

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
 Data File : BG058859.D
 Acq On : 25 Aug 2023 21:27
 Operator : MA/JU
 Sample : 04109-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-02(6-7)

Quant Time: Aug 26 09:19:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 09:13:37 2023
 Response via : Initial Calibration

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

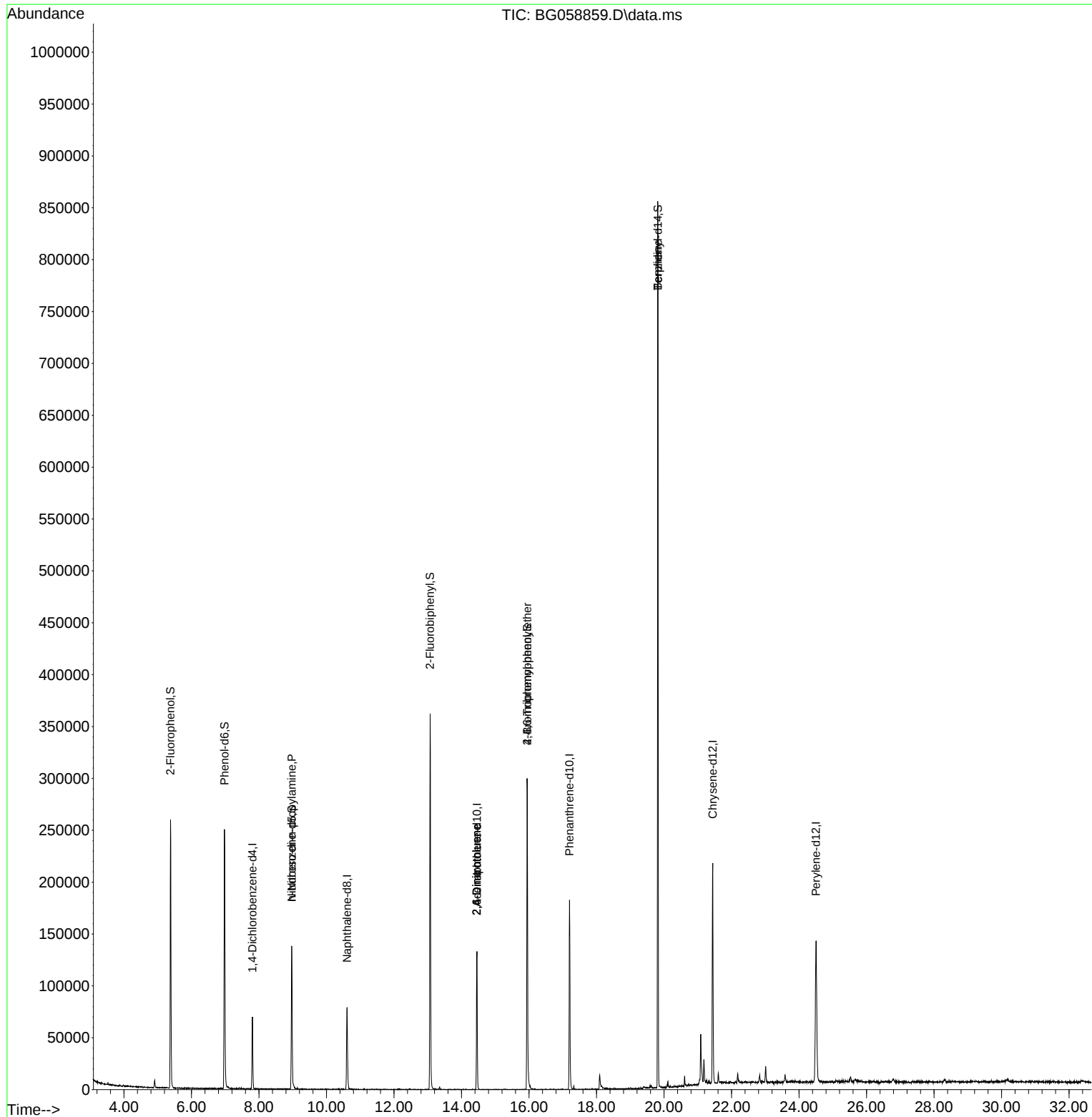
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	19864	20.000	ng	-0.02
21) Naphthalene-d8	10.608	136	78431	20.000	ng	-0.02
39) Acenaphthene-d10	14.456	164	52855	20.000	ng	-0.02
64) Phenanthrene-d10	17.200	188	133583	20.000	ng	-0.02
76) Chrysene-d12	21.442	240	132828	20.000	ng	-0.02
86) Perylene-d12	24.503	264	160487	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.379	112	106934	86.631	ng	-0.02
7) Phenol-d6	6.977	99	141699	81.821	ng	-0.03
23) Nitrobenzene-d5	8.969	82	84316	51.685	ng	-0.03
42) 2,4,6-Tribromophenol	15.949	330	73545	88.741	ng	-0.02
45) 2-Fluorobiphenyl	13.070	172	208715	57.434	ng	-0.03
79) Terphenyl-d14	19.815	244	430824	58.239	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.969	70	11509	10.281	ng	# 76
51) 2,6-Dinitrotoluene	14.450	165	6888	8.011	ng	# 22
57) 2,4-Dinitrotoluene	14.450	165	6888	5.744	ng	# 19
67) 4-Bromophenyl-phenylether	15.949	248	4456	3.040	ng	# 1
77) Benzidine	19.815	184	6281	2.638	ng	# 95

