

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062723\
 Data File : BG057879.D
 Acq On : 27 Jun 2023 23:28
 Operator : CG/JU
 Sample : 03339-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-13

Quant Time: Jun 28 02:40:38 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)

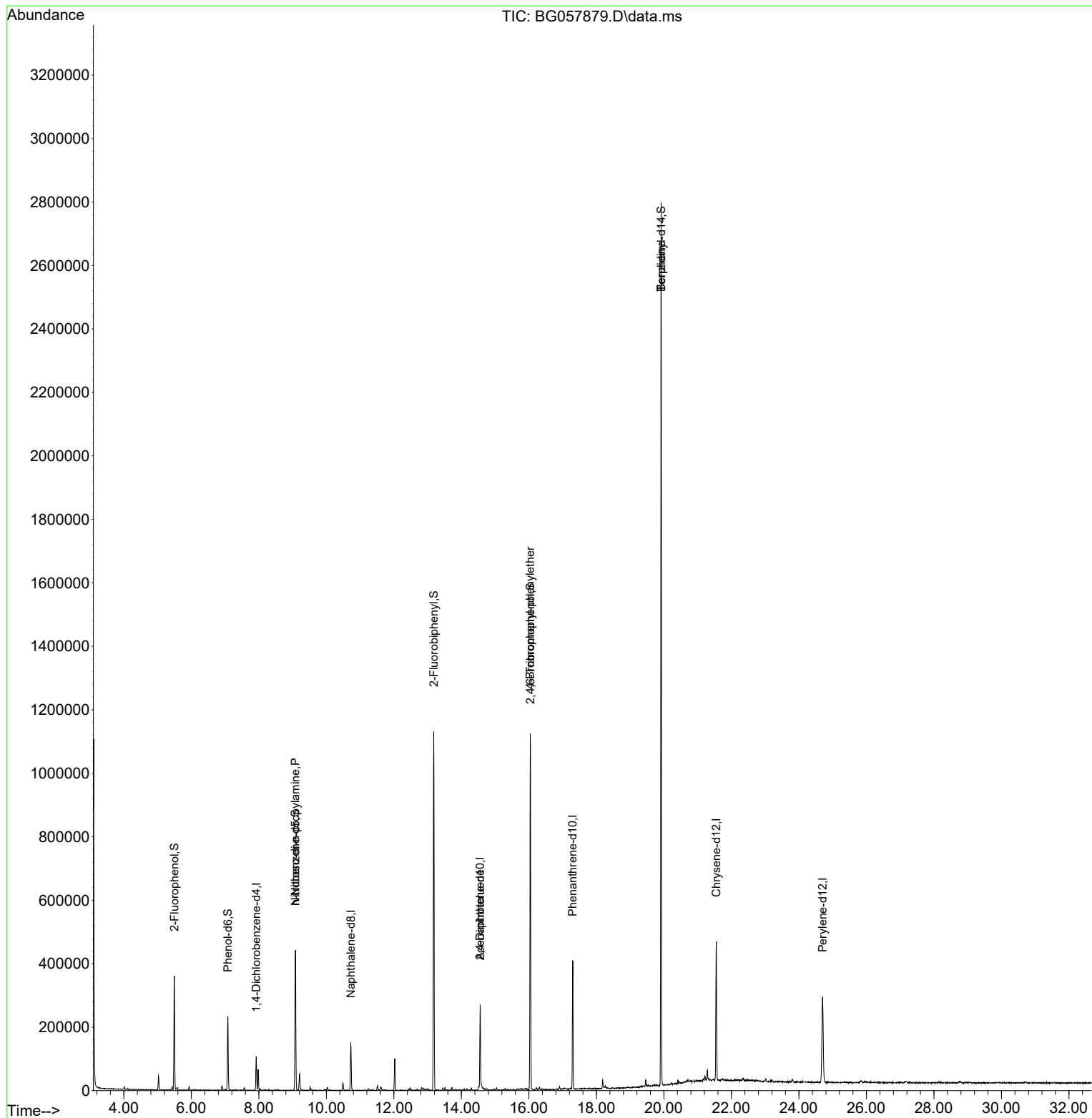
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	28975	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	127539	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	94201	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	255740	20.000	ng	0.00
76) Chrysene-d12	21.551	240	248682	20.000	ng	0.00
86) Perylene-d12	24.701	264	290643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	152031	80.279	ng	0.00
7) Phenol-d6	7.080	99	137836	48.673	ng	0.00
23) Nitrobenzene-d5	9.084	82	266693	102.479	ng	0.00
42) 2,4,6-Tribromophenol	16.046	330	245698	155.289	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	610015	98.821	ng	0.00
79) Terphenyl-d14	19.918	244	1419226	104.044	ng	0.00
Target Compounds						
9) Benzaldehyde	7.063	77	530	Below Cal	Qvalue #	48
19) n-Nitroso-di-n-propyla...	9.084	70	32604	17.206 ng	#	77
57) 2,4-Dinitrotoluene	14.554	165	11880	5.281 ng	#	23
67) 4-Bromophenyl-phenylether	16.040	248	15799	5.852 ng	#	1
77) Benzidine	19.918	184	18872	3.235 ng	#	93

