

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062723\
 Data File : BG057874.D
 Acq On : 27 Jun 2023 19:57
 Operator : CG/JU
 Sample : PB153721BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB153721BL

Quant Time: Jun 28 02:39:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

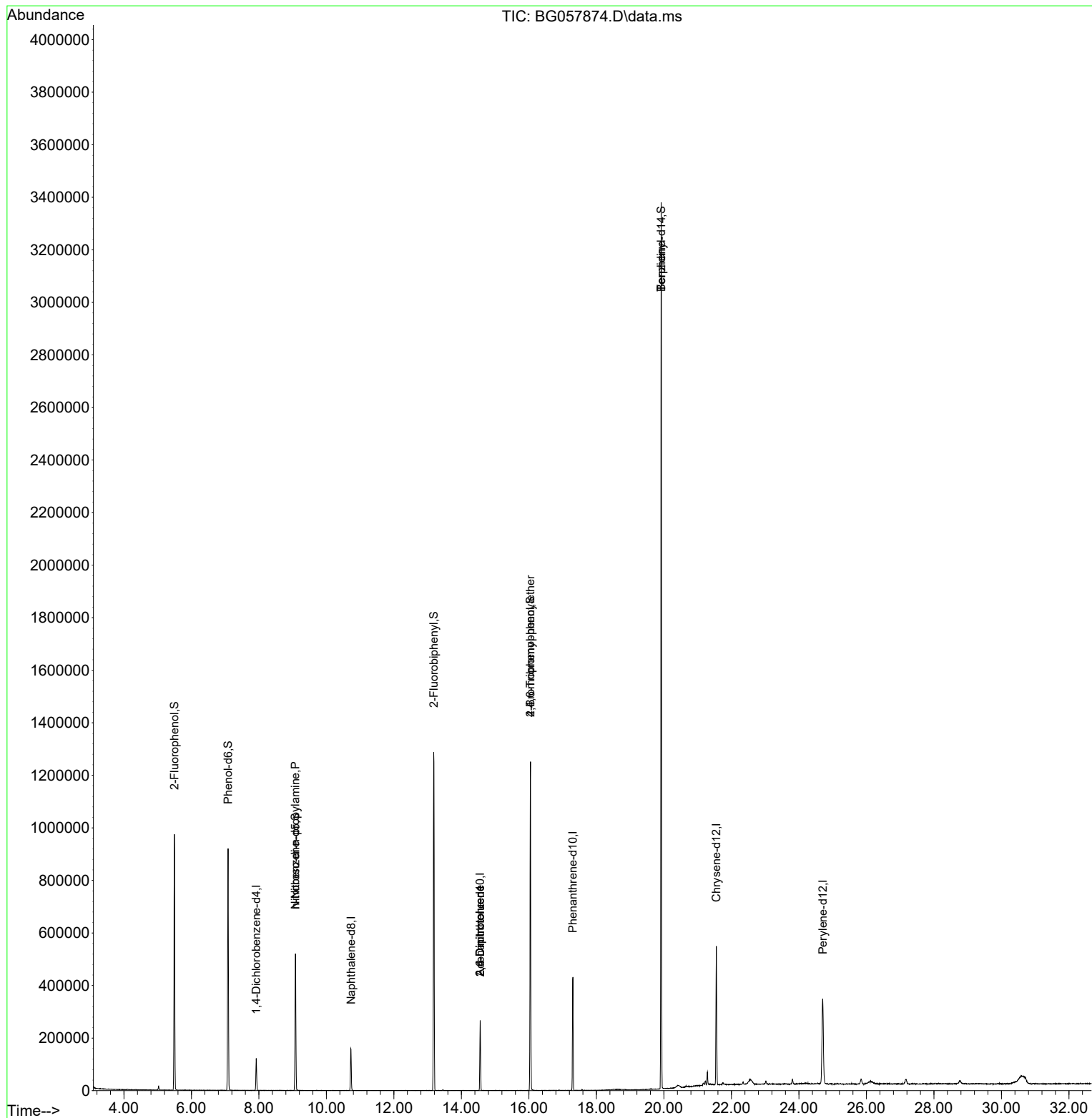
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.919	152	33268	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	136445	20.000	ng	0.00
39) Acenaphthene-d10	14.553	164	97351	20.000	ng	0.00
64) Phenanthrene-d10	17.303	188	279952	20.000	ng	0.00
76) Chrysene-d12	21.551	240	298593	20.000	ng	0.00
86) Perylene-d12	24.706	264	352973	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	399528	183.743	ng	0.00
7) Phenol-d6	7.085	99	546108	167.957	ng	0.00
23) Nitrobenzene-d5	9.083	82	315218	113.219	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	270612	165.501	ng	0.00
45) 2-Fluorobiphenyl	13.178	172	715891	112.221	ng	0.00
79) Terphenyl-d14	19.917	244	1798796	109.827	ng	0.00
Target Compounds						
9) Benzaldehyde	7.091	77	570	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	9.083	70	39644	18.221	ng	# 79
51) 2,6-Dinitrotoluene	14.553	165	12276	7.663	ng	# 24
57) 2,4-Dinitrotoluene	14.553	165	12276	5.281	ng	# 21
67) 4-Bromophenyl-phenylether	16.045	248	17356	5.873	ng	# 1
77) Benzidine	19.917	184	23422	3.343	ng	# 89