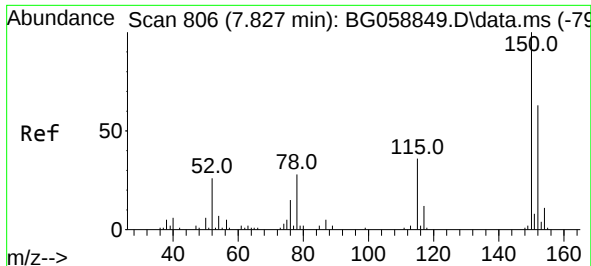
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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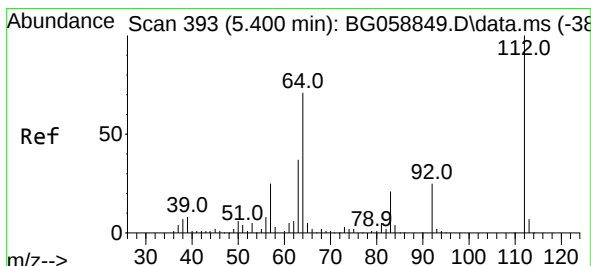
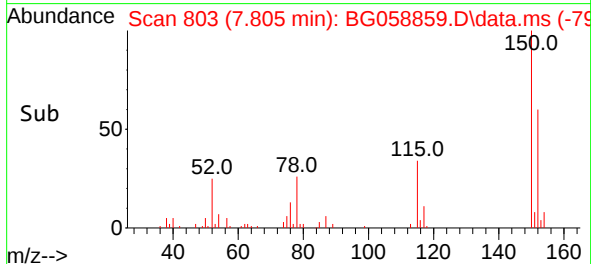
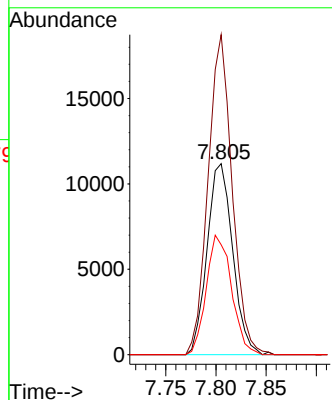
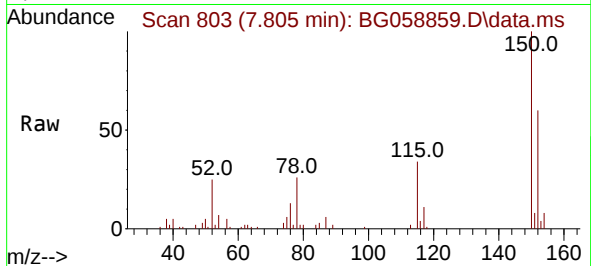




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 806
Delta R.T. -0.022 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

