

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057503.D
 Acq On : 22 May 2023 21:25
 Operator : CG/JU
 Sample : 02840-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: May 23 04:07:57 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)

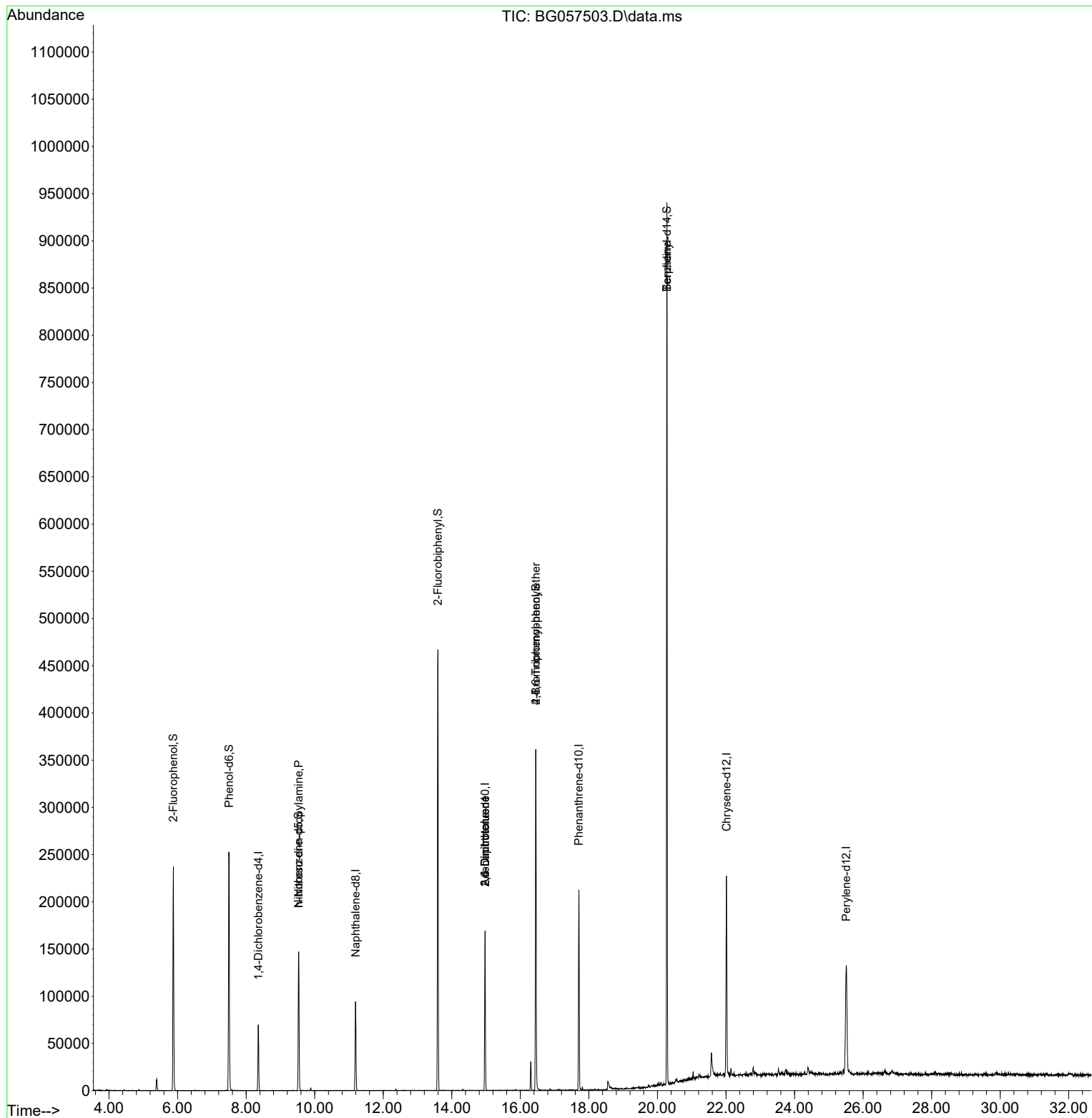
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	20366	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	80068	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	59724	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	144196	20.000	ng	0.00
76) Chrysene-d12	22.013	240	134351	20.000	ng	0.00
86) Perylene-d12	25.508	264	141822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	104494	87.768	ng	0.00
7) Phenol-d6	7.497	99	155987	86.280	ng	0.00
23) Nitrobenzene-d5	9.530	82	98027	51.385	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	78016	92.063	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	252195	56.871	ng	0.00
79) Terphenyl-d14	20.274	244	480678	58.386	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.485	77	130	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.536	70	13787	10.001 ng	#	73
51) 2,6-Dinitrotoluene	14.969	165	7524	7.509 ng	#	17
57) 2,4-Dinitrotoluene	14.969	165	7524	5.254 ng	#	20
67) 4-Bromophenyl-phenylether	16.450	248	5376	3.054 ng	#	1
77) Benzidine	20.274	184	6915	2.302 ng	#	92

