

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082423\
 Data File : BG058842.D
 Acq On : 24 Aug 2023 17:19
 Operator : MA/JU
 Sample : 04091-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-B

Quant Time: Aug 25 02:57:58 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)

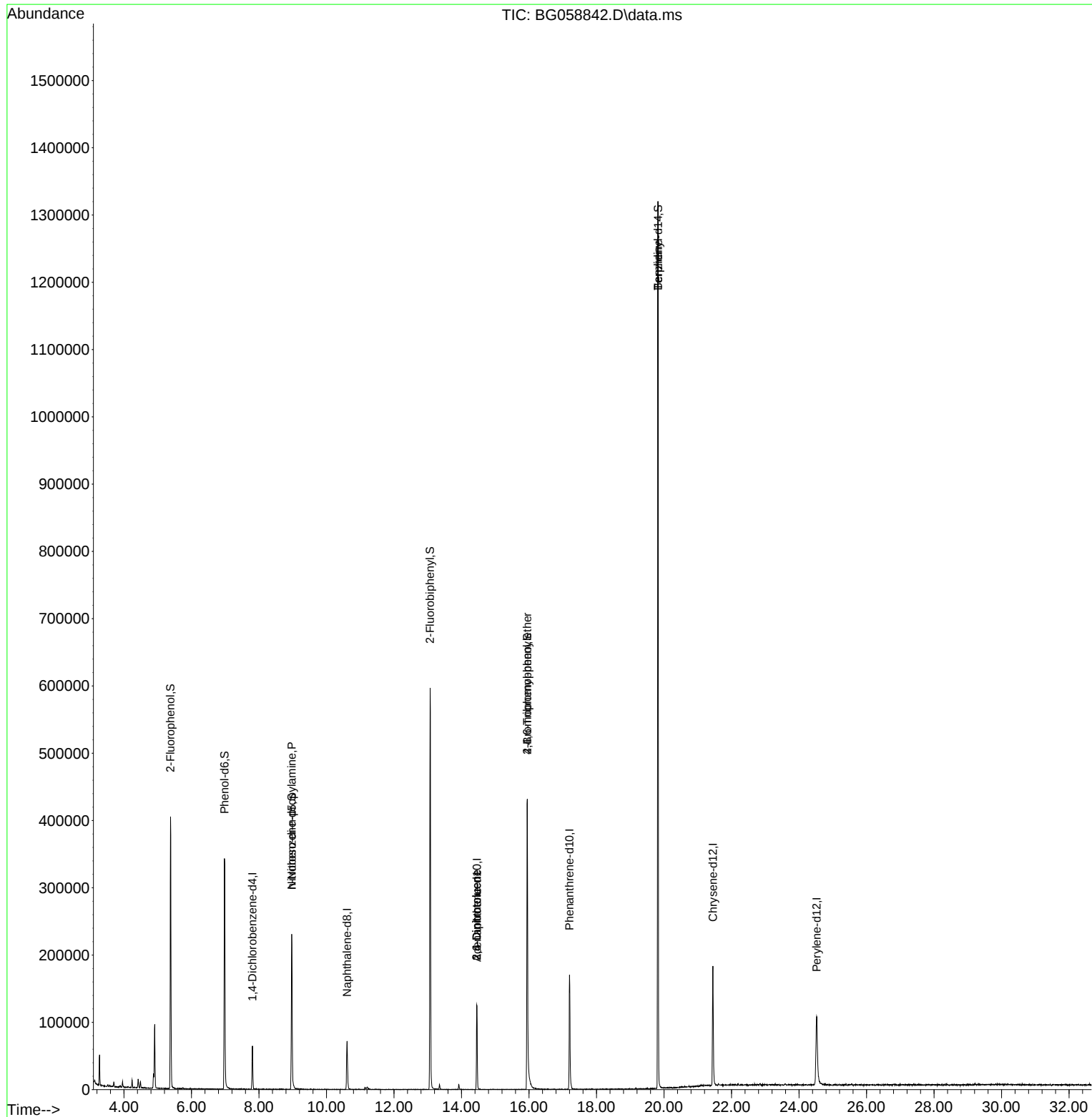
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.806	152	17356	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	71175	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	51465	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	135115	20.000	ng	0.00
76) Chrysene-d12	21.449	240	124544	20.000	ng	0.00
86) Perylene-d12	24.522	264	146474	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.380	112	162506	150.676	ng	0.00
7) Phenol-d6	6.978	99	197221	130.337	ng	0.00
23) Nitrobenzene-d5	8.970	82	145573	98.332	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	118029	146.264	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	347226	98.130	ng	0.00
79) Terphenyl-d14	19.822	244	714069	102.950	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.970	70	18010	18.413	ng	# 77
51) 2,6-Dinitrotoluene	14.452	165	6404	7.650	ng	# 22
57) 2,4-Dinitrotoluene	14.452	165	6404	5.485	ng	# 19
67) 4-Bromophenyl-phenylether	15.950	248	6628	4.470	ng	# 1
77) Benzidine	19.822	184	10235	4.585	ng	# 87

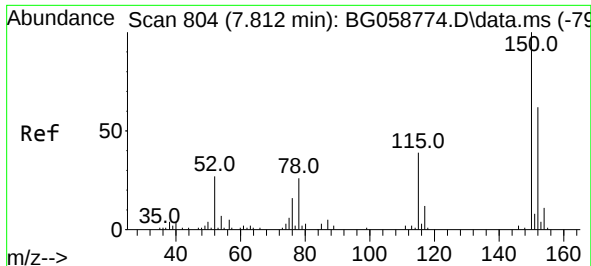
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 25 02:57:58 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