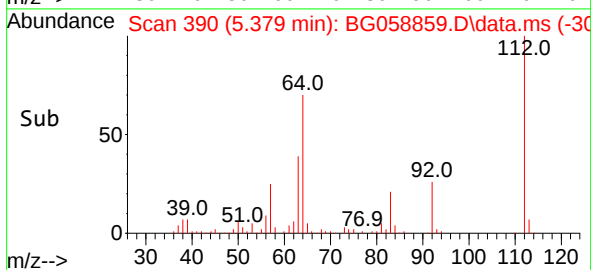
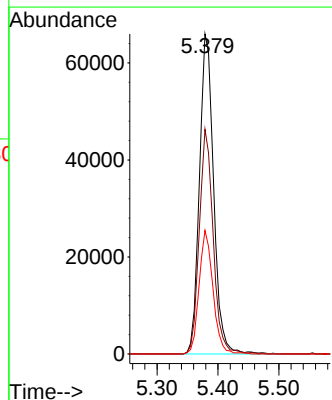
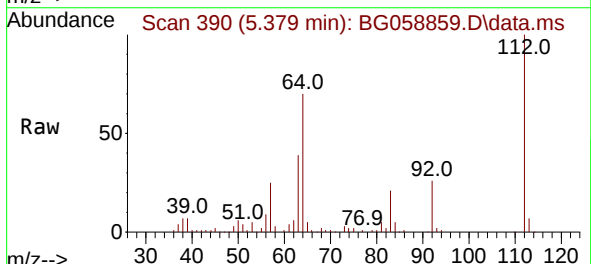
Instrument :
BNA_G
ClientSampleId :
TP-02(6-7)

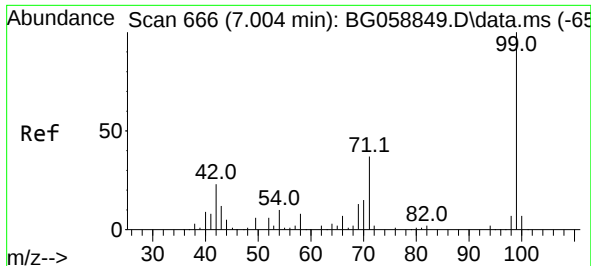
Tgt Ion:152 Resp: 19864
Ion Ratio Lower Upper
152 100
150 167.5 128.6 192.8
115 57.6 50.4 75.6



#5
2-Fluorophenol
Concen: 86.631 ng
RT: 5.379 min Scan# 390
Delta R.T. -0.021 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

Tgt Ion:112 Resp: 106934
Ion Ratio Lower Upper
112 100
64 70.2 60.6 90.8
63 38.6 31.0 46.4

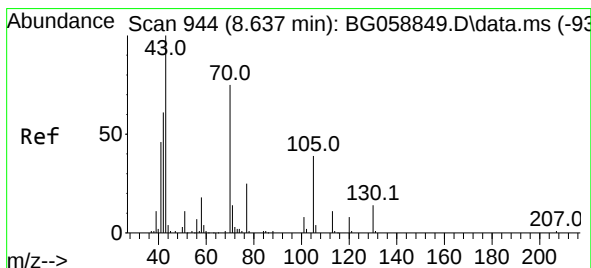
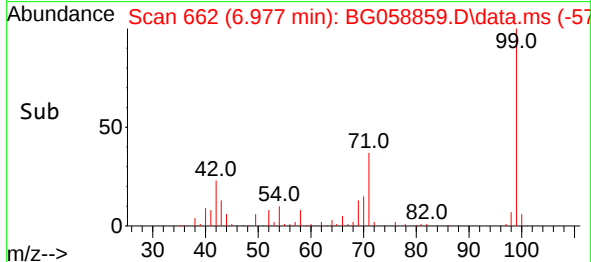
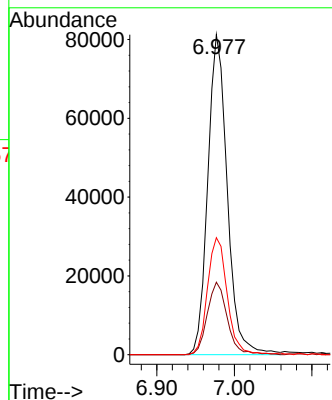
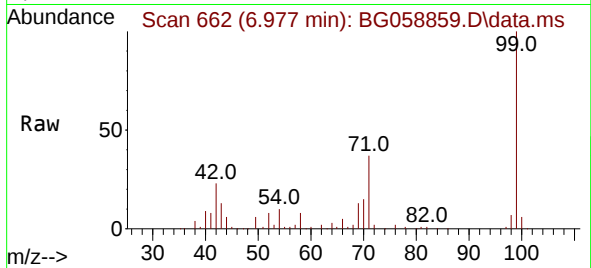




#7
Phenol-d6
Concen: 81.821 ng
RT: 6.977 min Scan# 60
Delta R.T. -0.027 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