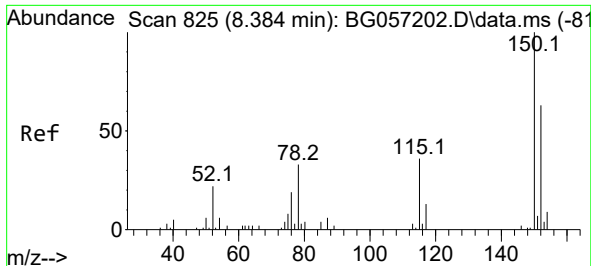
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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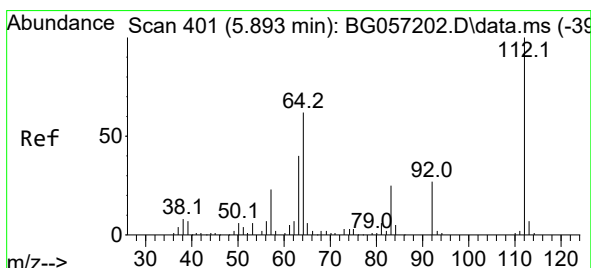
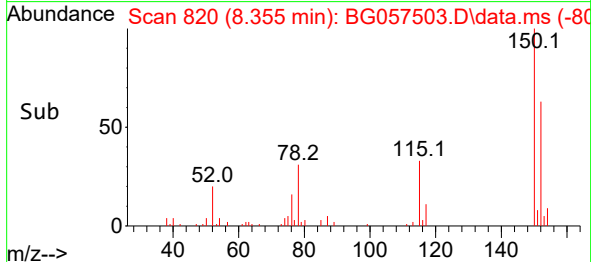
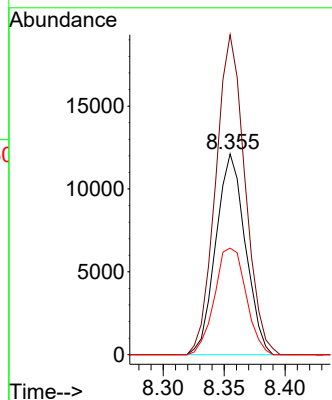
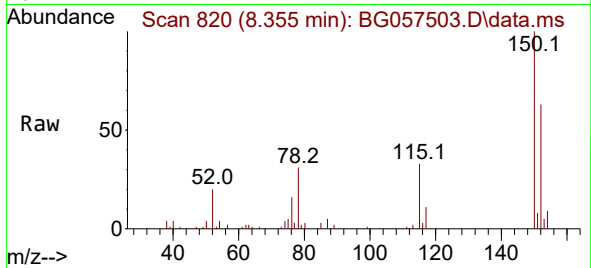




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

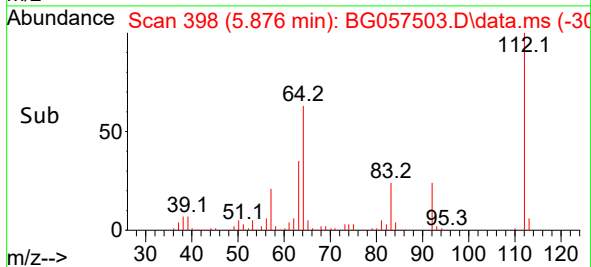
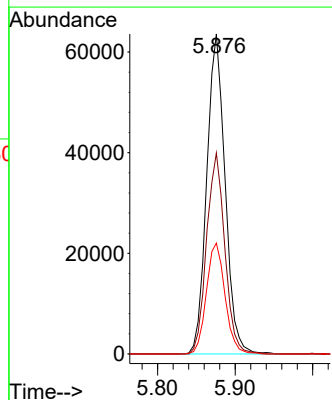
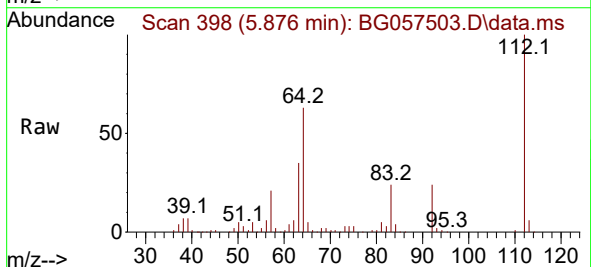
Instrument :
BNA_G
ClientSampleId :
TP-2

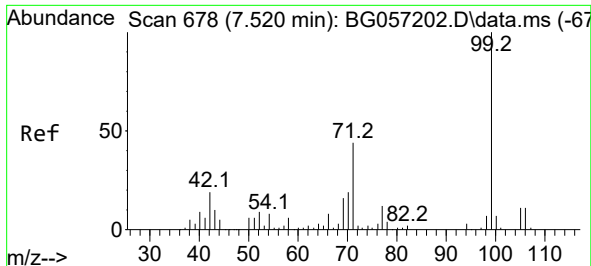
Tgt Ion:152 Resp: 20366
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.4
115 53.1 45.0 67.4



#5
2-Fluorophenol
Concen: 87.768 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

Tgt Ion:112 Resp: 104494
Ion Ratio Lower Upper
112 100
64 62.8 49.4 74.2
63 34.7 31.6 47.4

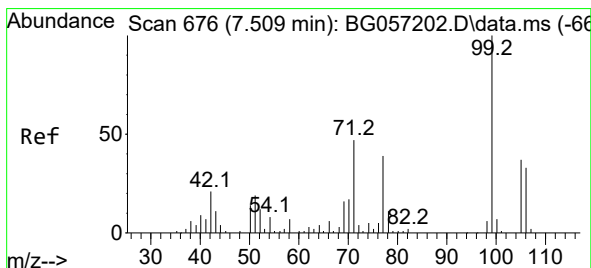
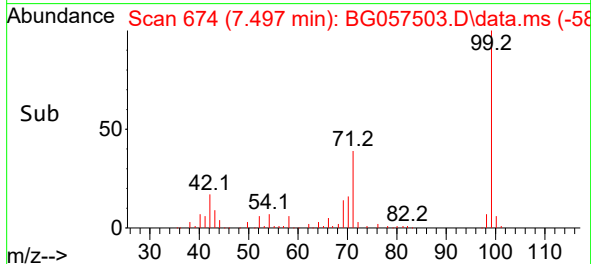
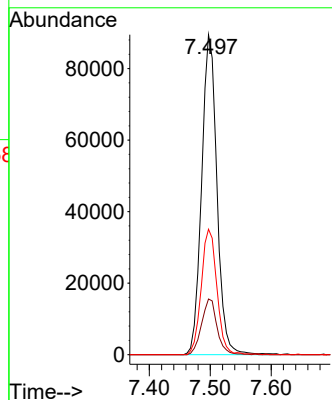
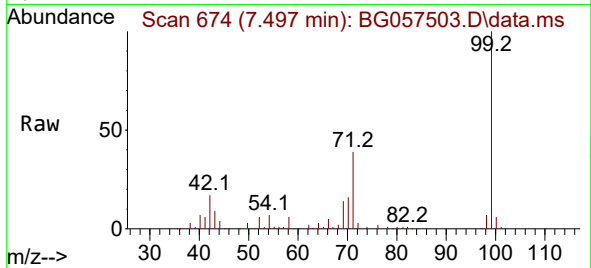




