

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082423\
 Data File : BG058845.D
 Acq On : 24 Aug 2023 19:23
 Operator : MA/JU
 Sample : 04091-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-H

Quant Time: Aug 25 02:58:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

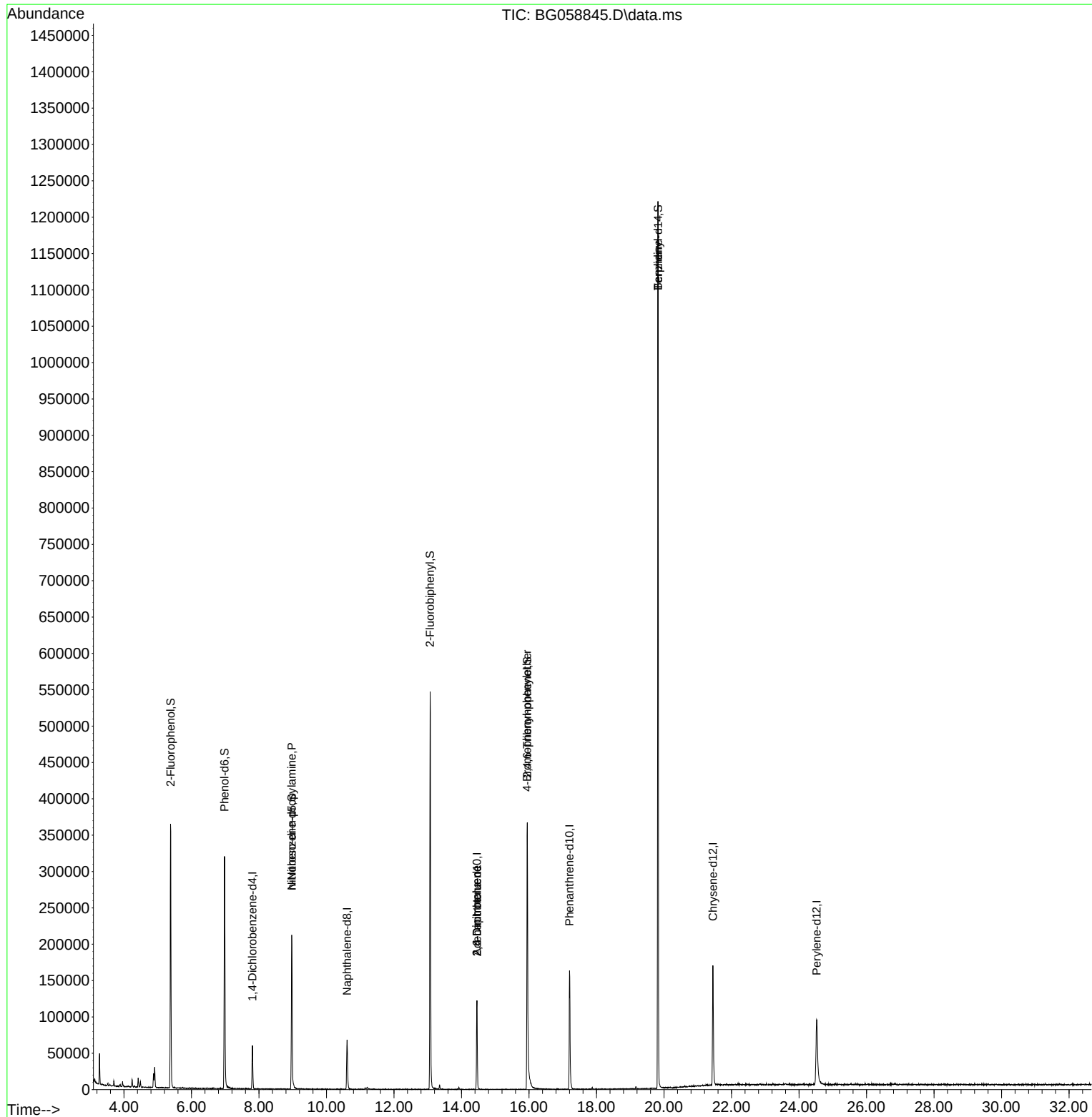
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.806	152	16342	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	69282	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	49721	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	130957	20.000	ng	0.00
76) Chrysene-d12	21.449	240	118664	20.000	ng	0.00
86) Perylene-d12	24.521	264	138357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	147416	145.166	ng	0.00
7) Phenol-d6	6.977	99	184877	129.760	ng	0.00
23) Nitrobenzene-d5	8.969	82	131404	91.187	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	103730	133.053	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	319132	93.354	ng	0.00
79) Terphenyl-d14	19.821	244	654179	98.989	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	8.969	70	17427	18.922	ng	# 76
51) 2,6-Dinitrotoluene	14.457	165	6339	7.838	ng	# 22
57) 2,4-Dinitrotoluene	14.457	165	6339	5.619	ng	# 19
67) 4-Bromophenyl-phenylether	15.943	248	6515	4.534	ng	# 1
77) Benzidine	19.821	184	9354	4.398	ng	# 85

