

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051223\
 Data File : BG057424.D
 Acq On : 13 May 2023 2:37
 Operator : CG/JU
 Sample : PB152709BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152709BL

Quant Time: May 13 03:47:24 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 12 22:04:03 2023
 Response via : Initial Calibration

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

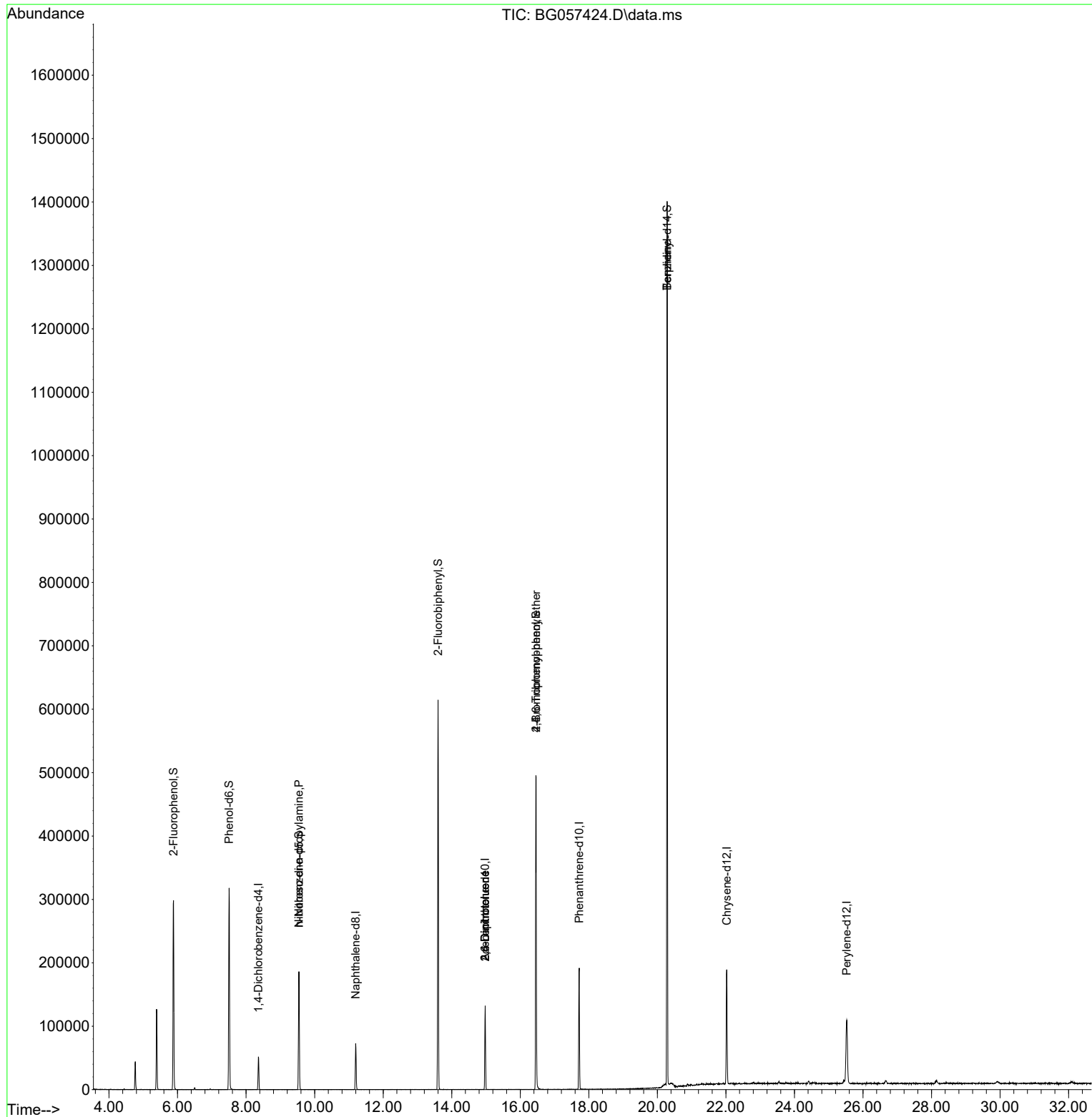
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	15182	20.000	ng	0.00
21) Naphthalene-d8	11.199	136	61236	20.000	ng	0.00
39) Acenaphthene-d10	14.976	164	49633	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	132641	20.000	ng	0.00
76) Chrysene-d12	22.025	240	125535	20.000	ng	0.00
86) Perylene-d12	25.526	264	133280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.882	112	129695	146.132	ng	0.00
7) Phenol-d6	7.504	99	189329	140.480	ng	0.00
23) Nitrobenzene-d5	9.542	82	120693	82.722	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	108014	153.377	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	323158	87.689	ng	0.00
79) Terphenyl-d14	20.286	244	699977	90.995	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.510	77	322	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.542	70	17322	16.856	ng	# 80
51) 2,6-Dinitrotoluene	14.976	165	6441	7.735	ng	# 17
57) 2,4-Dinitrotoluene	14.976	165	6441	5.412	ng	# 20
67) 4-Bromophenyl-phenylether	16.462	248	7062	4.361	ng	# 1
77) Benzidine	20.286	184	10444	3.721	ng	# 87