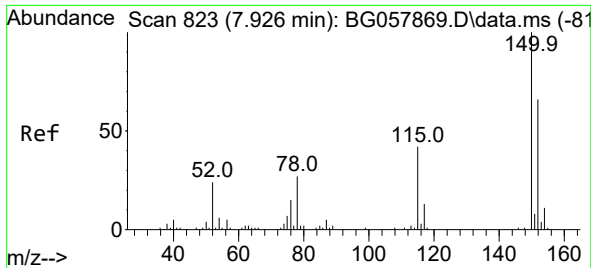
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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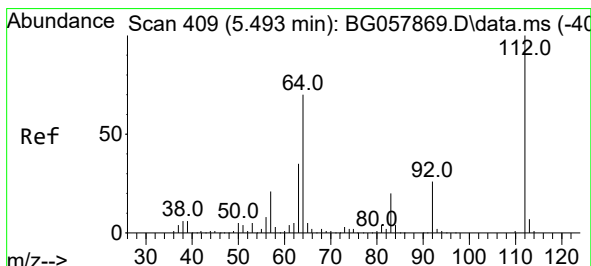
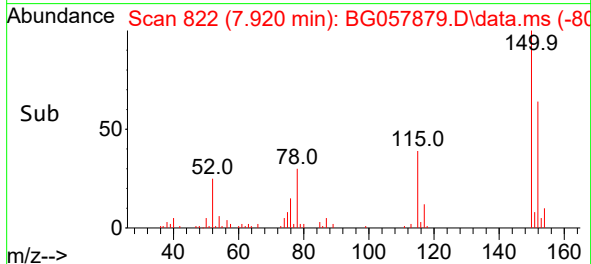
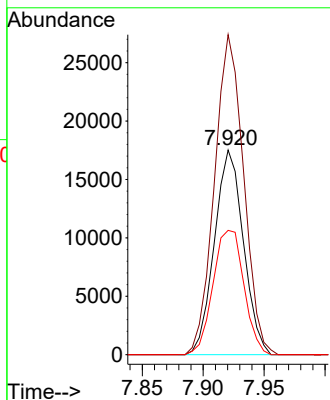
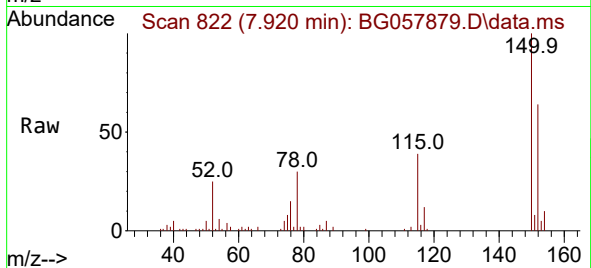




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.920 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

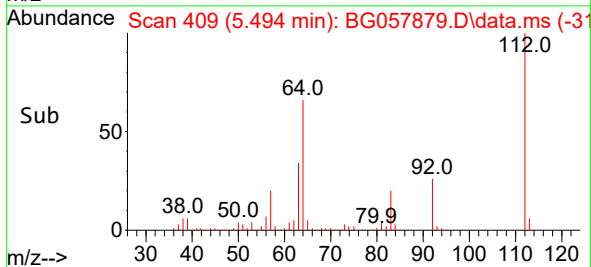
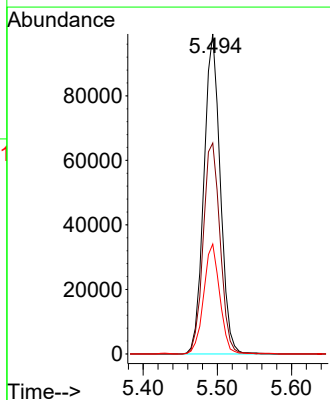
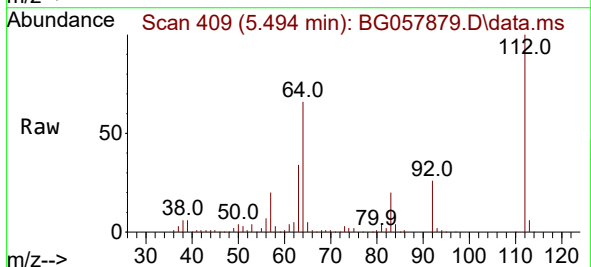
Instrument :
BNA_G
ClientSampleId :
MW-13

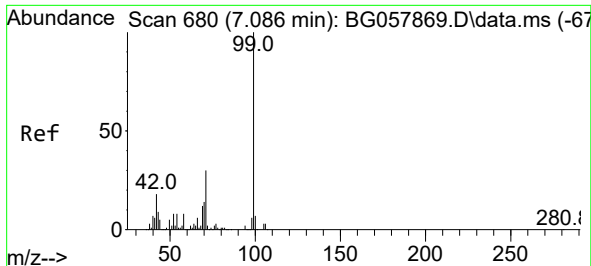
Tgt Ion:152 Resp: 28975
Ion Ratio Lower Upper
152 100
150 156.3 122.0 183.0
115 60.8 50.7 76.1



#5
2-Fluorophenol
Concen: 80.279 ng
RT: 5.494 min Scan# 409
Delta R.T. 0.001 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

Tgt Ion:112 Resp: 152031
Ion Ratio Lower Upper
112 100
64 65.9 55.8 83.6
63 34.3 27.9 41.9