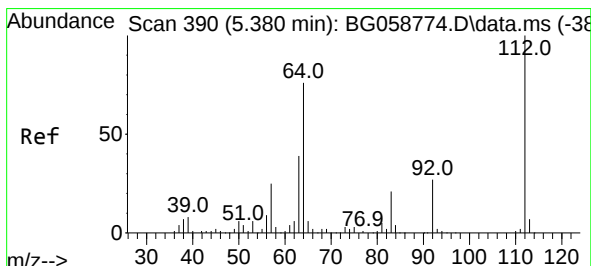
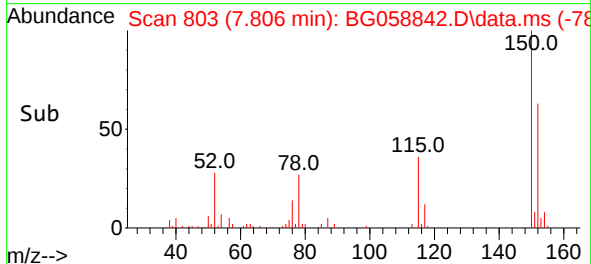
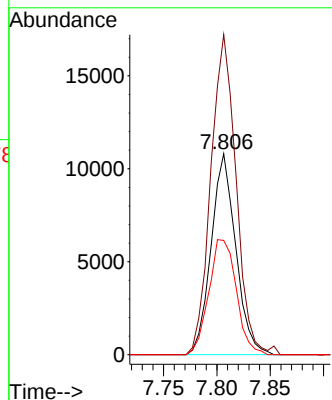
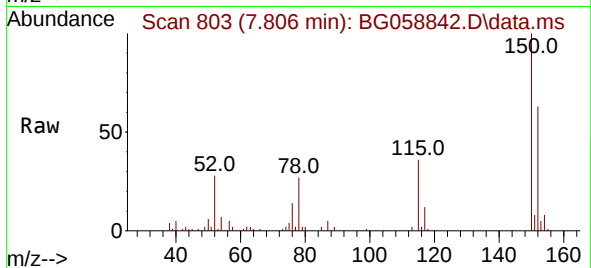




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.806 min Scan# 804
Delta R.T. -0.006 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

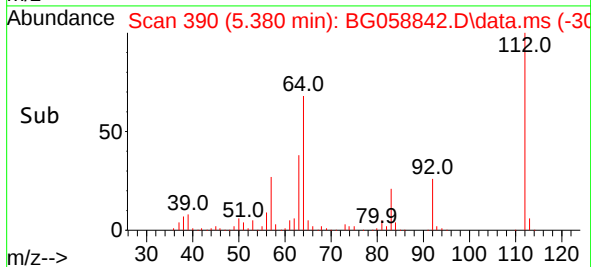
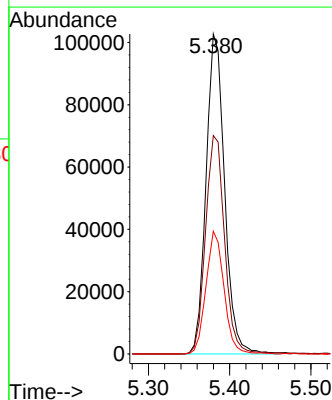
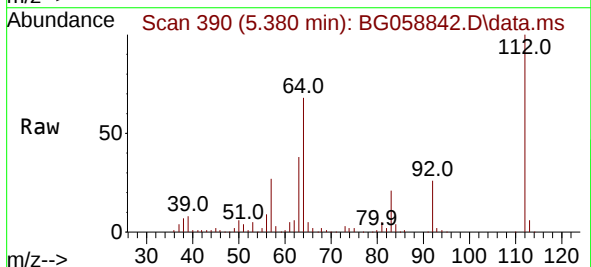
Instrument :
BNA_G
ClientSampleId :
TP-B

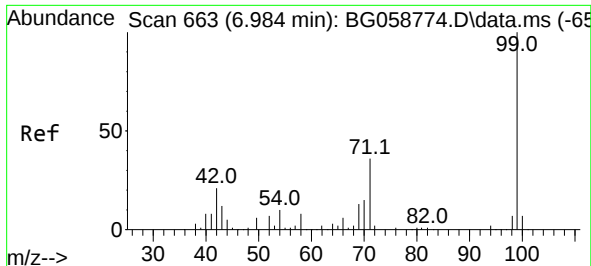
Tgt Ion:152 Resp: 17356
Ion Ratio Lower Upper
152 100
150 159.2 128.6 192.8
115 56.8 50.4 75.6



#5
2-Fluorophenol
Concen: 150.676 ng
RT: 5.380 min Scan# 390
Delta R.T. -0.000 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

Tgt Ion:112 Resp: 162506
Ion Ratio Lower Upper
112 100
64 68.3 60.6 90.8
63 38.4 31.0 46.4