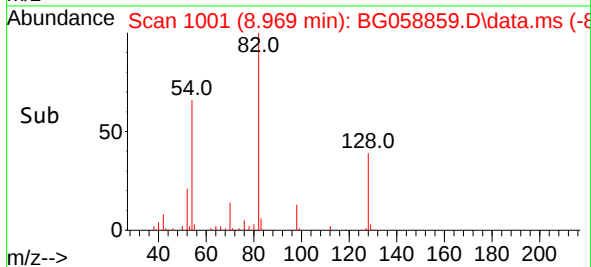
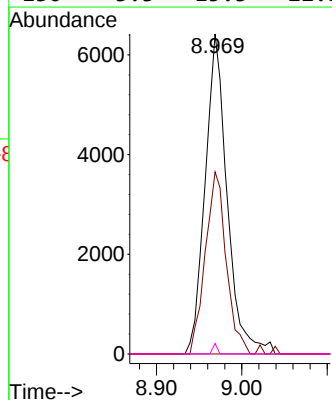
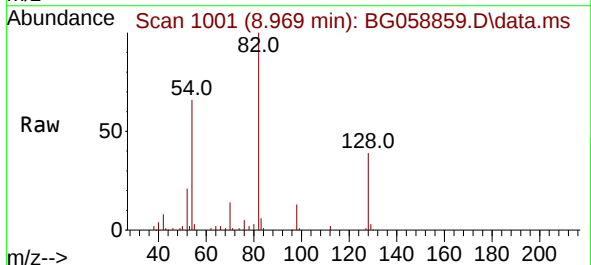
Instrument :
BNA_G
ClientSampleId :
TP-02(6-7)

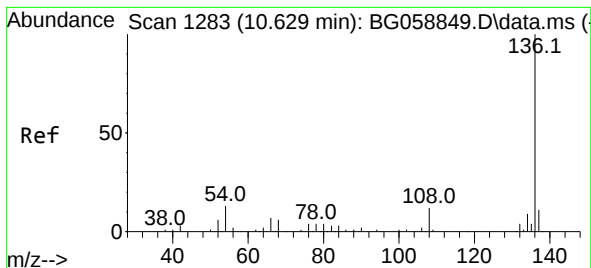
Tgt Ion: 99 Resp: 141699
Ion Ratio Lower Upper
99 100
42 22.6 16.5 24.7
71 36.5 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.281 ng
RT: 8.969 min Scan# 1001
Delta R.T. 0.331 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

Tgt Ion: 70 Resp: 11509
Ion Ratio Lower Upper
70 100
42 56.9 59.2 88.8#
101 0.0 8.2 12.2#
130 3.3 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.608 min Scan# 11

Delta R.T. -0.021 min

Lab File: BG058859.D

Acq: 25 Aug 2023 21:27

Instrument :

BNA_G

ClientSampleId :

TP-02(6-7)

Tgt Ion:136 Resp: 78431

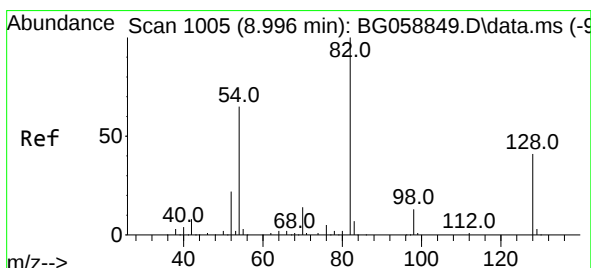
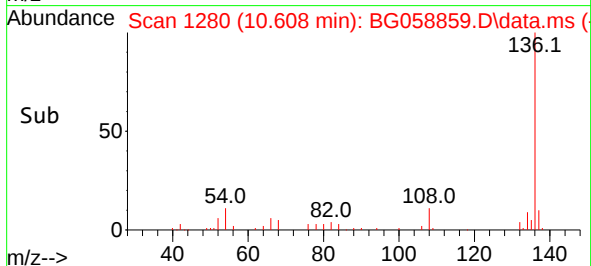
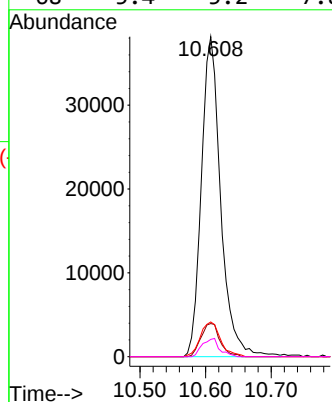
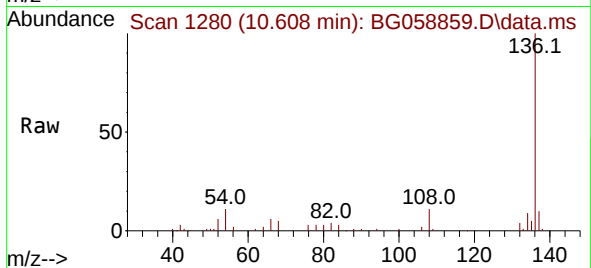
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 10.9 10.1 15.1

