376	89.124	ng	0.00
79) Terphenyl-d14	20.282	244	791961	95.508	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.494	77	377	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.538	70	18981	17.016	ng	# 83
51) 2,6-Dinitrotoluene	14.972	165	6920	7.616	ng	# 17
57) 2,4-Dinitrotoluene	14.972	165	6920	5.329	ng	# 20
67) 4-Bromophenyl-phenylether	16.458	248	7729	4.376	ng	# 1
77) Benzidine	20.282	184	11277	3.728	ng	# 89

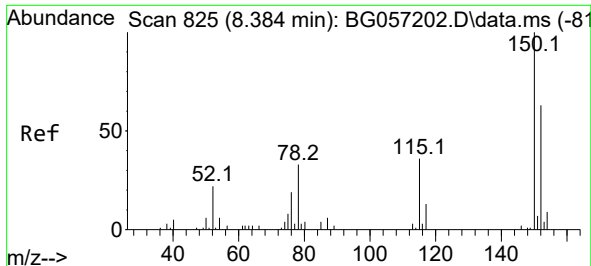
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
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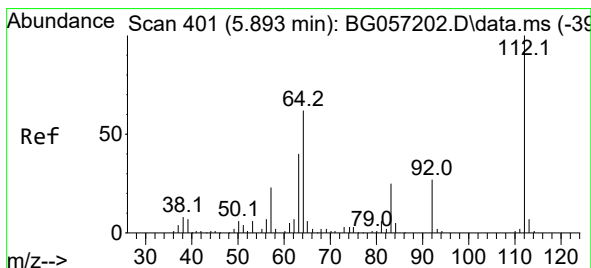
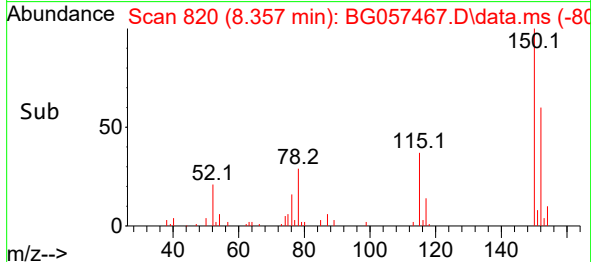
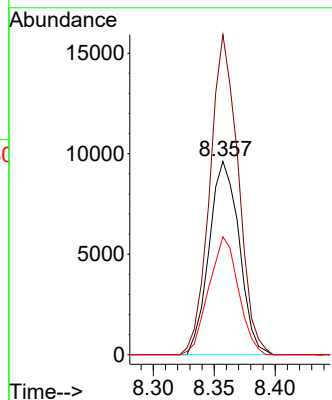
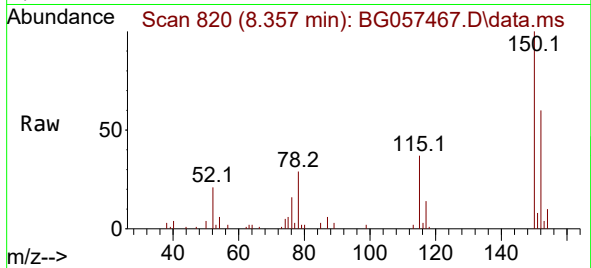




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.357 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

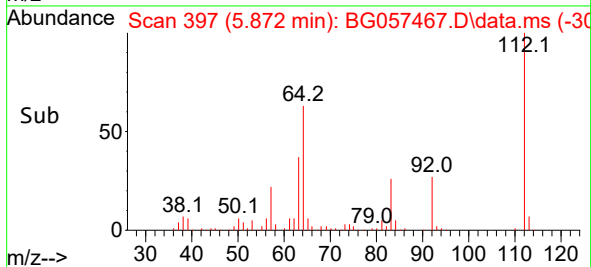
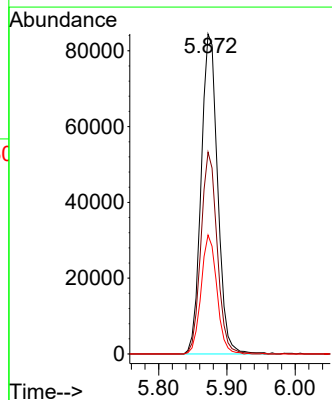
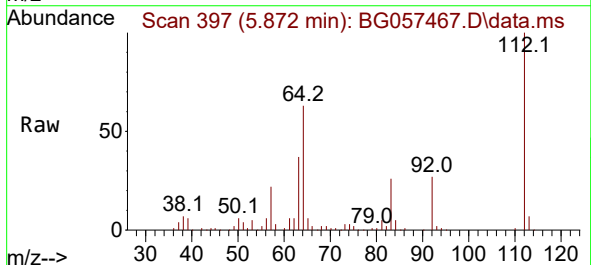
Instrument :
BNA_G
ClientSampleId :
PB152407BL

