

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057562.D
 Acq On : 25 May 2023 17:49
 Operator : CG/JU
 Sample : 02913-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-70A

Quant Time: May 26 03:00:02 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)

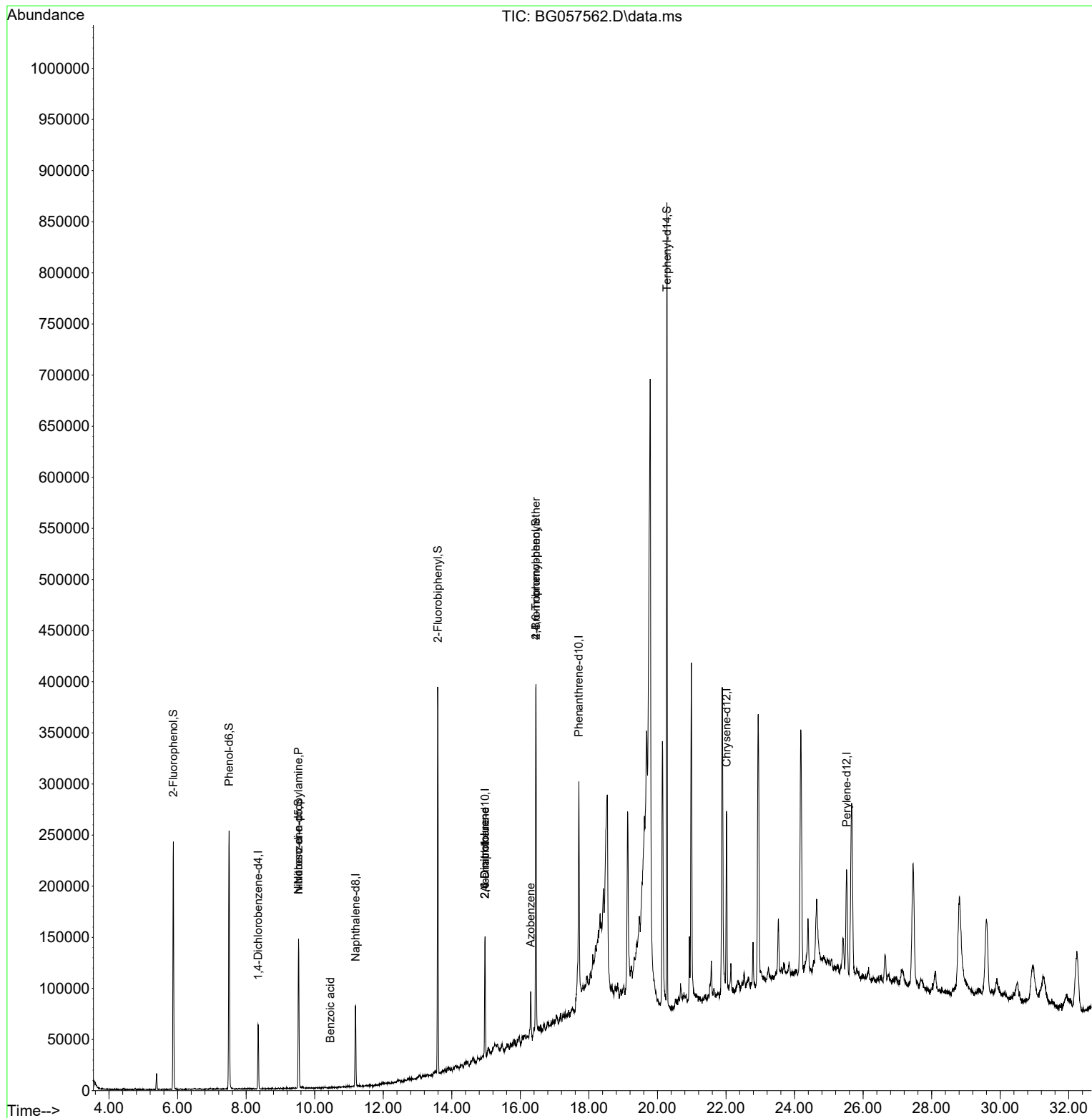
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.350	152	18265	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	67773	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	44170	20.000	ng	0.00
64) Phenanthrene-d10	17.708	188	108005	20.000	ng	0.00
76) Chrysene-d12	22.013	240	111916	20.000	ng	0.00
86) Perylene-d12	25.520	264	123376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	108025	101.171	ng	0.00
7) Phenol-d6	7.504	99	153579	94.719	ng	0.00
23) Nitrobenzene-d5	9.530	82	93859	58.125	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	72531	115.730	ng	0.00
45) 2-Fluorobiphenyl	13.590	172	201335	61.390	ng	0.00
79) Terphenyl-d14	20.275	244	398790	58.150	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.504	77	529	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.530	70	13274	10.736	ng	# 82
32) Benzoic acid	10.459	122	53	4.793	ng	# 1
51) 2,6-Dinitrotoluene	14.964	165	5840	7.880	ng	# 17
57) 2,4-Dinitrotoluene	14.964	165	5840	5.514	ng	# 20
63) Azobenzene	16.304	77	13256	3.727	ng	# 1
67) 4-Bromophenyl-phenylether	16.456	248	4742	3.597	ng	# 1