68 5.4 5.2 7.8



#23

Nitrobenzene-d5

Concen: 51.685 ng

RT: 8.969 min Scan# 1001

Delta R.T. -0.027 min

Lab File: BG058859.D

Acq: 25 Aug 2023 21:27

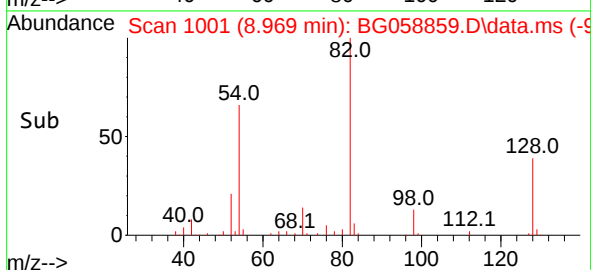
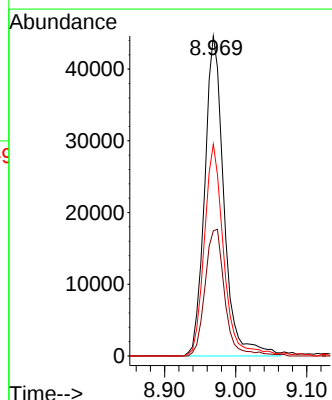
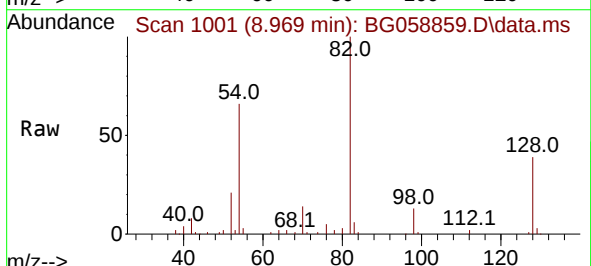
Tgt Ion: 82 Resp: 84316

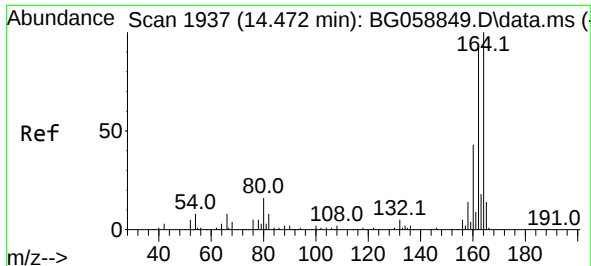
Ion Ratio Lower Upper

82 100

128 39.1 33.2 49.8

54 66.2 51.2 76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.456 min Scan# 1935

Delta R.T. -0.016 min

Lab File: BG058859.D

Acq: 25 Aug 2023 21:27

Instrument :

BNA_G

ClientSampleId :

TP-02(6-7)