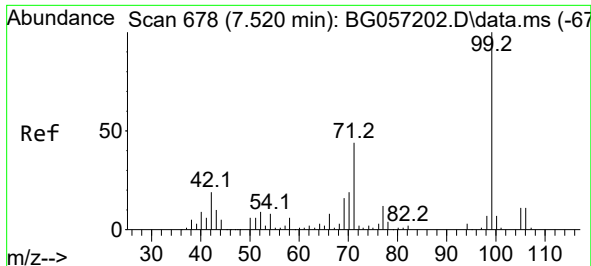
Tgt Ion:152 Resp: 16479
Ion Ratio Lower Upper
152 100
150 165.5 126.2 189.4
115 61.0 45.0 67.4



#5
2-Fluorophenol
Concen: 147.306 ng
RT: 5.872 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

Tgt Ion:112 Resp: 141906
Ion Ratio Lower Upper
112 100
64 63.1 49.4 74.2
63 37.1 31.6 47.4

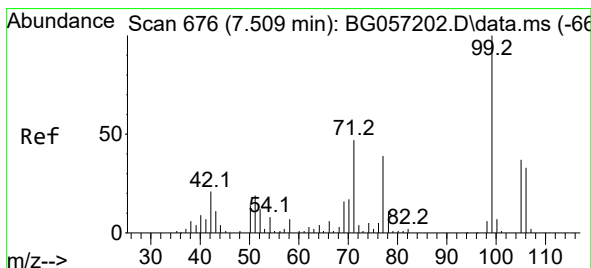
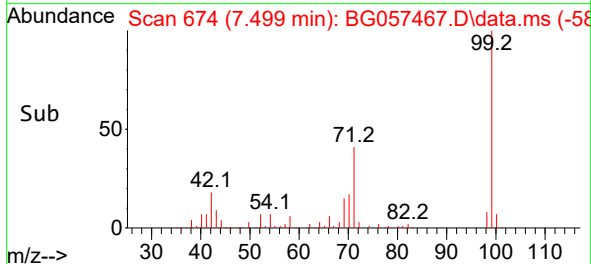
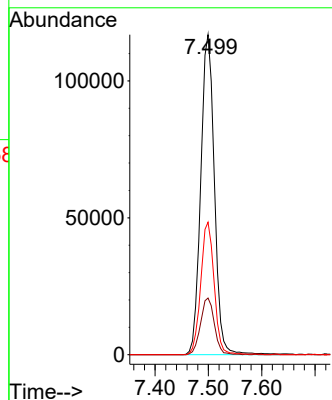
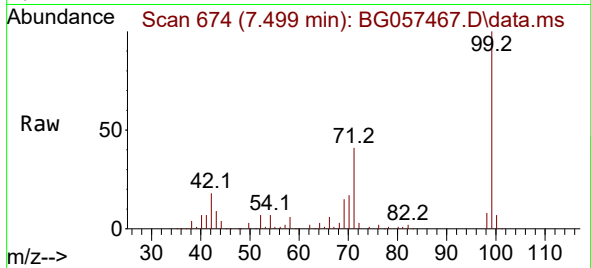




#7
Phenol-d6
Concen: 142.272 ng
RT: 7.499 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

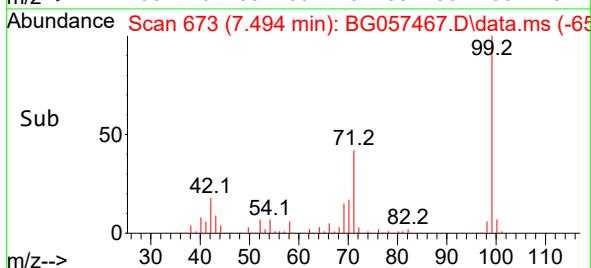
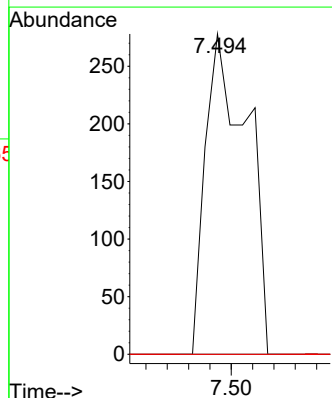
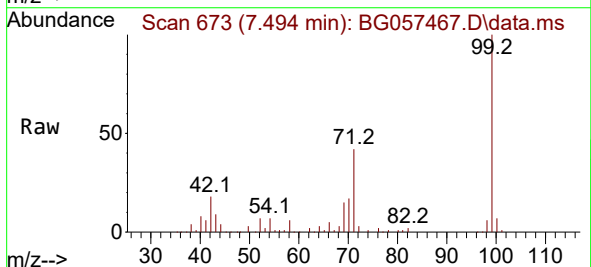
Instrument :
BNA_G
ClientSampleId :
PB152407BL

Tgt Ion: 99 Resp: 208125
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 41.4 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.494 min Scan# 673
Delta R.T. 0.007 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

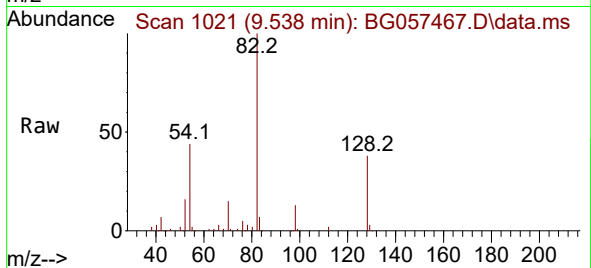
Tgt Ion: 77 Resp: 377
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