#7
Phenol-d6
Concen: 86.280 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

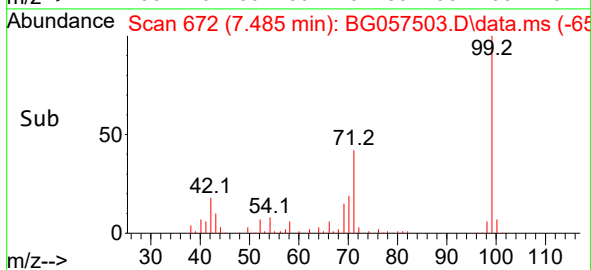
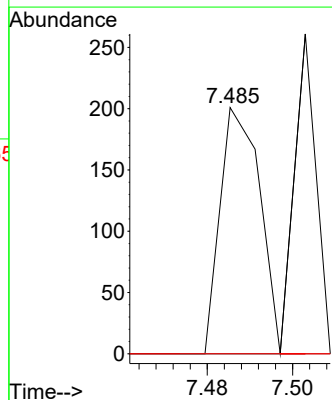
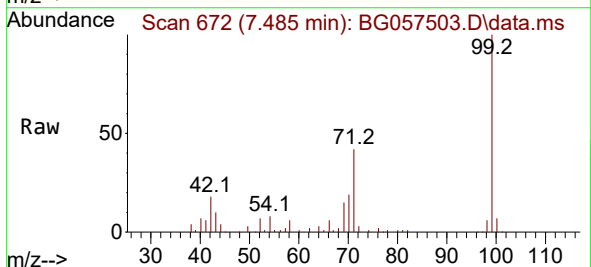
Instrument :
BNA_G
ClientSampleId :
TP-2

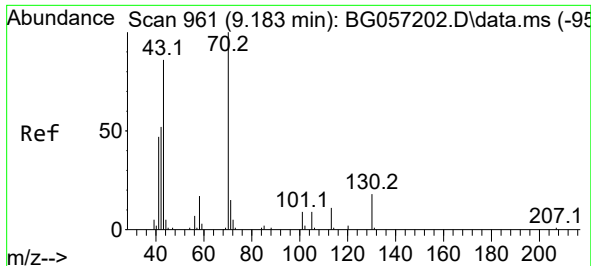
Tgt Ion: 99 Resp: 155987
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 39.2 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.485 min Scan# 672
Delta R.T. -0.001 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

Tgt Ion: 77 Resp: 130
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

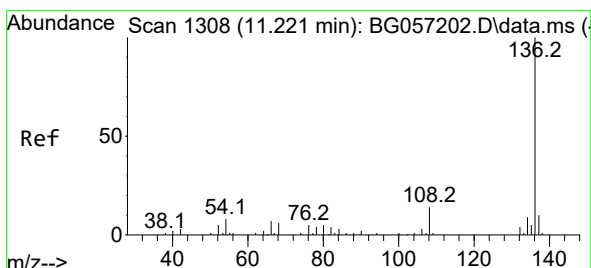
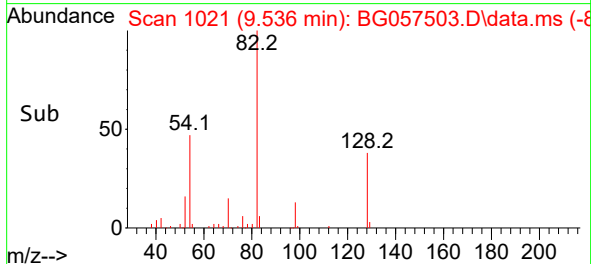
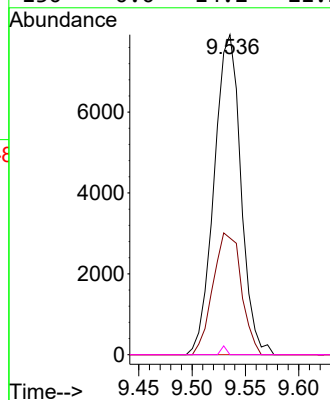
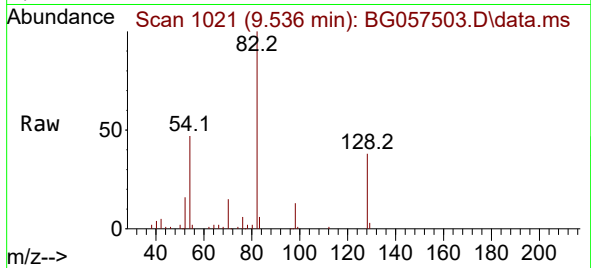




#19
n-Nitroso-di-n-propylamine
Concen: 10.001 ng
RT: 9.536 min Scan# 1021
Delta R.T. 0.375 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