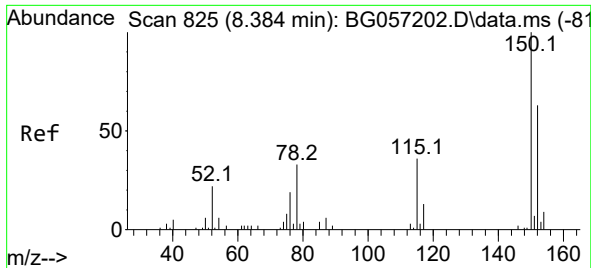
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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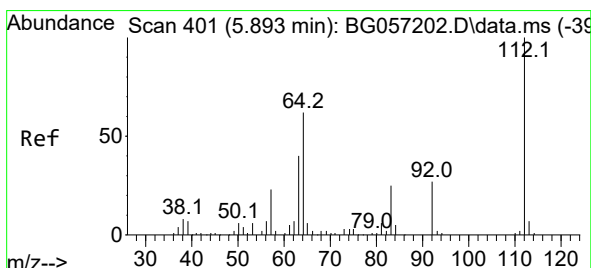
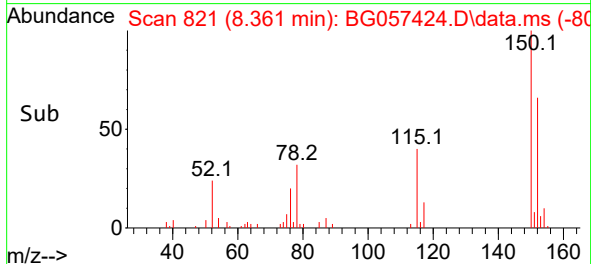
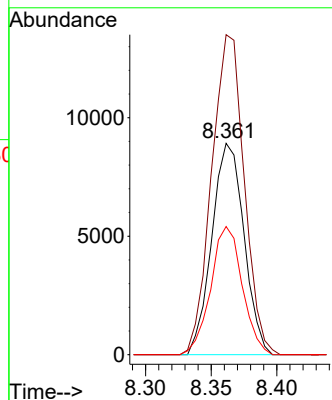
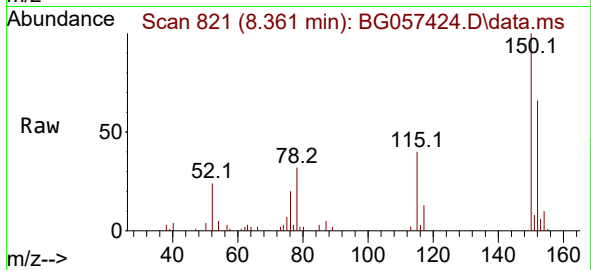




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

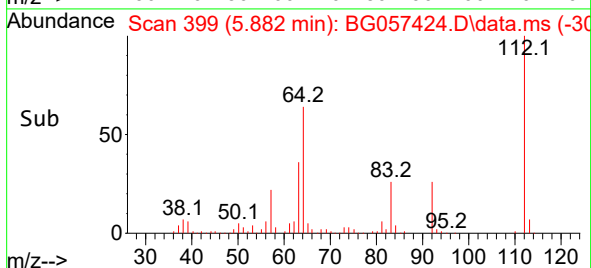
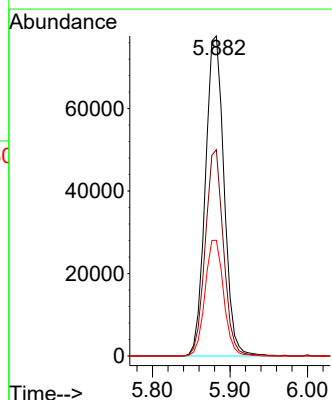
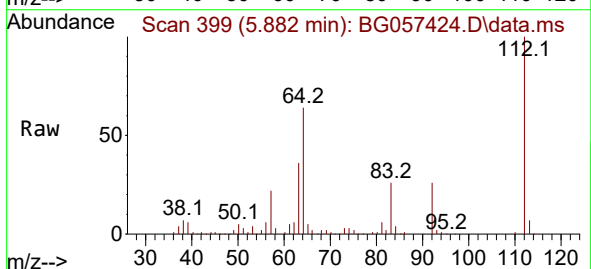
Instrument :
BNA_G
ClientSampleId :
PB152709BL

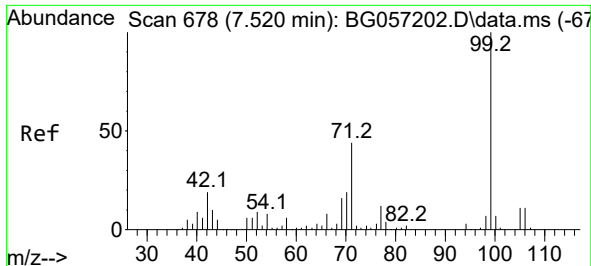
Tgt Ion:152 Resp: 15182
Ion Ratio Lower Upper
152 100
150 151.3 126.2 189.4
115 60.6 45.0 67.4



#5
2-Fluorophenol
Concen: 146.132 ng
RT: 5.882 min Scan# 399
Delta R.T. 0.004 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

Tgt Ion:112 Resp: 129695
Ion Ratio Lower Upper
112 100
64 64.5 49.4 74.2
63 36.2 31.6 47.4