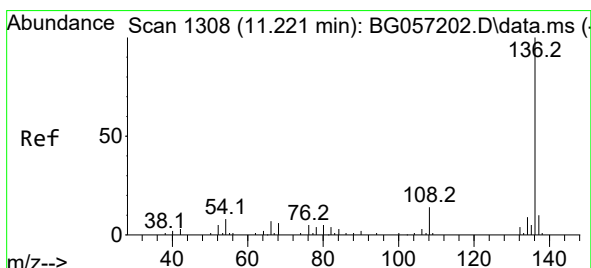
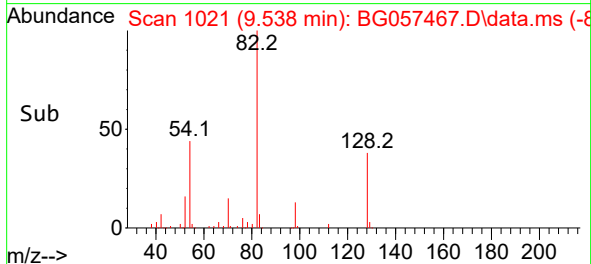
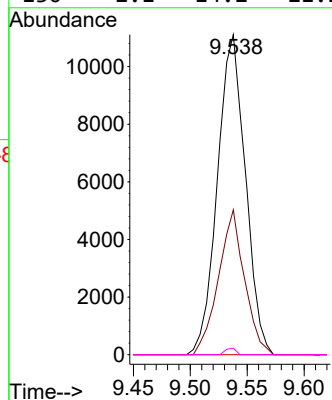


#19
n-Nitroso-di-n-propylamine
Concen: 17.016 ng
RT: 9.538 min Scan# 1021
Delta R.T. 0.377 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

Instrument :
BNA_G
ClientSampleId :
PB152407BL

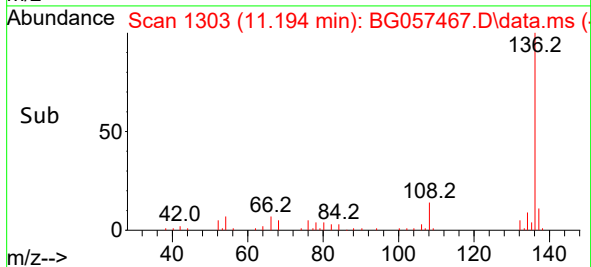
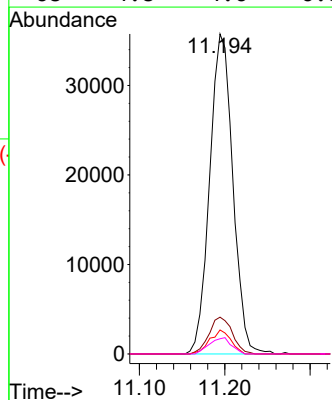
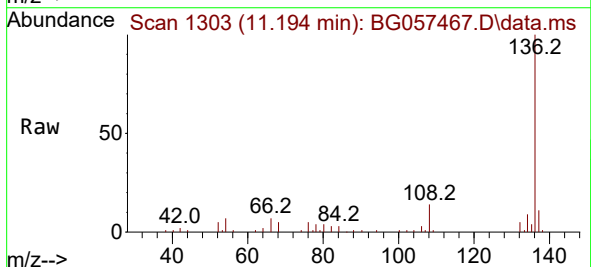


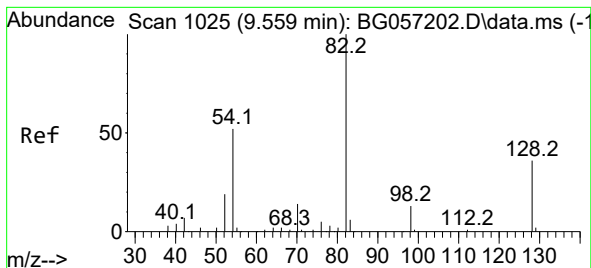
Tgt Ion: 70 Resp: 18981
Ion Ratio Lower Upper
70 100
42 45.3 41.8 62.8
101 0.0 6.8 10.2#
130 2.1 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 1303
Delta R.T. -0.005 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

Tgt Ion: 136 Resp: 67502
Ion Ratio Lower Upper
136 100
137 11.5 8.3 12.5
54 7.5 6.7 10.1
68 4.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 81.698 ng

RT: 9.538 min Scan# 1021

Delta R.T. 0.001 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

Instrument :

BNA_G

ClientSampleId :