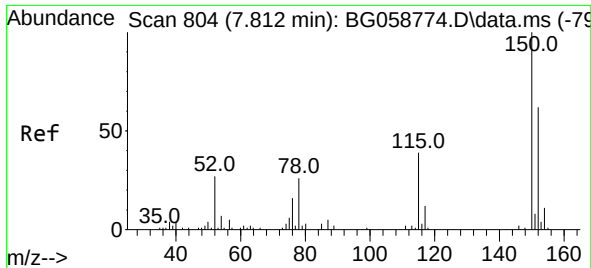
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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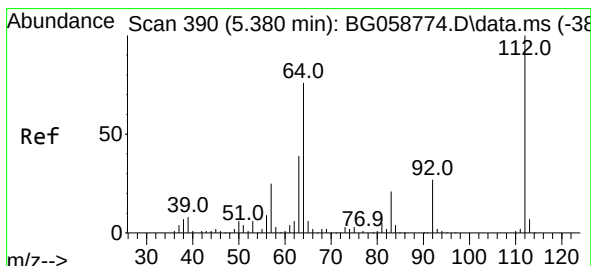
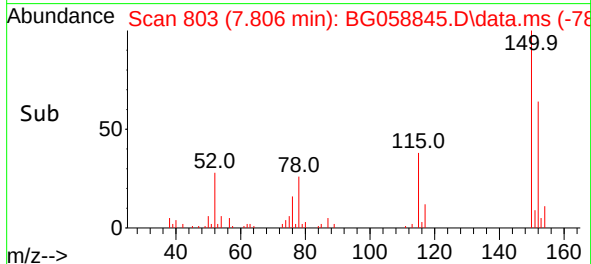
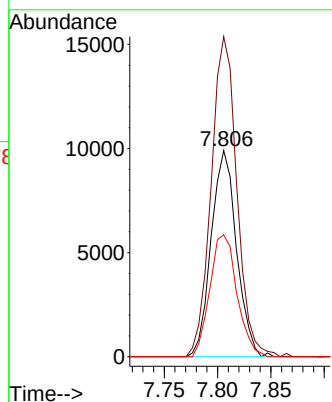
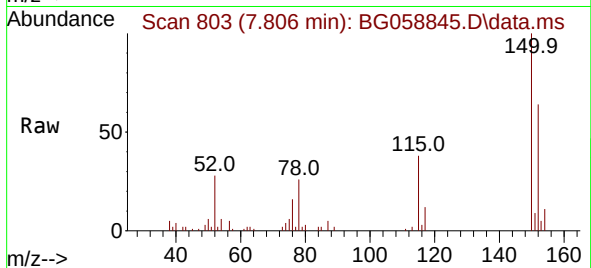




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.806 min Scan# 804
Delta R.T. -0.006 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

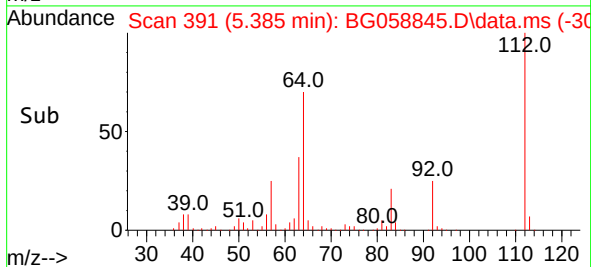
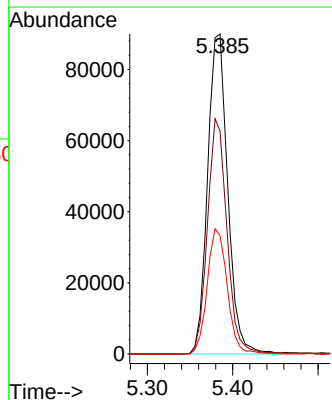
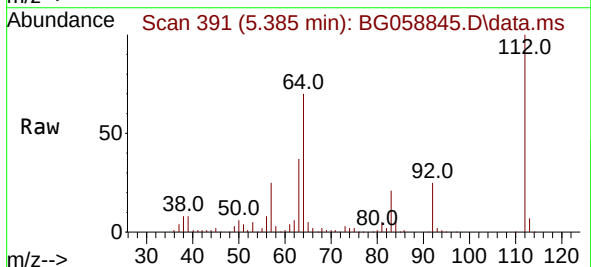
Instrument :
BNA_G
ClientSampleId :
TP-H

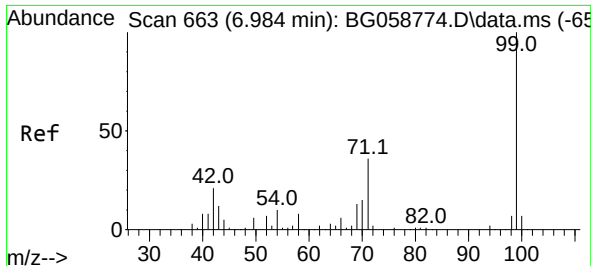
Tgt Ion:152 Resp: 16342
Ion Ratio Lower Upper
152 100
150 155.3 128.6 192.8
115 59.1 50.4 75.6



#5
2-Fluorophenol
Concen: 145.166 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.005 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

Tgt Ion:112 Resp: 147416
Ion Ratio Lower Upper
112 100
64 69.7 60.6 90.8
63 37.0 31.0 46.4