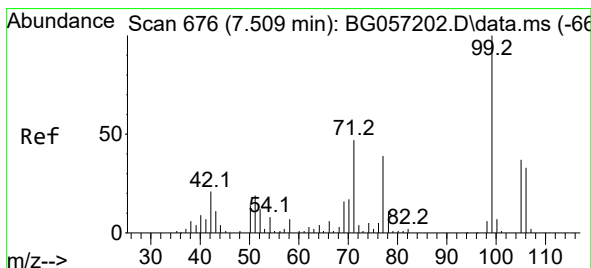
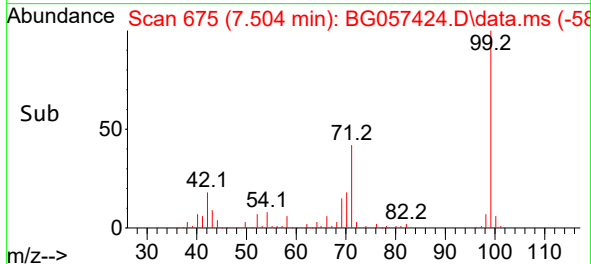
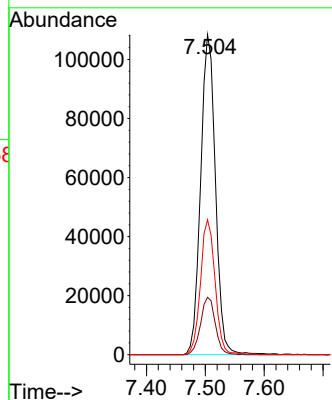
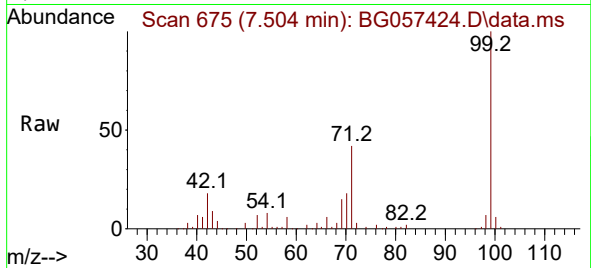




#7
Phenol-d6
Concen: 140.480 ng
RT: 7.504 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

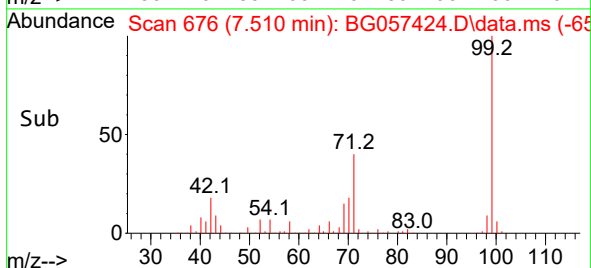
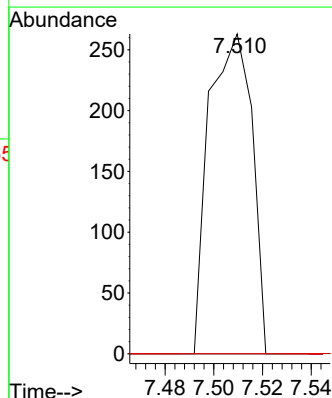
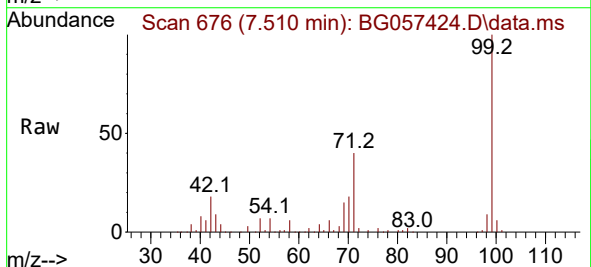
Instrument :
BNA_G
ClientSampleId :
PB152709BL

Tgt Ion: 99 Resp: 189329
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 42.1 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.510 min Scan# 676
Delta R.T. 0.021 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

Tgt Ion: 77 Resp: 322
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

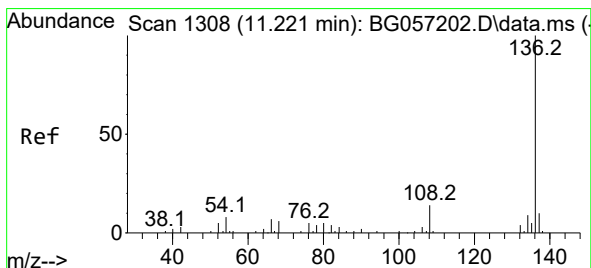
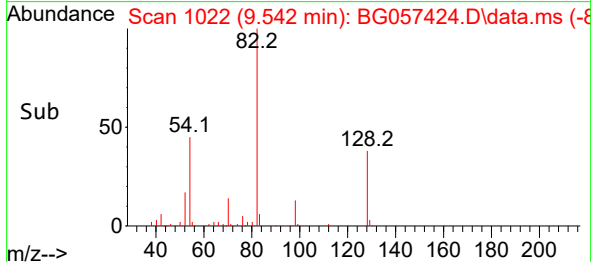
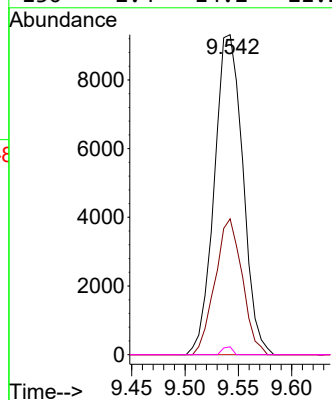
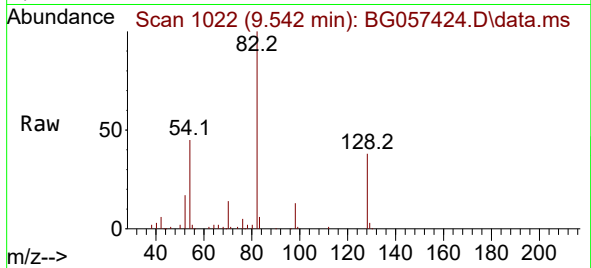




#19
n-Nitroso-di-n-propylamine
Concen: 16.856 ng
RT: 9.542 min Scan# 10
Delta R.T. 0.374 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