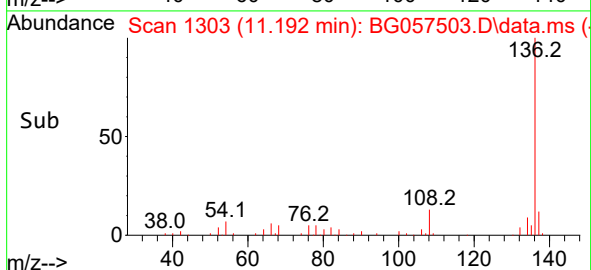
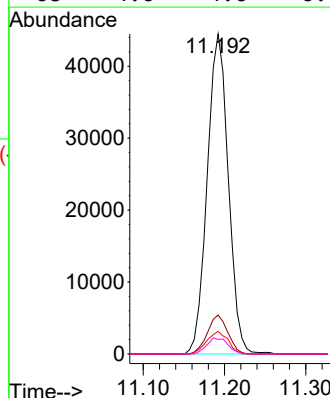
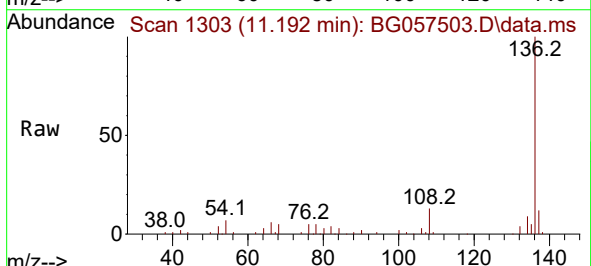
Instrument :
BNA_G
ClientSampleId :
TP-2

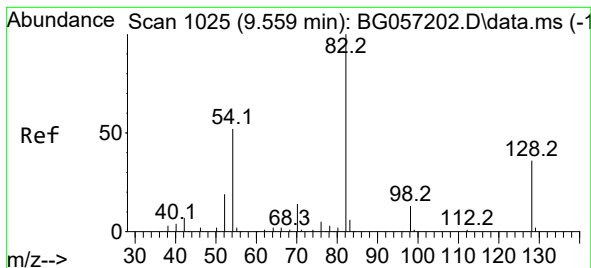
Tgt Ion:	70	Resp:	13787
Ion	Ratio	Lower	Upper
70	100		
42	36.5	41.8	62.8#
101	0.0	6.8	10.2#
130	0.0	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

Tgt Ion:	136	Resp:	80068
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.3	12.5
54	7.0	6.7	10.1
68	4.6	4.6	6.8





#23

Nitrobenzene-d5

Concen: 51.385 ng

RT: 9.530 min Scan# 1025

Delta R.T. -0.007 min

Lab File: BG057503.D

Acq: 22 May 2023 21:25

Instrument :

BNA_G

ClientSampleId :

TP-2

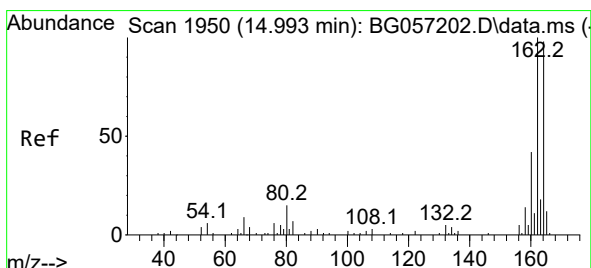
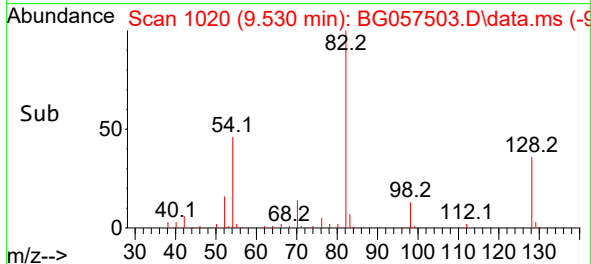
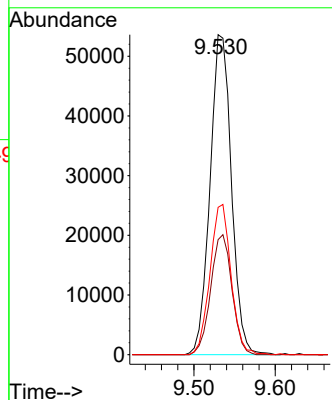
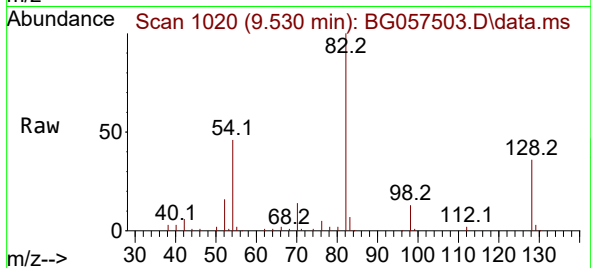
Tgt Ion: 82 Resp: 98027

Ion Ratio Lower Upper

82 100

128 36.0 29.0 43.4

54 46.0 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.007 min

Lab File: BG057503.D

Acq: 22 May 2023 21:25

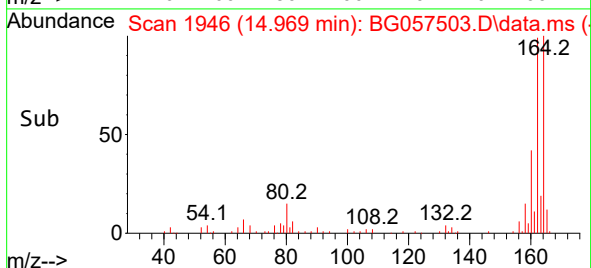
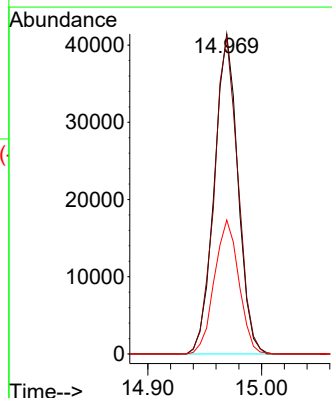
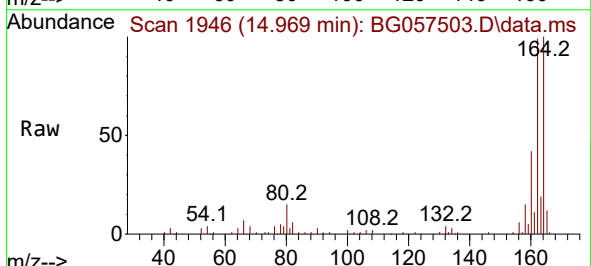
Tgt Ion:164 Resp: 59724