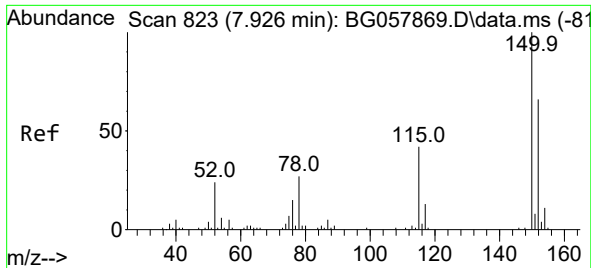
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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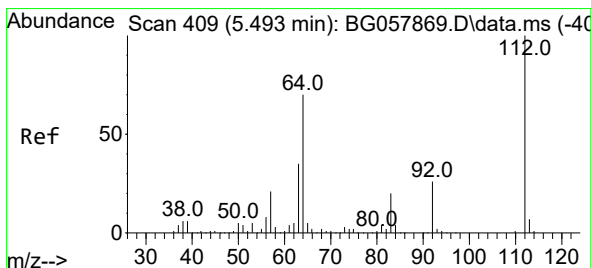
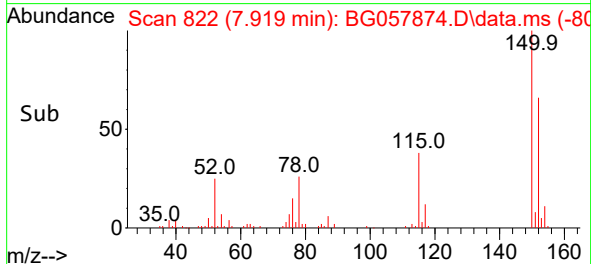
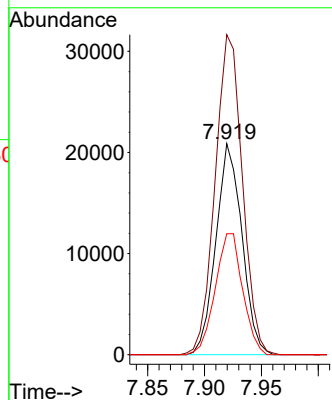
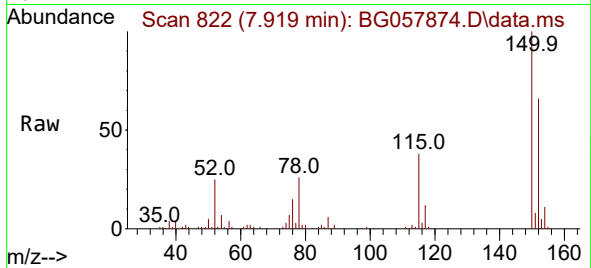




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.919 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

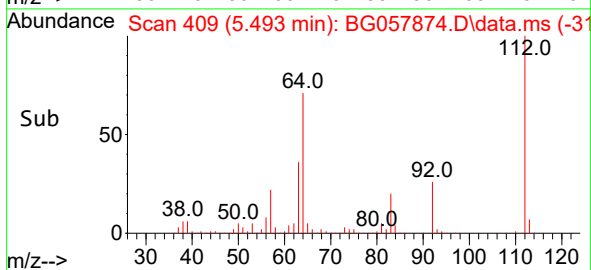
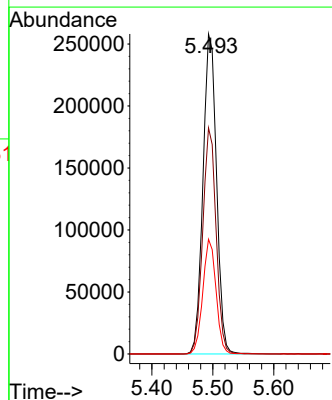
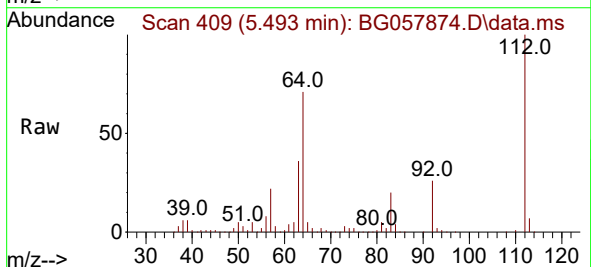
Instrument :
BNA_G
ClientSampleId :
PB153721BL

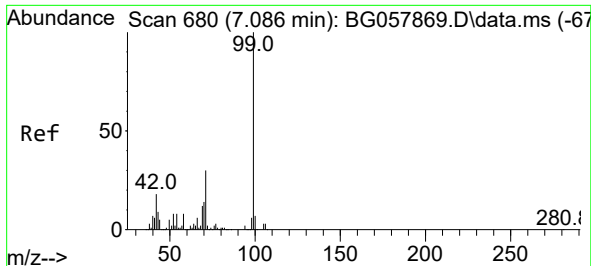
Tgt Ion:152 Resp: 33268
Ion Ratio Lower Upper
152 100
150 151.6 122.0 183.0
115 57.3 50.7 76.1



#5
2-Fluorophenol
Concen: 183.743 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.000 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

Tgt Ion:112 Resp: 399528
Ion Ratio Lower Upper
112 100
64 70.7 55.8 83.6
63 35.8 27.9 41.9

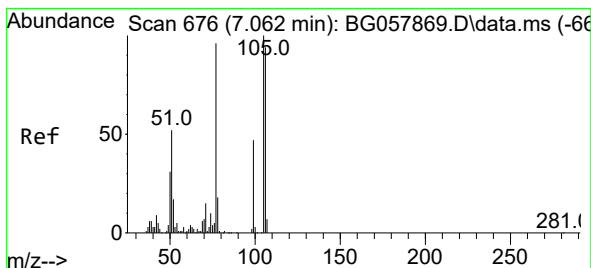
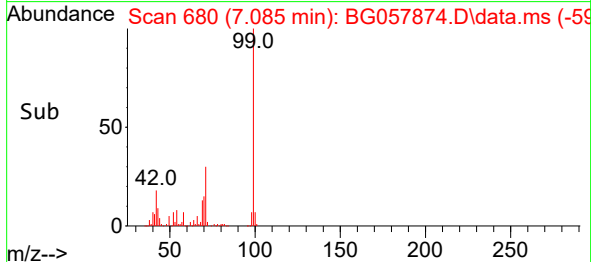
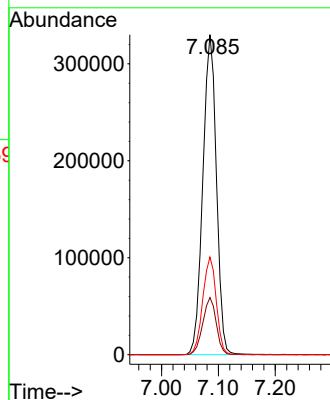
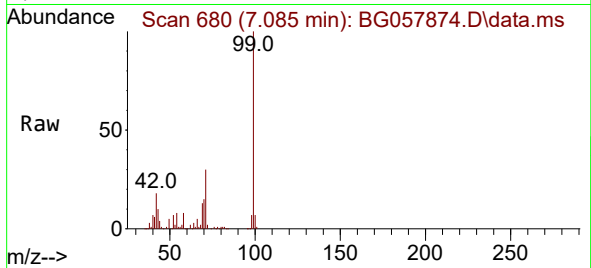