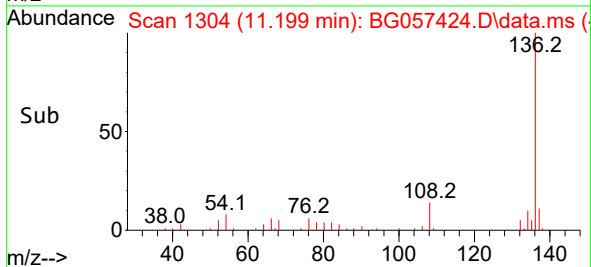
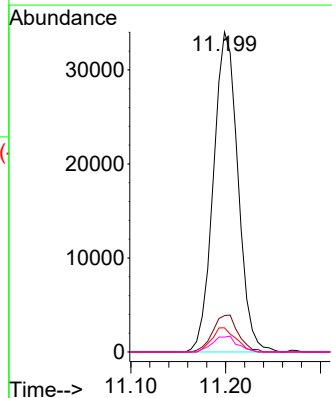
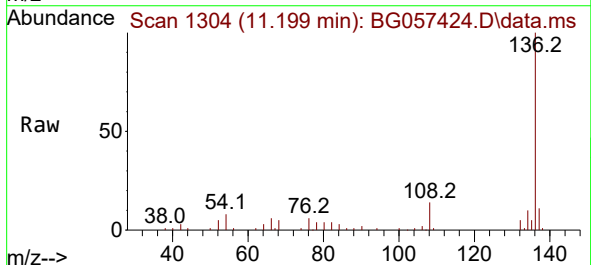
Instrument :
BNA_G
ClientSampleId :
PB152709BL

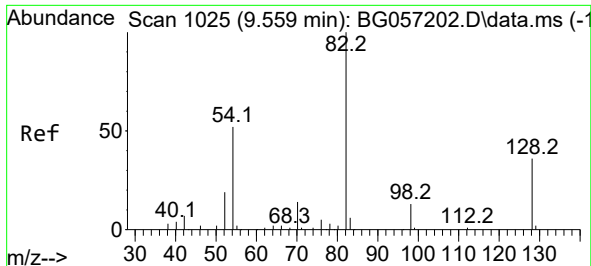
Tgt Ion: 70 Resp: 17322
Ion Ratio Lower Upper
70 100
42 42.5 41.8 62.8
101 0.0 6.8 10.2#
130 2.4 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.199 min Scan# 1304
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

Tgt Ion: 136 Resp: 61236
Ion Ratio Lower Upper
136 100
137 11.4 8.3 12.5
54 7.6 6.7 10.1
68 4.7 4.6 6.8





#23
Nitrobenzene-d5
Concen: 82.722 ng
RT: 9.542 min Scan# 1022
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

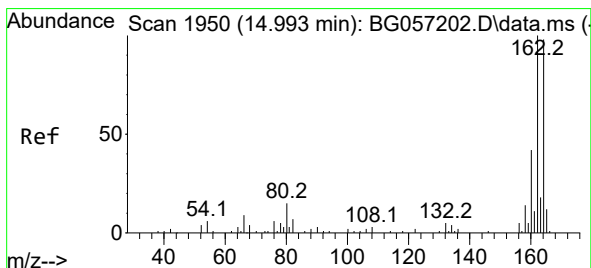
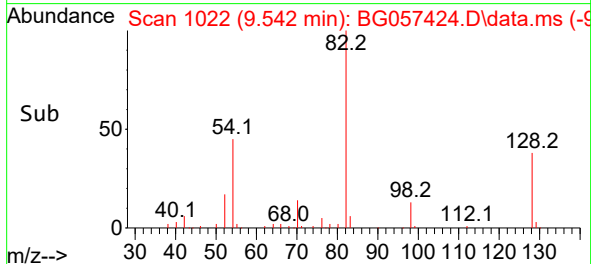
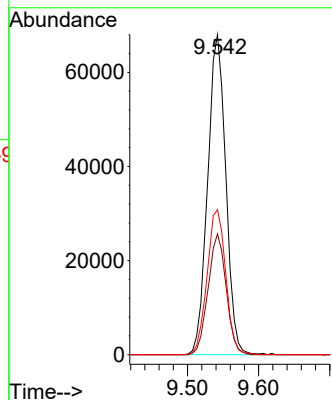
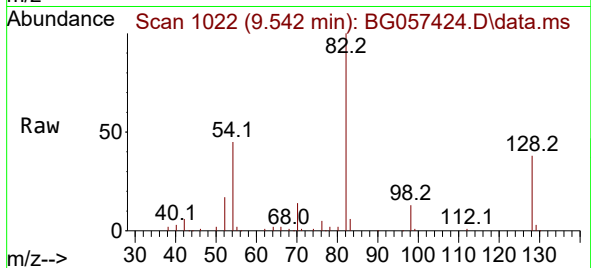
Instrument :

BNA_G

ClientSampleId :

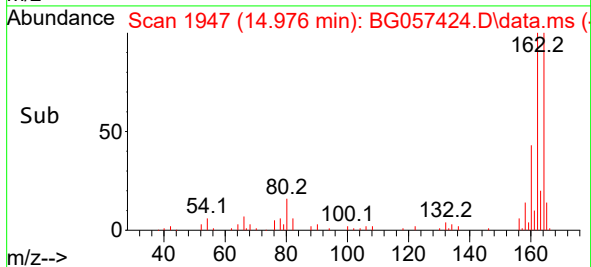
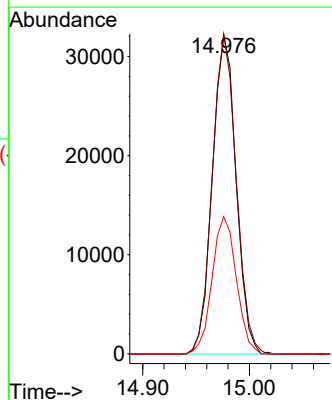
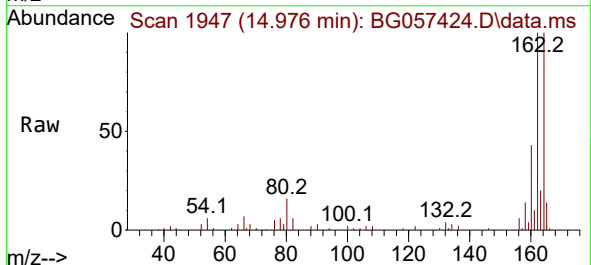
PB152709BL