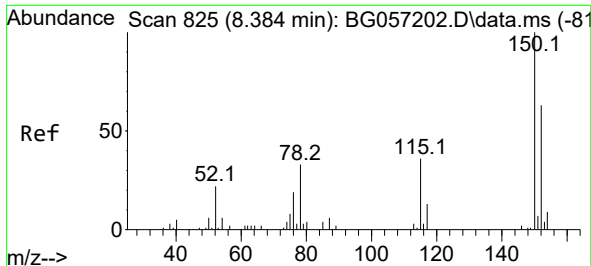
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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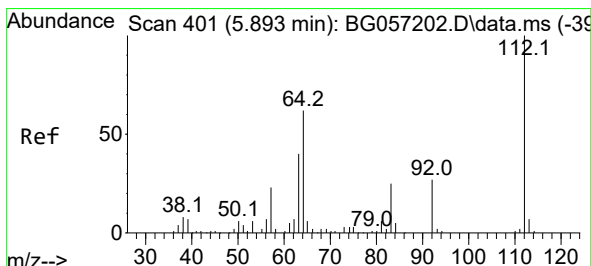
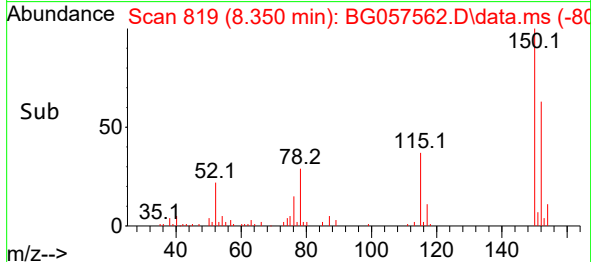
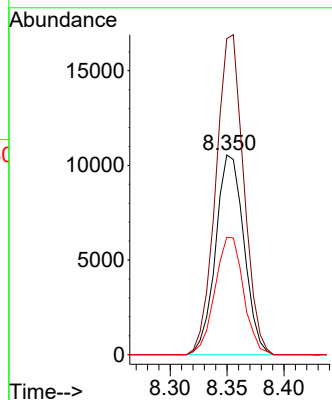
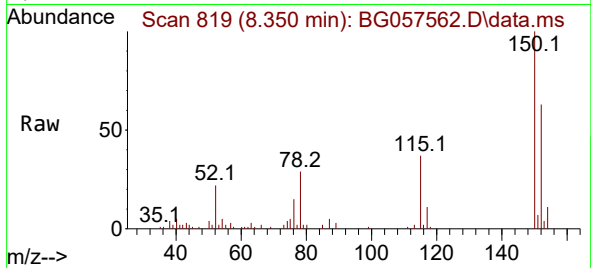




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.350 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

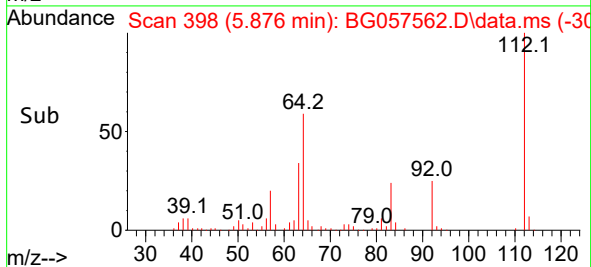
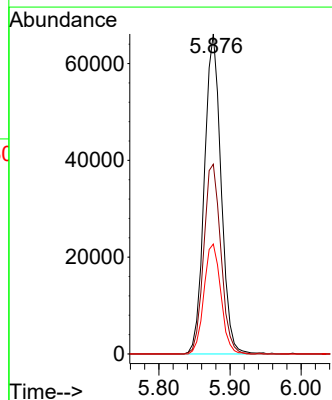
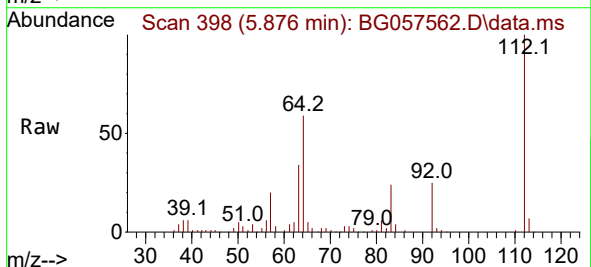
Instrument :
BNA_G
ClientSampleId :
TP-70A

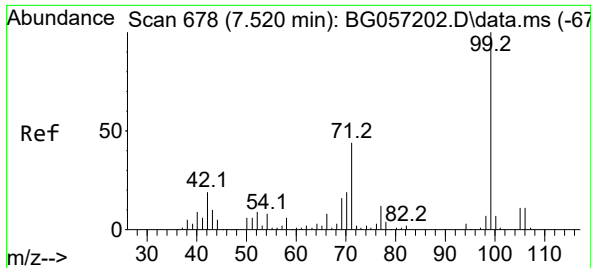
Tgt Ion:152 Resp: 18265
Ion Ratio Lower Upper
152 100
150 158.3 126.2 189.4
115 58.8 45.0 67.4



#5
2-Fluorophenol
Concen: 101.171 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

Tgt Ion:112 Resp: 108025
Ion Ratio Lower Upper
112 100
64 59.3 49.4 74.2
63 34.3 31.6 47.4

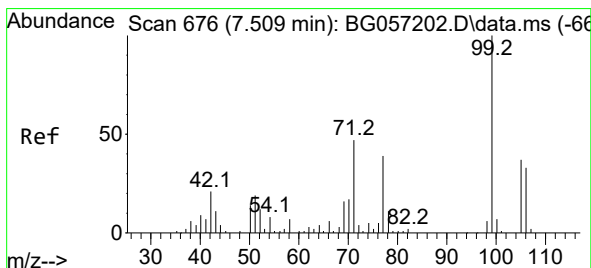
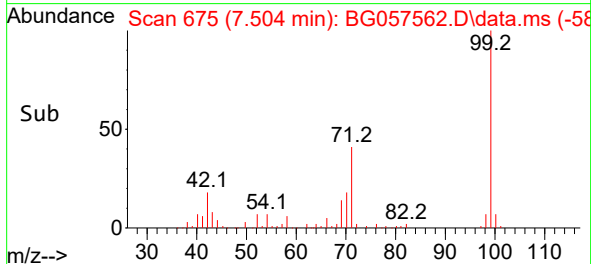
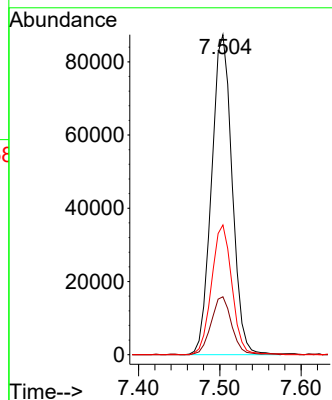
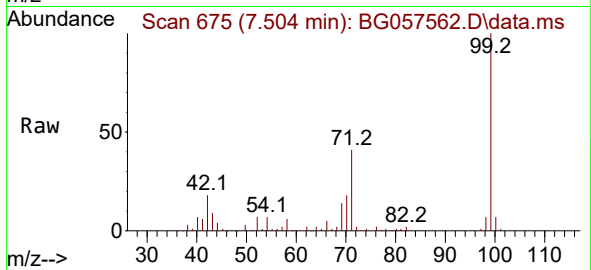