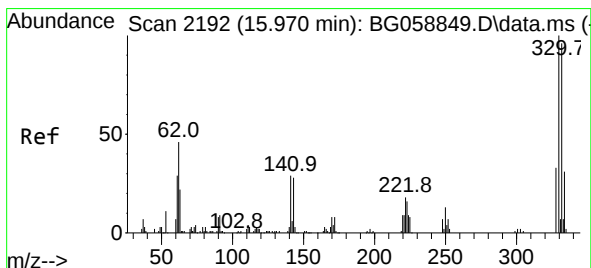
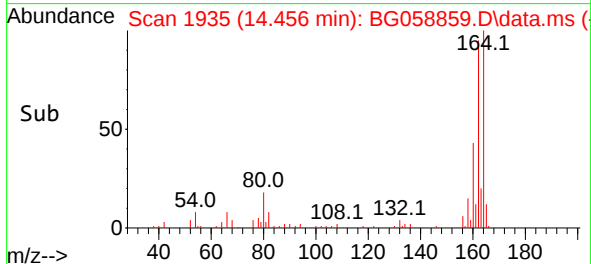
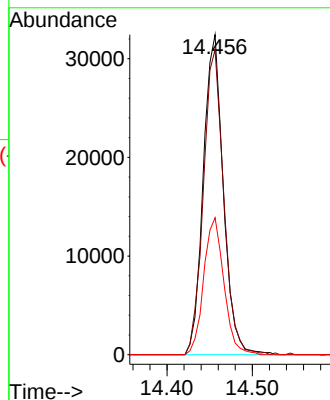
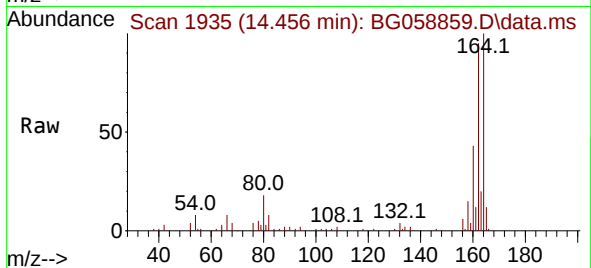
Tgt Ion:164 Resp: 52855

Ion Ratio Lower Upper

164 100

162 95.3 79.6 119.4

160 42.8 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 88.741 ng

RT: 15.949 min Scan# 2189

Delta R.T. -0.021 min

Lab File: BG058859.D

Acq: 25 Aug 2023 21:27

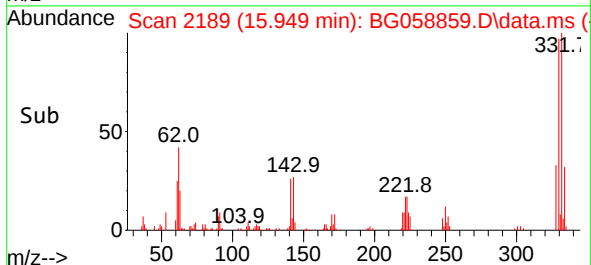
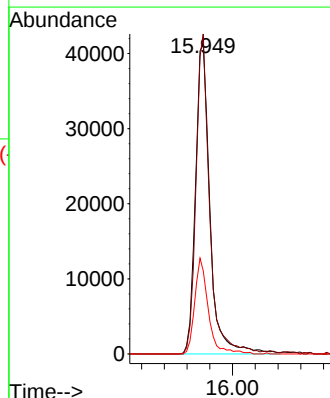
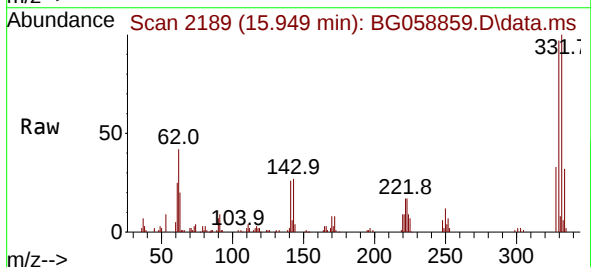
Tgt Ion:330 Resp: 73545

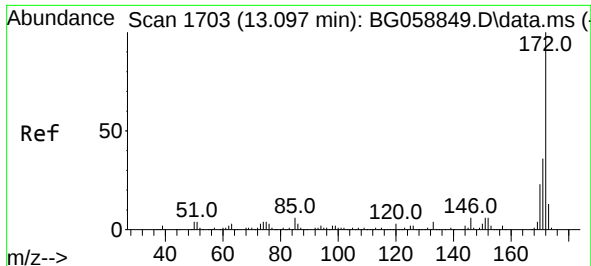
Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