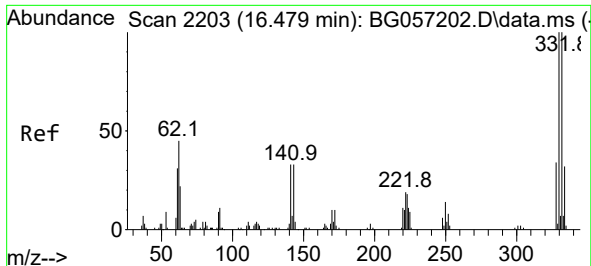
Tgt Ion: 82 Resp: 120693
Ion Ratio Lower Upper
82 100
128 37.8 29.0 43.4
54 45.3 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.976 min Scan# 1947
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

Tgt Ion:164 Resp: 49633
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.6
160 43.1 34.6 52.0

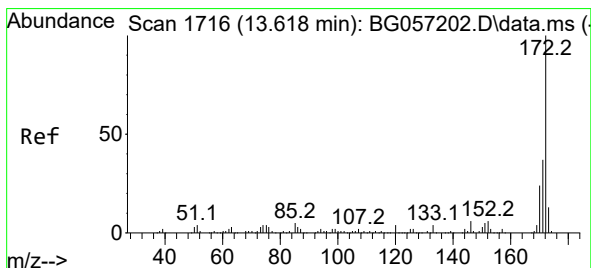
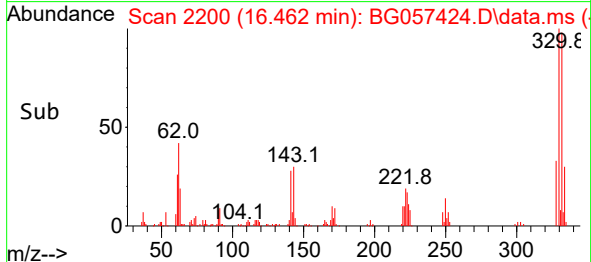
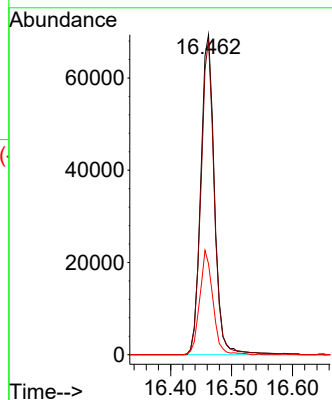
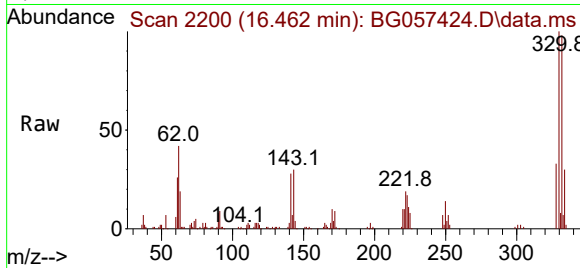




#42
2,4,6-Tribromophenol
Concen: 153.377 ng
RT: 16.462 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

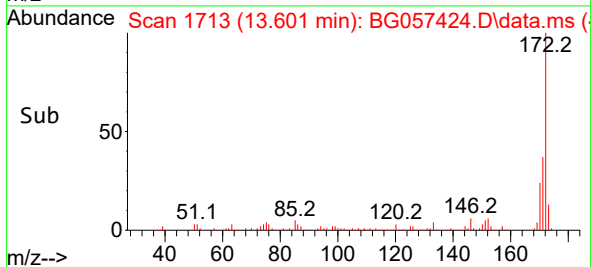
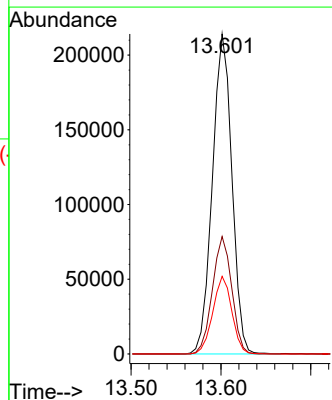
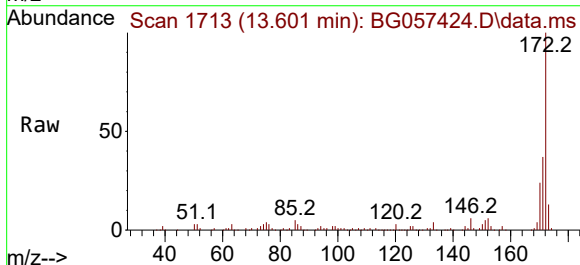
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ClientSampleId :
PB152709BL

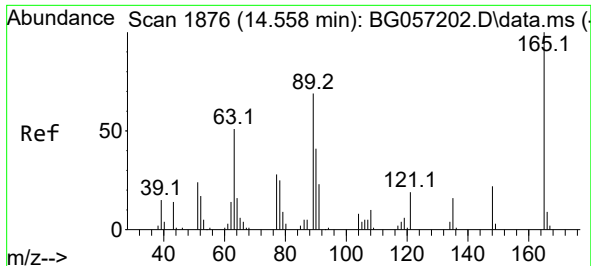
Tgt Ion:330 Resp: 108014
Ion Ratio Lower Upper
330 100
332 96.2 78.2 117.2
141 31.5 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 87.689 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