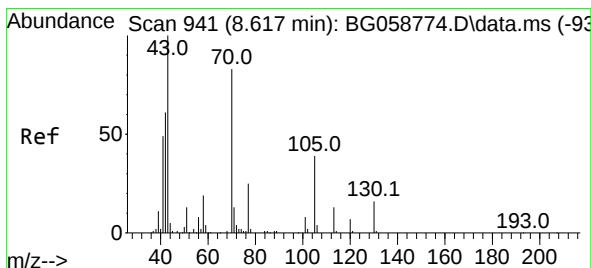
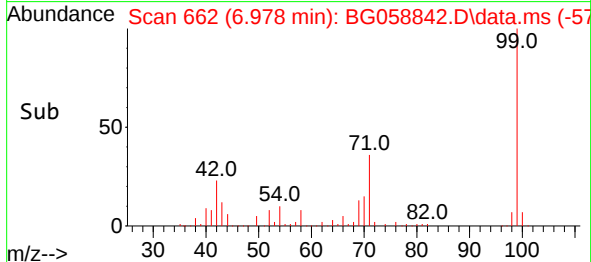
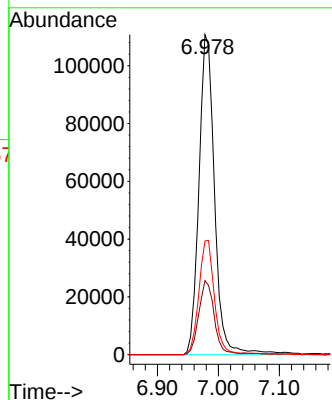
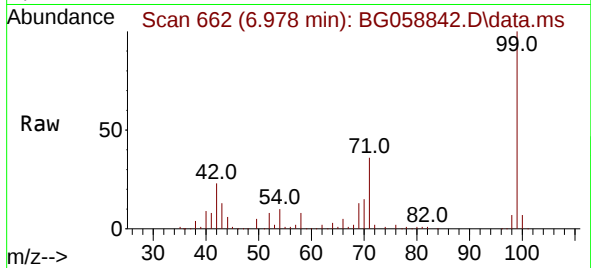




#7
Phenol-d6
Concen: 130.337 ng
RT: 6.978 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

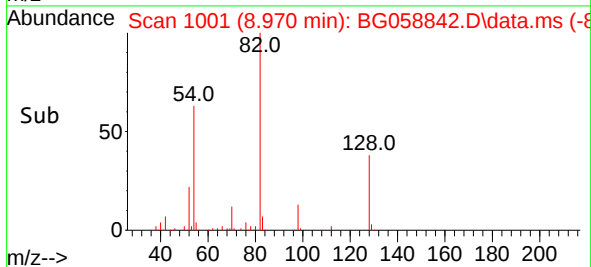
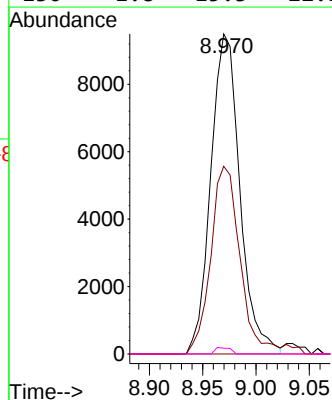
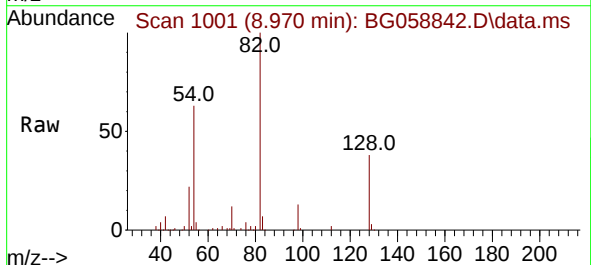
Instrument :
BNA_G
ClientSampleId :
TP-B

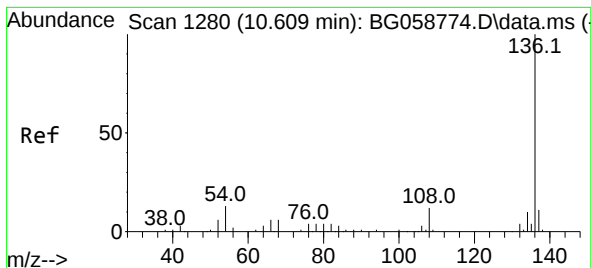
Tgt Ion: 99 Resp: 197221
Ion Ratio Lower Upper
99 100
42 23.2 16.5 24.7
71 35.6 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 18.413 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.352 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

Tgt Ion: 70 Resp: 18010
Ion Ratio Lower Upper
70 100
42 58.7 59.2 88.8#
101 0.0 8.2 12.2#
130 1.8 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.609 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG058842.D

Acq: 24 Aug 2023 17:19

Instrument :

BNA_G

ClientSampleId :