#7
Phenol-d6
Concen: 94.719 ng
RT: 7.504 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

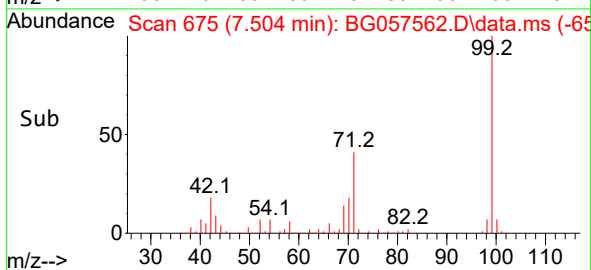
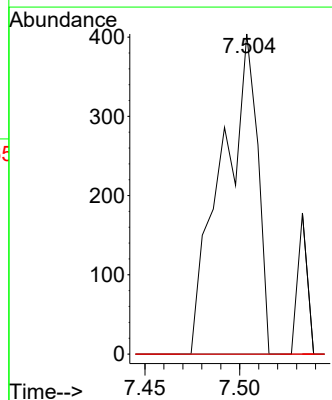
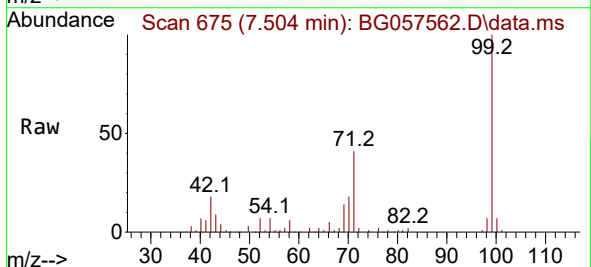
Instrument :
BNA_G
ClientSampleId :
TP-70A

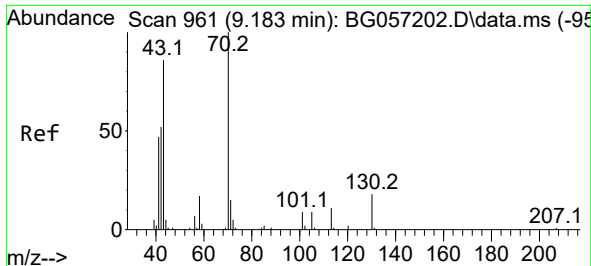
Tgt Ion: 99 Resp: 153579
Ion Ratio Lower Upper
99 100
42 18.1 15.1 22.7
71 40.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.504 min Scan# 675
Delta R.T. 0.022 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

Tgt Ion: 77 Resp: 529
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: 10.736 ng

RT: 9.530 min Scan# 1020

Delta R.T. 0.374 min

Lab File: BG057562.D

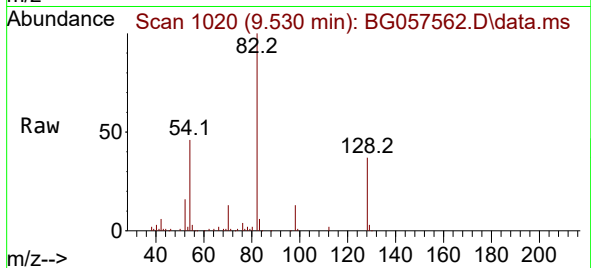
Acq: 25 May 2023 17:49

Instrument :

BNA_G

ClientSampleId :

TP-70A



Tgt Ion: 70 Resp: 13274

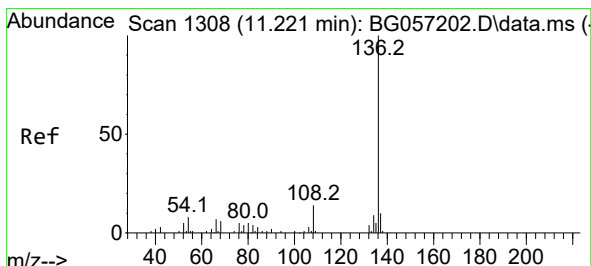
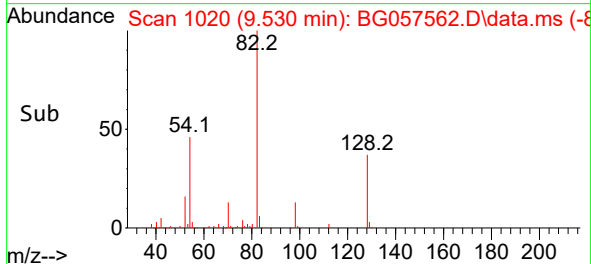
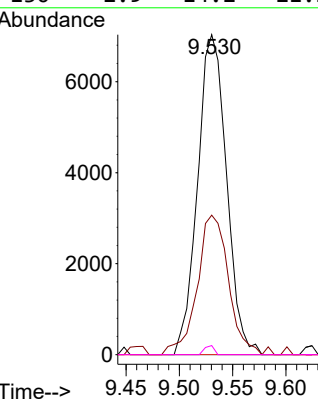
Ion Ratio Lower Upper

70 100

42 43.6 41.8 62.8

101 0.0 6.8 10.2#

130 2.9 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.193 min Scan# 1303

Delta R.T. -0.002 min

Lab File: BG057562.D

Acq: 25 May 2023 17:49

Tgt Ion: 136 Resp: 67773

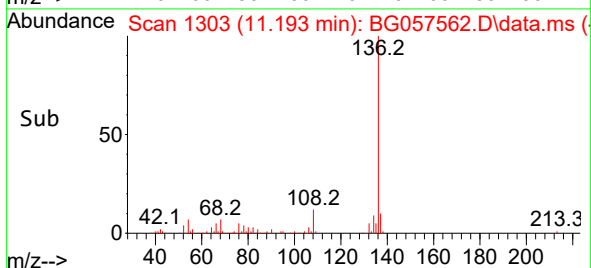
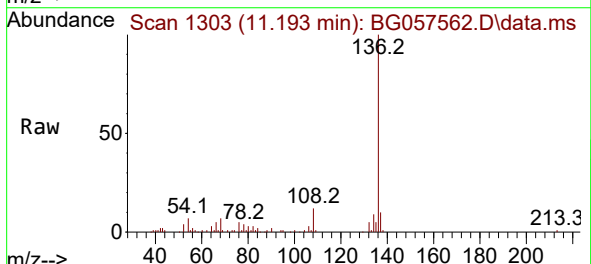
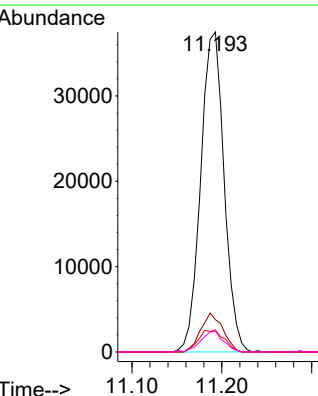
Ion Ratio Lower Upper