PB152407BL

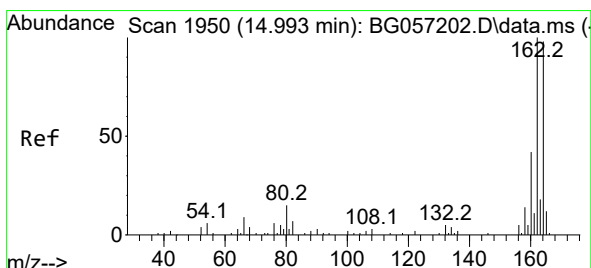
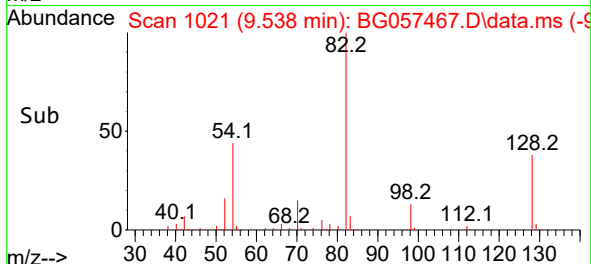
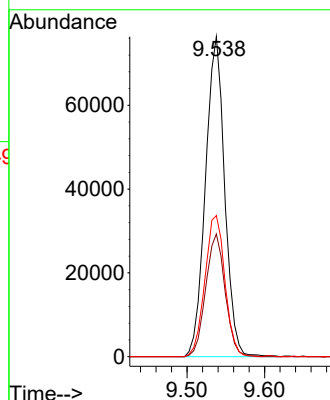
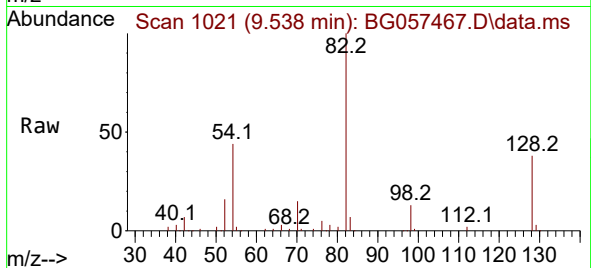
Tgt Ion: 82 Resp: 131396

Ion Ratio Lower Upper

82 100

128 38.4 29.0 43.4

54 44.1 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.972 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

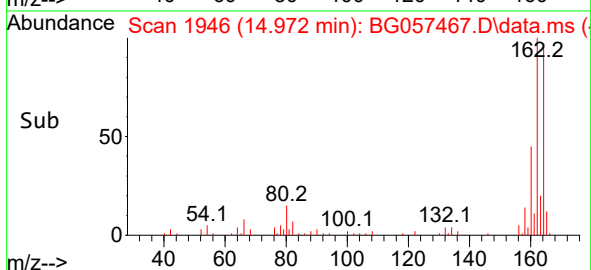
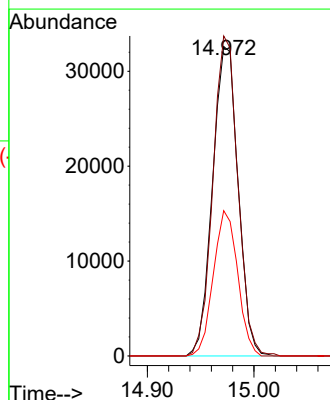
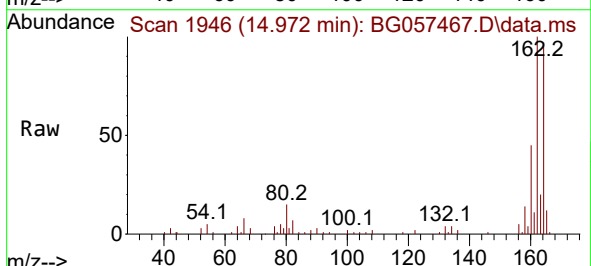
Tgt Ion:164 Resp: 54156

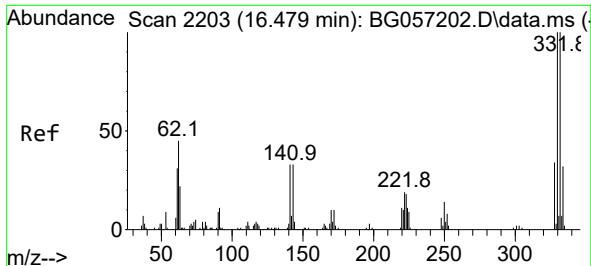
Ion Ratio Lower Upper

164 100

162 103.4 81.8 122.6

160 46.9 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 145.983 ng

RT: 16.458 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

Instrument :

BNA_G

ClientSampleId :