TP-B

Tgt Ion:136 Resp: 71175

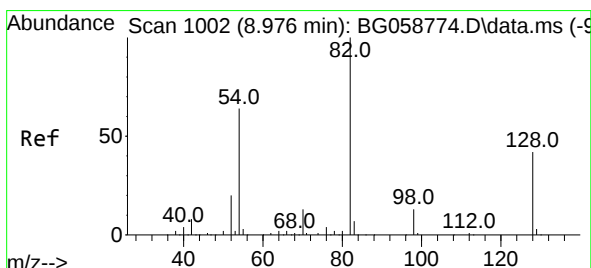
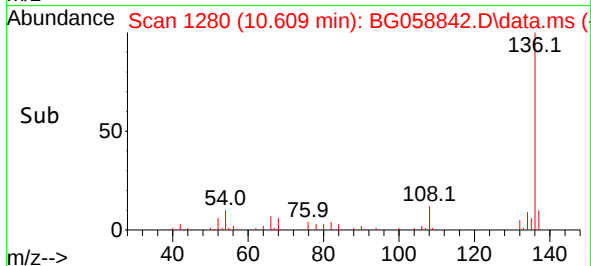
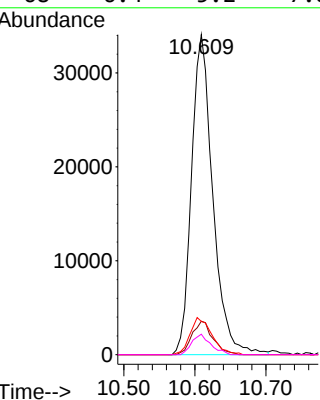
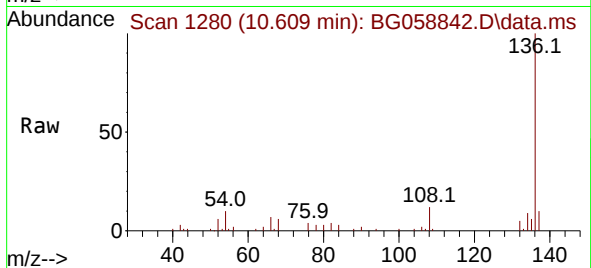
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 10.4 10.1 15.1

68 6.4 5.2 7.8



#23

Nitrobenzene-d5

Concen: 98.332 ng

RT: 8.970 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BG058842.D

Acq: 24 Aug 2023 17:19

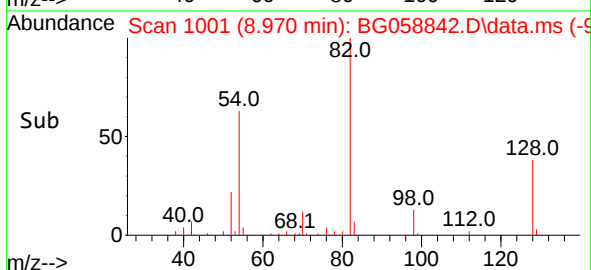
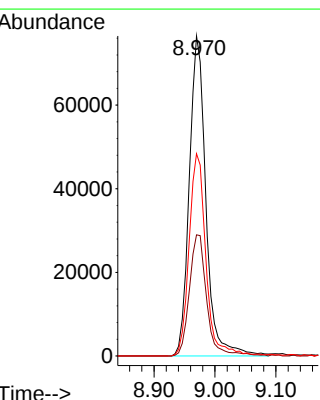
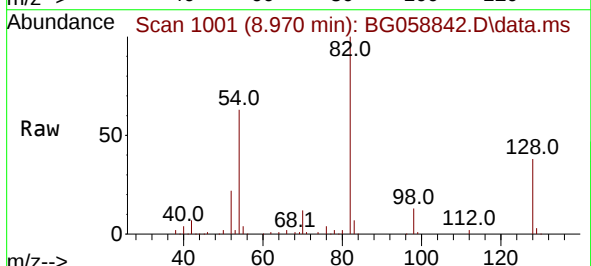
Tgt Ion: 82 Resp: 145573

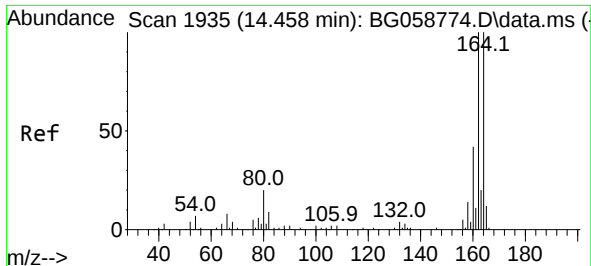
Ion Ratio Lower Upper

82 100

128 37.9 33.2 49.8

54 63.2 51.2 76.8

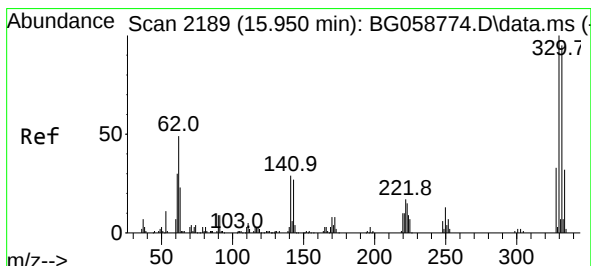
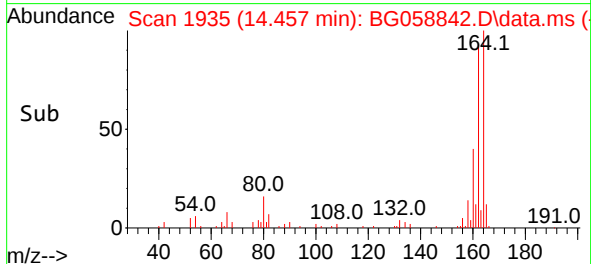
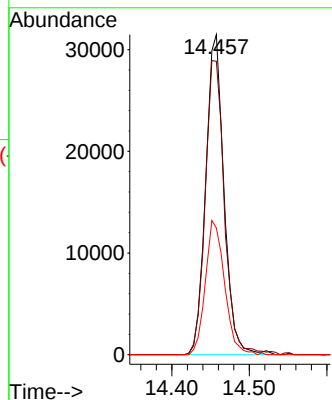
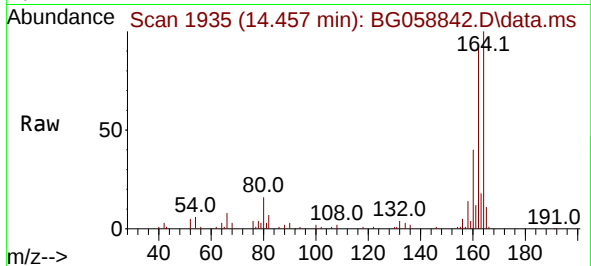