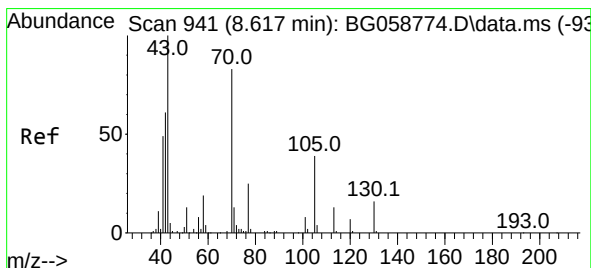
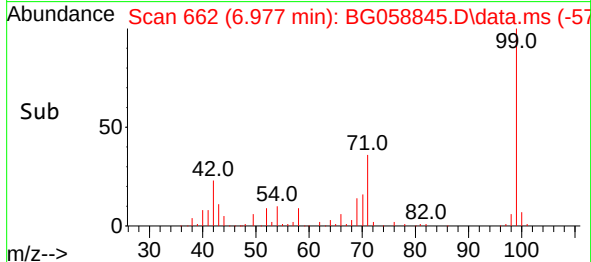
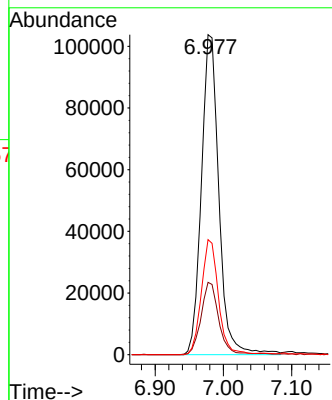
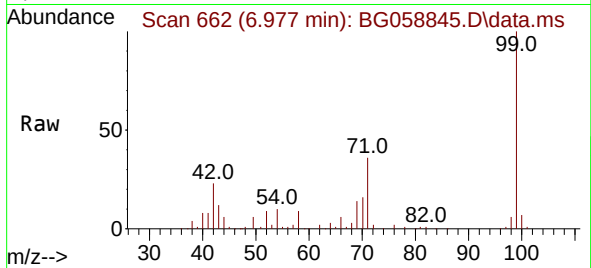




#7
Phenol-d6
Concen: 129.760 ng
RT: 6.977 min Scan# 60
Delta R.T. -0.007 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

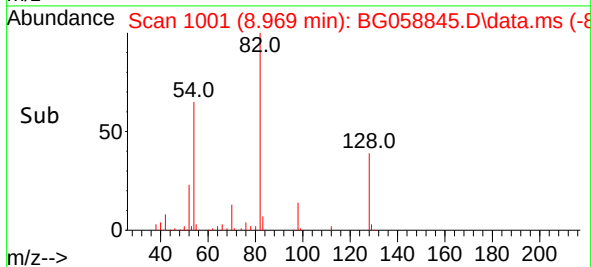
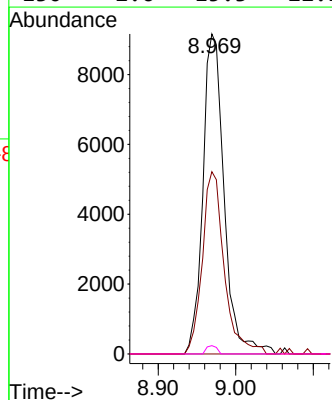
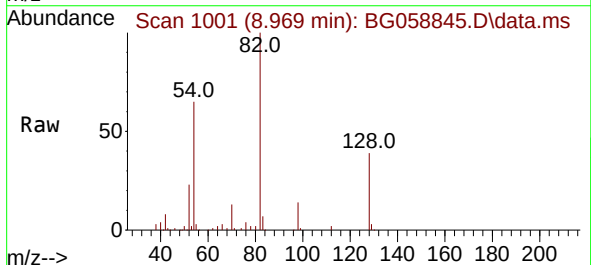
Instrument :
BNA_G
ClientSampleId :
TP-H

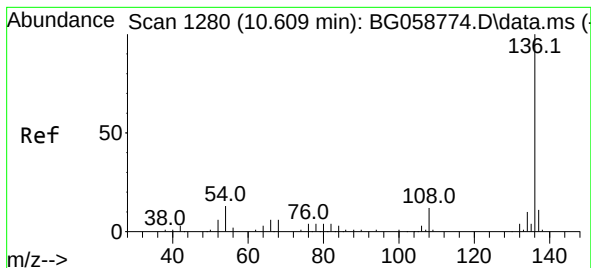
Tgt Ion: 99 Resp: 184877
Ion Ratio Lower Upper
99 100
42 22.6 16.5 24.7
71 36.0 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 18.922 ng
RT: 8.969 min Scan# 1001
Delta R.T. 0.352 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

Tgt Ion: 70 Resp: 17427
Ion Ratio Lower Upper
70 100
42 56.9 59.2 88.8#
101 0.0 8.2 12.2#
130 2.6 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.608 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG058845.D

Acq: 24 Aug 2023 19:23

Instrument :

BNA_G

ClientSampleId :

TP-H

Tgt Ion:136 Resp: 69282

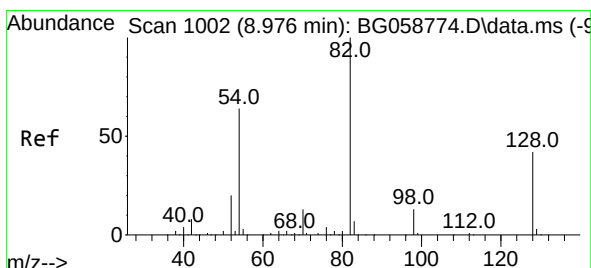
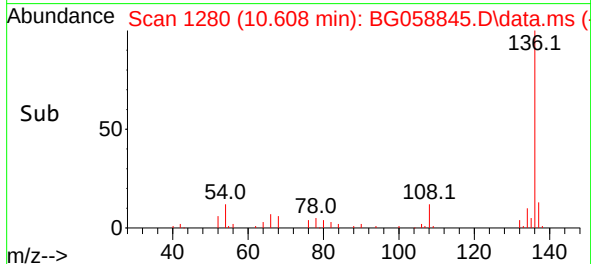
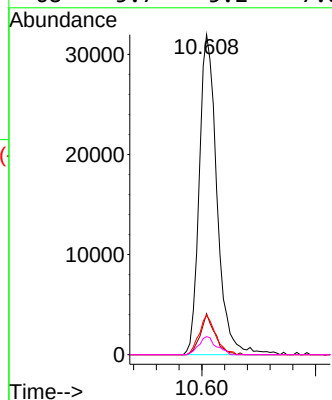
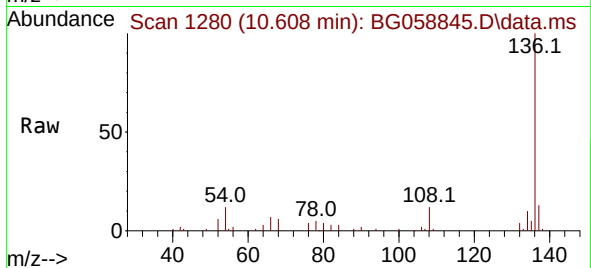
Ion Ratio Lower Upper