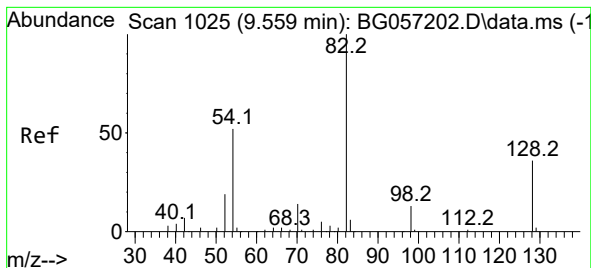
136 100

137 10.1 8.3 12.5

54 6.9 6.7 10.1

68 6.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 58.125 ng

RT: 9.530 min Scan# 1025

Delta R.T. -0.008 min

Lab File: BG057562.D

Acq: 25 May 2023 17:49

Instrument :

BNA_G

ClientSampleId :

TP-70A

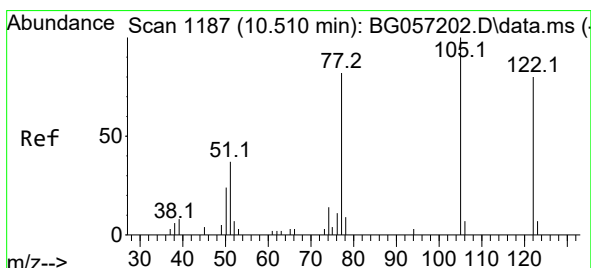
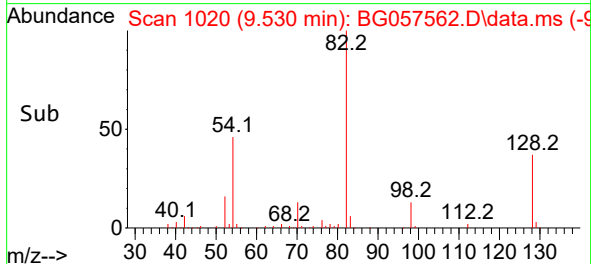
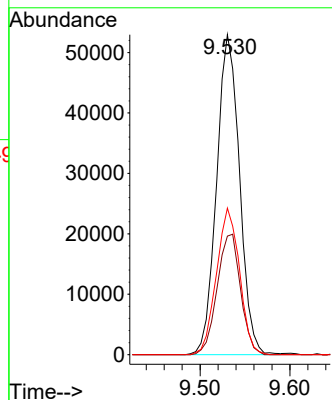
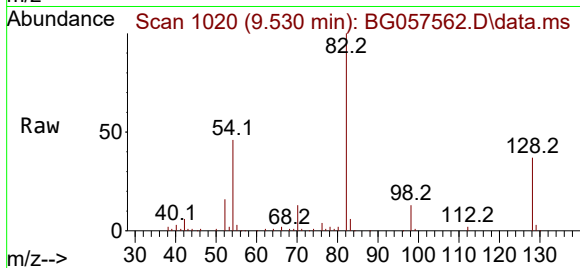
Tgt Ion: 82 Resp: 93859

Ion Ratio Lower Upper

82 100

128 37.0 29.0 43.4

54 45.8 41.4 62.0



#32

Benzoic acid

Concen: 4.793 ng

RT: 10.459 min Scan# 1178

Delta R.T. -0.037 min

Lab File: BG057562.D

Acq: 25 May 2023 17:49

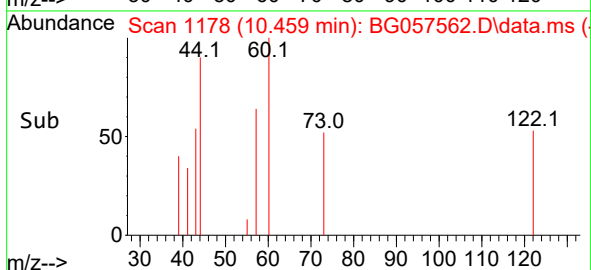
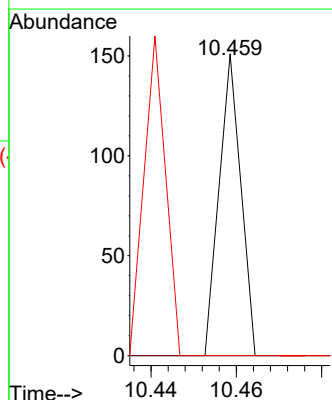
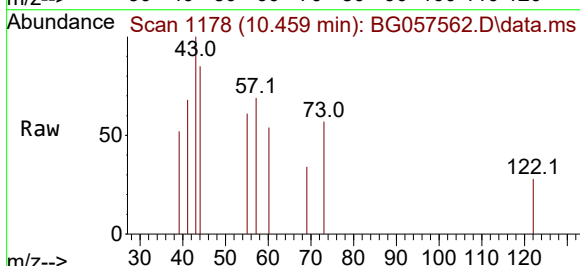
Tgt Ion: 122 Resp: 53