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

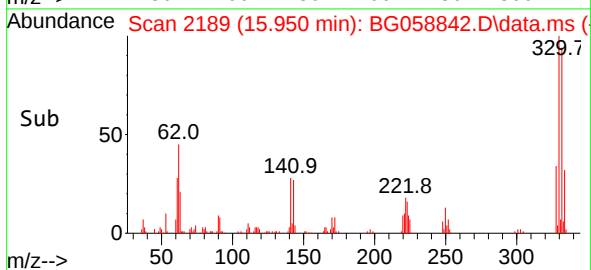
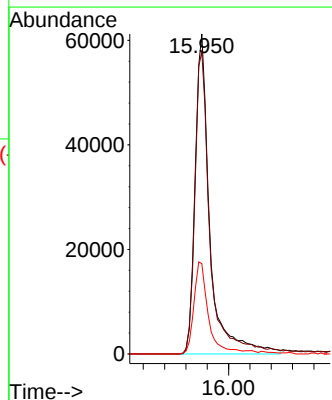
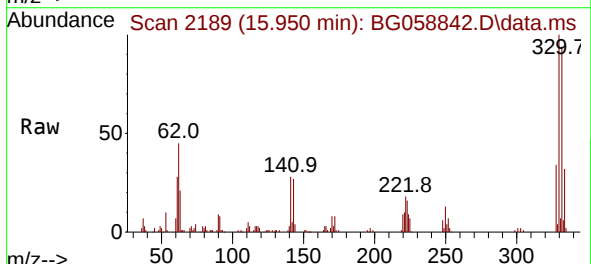
Instrument :
BNA_G
ClientSampleId :
TP-B

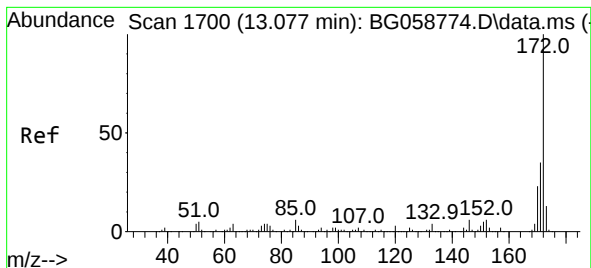
Tgt Ion:164 Resp: 51465
Ion Ratio Lower Upper
164 100
162 91.7 79.6 119.4
160 39.6 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 146.264 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.000 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

Tgt Ion:330 Resp: 118029
Ion Ratio Lower Upper
330 100
332 95.0 78.5 117.7
141 28.0 23.0 34.6

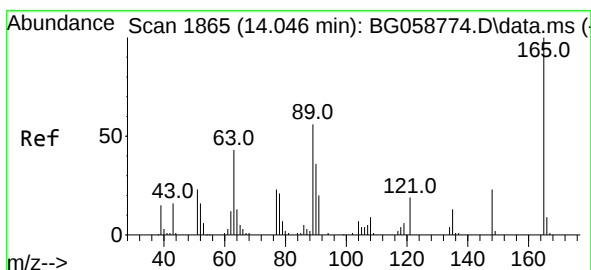
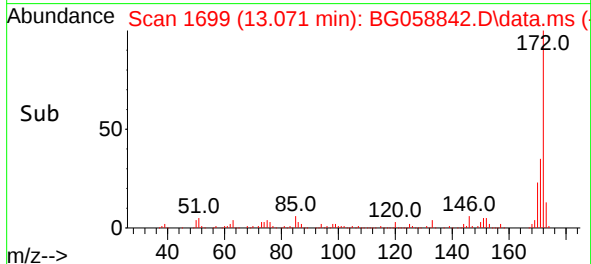
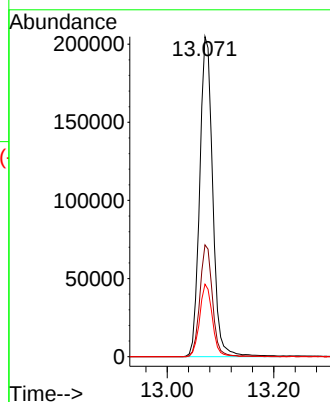
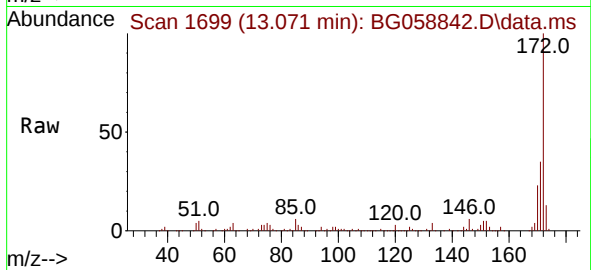




#45
2-Fluorobiphenyl
Concen: 98.130 ng
RT: 13.071 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