136 100

137 12.8 8.7 13.1

54 12.3 10.1 15.1

68 5.7 5.2 7.8



#23

Nitrobenzene-d5

Concen: 91.187 ng

RT: 8.969 min Scan# 1001

Delta R.T. -0.007 min

Lab File: BG058845.D

Acq: 24 Aug 2023 19:23

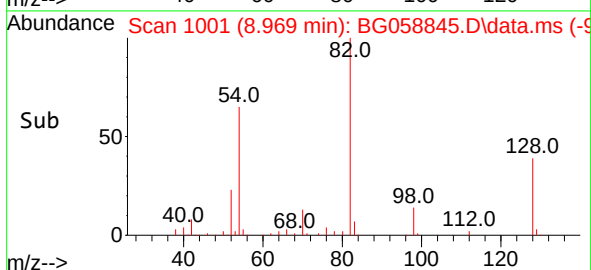
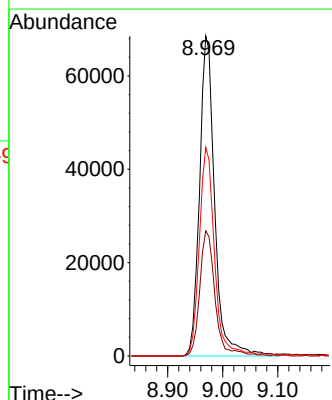
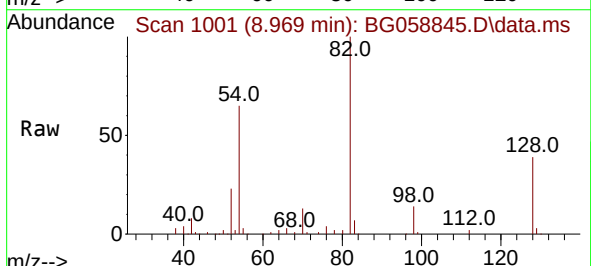
Tgt Ion: 82 Resp: 131404

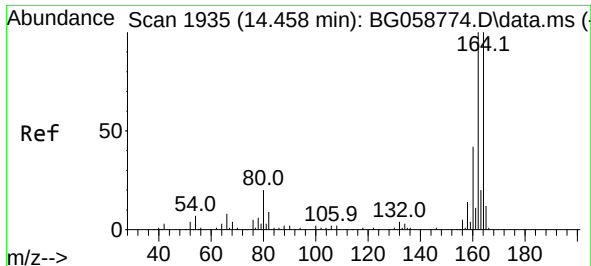
Ion Ratio Lower Upper

82 100

128 39.1 33.2 49.8

54 65.1 51.2 76.8

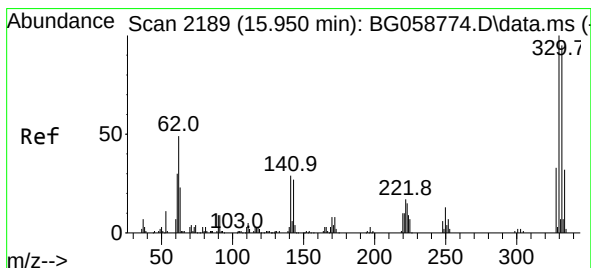
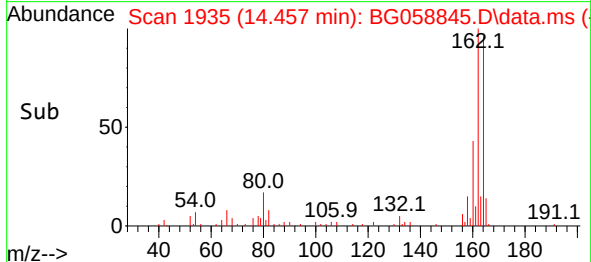
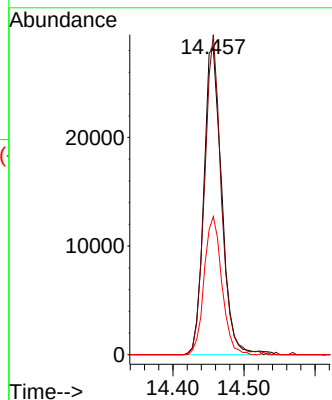
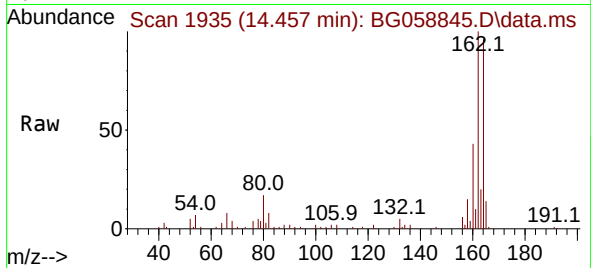