#7
Phenol-d6
Concen: 167.957 ng
RT: 7.085 min Scan# 680
Delta R.T. -0.000 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

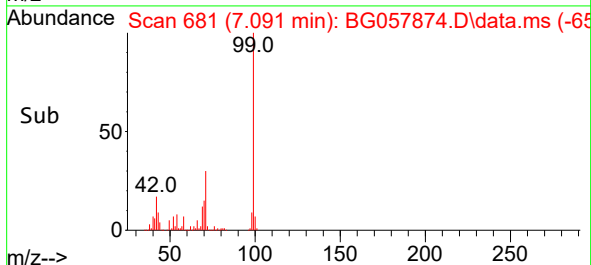
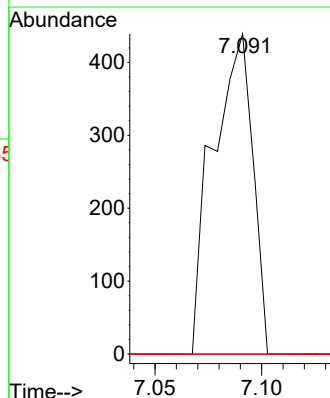
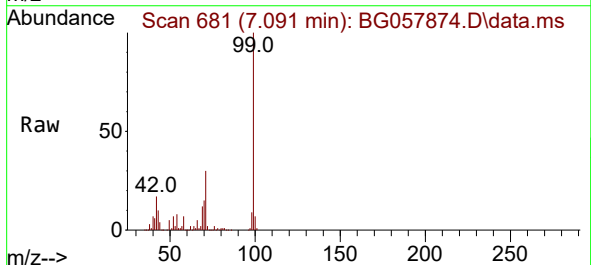
Instrument :
BNA_G
ClientSampleId :
PB153721BL

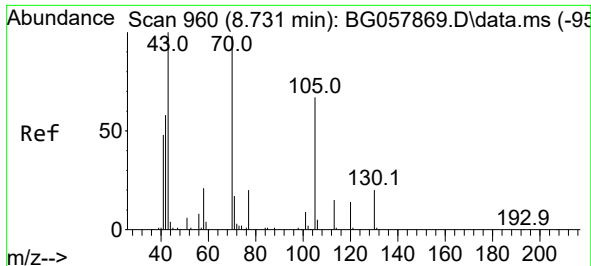
Tgt Ion: 99 Resp: 546108
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.4
71 30.5 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.091 min Scan# 681
Delta R.T. 0.029 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

Tgt Ion: 77 Resp: 570
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

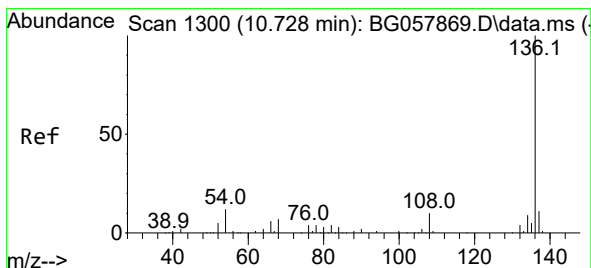
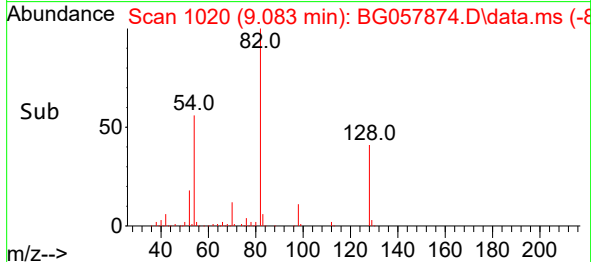
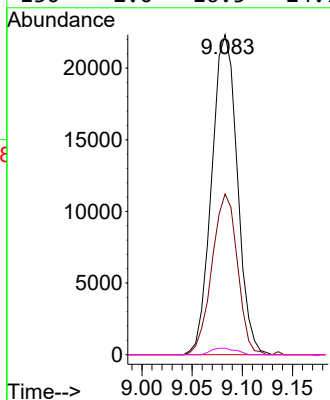
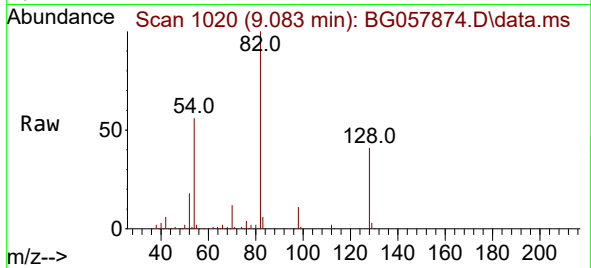




#19
n-Nitroso-di-n-propylamine
Concen: 18.221 ng
RT: 9.083 min Scan# 1020
Delta R.T. 0.352 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