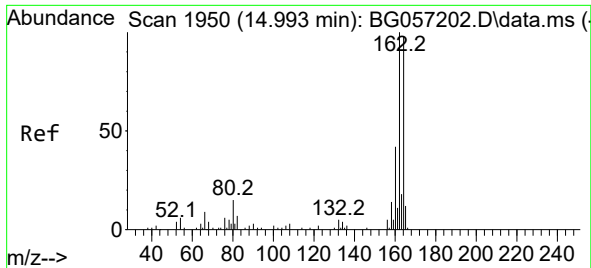
Ion Ratio Lower Upper

122 100

105 0.0 105.2 145.2#

77 0.0 83.1 123.1#

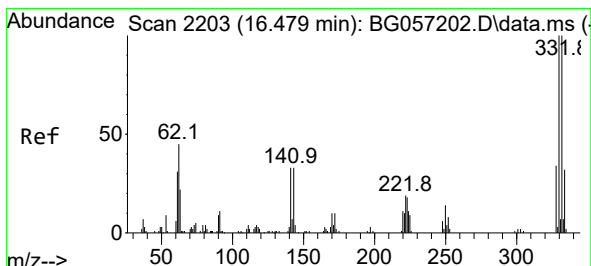
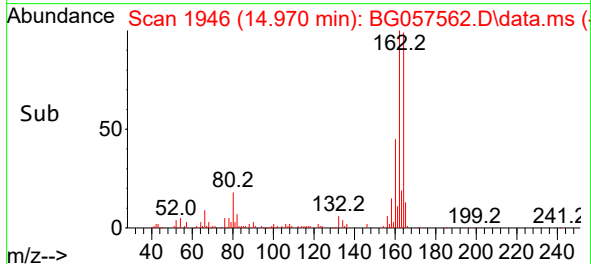
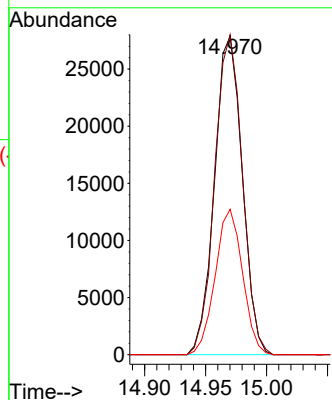
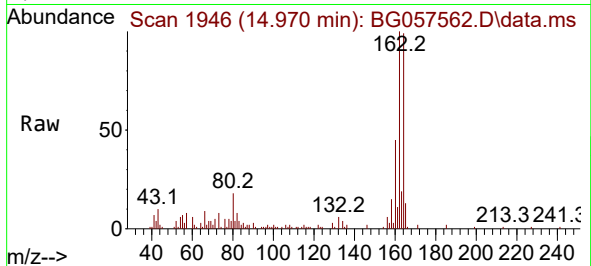




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.002 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

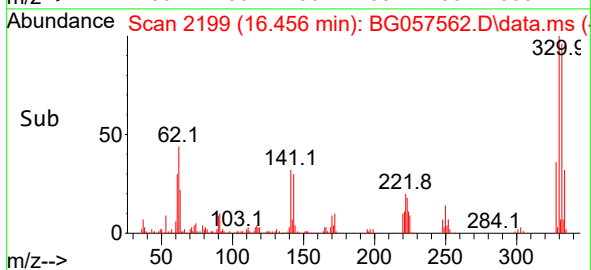
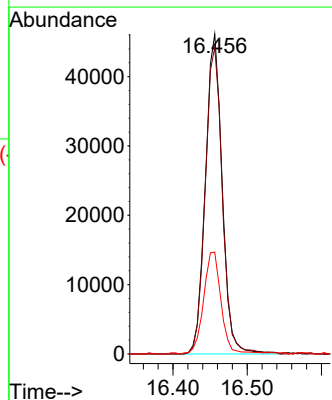
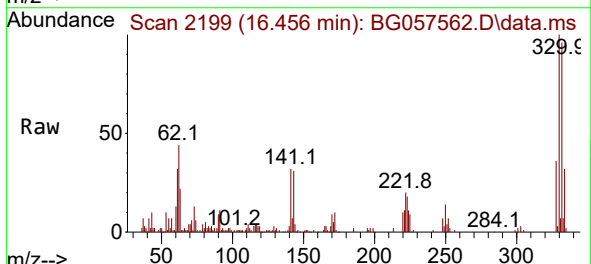
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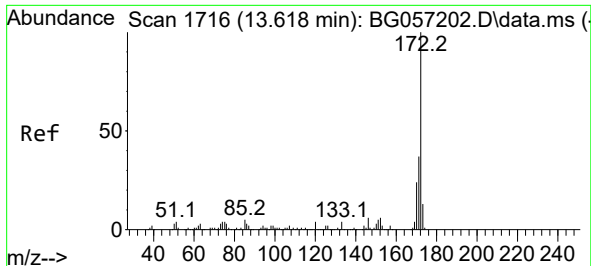
Tgt Ion:164 Resp: 44170
Ion Ratio Lower Upper
164 100
162 100.5 81.8 122.6
160 45.7 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 115.730 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.002 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

Tgt Ion:330 Resp: 72531
Ion Ratio Lower Upper
330 100
332 97.3 78.2 117.2
141 33.3 27.8 41.8

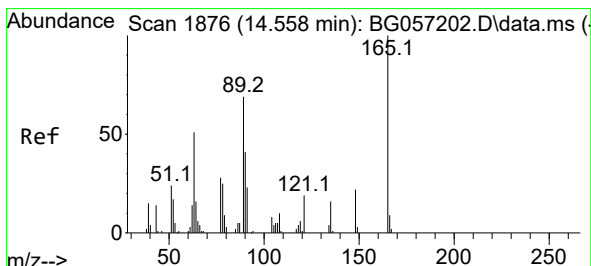
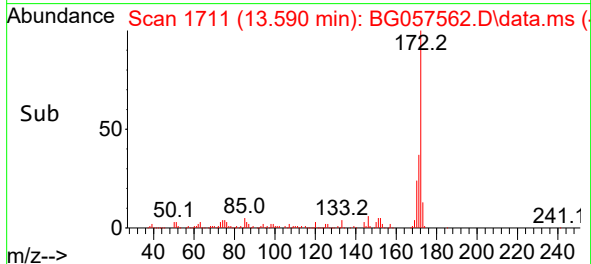
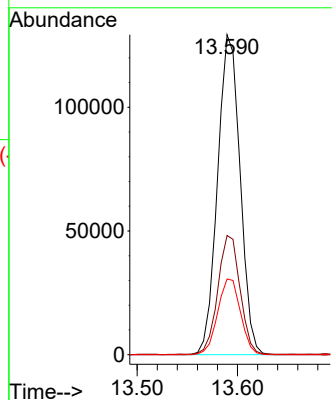
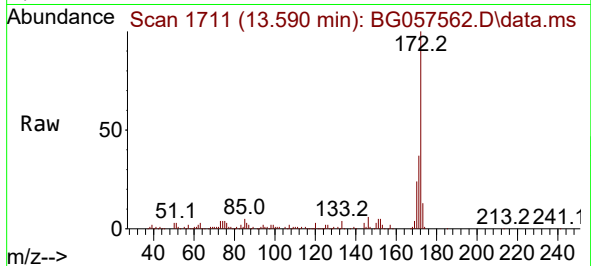