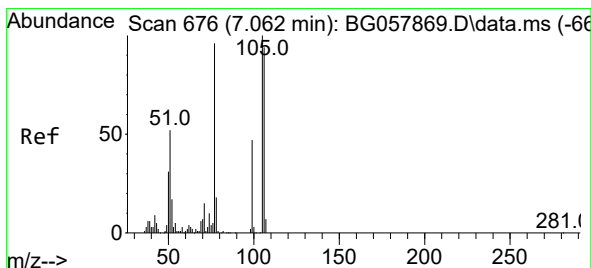
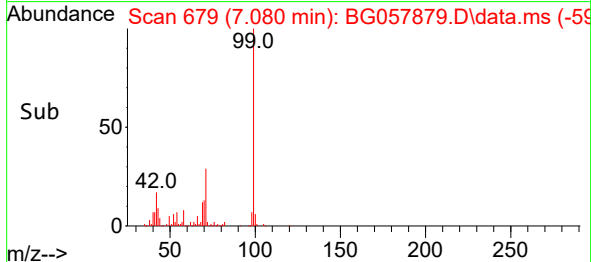
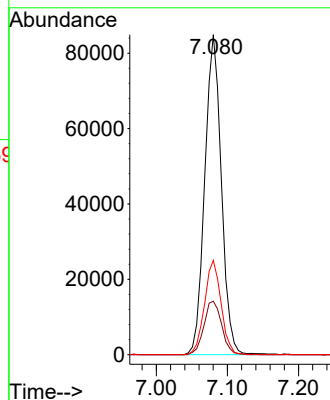
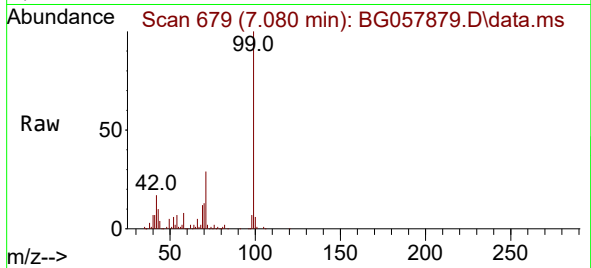




#7
Phenol-d6
Concen: 48.673 ng
RT: 7.080 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

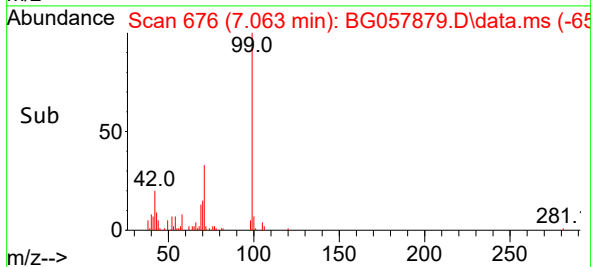
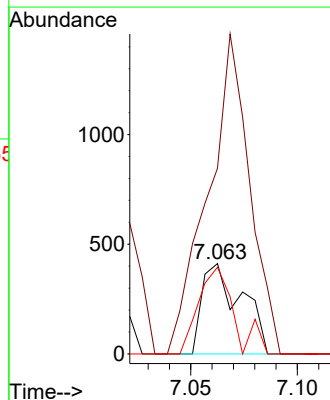
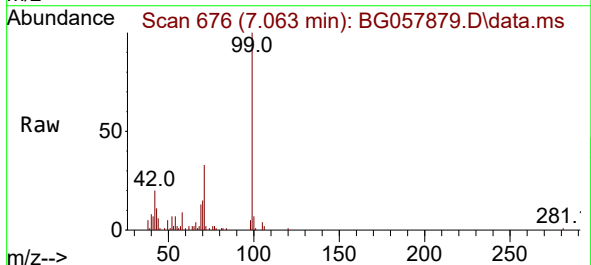
Instrument :
BNA_G
ClientSampleId :
MW-13

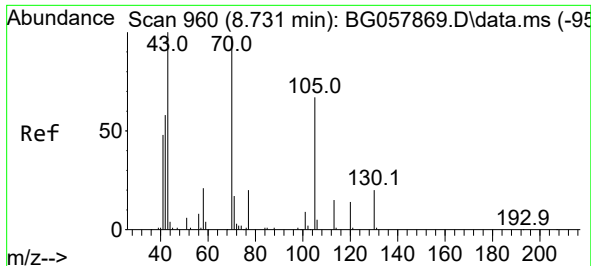
Tgt Ion: 99 Resp: 137836
Ion Ratio Lower Upper
99 100
42 16.7 14.2 21.4
71 29.5 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.063 min Scan# 676
Delta R.T. 0.001 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

Tgt Ion: 77 Resp: 530
Ion Ratio Lower Upper
77 100
105 205.6 83.7 123.7#
106 95.9 77.4 117.4

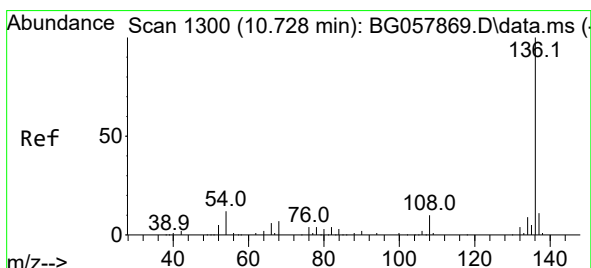
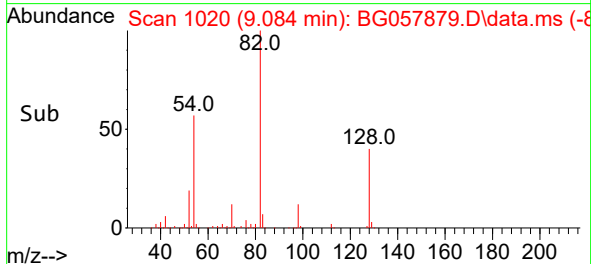
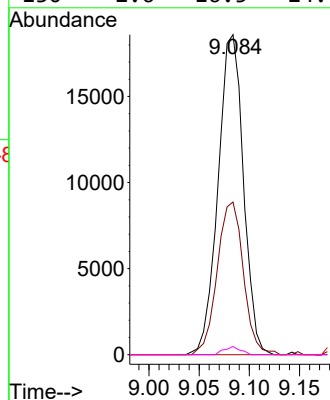
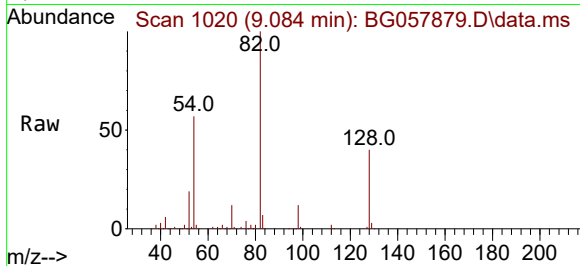