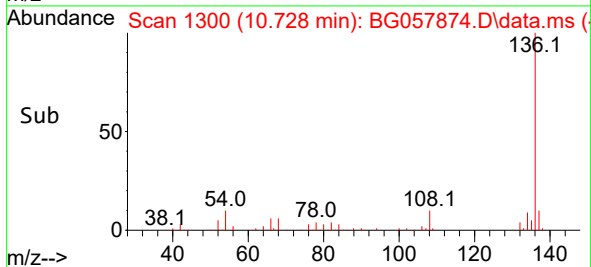
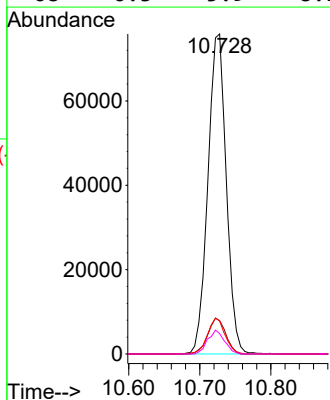
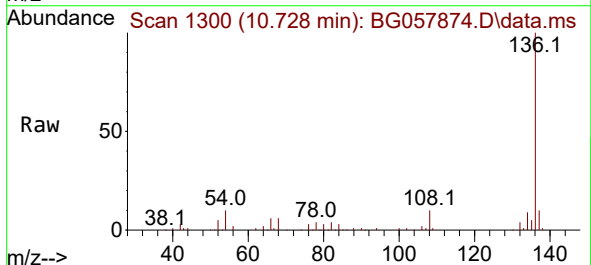
Instrument :
BNA_G
ClientSampleId :
PB153721BL

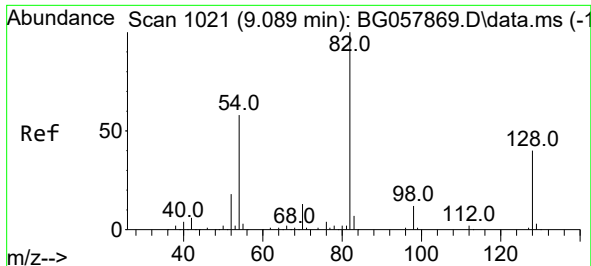
Tgt Ion: 70 Resp: 39644
Ion Ratio Lower Upper
70 100
42 50.2 48.4 72.6
101 0.0 7.2 10.8#
130 2.0 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

Tgt Ion: 136 Resp: 136445
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 10.3 9.3 13.9
68 6.3 5.9 8.9





#23
Nitrobenzene-d5
Concen: 113.219 ng
RT: 9.083 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

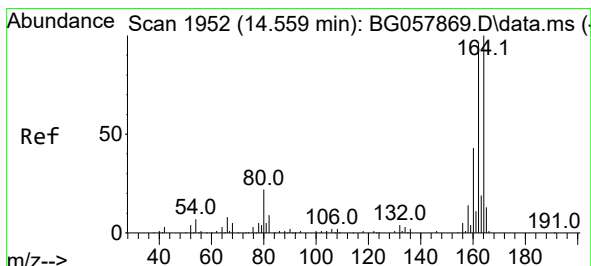
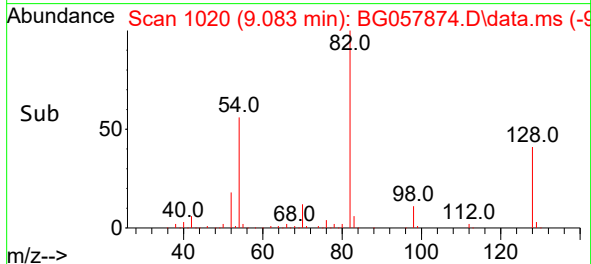
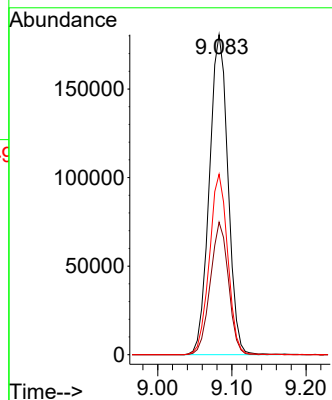
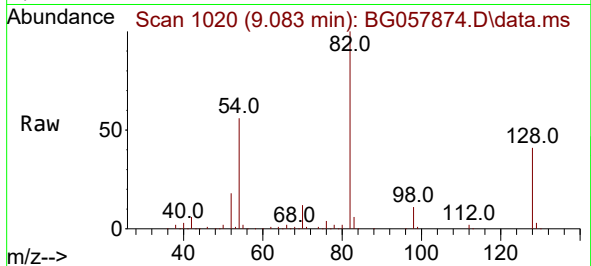
Instrument :

BNA_G

ClientSampleId :

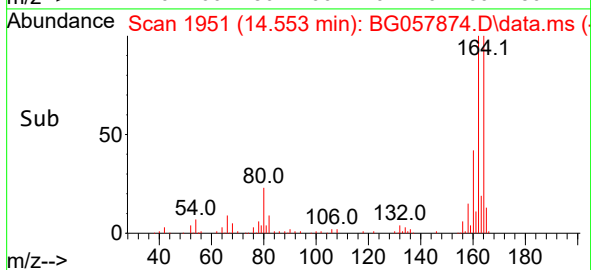
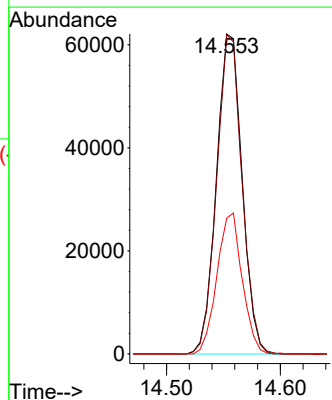
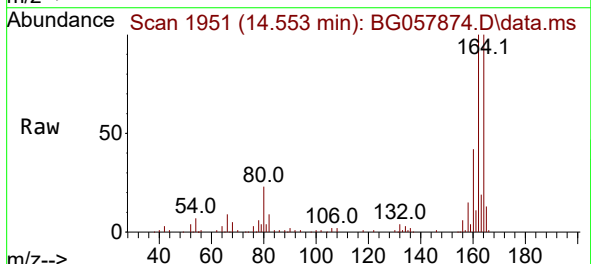
PB153721BL