Tgt Ion:172 Resp: 323158
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.2 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.735 ng

RT: 14.976 min Scan# 1947

Delta R.T. 0.427 min

Lab File: BG057424.D

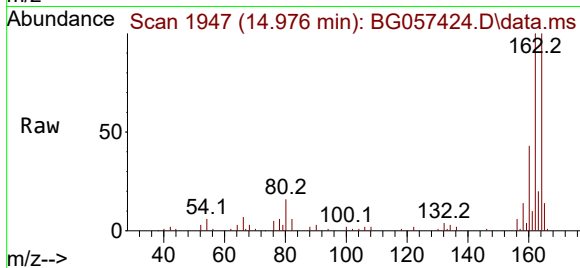
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Instrument :

BNA_G

ClientSampleId :

PB152709BL



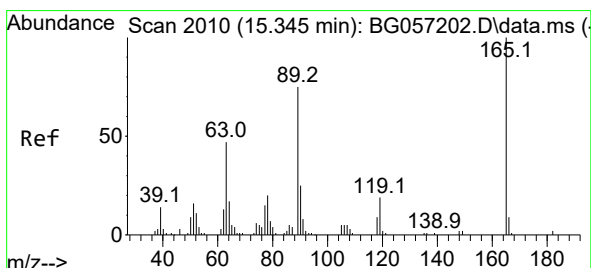
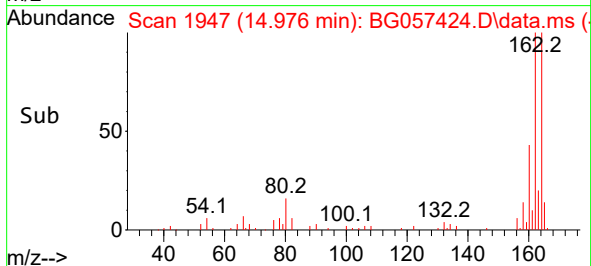
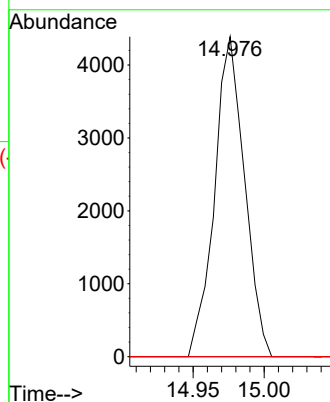
Tgt Ion:165 Resp: 6441

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: 5.412 ng

RT: 14.976 min Scan# 1947

Delta R.T. -0.360 min

Lab File: BG057424.D

Acq: 13 May 2023 2:37

Tgt Ion:165 Resp: 6441

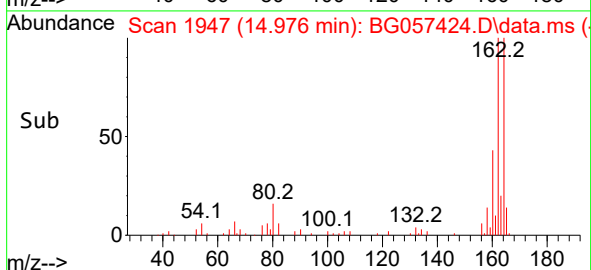
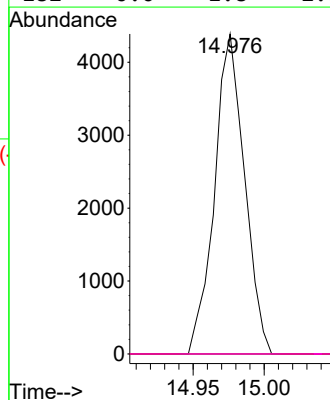
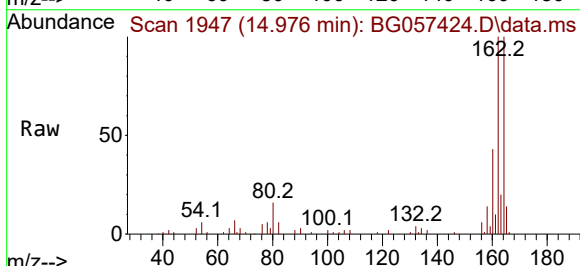
Ion Ratio Lower Upper

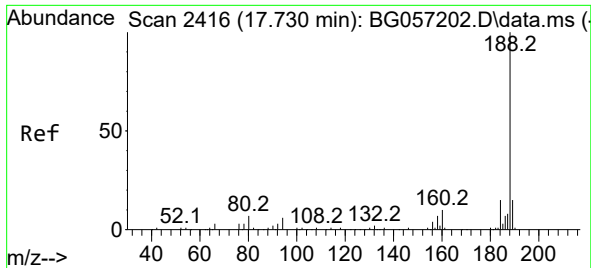
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