#19
n-Nitroso-di-n-propylamine
Concen: 17.206 ng
RT: 9.084 min Scan# 1020
Delta R.T. 0.353 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

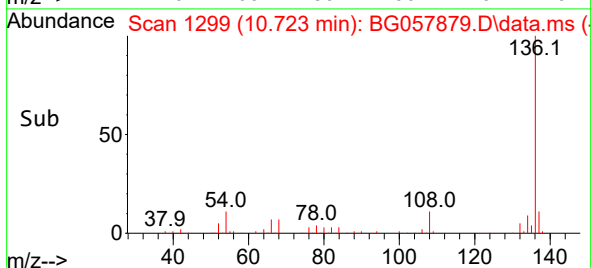
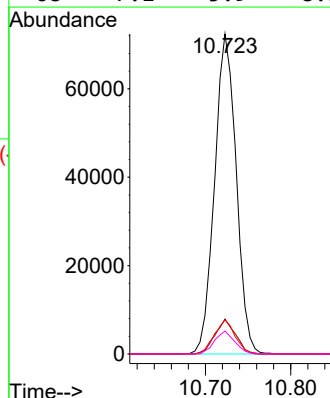
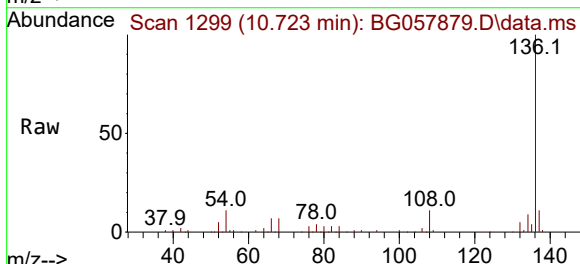
Instrument :
BNA_G
ClientSampleId :
MW-13

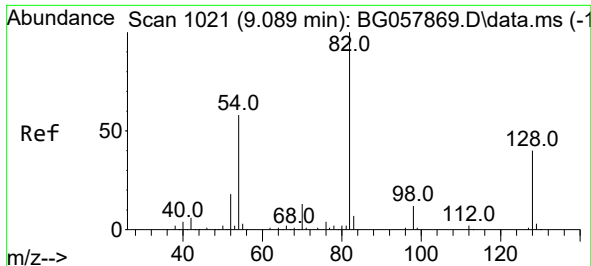
Tgt Ion: 70 Resp: 32604
Ion Ratio Lower Upper
70 100
42 47.7 48.4 72.6#
101 0.0 7.2 10.8#
130 2.6 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 1299
Delta R.T. -0.005 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

Tgt Ion:136 Resp: 127539
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.6 9.3 13.9
68 7.1 5.9 8.9





#23

Nitrobenzene-d5

Concen: 102.479 ng

RT: 9.084 min Scan# 1020

Delta R.T. -0.005 min

Lab File: BG057879.D

Acq: 27 Jun 2023 23:28

Instrument :

BNA_G

ClientSampleId :

MW-13

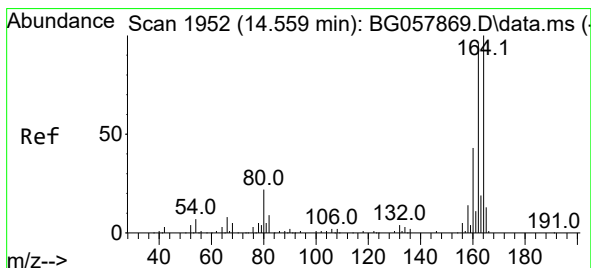
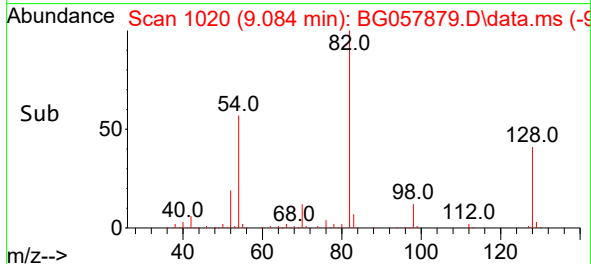
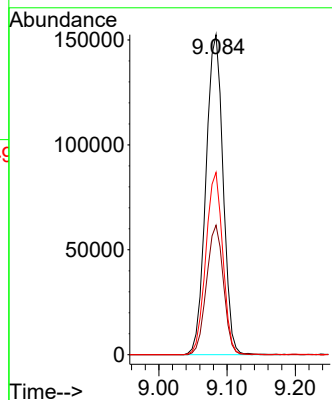
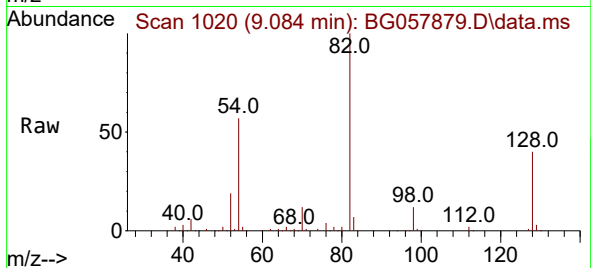
Tgt Ion: 82 Resp: 266693