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.001 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

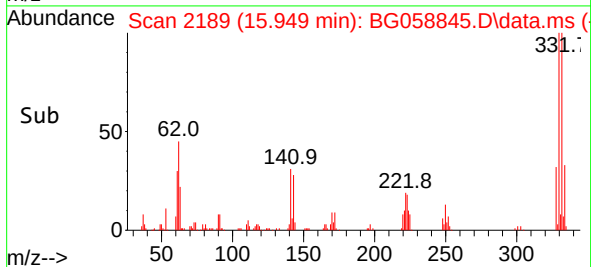
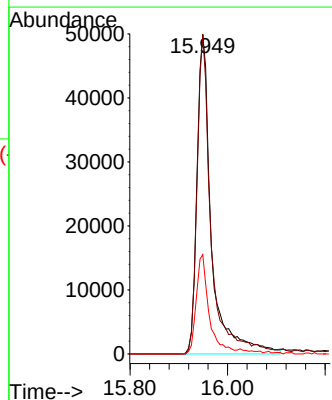
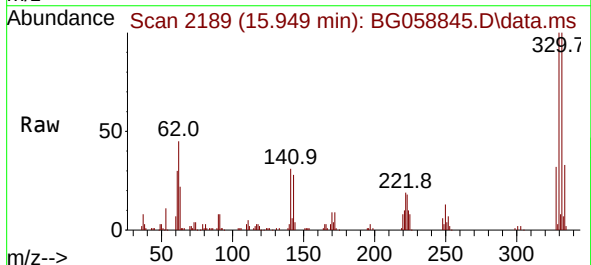
Instrument :
BNA_G
ClientSampleId :
TP-H

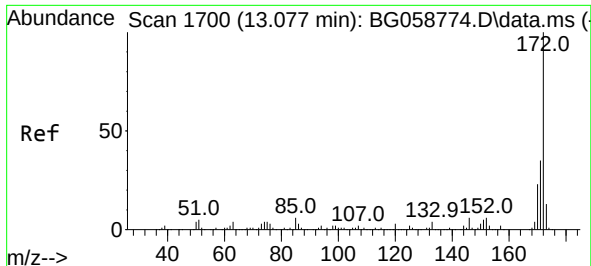
Tgt Ion:164 Resp: 49721
Ion Ratio Lower Upper
164 100
162 104.5 79.6 119.4
160 45.1 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 133.053 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.001 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

Tgt Ion:330 Resp: 103730
Ion Ratio Lower Upper
330 100
332 96.7 78.5 117.7
141 27.6 23.0 34.6

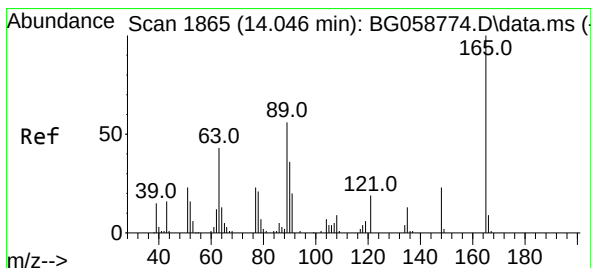
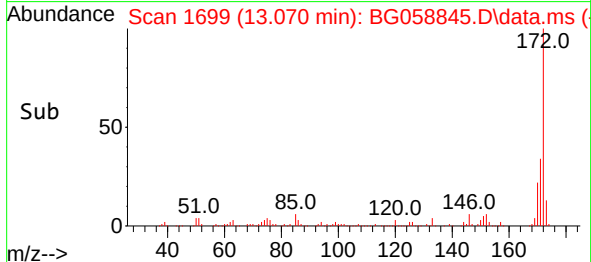
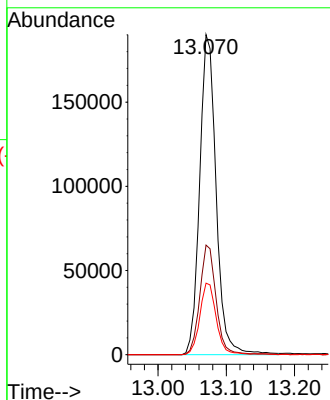
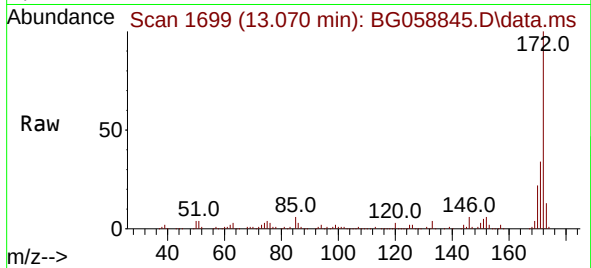




#45
2-Fluorobiphenyl
Concen: 93.354 ng
RT: 13.070 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