141 28.8 23.0 34.6

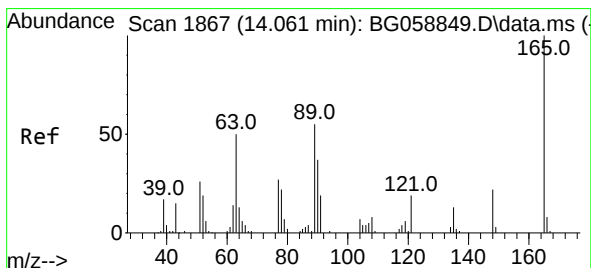
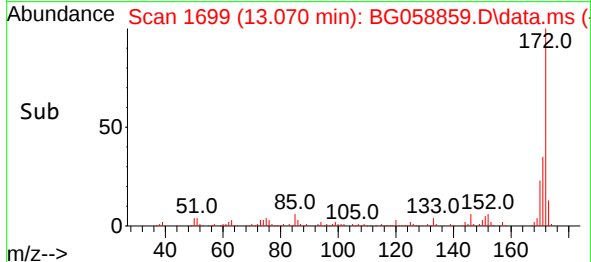
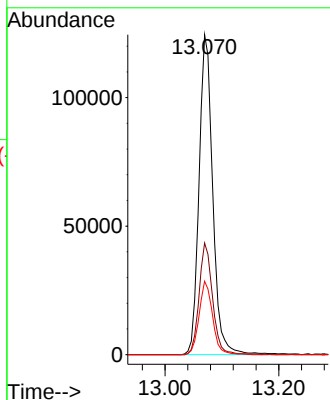
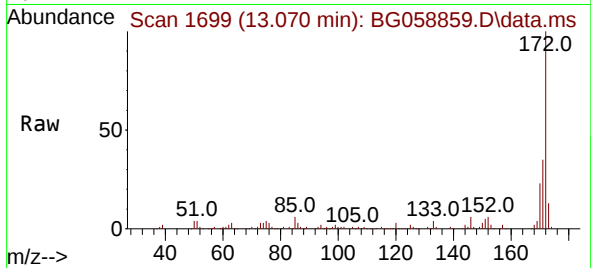




#45
2-Fluorobiphenyl
Concen: 57.434 ng
RT: 13.070 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

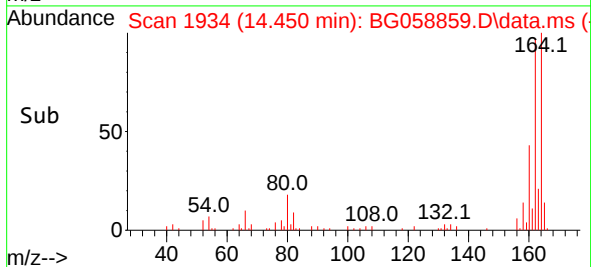
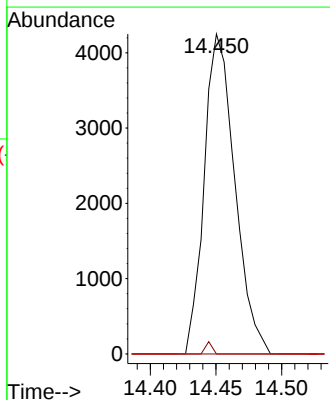
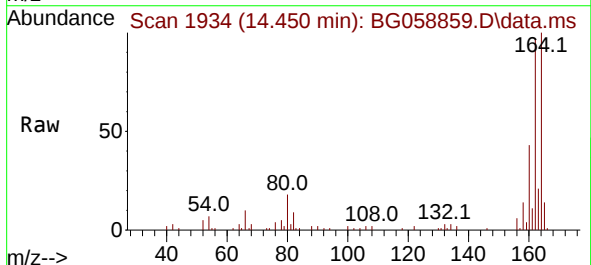
Instrument :
BNA_G
ClientSampleId :
TP-02(6-7)

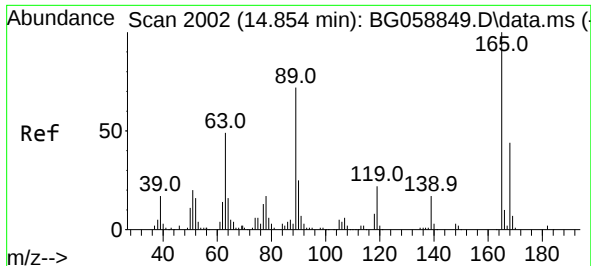
Tgt Ion:172 Resp: 208715
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.011 ng
RT: 14.450 min Scan# 1934
Delta R.T. 0.390 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

Tgt Ion:165 Resp: 6888
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: 5.744 ng

RT: 14.450 min Scan# 1934

Delta R.T. -0.403 min

Lab File: BG058859.D

Acq: 25 Aug 2023 21:27

Instrument :

BNA_G

ClientSampleId :

TP-02(6-7)