Ion Ratio Lower Upper

82 100

128 40.5 32.2 48.4

54 56.9 46.1 69.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.005 min

Lab File: BG057879.D

Acq: 27 Jun 2023 23:28

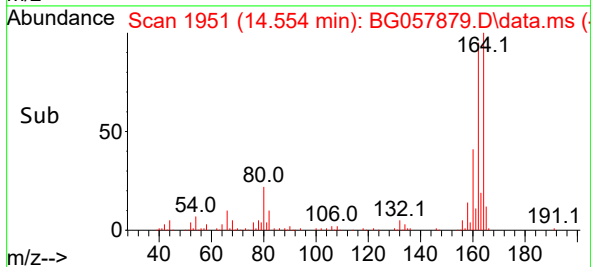
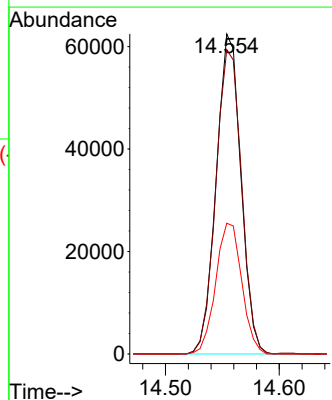
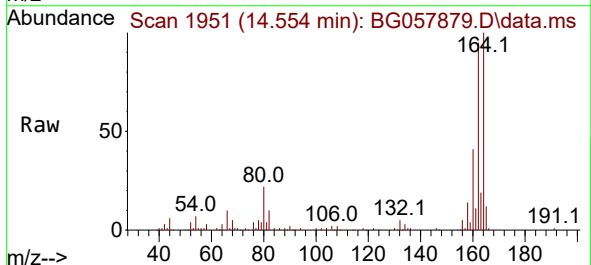
Tgt Ion:164 Resp: 94201

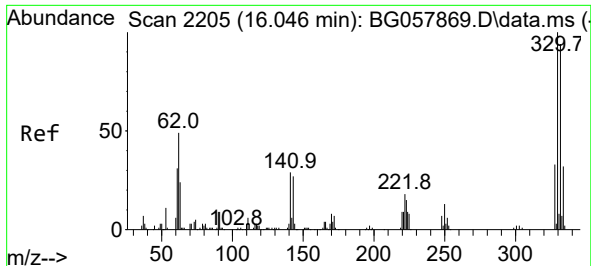
Ion Ratio Lower Upper

164 100

162 95.1 76.4 114.6

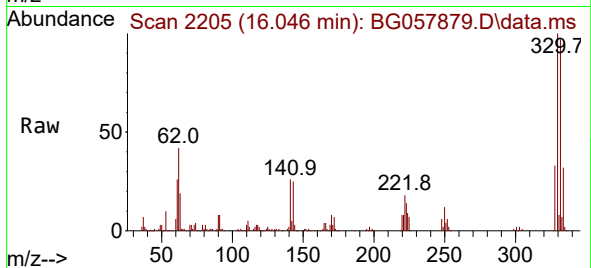
160 40.8 34.2 51.2



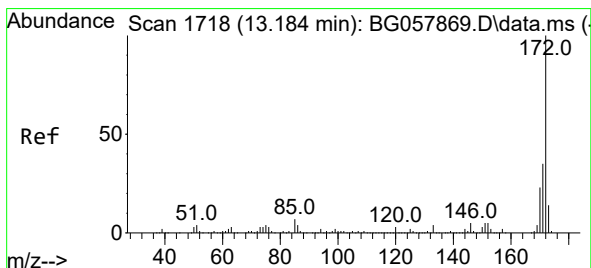
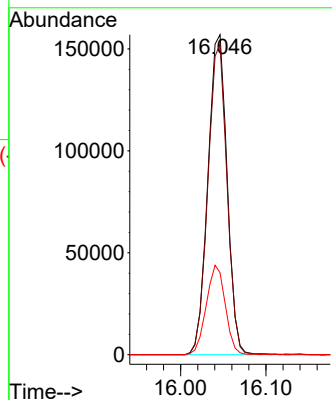
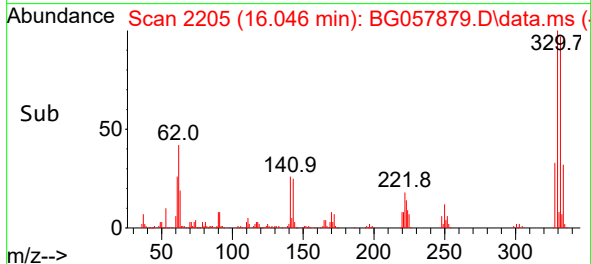


#42
2,4,6-Tribromophenol
Concen: 155.289 ng
RT: 16.046 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

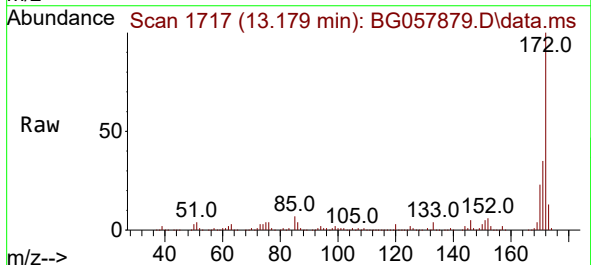
Instrument :
BNA_G
ClientSampleId :
MW-13