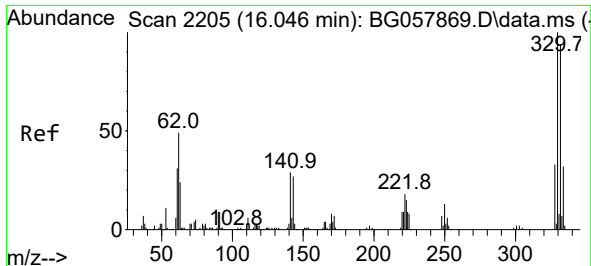
Tgt Ion: 82 Resp: 315218
Ion Ratio Lower Upper
82 100
128 41.4 32.2 48.4
54 56.4 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.553 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

Tgt Ion:164 Resp: 97351
Ion Ratio Lower Upper
164 100
162 99.8 76.4 114.6
160 42.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 165.501 ng

RT: 16.045 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057874.D

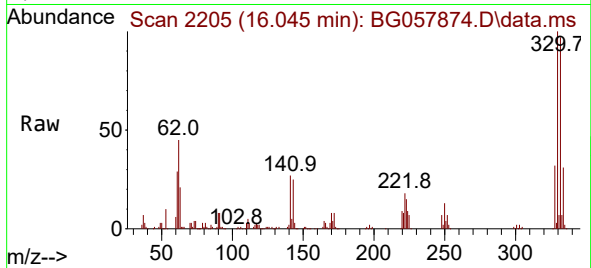
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Instrument :

BNA_G

ClientSampleId :

PB153721BL



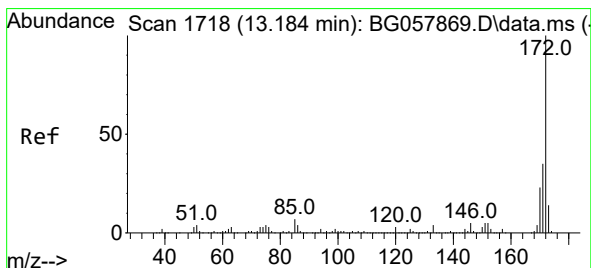
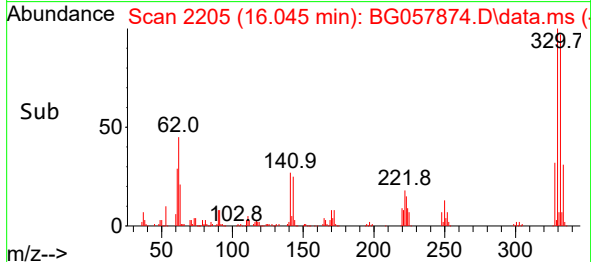
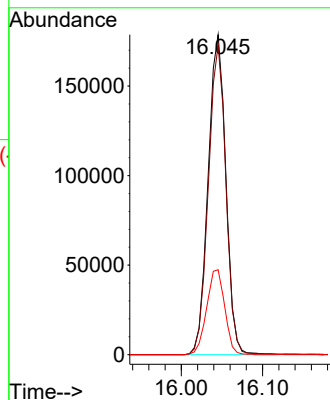
Tgt Ion:330 Resp: 270612

Ion Ratio Lower Upper

330 100

332 95.5 77.1 115.7

141 27.0 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 112.221 ng

RT: 13.178 min Scan# 1717

Delta R.T. -0.006 min

Lab File: BG057874.D

Acq: 27 Jun 2023 19:57

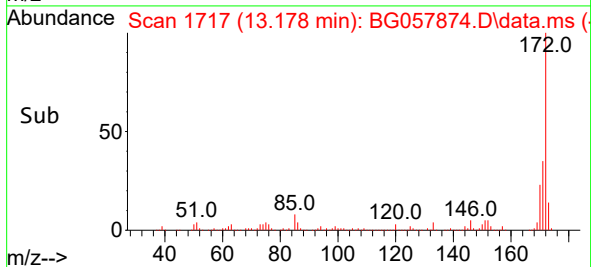
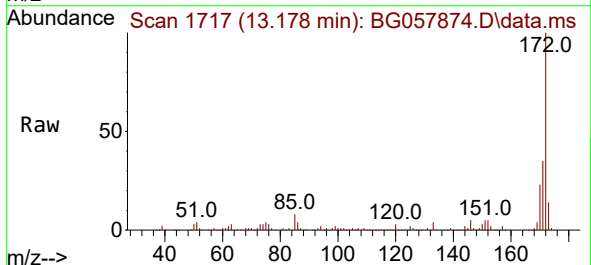
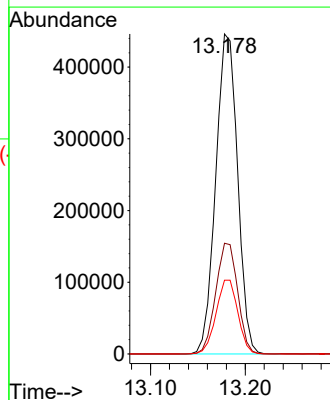
Tgt Ion:172 Resp: 715891

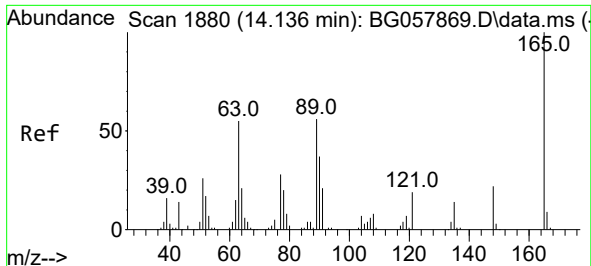
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.8