#45
2-Fluorobiphenyl
Concen: 61.390 ng
RT: 13.590 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

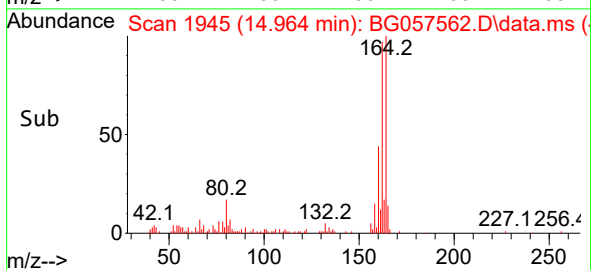
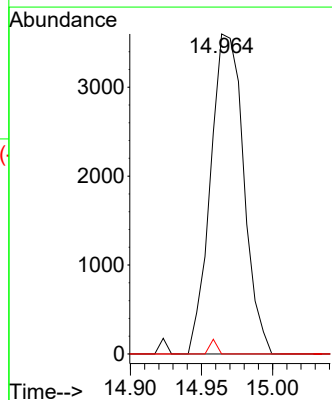
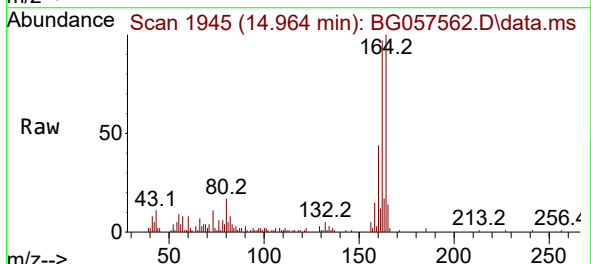
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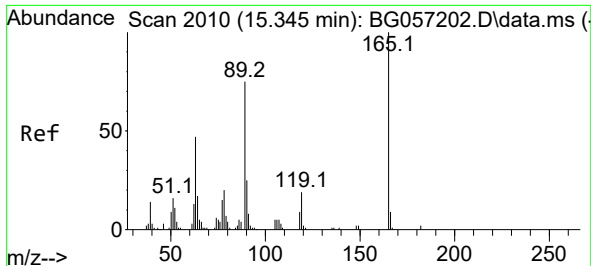
Tgt Ion:172 Resp: 201335
Ion Ratio Lower Upper
172 100
171 37.3 29.4 44.0
170 23.7 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 7.880 ng
RT: 14.964 min Scan# 1945
Delta R.T. 0.421 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

Tgt Ion:165 Resp: 5840
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: 5.514 ng

RT: 14.964 min Scan# 14

Delta R.T. -0.366 min

Lab File: BG057562.D

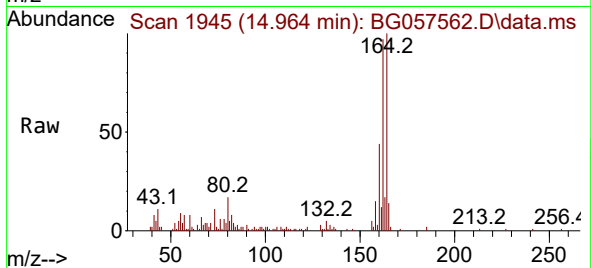
Acq: 25 May 2023 17:49

Instrument :

BNA_G

ClientSampleId :

TP-70A



Tgt Ion:165 Resp: 5840

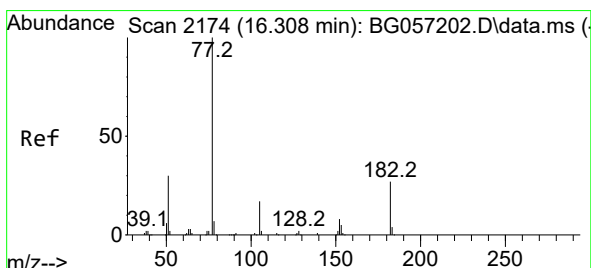
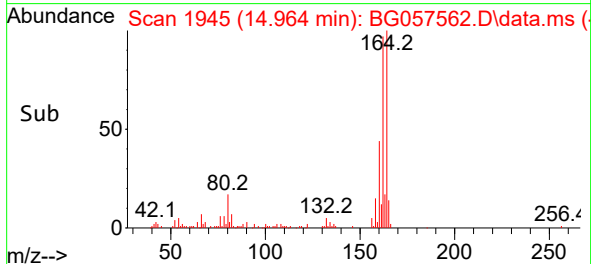
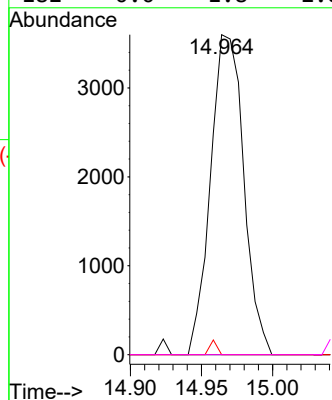
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 3.727 ng