PB152407BL

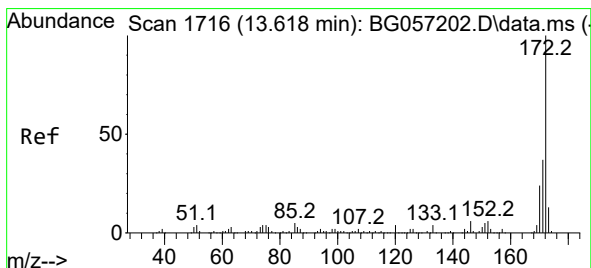
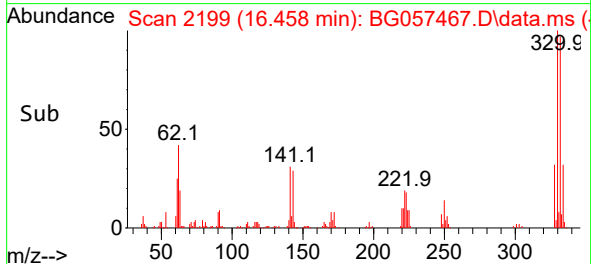
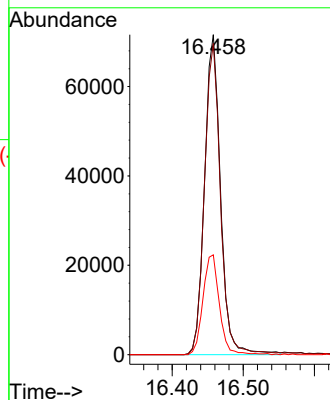
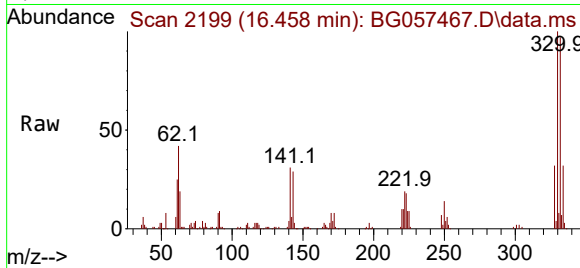
Tgt Ion:330 Resp: 112176

Ion Ratio Lower Upper

330 100

332 98.7 78.2 117.2

141 32.1 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 89.124 ng

RT: 13.597 min Scan# 1712

Delta R.T. -0.005 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

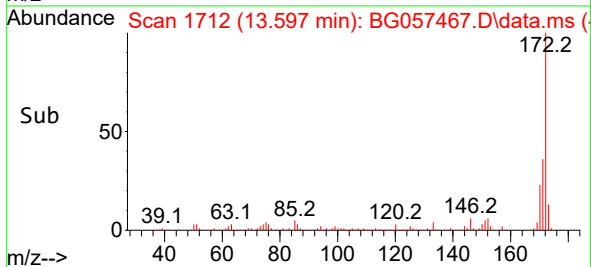
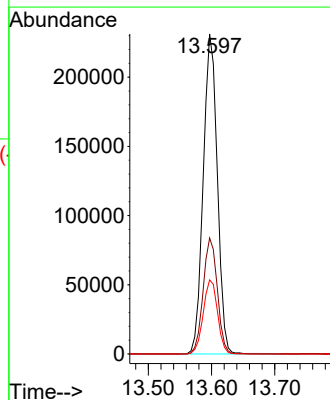
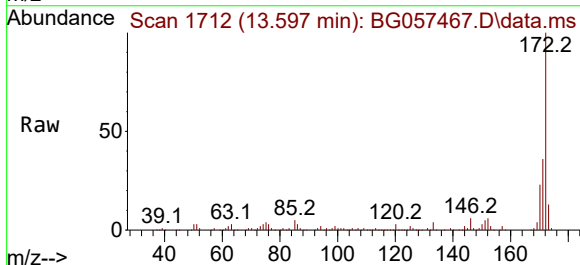
Tgt Ion:172 Resp: 358376

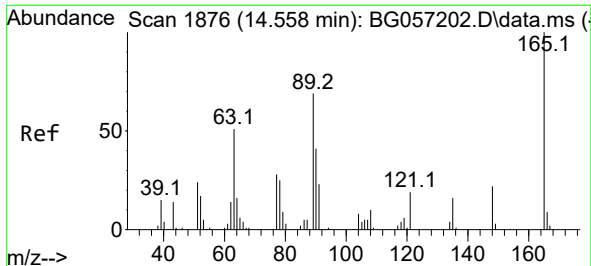
Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

170 23.1 19.0 28.6

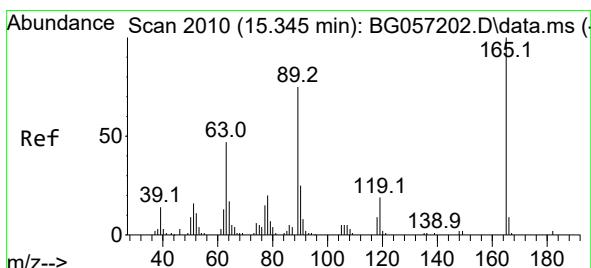
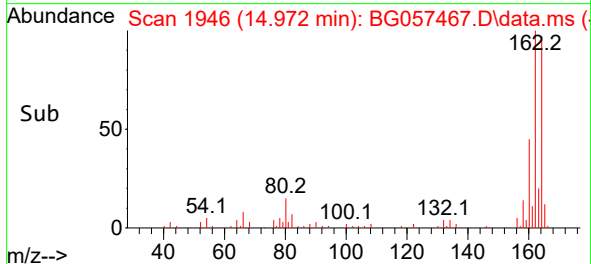
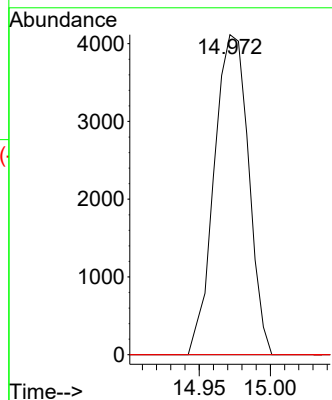
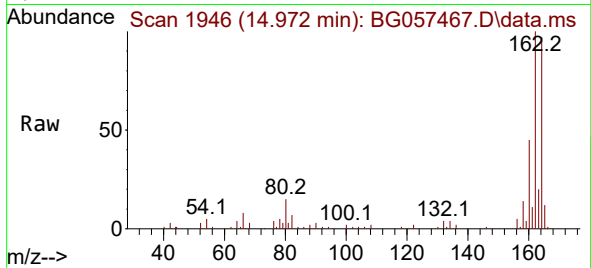