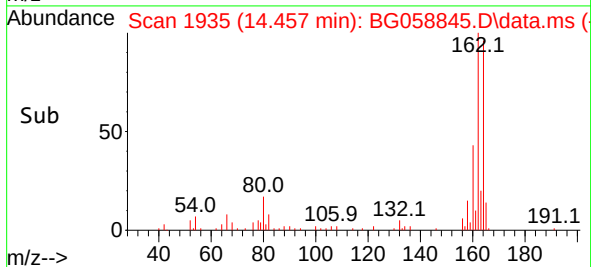
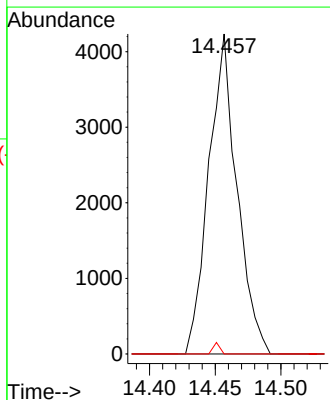
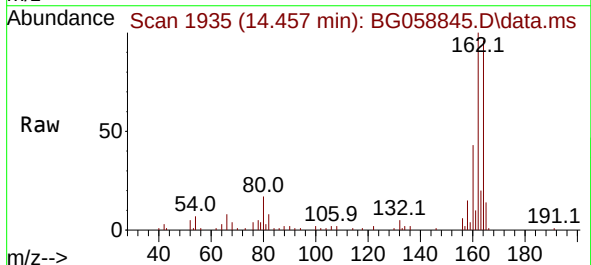
Instrument :
BNA_G
ClientSampleId :
TP-H

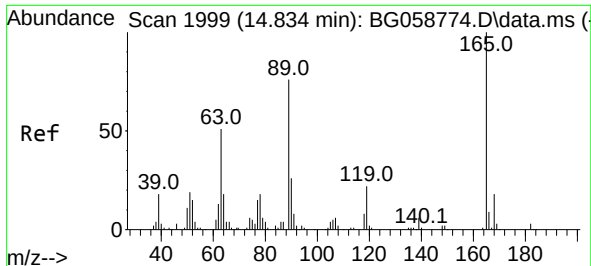
Tgt Ion:172 Resp: 319132
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 22.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.838 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.411 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

Tgt Ion:165 Resp: 6339
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.619 ng

RT: 14.457 min Scan# 1999

Delta R.T. -0.377 min

Lab File: BG058845.D

Acq: 24 Aug 2023 19:23

Instrument :

BNA_G

ClientSampleId :

TP-H

Tgt Ion:165 Resp: 6339

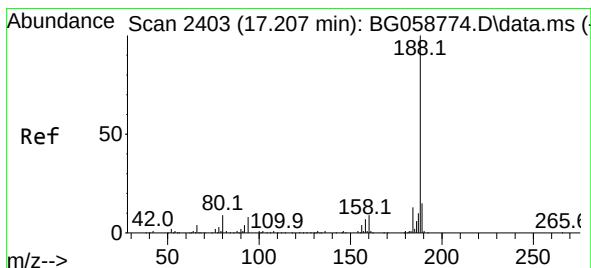
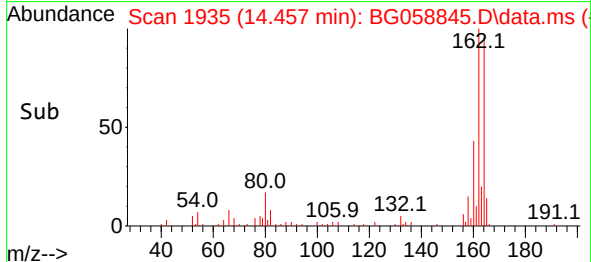
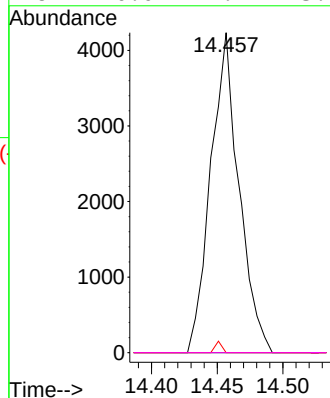
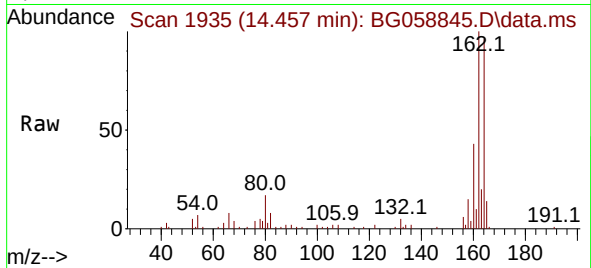
Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.6#

89 0.0 60.7 91.1#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2402

Delta R.T. -0.007 min

Lab File: BG058845.D

Acq: 24 Aug 2023 19:23

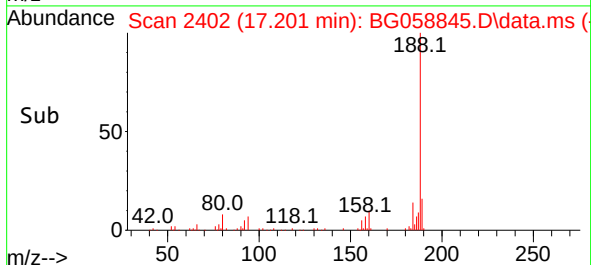
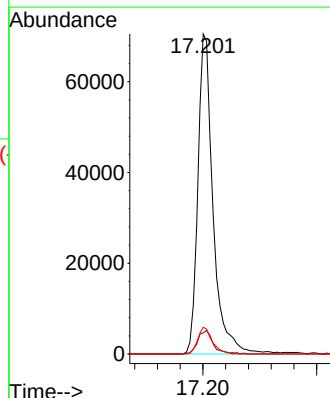
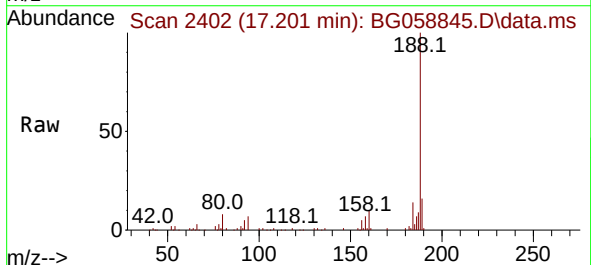
Tgt Ion:188 Resp: 130957