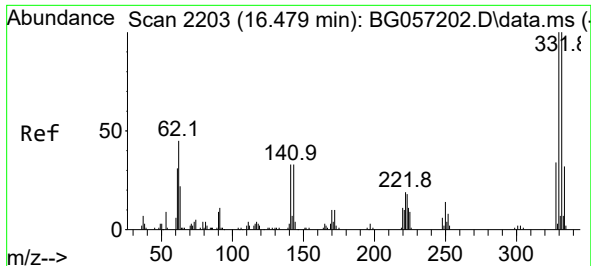
Ion Ratio Lower Upper

164 100

162 99.2 81.8 122.6

160 41.8 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 92.063 ng

RT: 16.450 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG057503.D

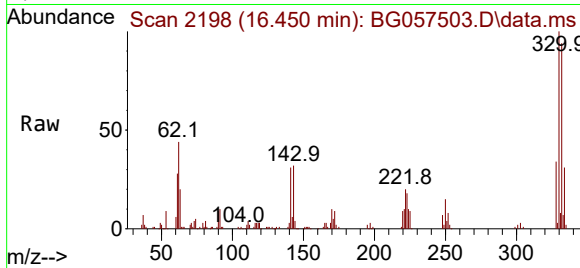
Acq: 22 May 2023 21:25

Instrument :

BNA_G

ClientSampleId :

TP-2



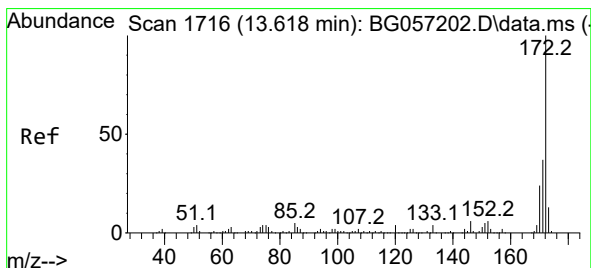
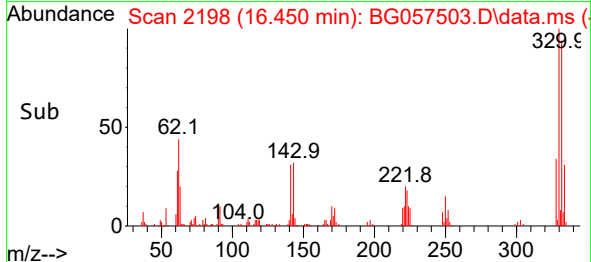
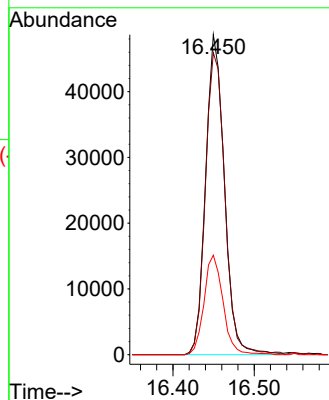
Tgt Ion:330 Resp: 78016

Ion Ratio Lower Upper

330 100

332 97.9 78.2 117.2

141 31.4 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 56.871 ng

RT: 13.595 min Scan# 1712

Delta R.T. -0.007 min

Lab File: BG057503.D

Acq: 22 May 2023 21:25

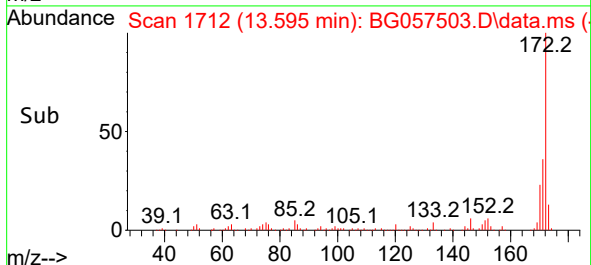
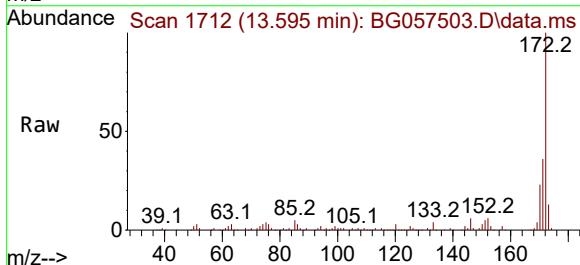
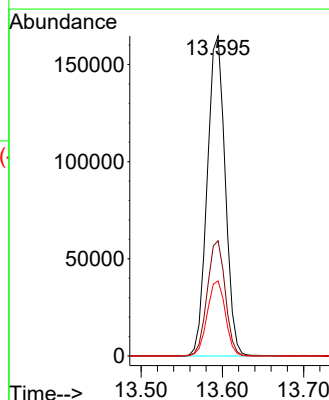
Tgt Ion:172 Resp: 252195