#51
2,6-Dinitrotoluene
Concen: 7.616 ng
RT: 14.972 min Scan# 1946
Delta R.T. 0.430 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

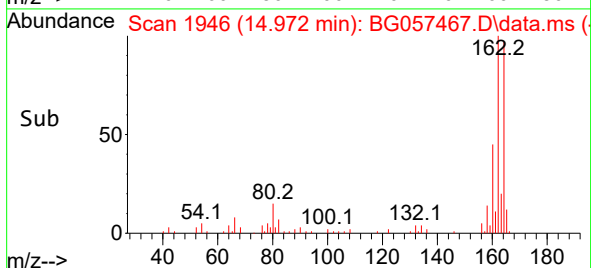
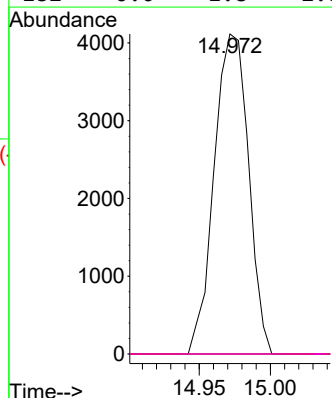
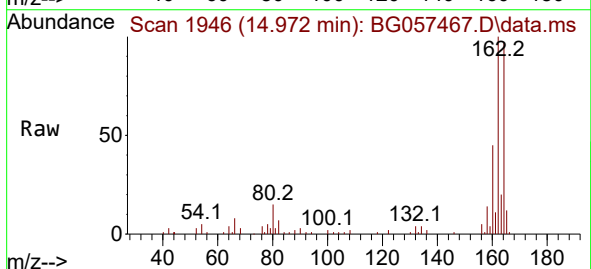
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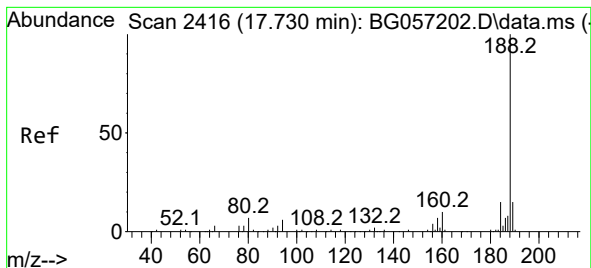
Tgt Ion:165 Resp: 6920
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.329 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.357 min
Lab File: BG057467.D
Acq: 19 May 2023 14:37

Tgt Ion:165 Resp: 6920
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.709 min Scan# 2416

Delta R.T. -0.005 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

Instrument :

BNA_G

ClientSampleId :

PB152407BL

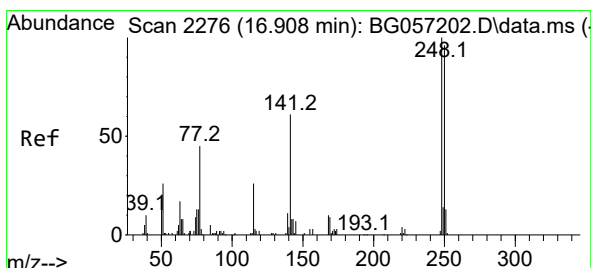
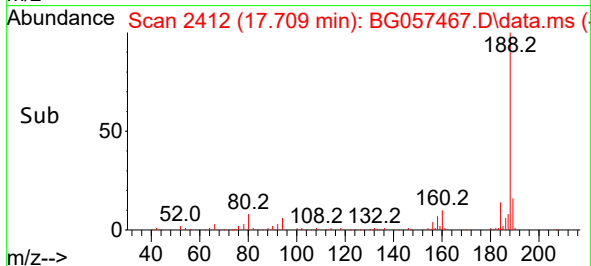
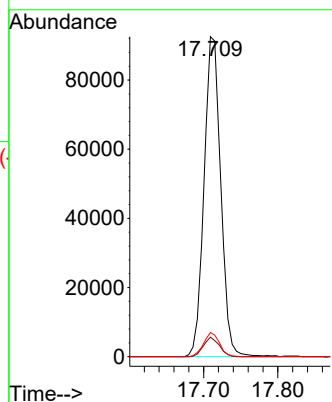
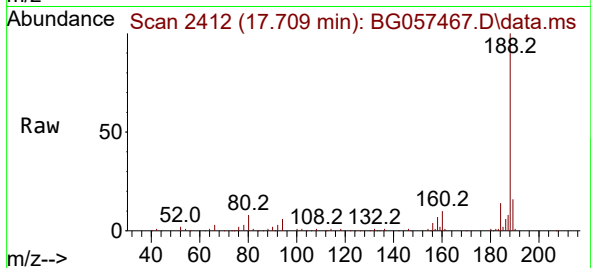
Tgt Ion:188 Resp: 144678