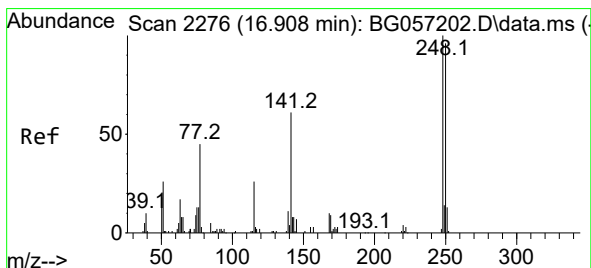
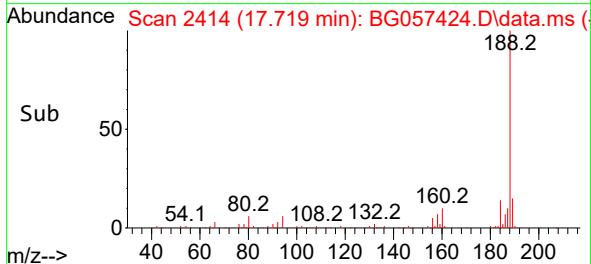
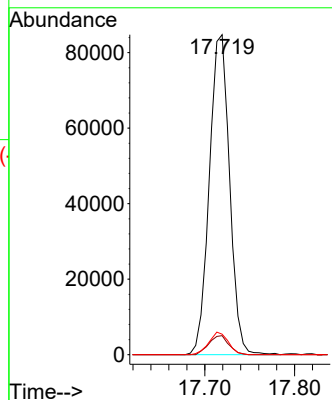
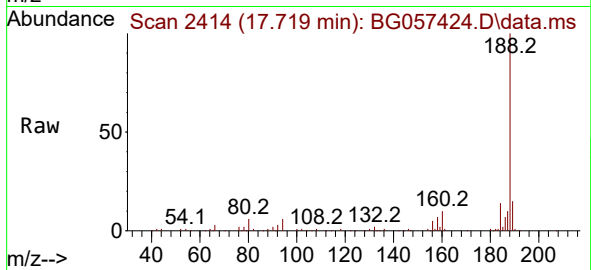




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.719 min Scan# 2416
Delta R.T. -0.002 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

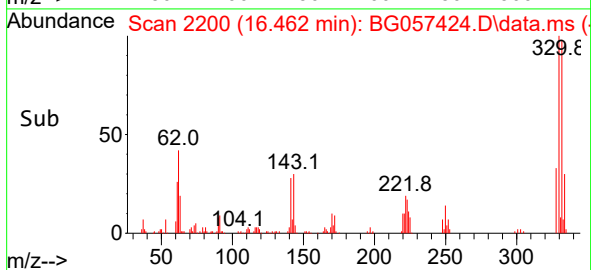
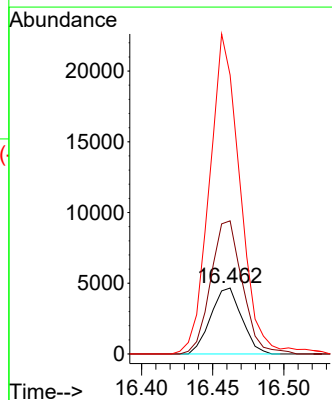
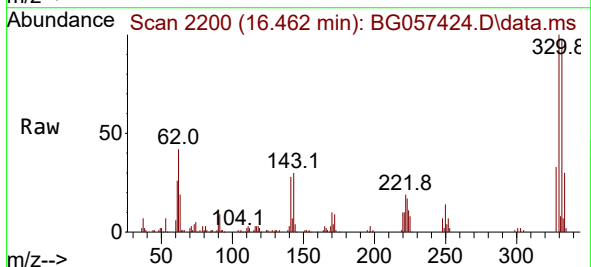
Instrument :
BNA_G
ClientSampleId :
PB152709BL

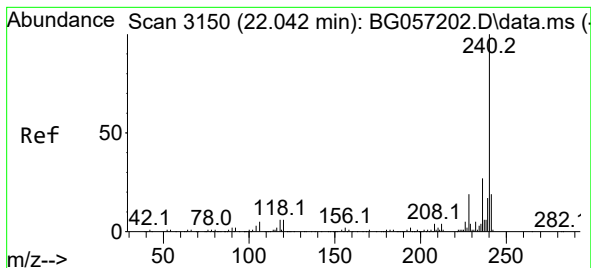
Tgt Ion:188 Resp: 132641
Ion Ratio Lower Upper
188 100
94 6.0 5.1 7.7
80 6.4 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 4.361 ng
RT: 16.462 min Scan# 2200
Delta R.T. -0.431 min
Lab File: BG057424.D
Acq: 13 May 2023 2:37

Tgt Ion:248 Resp: 7062
Ion Ratio Lower Upper
248 100
250 201.8 77.0 115.6#
141 422.7 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.025 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG057424.D

Acq: 13 May 2023 2:37

Instrument :

BNA_G

ClientSampleId :

PB152709BL

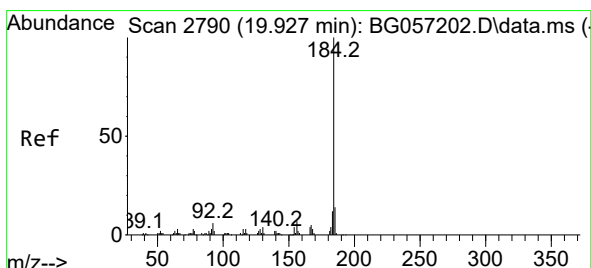
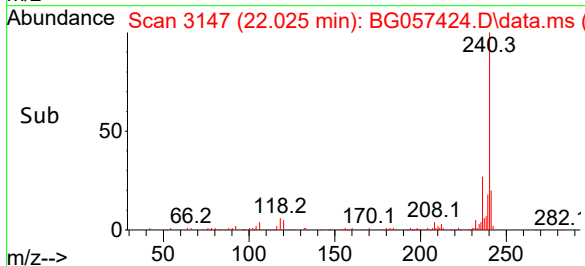
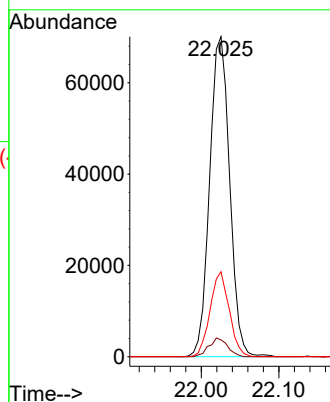
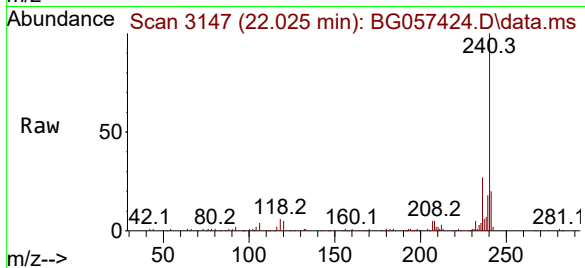
Tgt Ion:240 Resp: 125535