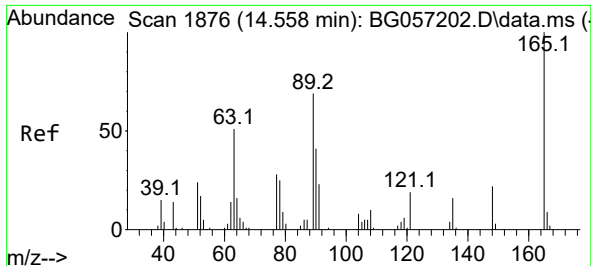
Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.509 ng

RT: 14.969 min Scan# 1946

Delta R.T. 0.428 min

Lab File: BG057503.D

Acq: 22 May 2023 21:25

Instrument :

BNA_G

ClientSampleId :

TP-2

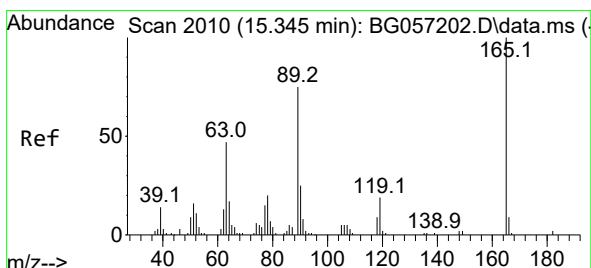
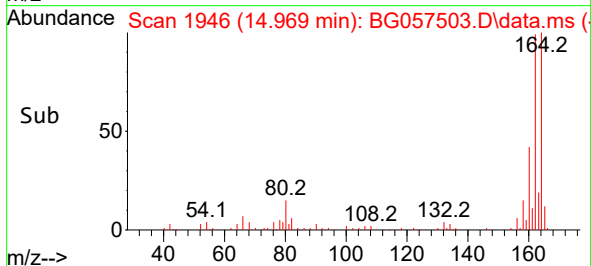
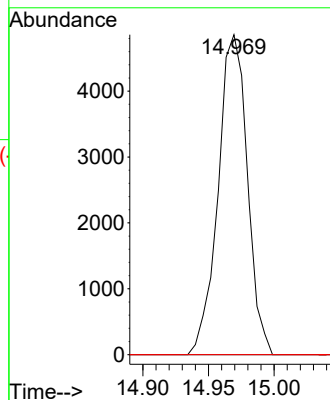
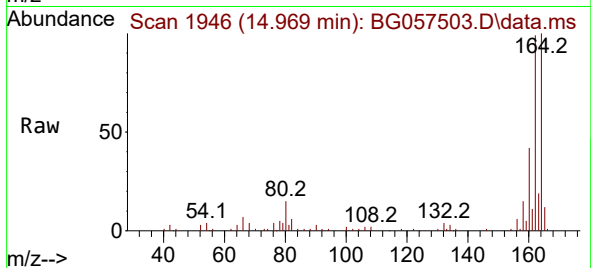
Tgt Ion:165 Resp: 7524

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: 5.254 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.359 min

Lab File: BG057503.D

Acq: 22 May 2023 21:25

Tgt Ion:165 Resp: 7524

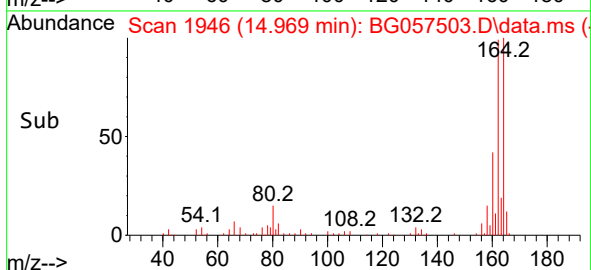
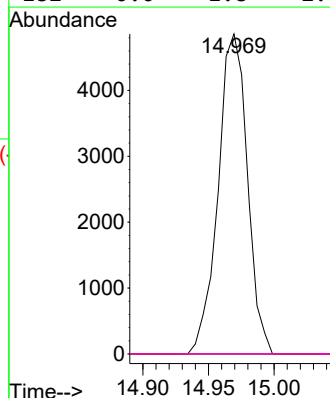
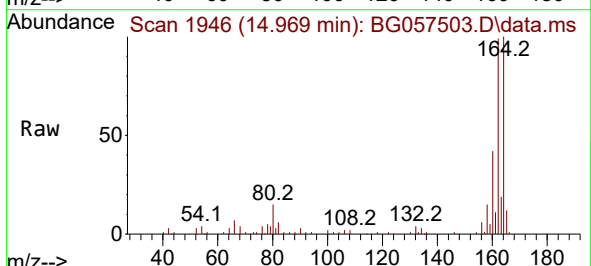
Ion Ratio Lower Upper

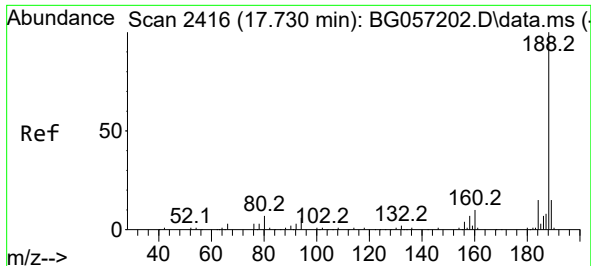
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