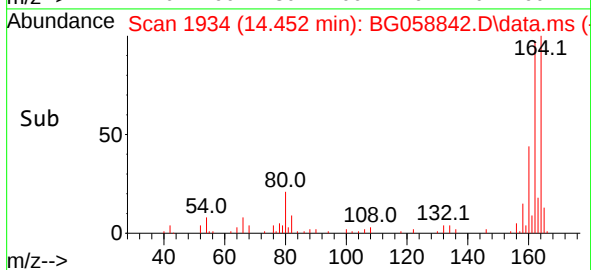
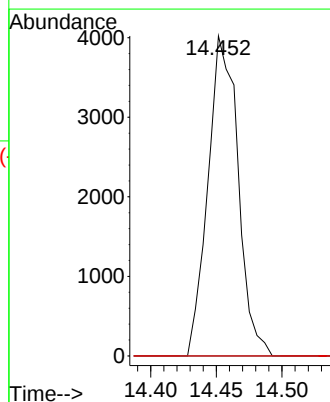
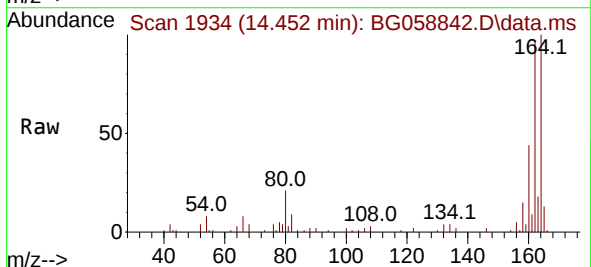
Instrument :
BNA_G
ClientSampleId :
TP-B

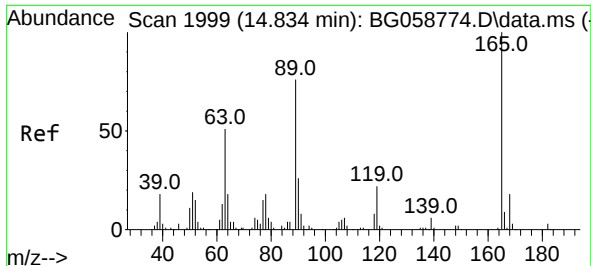
Tgt Ion:172 Resp: 347226
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.650 ng
RT: 14.452 min Scan# 1934
Delta R.T. 0.405 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

Tgt Ion:165 Resp: 6404
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: 5.485 ng

RT: 14.452 min Scan# 1999

Delta R.T. -0.382 min

Lab File: BG058842.D

Acq: 24 Aug 2023 17:19

Instrument :

BNA_G

ClientSampleId :

TP-B

Tgt Ion:165 Resp: 6404

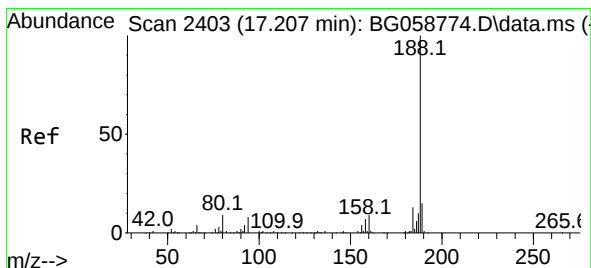
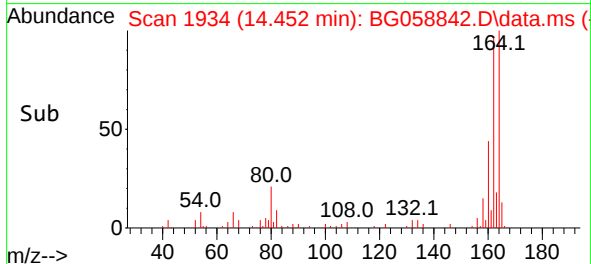
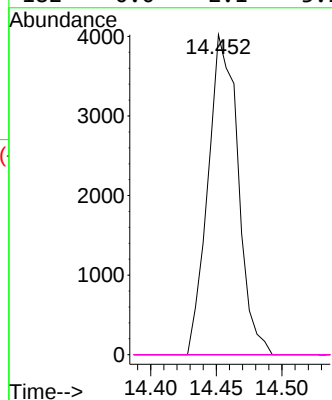
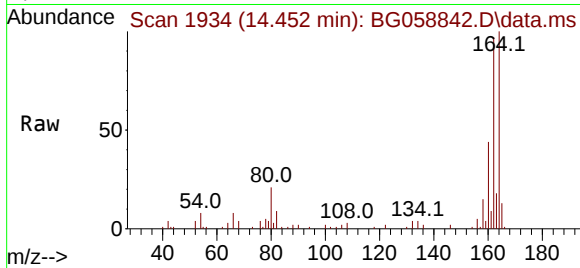
Ion Ratio Lower Upper

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. -0.006 min

Lab File: BG058842.D

Acq: 24 Aug 2023 17:19

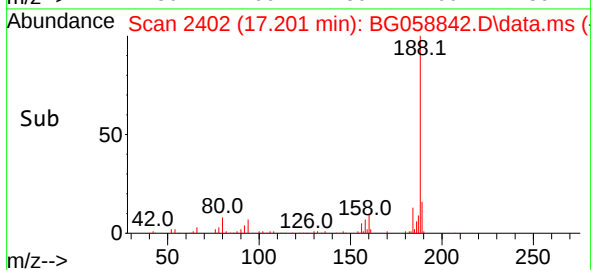
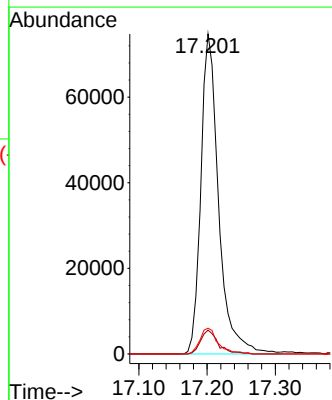
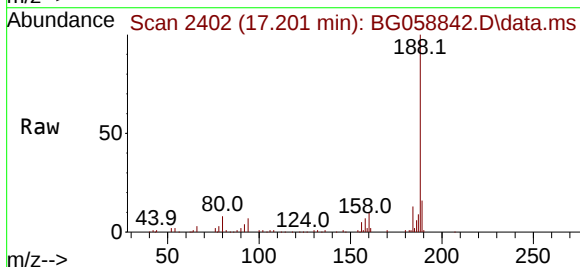
Tgt Ion:188 Resp: 135115