Ion Ratio Lower Upper

240 100

120 5.2 4.9 7.3

236 26.6 21.4 32.2



#77

Benzidine

Concen: 3.721 ng

RT: 20.286 min Scan# 2851

Delta R.T. 0.368 min

Lab File: BG057424.D

Acq: 13 May 2023 2:37

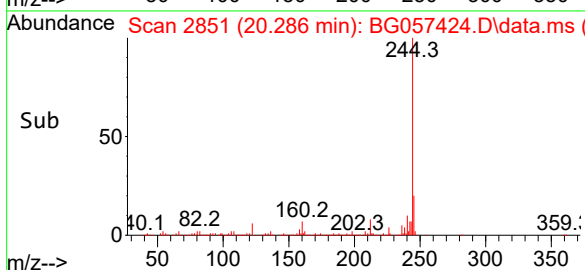
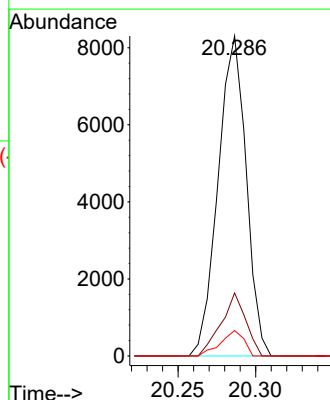
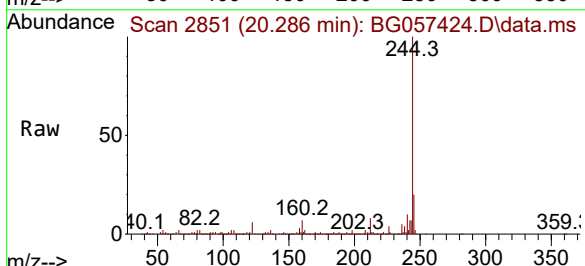
Tgt Ion:184 Resp: 10444

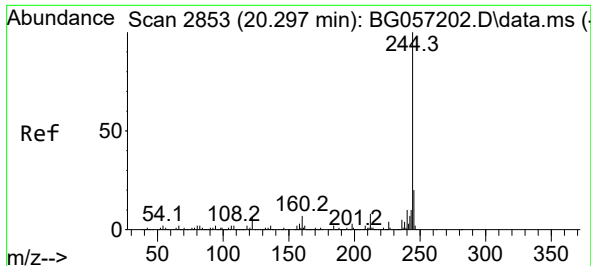
Ion Ratio Lower Upper

184 100

185 19.7 11.1 16.7#

183 8.0 9.9 14.9#

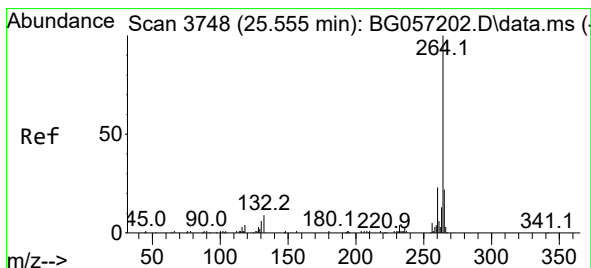
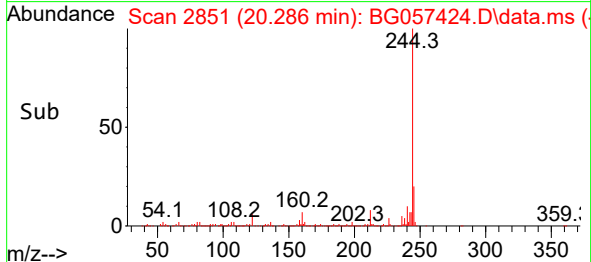
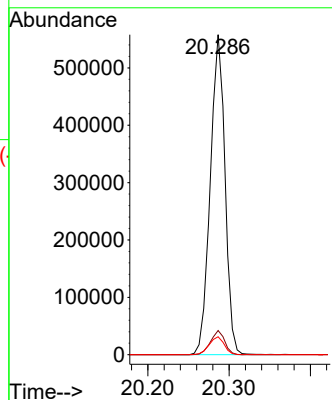
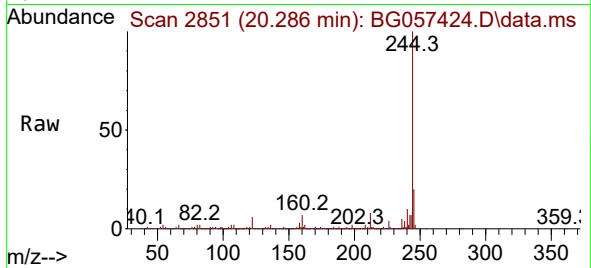




#79
 Terphenyl-d14
 Concen: 90.995 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057424.D
 Acq: 13 May 2023 2:37

Instrument :
 BNA_G
 ClientSampleId :
 PB152709BL

Tgt Ion:244 Resp: 699977
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 5.6 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.526 min Scan# 3743
 Delta R.T. -0.008 min
 Lab File: BG057424.D
 Acq: 13 May 2023 2:37

Tgt Ion:264 Resp: 133280
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 20.9 17.9 26.9