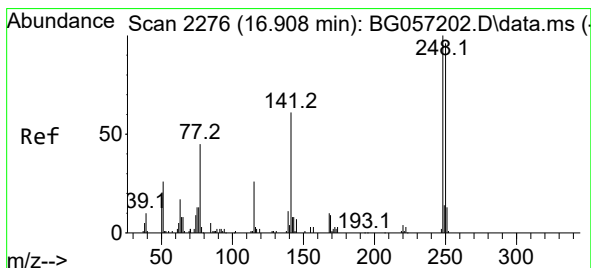
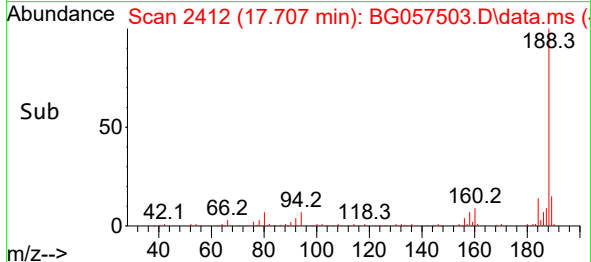
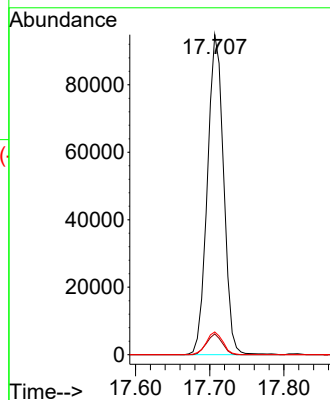
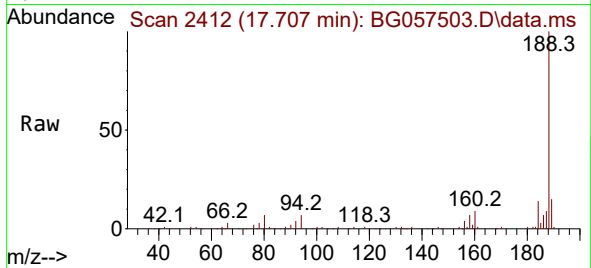




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

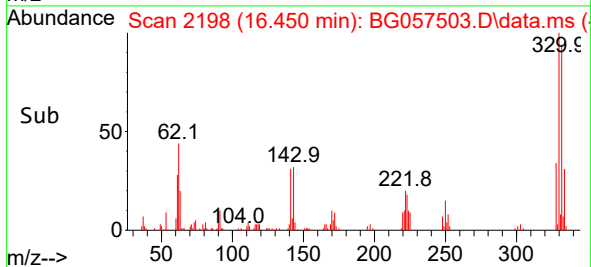
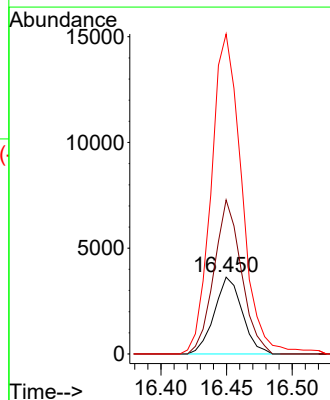
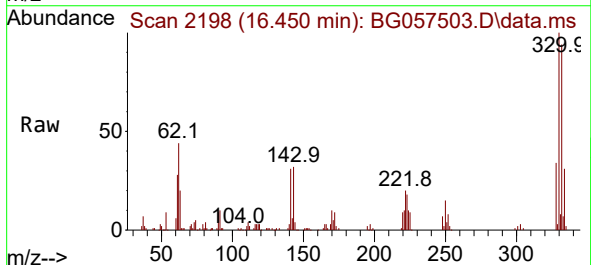
Instrument :
BNA_G
ClientSampleId :
TP-2

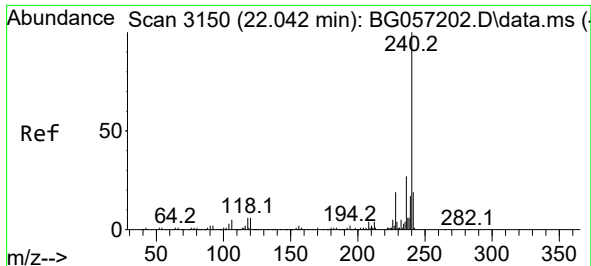
Tgt Ion:188 Resp: 144196
Ion Ratio Lower Upper
188 100
94 6.5 5.1 7.7
80 7.1 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 3.054 ng
RT: 16.450 min Scan# 2198
Delta R.T. -0.436 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

Tgt Ion:248 Resp: 5376
Ion Ratio Lower Upper
248 100
250 200.4 77.0 115.6#
141 416.3 48.6 72.8#

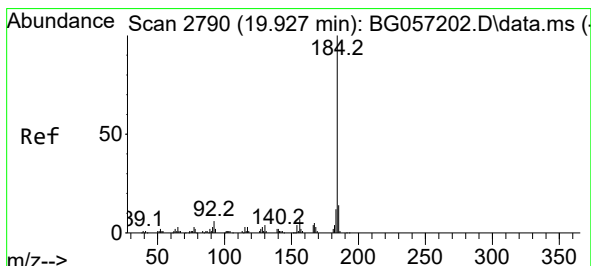
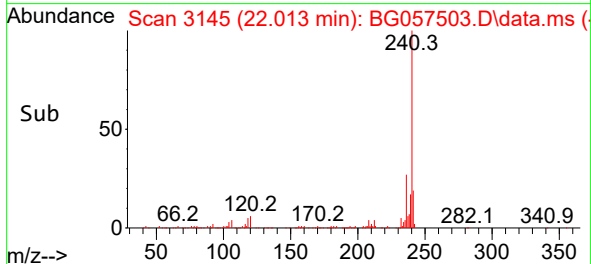
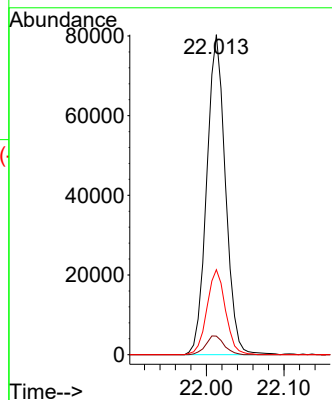
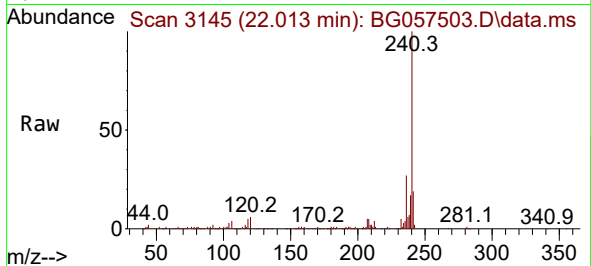