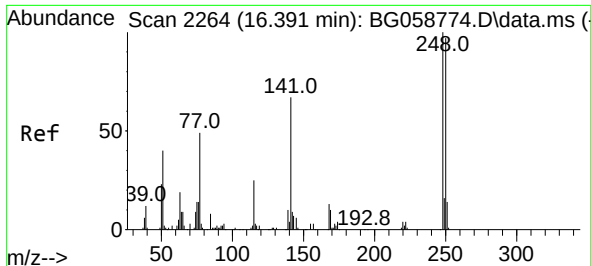
Ion Ratio Lower Upper

188 100

94 6.6 6.1 9.1

80 8.4 6.9 10.3

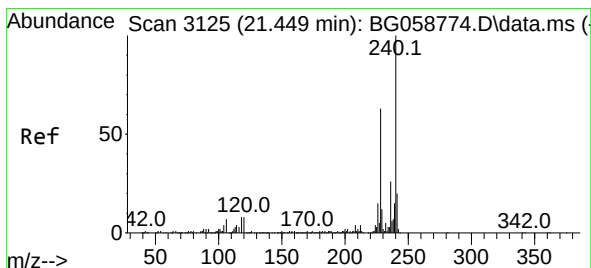
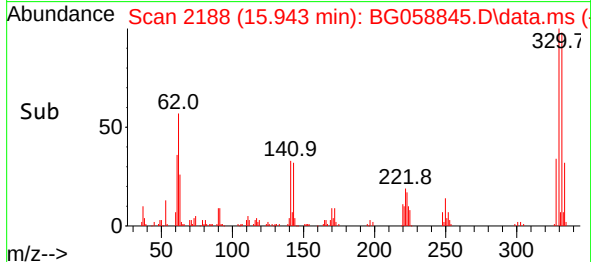
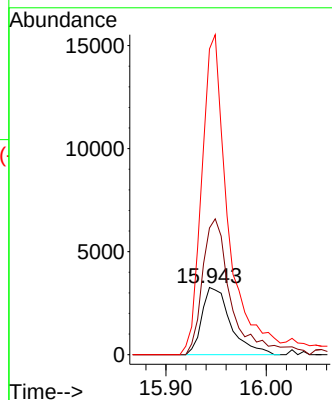
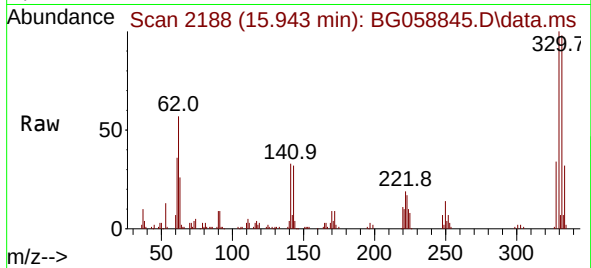




#67
4-Bromophenyl-phenylether
Concen: 4.534 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.448 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

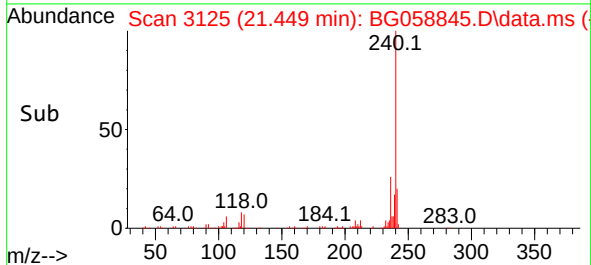
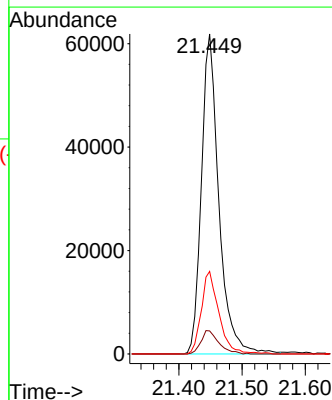
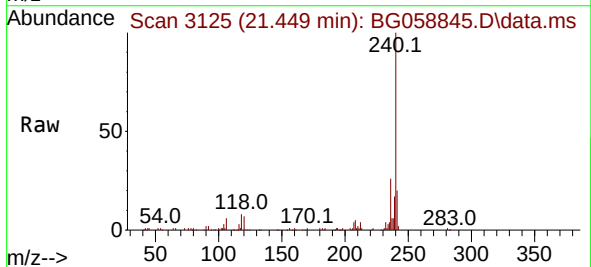
Instrument :
BNA_G
ClientSampleId :
TP-H

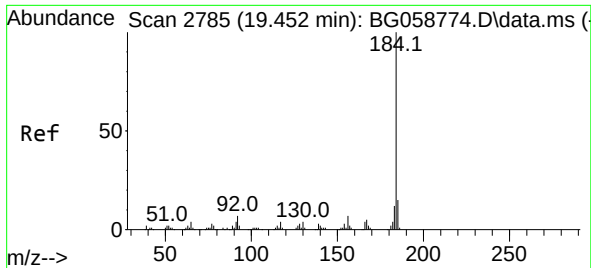
Tgt Ion:248 Resp: 6515
Ion Ratio Lower Upper
248 100
250 188.7 77.7 116.5#
141 455.5 53.6 80.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. -0.001 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