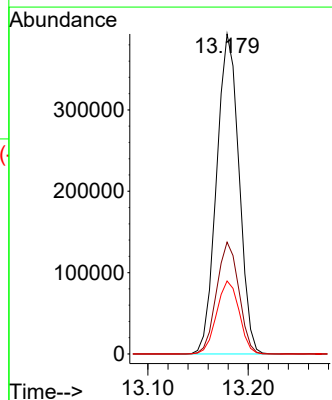
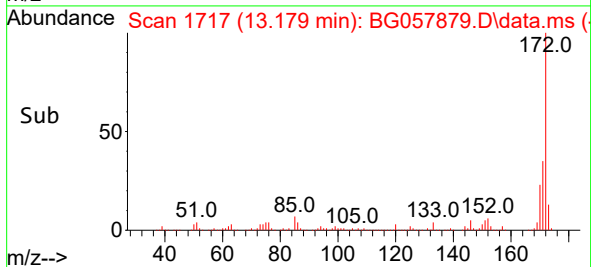
Tgt Ion:330 Resp: 245698
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 27.6 22.2 33.4

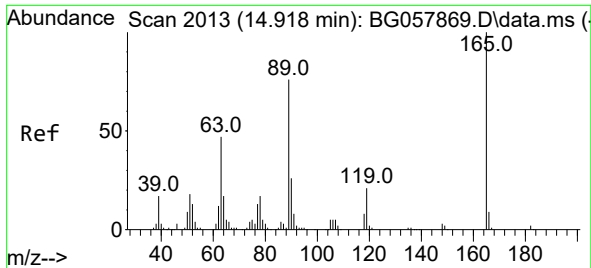


#45
2-Fluorobiphenyl
Concen: 98.821 ng
RT: 13.179 min Scan# 1717
Delta R.T. -0.005 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28



Tgt Ion:172 Resp: 610015
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 22.8 18.6 27.8





#57

2,4-Dinitrotoluene

Concen: 5.281 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.364 min

Lab File: BG057879.D

Acq: 27 Jun 2023 23:28

Instrument :

BNA_G

ClientSampleId :

MW-13

Tgt Ion:165 Resp: 11880

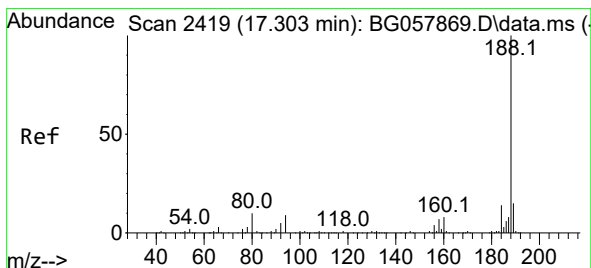
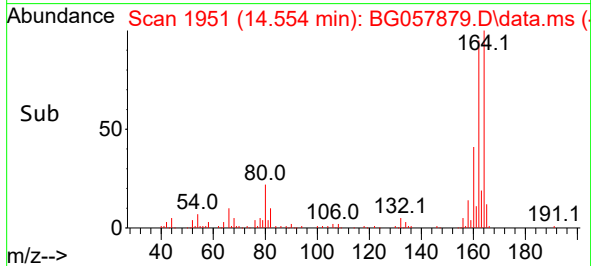
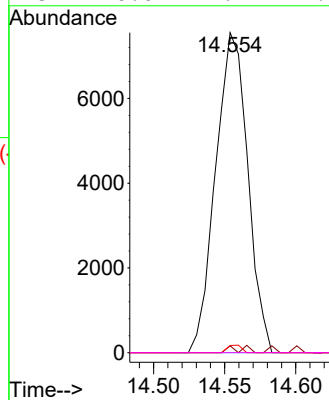
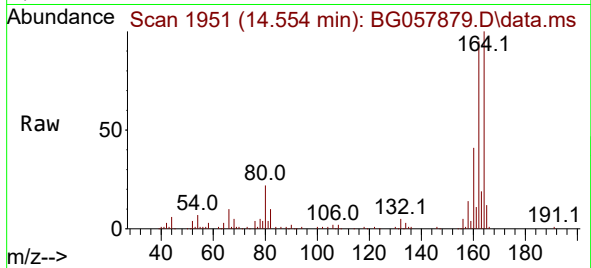
Ion Ratio Lower Upper

165 100

63 2.2 37.6 56.4#

89 2.3 61.0 91.4#

182 0.0 1.9 2.9#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2418

Delta R.T. -0.005 min

Lab File: BG057879.D

Acq: 27 Jun 2023 23:28

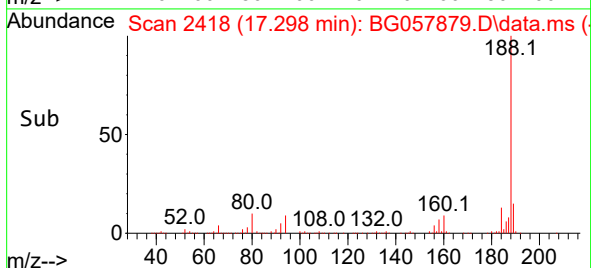
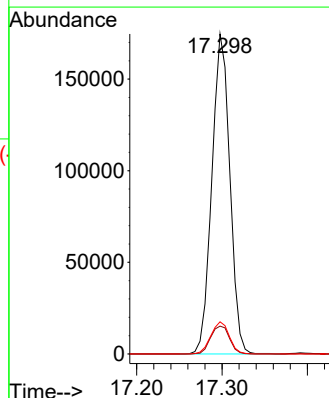
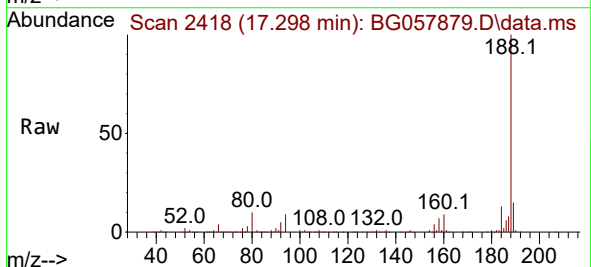
Tgt Ion:188 Resp: 255740