RT: 16.304 min Scan# 2173

Delta R.T. 0.022 min

Lab File: BG057562.D

Acq: 25 May 2023 17:49

Tgt Ion: 77 Resp: 13256

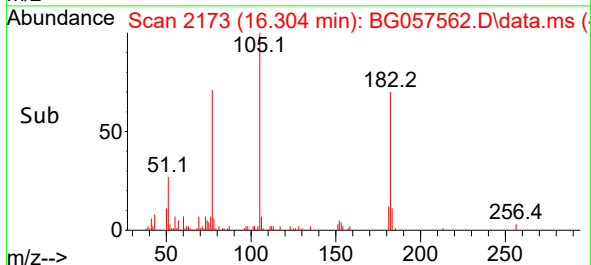
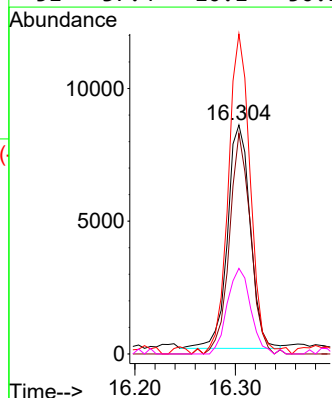
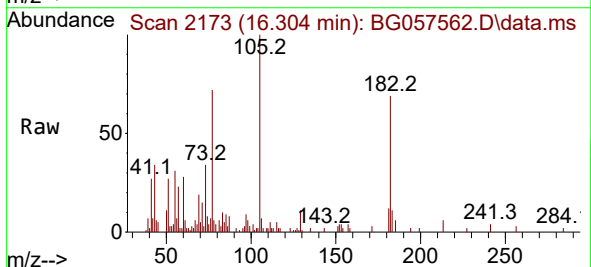
Ion Ratio Lower Upper

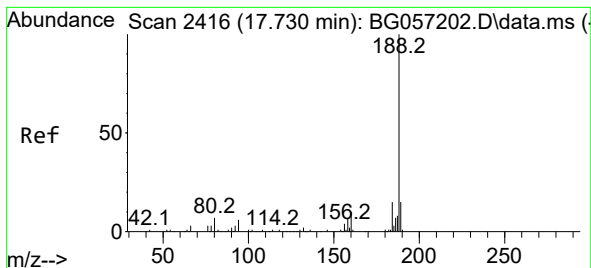
77 100

182 96.4 7.4 47.4#

105 139.7 0.0 37.2#

51 37.4 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.708 min Scan# 2416

Delta R.T. -0.002 min

Lab File: BG057562.D

Acq: 25 May 2023 17:49

Instrument :

BNA_G

ClientSampleId :

TP-70A

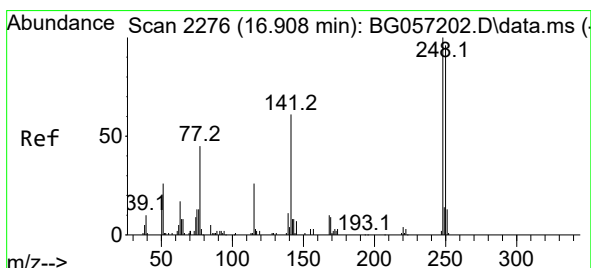
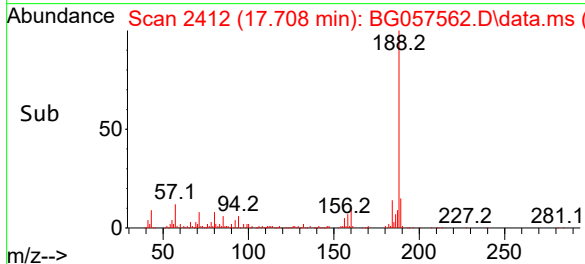
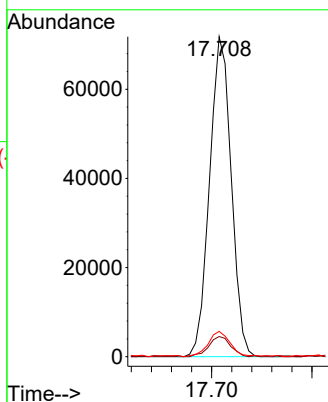
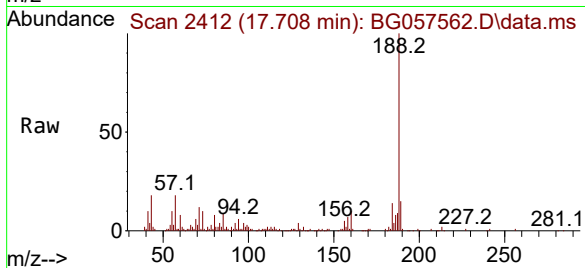
Tgt Ion:188 Resp: 108005

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

80 7.9 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 3.597 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.431 min

Lab File: BG057562.D

Acq: 25 May 2023 17:49

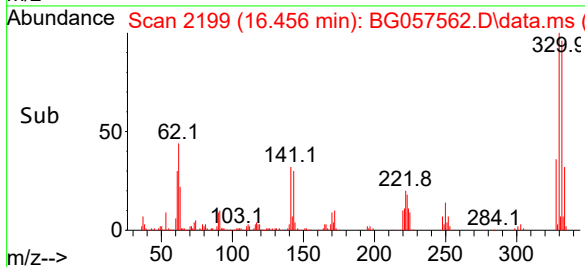
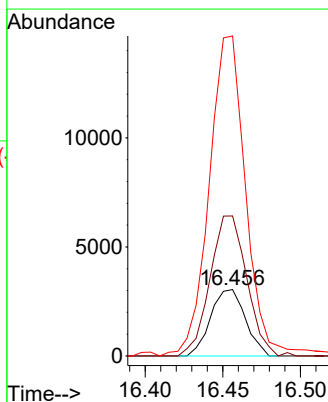
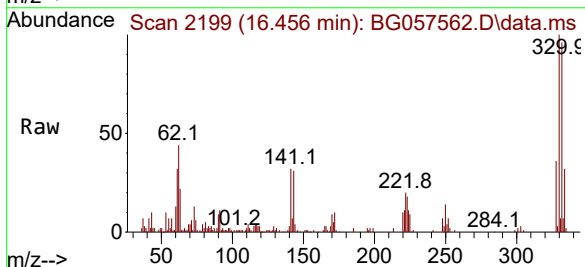
Tgt Ion:248 Resp: 4742