170 23.1 18.6 27.8

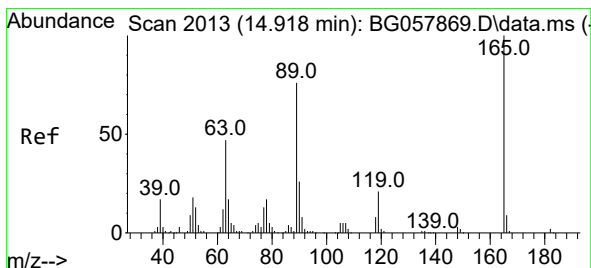
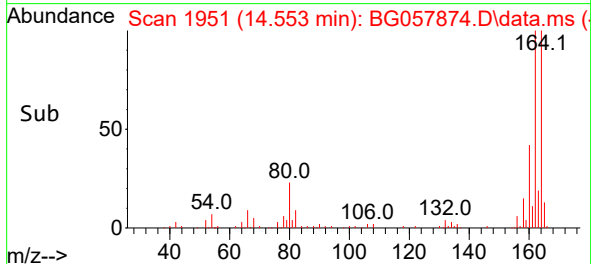
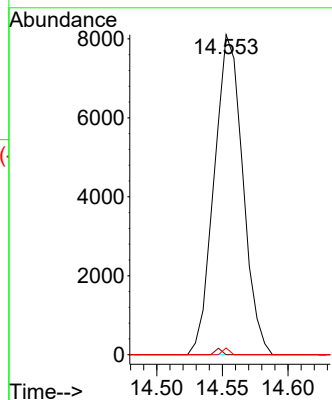
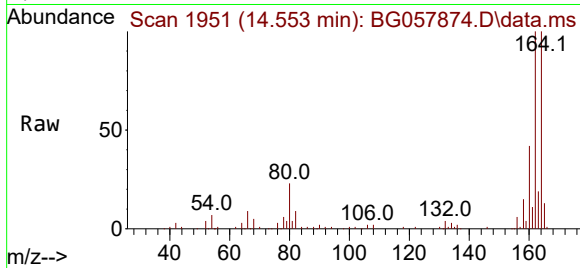




#51
2,6-Dinitrotoluene
Concen: 7.663 ng
RT: 14.553 min Scan# 1951
Delta R.T. 0.417 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

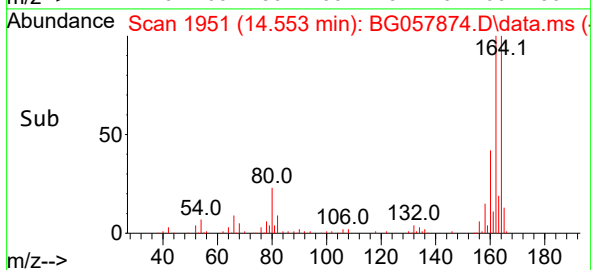
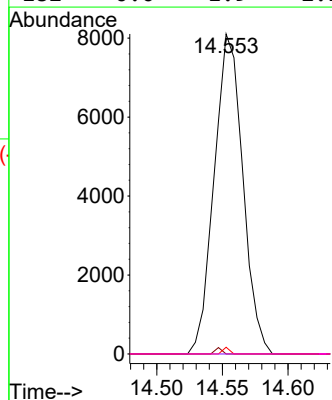
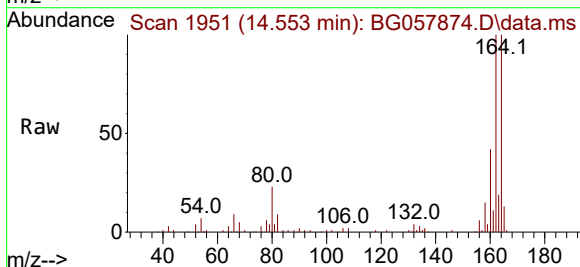
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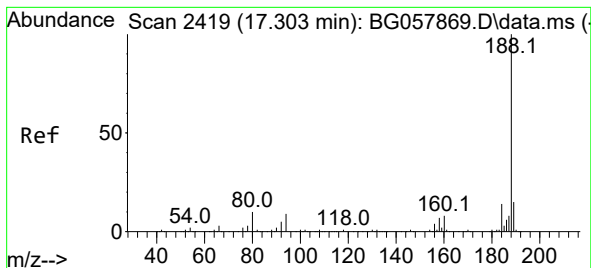
Tgt Ion:165 Resp: 12276
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 2.1 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.281 ng
RT: 14.553 min Scan# 1951
Delta R.T. -0.365 min
Lab File: BG057874.D
Acq: 27 Jun 2023 19:57

Tgt Ion:165 Resp: 12276
Ion Ratio Lower Upper
165 100
63 0.0 37.6 56.4#
89 2.1 61.0 91.4#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.303 min Scan# 2419

Delta R.T. -0.000 min

Lab File: BG057874.D

Acq: 27 Jun 2023 19:57

Instrument :

BNA_G

ClientSampleId :