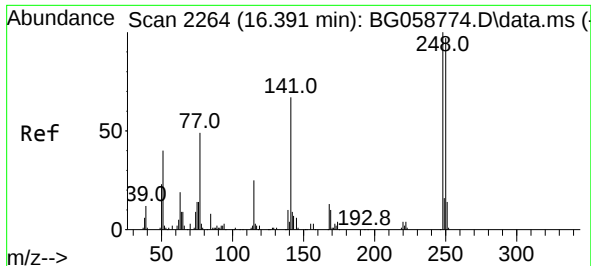
Ion Ratio Lower Upper

188 100

94 7.4 6.1 9.1

80 8.1 6.9 10.3

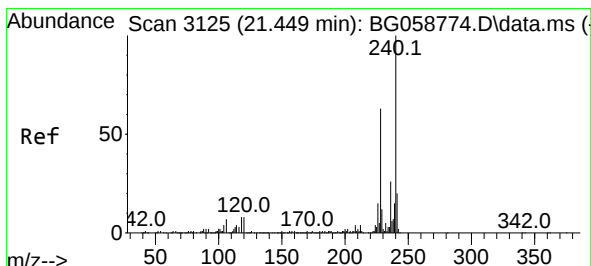
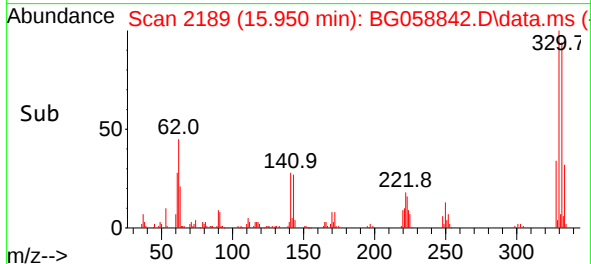
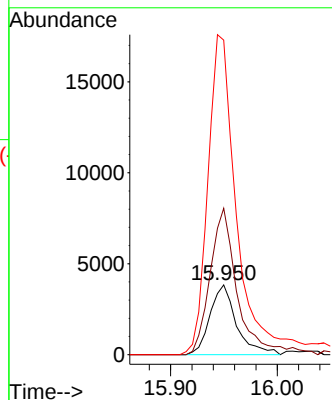
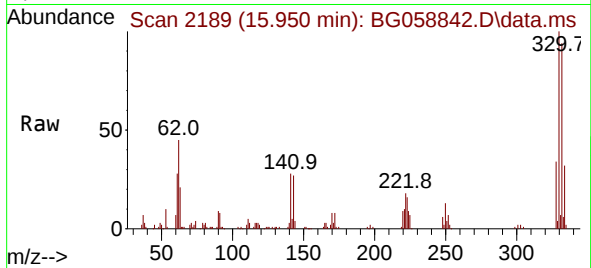




#67
4-Bromophenyl-phenylether
Concen: 4.470 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.441 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

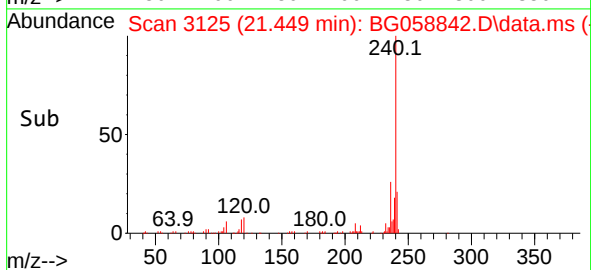
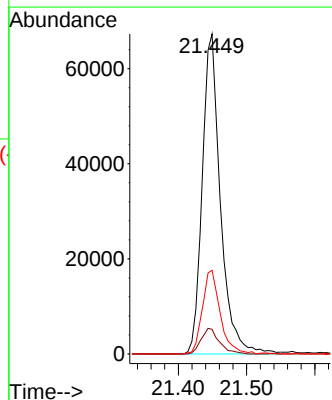
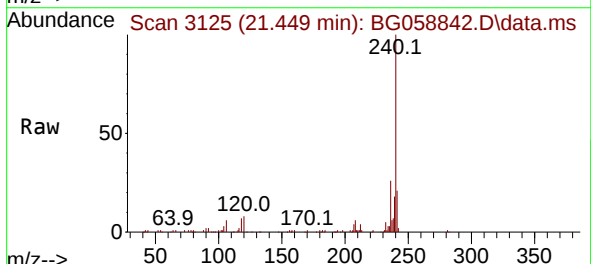
Instrument :
BNA_G
ClientSampleId :
TP-B

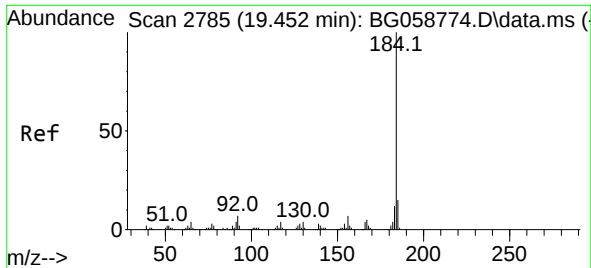
Tgt Ion:248 Resp: 6628
Ion Ratio Lower Upper
248 100
250 210.0 77.7 116.5#
141 451.5 53.6 80.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