Ion Ratio Lower Upper

188 100

94 6.1 5.1 7.7

80 7.5 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 4.376 ng

RT: 16.458 min Scan# 2199

Delta R.T. -0.428 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

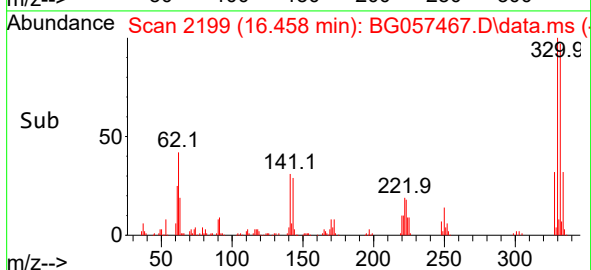
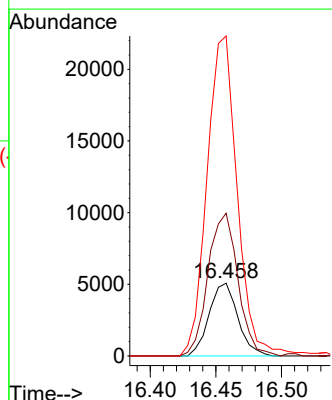
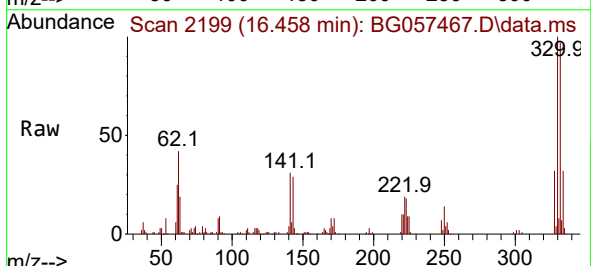
Tgt Ion:248 Resp: 7729

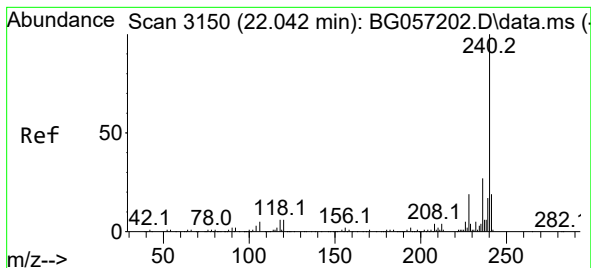
Ion Ratio Lower Upper

248 100

250 196.1 77.0 115.6#

141 439.7 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.015 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

Instrument :

BNA_G

ClientSampleId :

PB152407BL

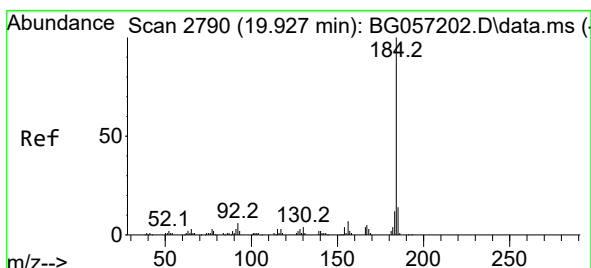
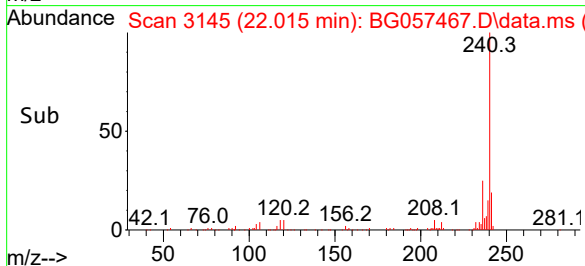
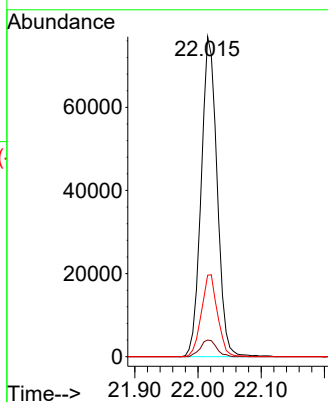
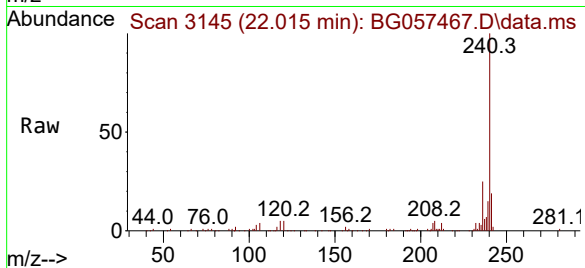
Tgt Ion:240 Resp: 135320