PB153721BL

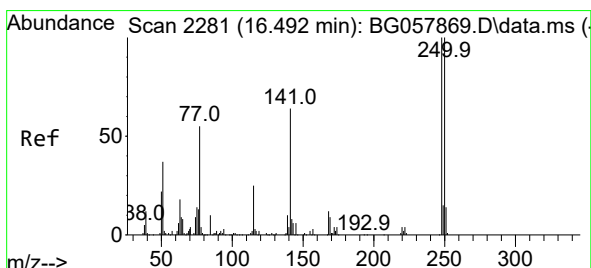
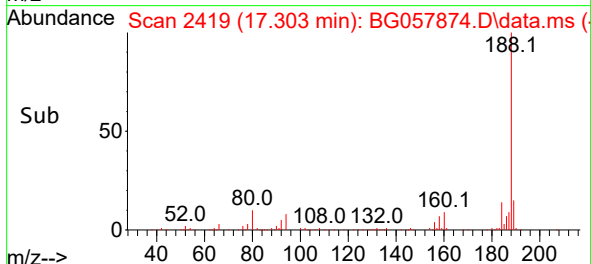
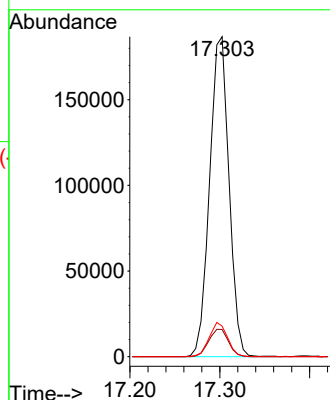
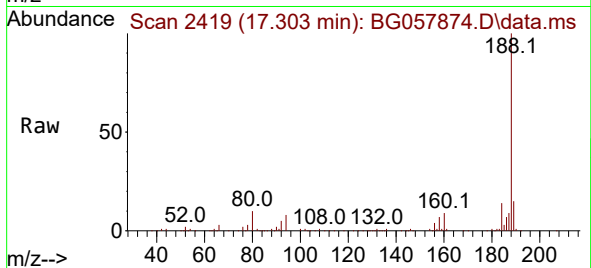
Tgt Ion:188 Resp: 279952

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

80 9.5 8.4 12.6



#67

4-Bromophenyl-phenylether

Concen: 5.873 ng

RT: 16.045 min Scan# 2205

Delta R.T. -0.447 min

Lab File: BG057874.D

Acq: 27 Jun 2023 19:57

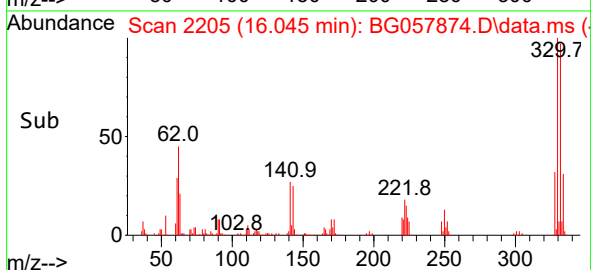
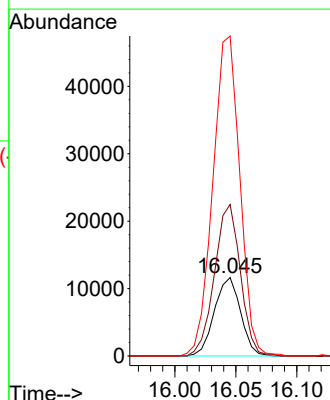
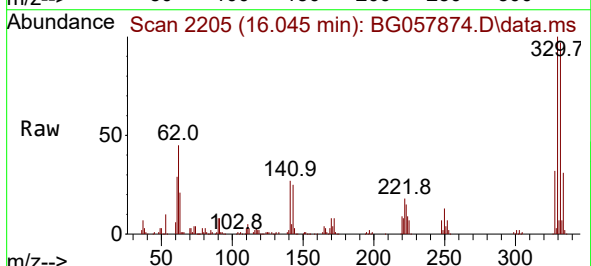
Tgt Ion:248 Resp: 17356

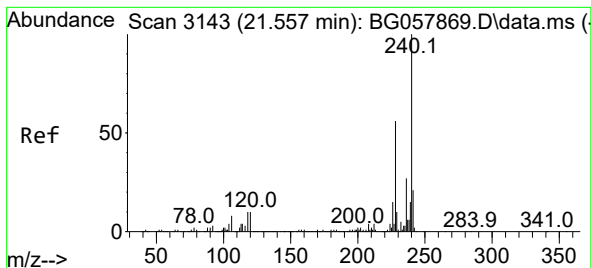
Ion Ratio Lower Upper

248 100

250 193.2 79.7 119.5#

141 408.0 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.551 min Scan# 3143

Delta R.T. -0.006 min

Lab File: BG057874.D

Acq: 27 Jun 2023 19:57

Instrument :

BNA_G

ClientSampleId :

PB153721BL

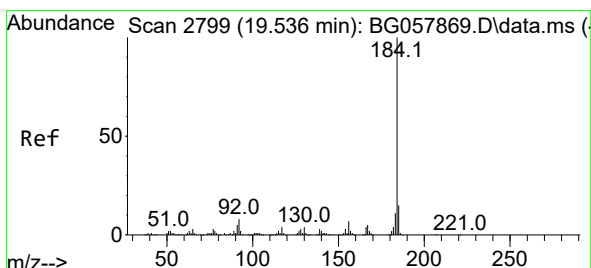
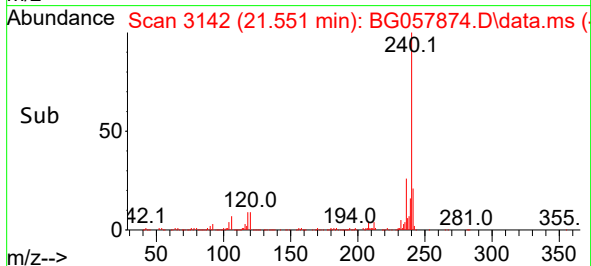
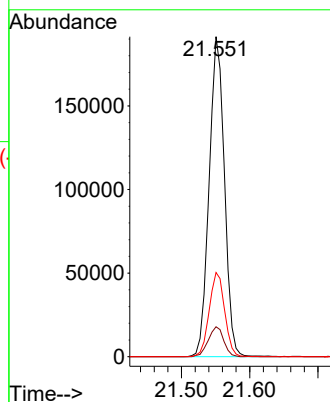
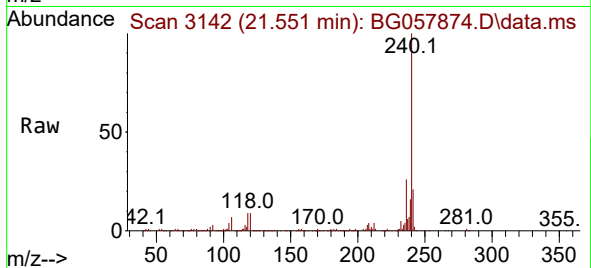
Tgt Ion:240 Resp: 298593