Tgt Ion:240 Resp: 118664
Ion Ratio Lower Upper
240 100
120 7.2 6.2 9.2
236 25.8 20.5 30.7

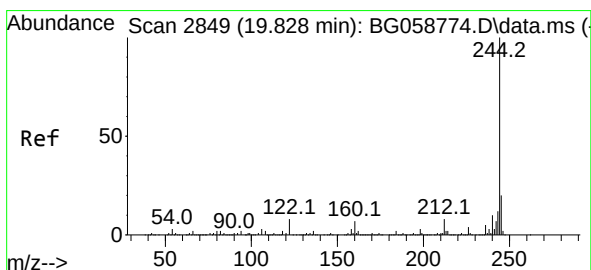
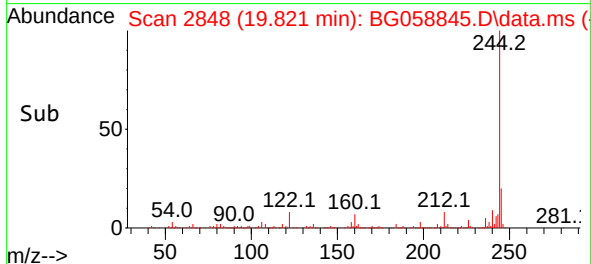
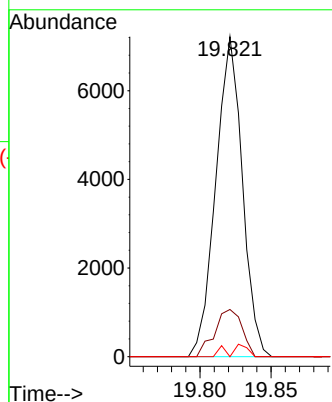
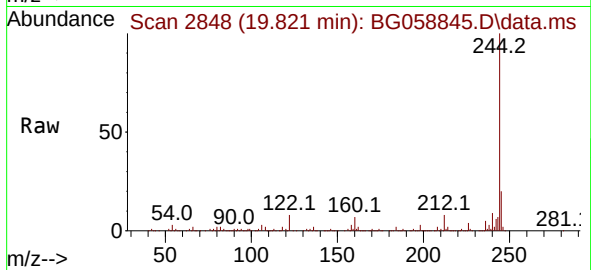




#77
Benzidine
Concen: 4.398 ng
RT: 19.821 min Scan# 2848
Delta R.T. 0.369 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

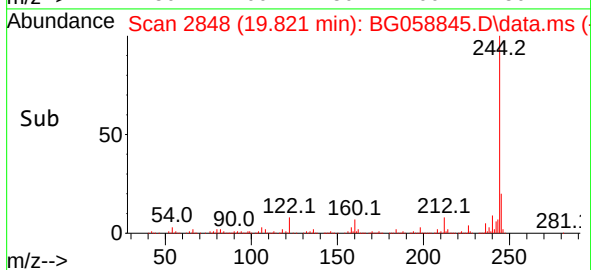
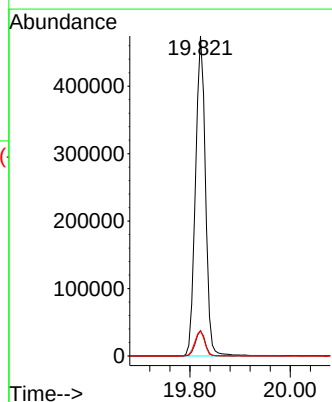
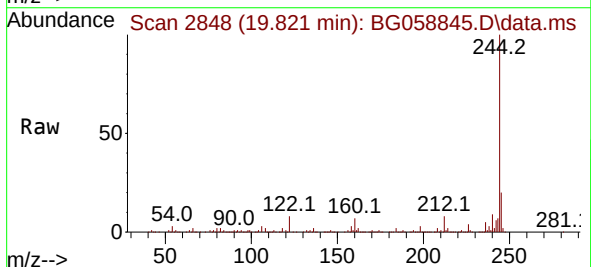
Instrument :
BNA_G
ClientSampleId :
TP-H

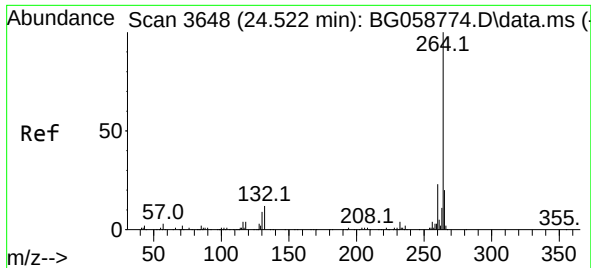
Tgt Ion:184 Resp: 9354
Ion Ratio Lower Upper
184 100
185 14.8 11.9 17.9
183 0.0 10.0 15.0#



#79
Terphenyl-d14
Concen: 98.989 ng
RT: 19.821 min Scan# 2848
Delta R.T. -0.007 min
Lab File: BG058845.D
Acq: 24 Aug 2023 19:23

Tgt Ion:244 Resp: 654179
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 8.0 6.3 9.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.521 min Scan# 30
 Delta R.T. -0.001 min
 Lab File: BG058845.D
 Acq: 24 Aug 2023 19:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-H

Tgt Ion:264 Resp: 138357
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.2
 265 21.9 16.4 24.6