Tgt Ion:240 Resp: 124544
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.2
236 26.2 20.5 30.7

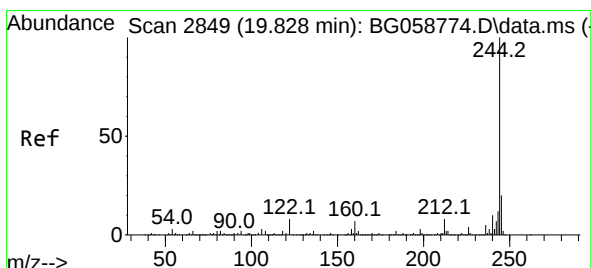
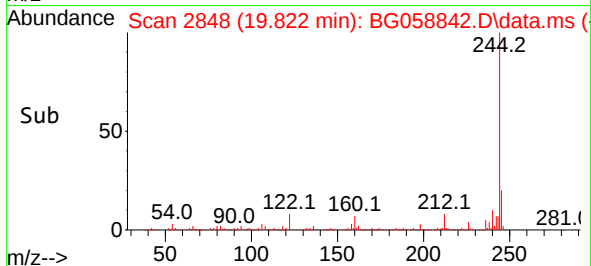
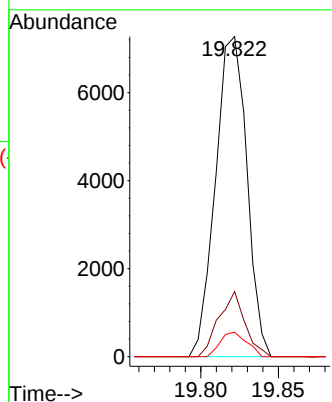
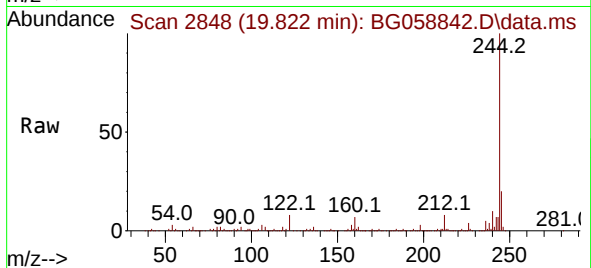




#77
Benzidine
Concen: 4.585 ng
RT: 19.822 min Scan# 21
Delta R.T. 0.370 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

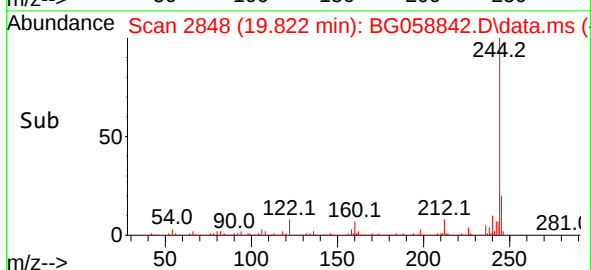
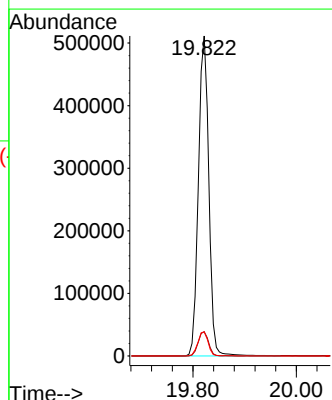
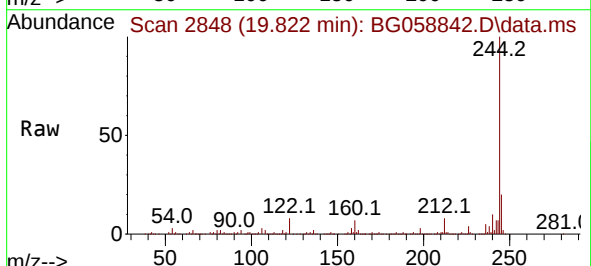
Instrument :
BNA_G
ClientSampleId :
TP-B

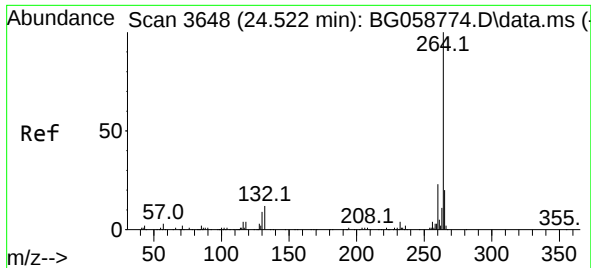
Tgt Ion:184 Resp: 10235
Ion Ratio Lower Upper
184 100
185 20.3 11.9 17.9#
183 7.7 10.0 15.0#



#79
Terphenyl-d14
Concen: 102.950 ng
RT: 19.822 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BG058842.D
Acq: 24 Aug 2023 17:19

Tgt Ion:244 Resp: 714069
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 7.5 6.3 9.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.522 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: BG058842.D
 Acq: 24 Aug 2023 17:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-B

Tgt Ion:264 Resp: 146474
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.2 27.2
 265 24.1 16.4 24.6