Ion Ratio Lower Upper

240 100

120 9.3 8.1 12.1

236 26.3 21.9 32.9



#77

Benzidine

Concen: 3.343 ng

RT: 19.917 min Scan# 2864

Delta R.T. 0.381 min

Lab File: BG057874.D

Acq: 27 Jun 2023 19:57

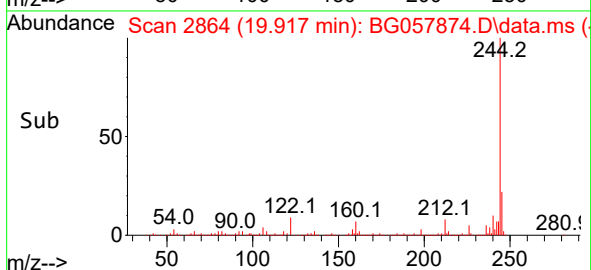
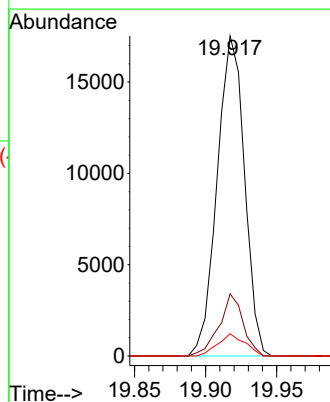
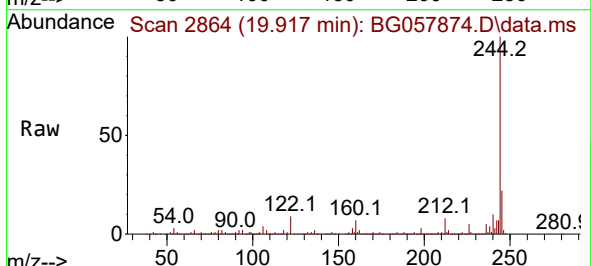
Tgt Ion:184 Resp: 23422

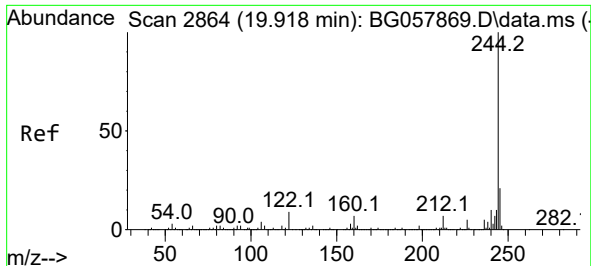
Ion Ratio Lower Upper

184 100

185 19.4 11.7 17.5#

183 6.9 9.0 13.4#

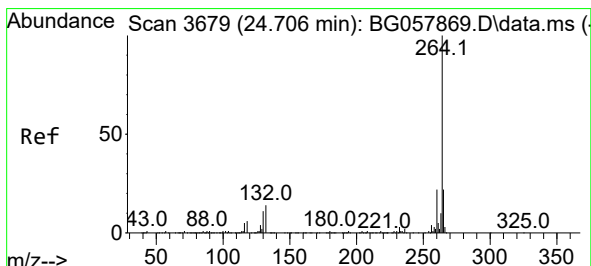
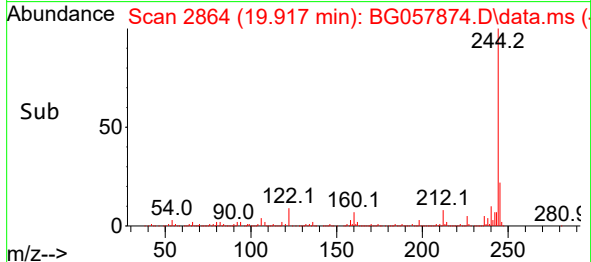
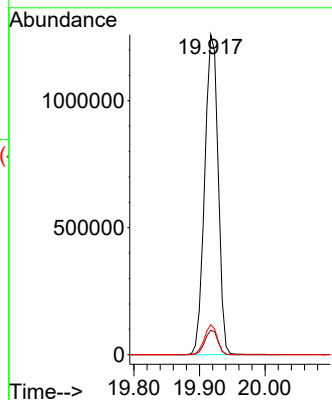
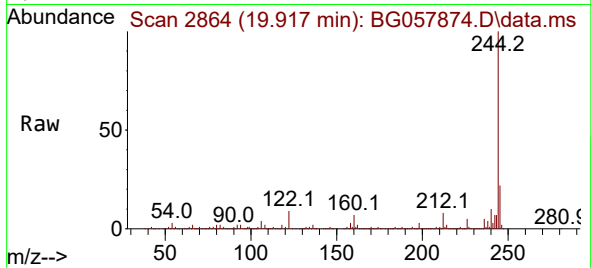




#79
 Terphenyl-d14
 Concen: 109.827 ng
 RT: 19.917 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG057874.D
 Acq: 27 Jun 2023 19:57

Instrument :
 BNA_G
 ClientSampleId :
 PB153721BL

Tgt Ion:244 Resp: 1798796
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 9.3 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.706 min Scan# 3679
 Delta R.T. -0.000 min
 Lab File: BG057874.D
 Acq: 27 Jun 2023 19:57

Tgt Ion:264 Resp: 352973
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.8 26.8
 265 21.6 17.3 25.9