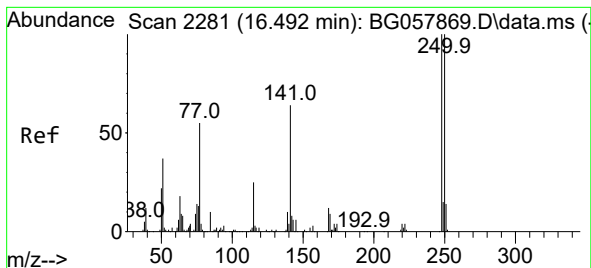
Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 10.1 8.4 12.6

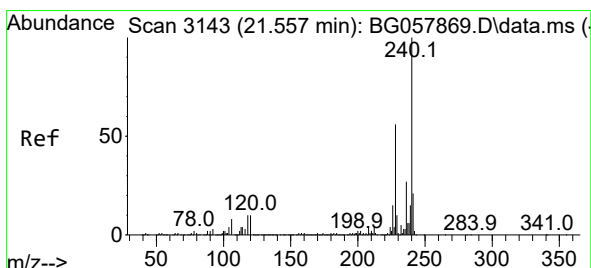
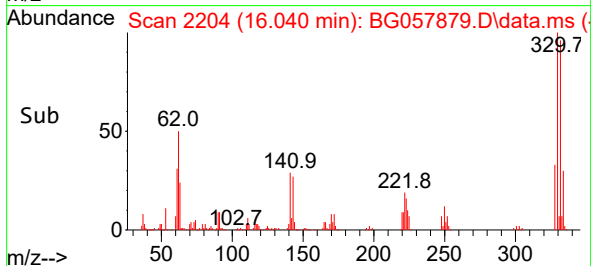
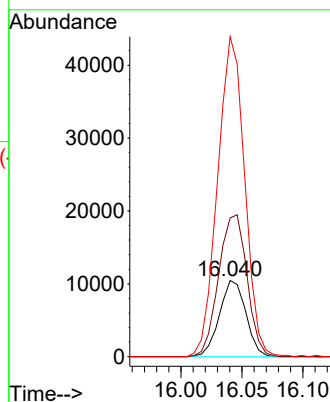
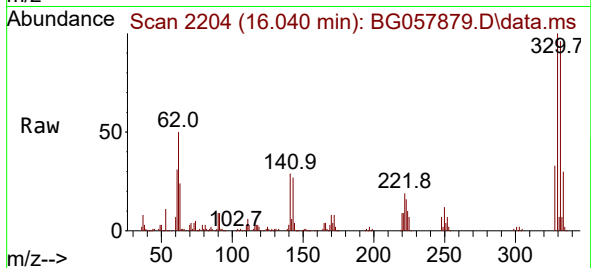




#67
4-Bromophenyl-phenylether
Concen: 5.852 ng
RT: 16.040 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

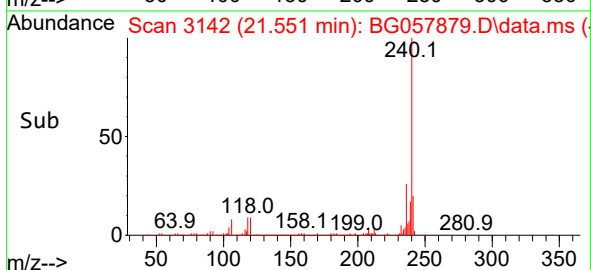
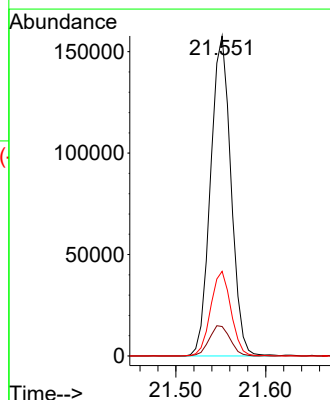
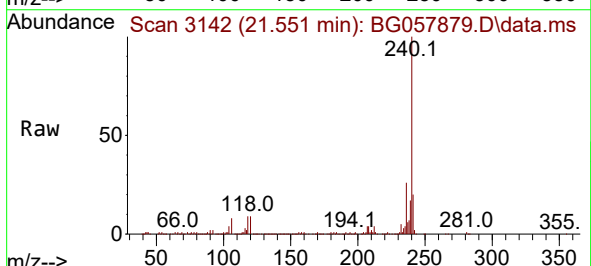
Instrument :
BNA_G
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MW-13

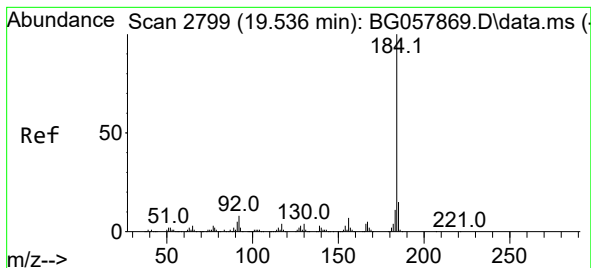
Tgt Ion:248 Resp: 15799
Ion Ratio Lower Upper
248 100
250 182.1 79.7 119.5#
141 420.2 50.8 76.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.551 min Scan# 3142
Delta R.T. -0.005 min
Lab File: BG057879.D
Acq: 27 Jun 2023 23:28