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

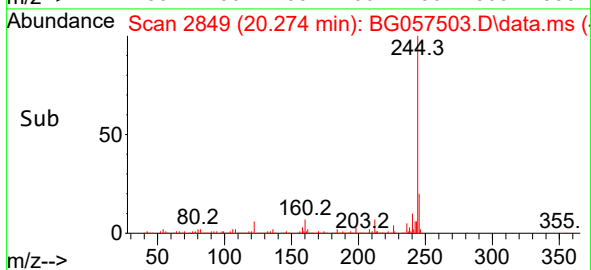
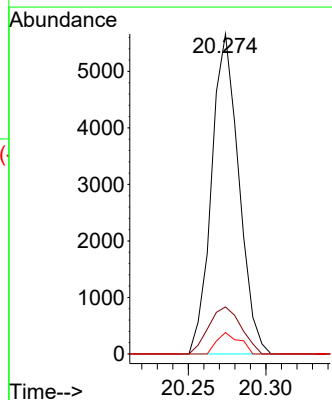
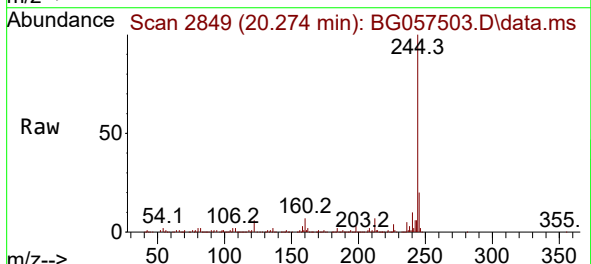
Instrument :
BNA_G
ClientSampleId :
TP-2

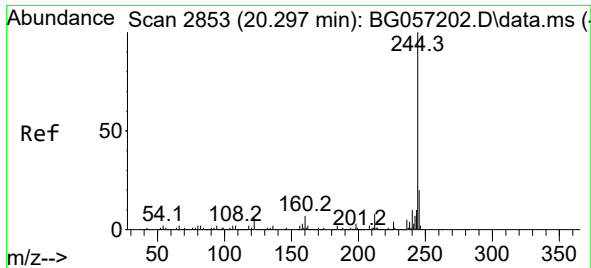
Tgt Ion:240 Resp: 134351
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 26.6 21.4 32.2



#77
Benzidine
Concen: 2.302 ng
RT: 20.274 min Scan# 2849
Delta R.T. 0.363 min
Lab File: BG057503.D
Acq: 22 May 2023 21:25

Tgt Ion:184 Resp: 6915
Ion Ratio Lower Upper
184 100
185 14.7 11.1 16.7
183 6.7 9.9 14.9#

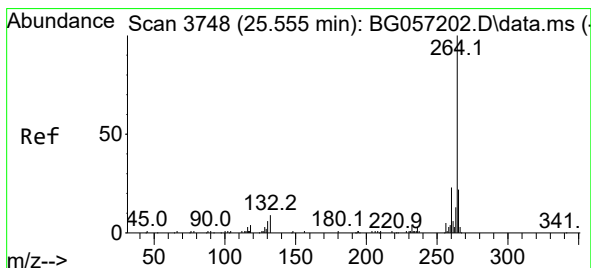
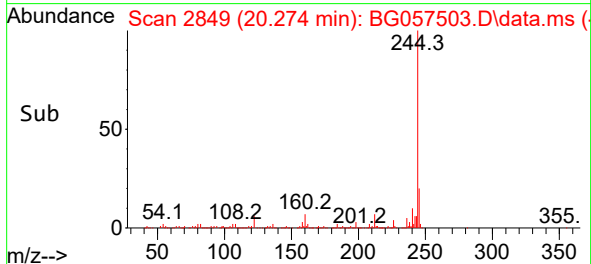
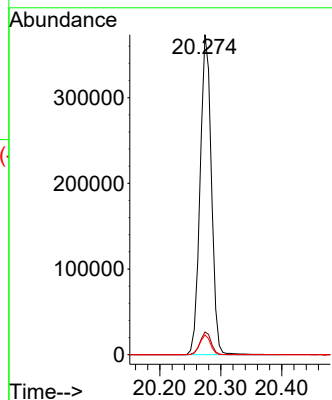
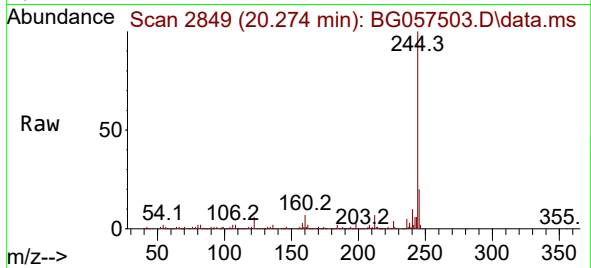




#79
 Terphenyl-d14
 Concen: 58.386 ng
 RT: 20.274 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057503.D
 Acq: 22 May 2023 21:25

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Tgt Ion:244 Resp: 480678
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.2 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.508 min Scan# 3740
 Delta R.T. -0.007 min
 Lab File: BG057503.D
 Acq: 22 May 2023 21:25

Tgt Ion:264 Resp: 141822
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.8 28.2
 265 21.8 17.9 26.9