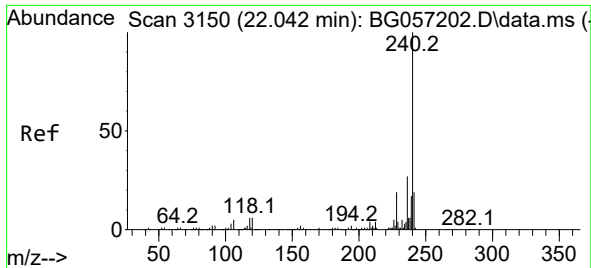
Ion Ratio Lower Upper

248 100

250 210.7 77.0 115.6#

141 481.4 48.6 72.8#

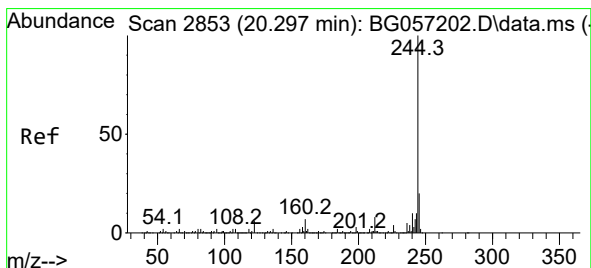
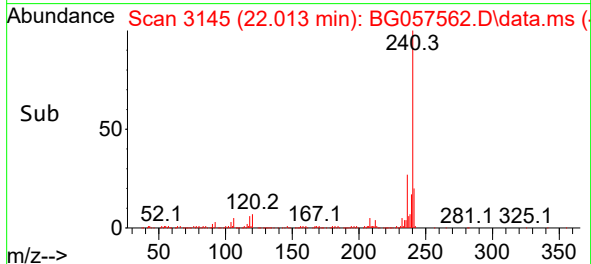
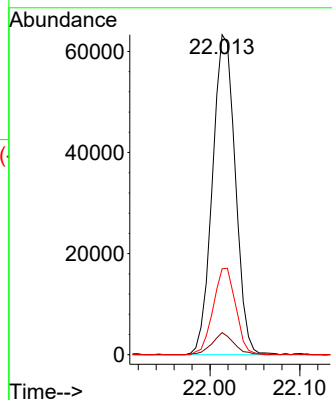
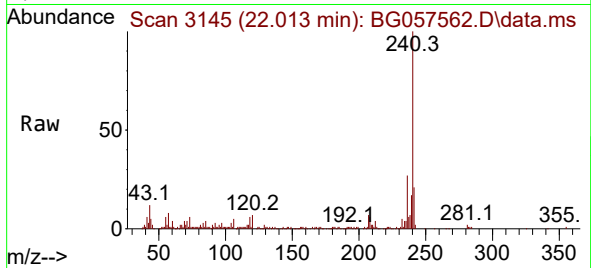




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3150
Delta R.T. -0.008 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

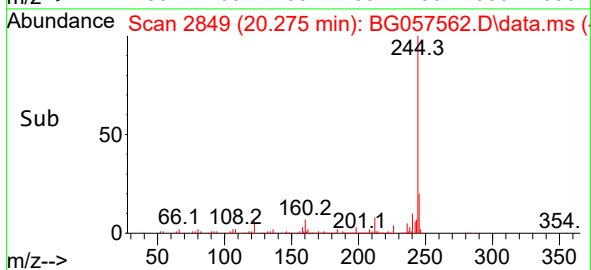
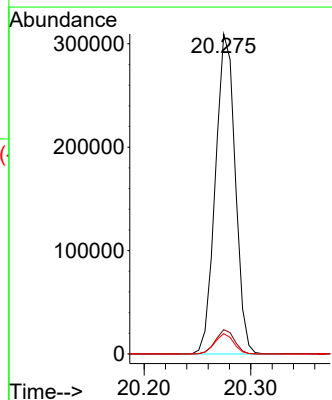
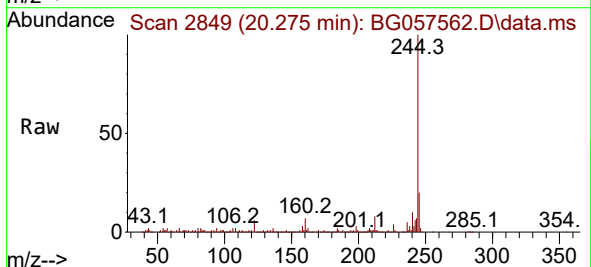
Instrument :
BNA_G
ClientSampleId :
TP-70A

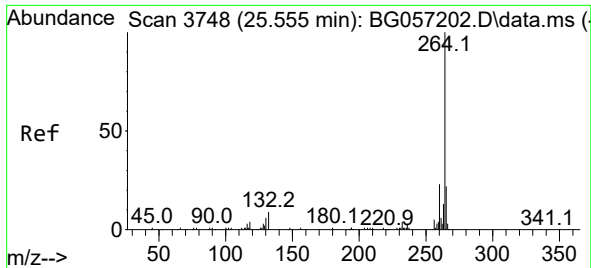
Tgt Ion:240 Resp: 111916
Ion Ratio Lower Upper
240 100
120 6.9 4.9 7.3
236 26.9 21.4 32.2



#79
Terphenyl-d14
Concen: 58.150 ng
RT: 20.275 min Scan# 2849
Delta R.T. -0.002 min
Lab File: BG057562.D
Acq: 25 May 2023 17:49

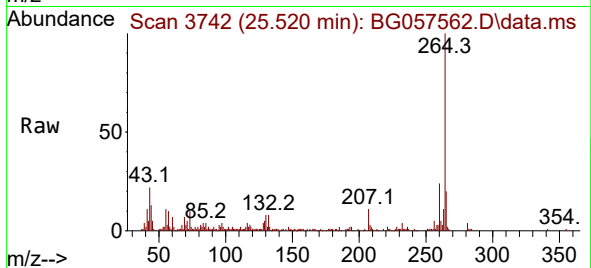
Tgt Ion:244 Resp: 398790
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 6.4 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.520 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: BG057562.D
 Acq: 25 May 2023 17:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-70A



Tgt Ion:264	Resp:	123376
Ion	Ratio	Lower Upper
264	100	
260	23.9	18.8 28.2
265	19.5	17.9 26.9