Tgt Ion:240 Resp: 248682
Ion Ratio Lower Upper
240 100
120 9.2 8.1 12.1
236 26.5 21.9 32.9





#77

Benzidine

Concen: 3.235 ng

RT: 19.918 min Scan# 21

Delta R.T. 0.382 min

Lab File: BG057879.D

Acq: 27 Jun 2023 23:28

Instrument :

BNA_G

ClientSampleId :

MW-13

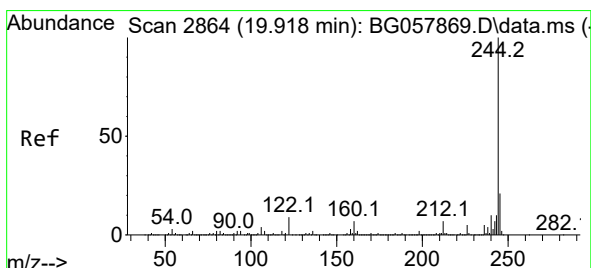
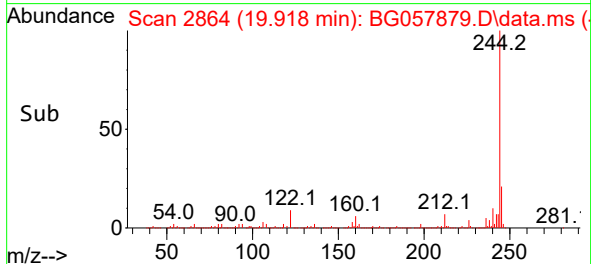
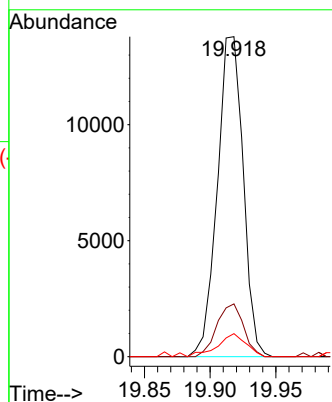
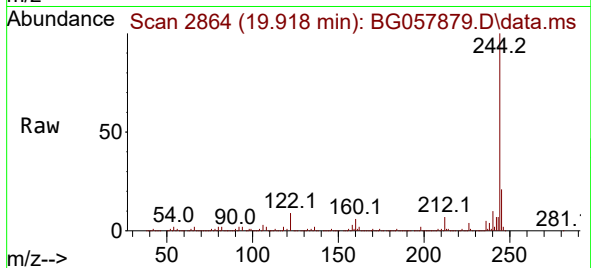
Tgt Ion:184 Resp: 18872

Ion Ratio Lower Upper

184 100

185 16.5 11.7 17.5

183 7.2 9.0 13.4#



#79

Terphenyl-d14

Concen: 104.044 ng

RT: 19.918 min Scan# 2864

Delta R.T. 0.001 min

Lab File: BG057879.D

Acq: 27 Jun 2023 23:28

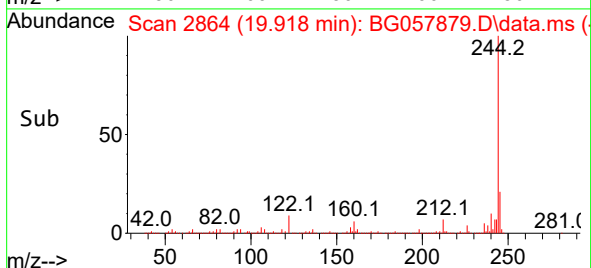
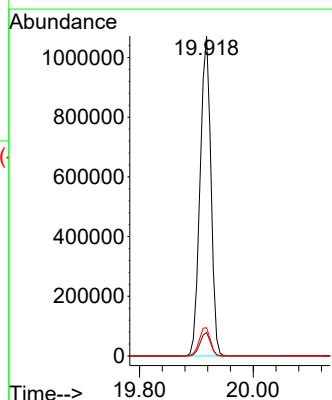
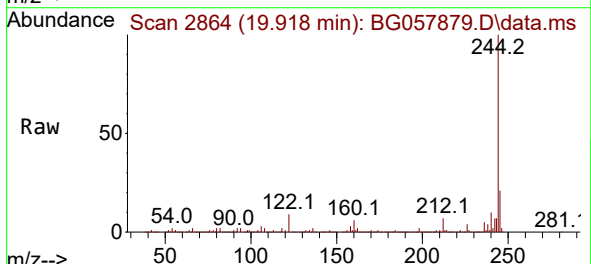
Tgt Ion:244 Resp: 1419226

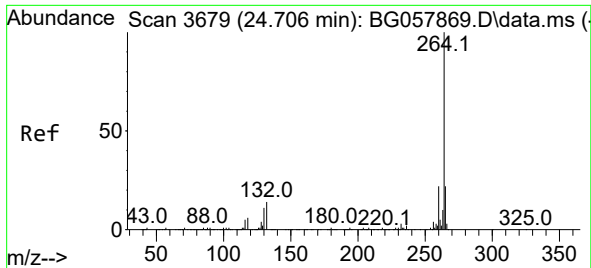
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 8.8 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.701 min Scan# 30
 Delta R.T. -0.005 min
 Lab File: BG057879.D
 Acq: 27 Jun 2023 23:28

Instrument :
 BNA_G
 ClientSampleId :
 MW-13

Tgt Ion:264 Resp: 290643
 Ion Ratio Lower Upper
 264 100
 260 22.4 17.8 26.8
 265 22.4 17.3 25.9