Ion Ratio Lower Upper

240 100

120 5.2 4.9 7.3

236 25.5 21.4 32.2



#77

Benzidine

Concen: 3.728 ng

RT: 20.282 min Scan# 2850

Delta R.T. 0.371 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

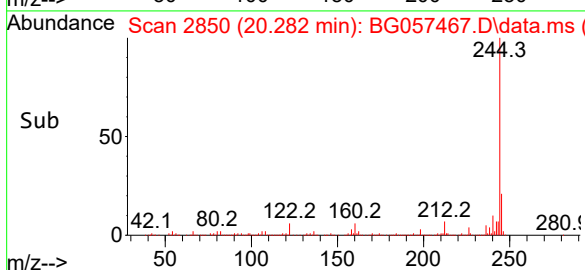
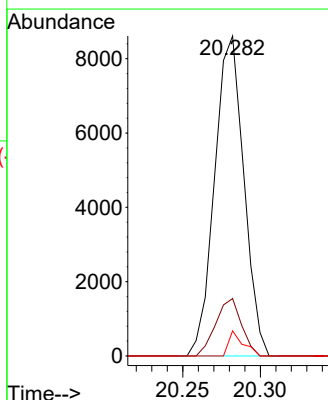
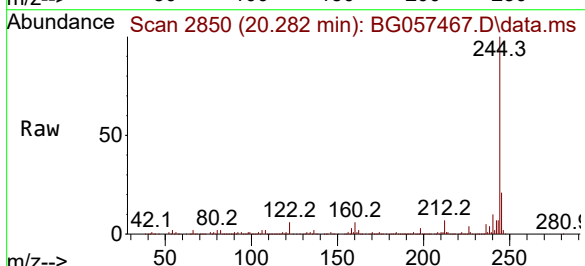
Tgt Ion:184 Resp: 11277

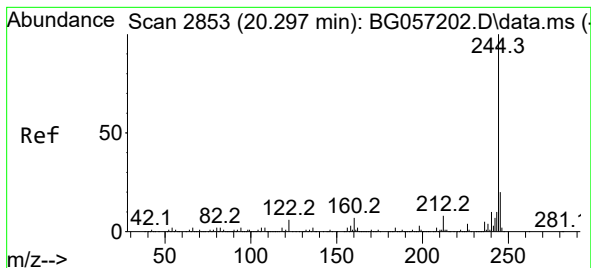
Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

183 7.8 9.9 14.9#





#79

Terphenyl-d14

Concen: 95.508 ng

RT: 20.282 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

Instrument :

BNA_G

ClientSampleId :

PB152407BL

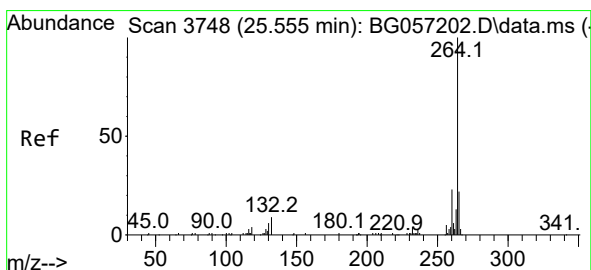
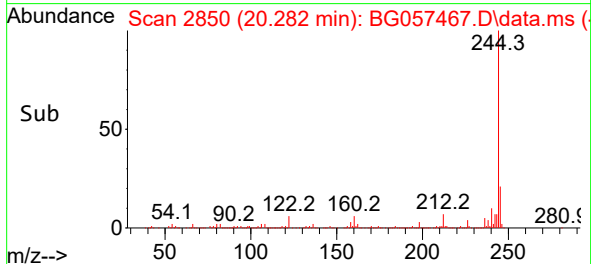
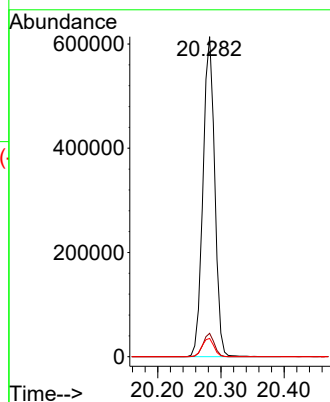
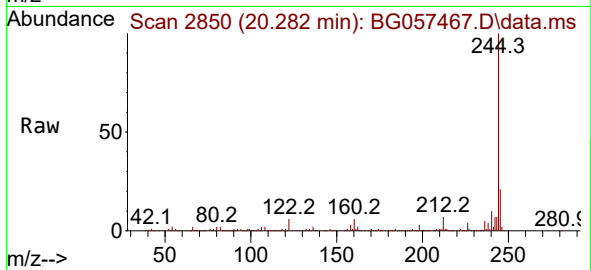
Tgt Ion:244 Resp: 791961

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 5.7 5.1 7.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.516 min Scan# 3741

Delta R.T. 0.001 min

Lab File: BG057467.D

Acq: 19 May 2023 14:37

Tgt Ion:264 Resp: 144124

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.1 17.9 26.9