Tgt Ion:165 Resp: 6888

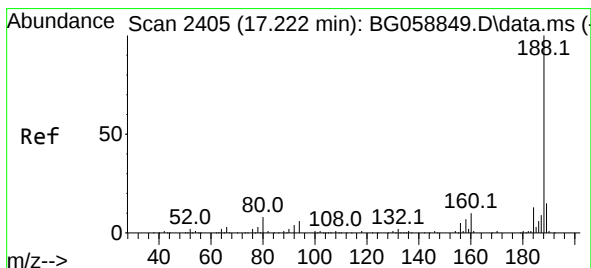
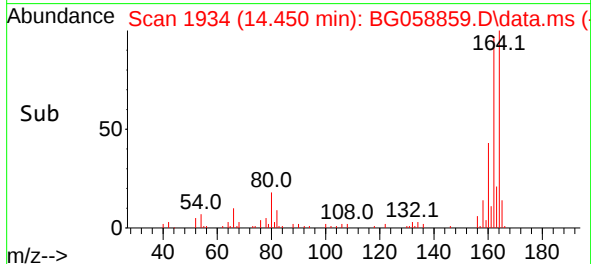
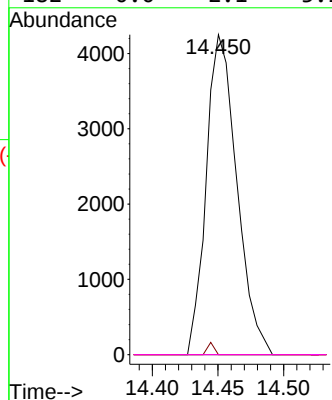
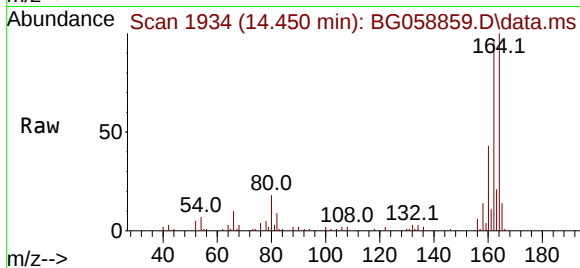
Ion Ratio Lower Upper

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: 17.200 min Scan# 2402

Delta R.T. -0.021 min

Lab File: BG058859.D

Acq: 25 Aug 2023 21:27

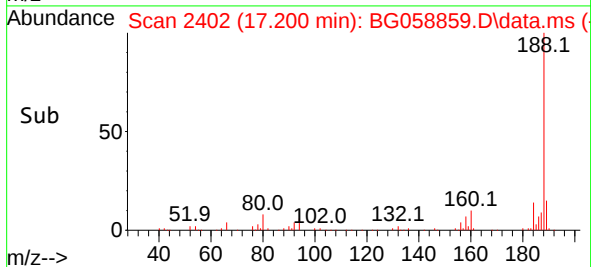
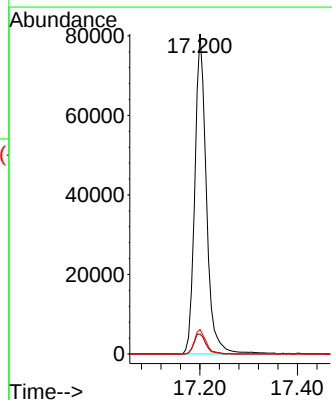
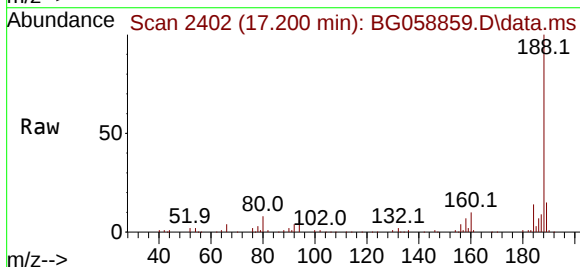
Tgt Ion:188 Resp: 133583

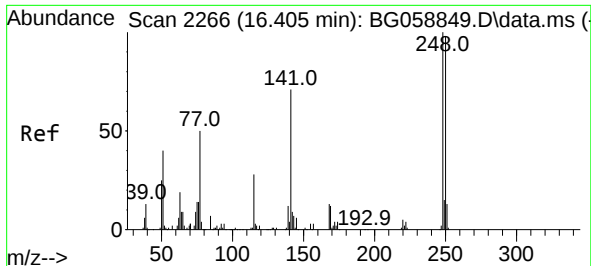
Ion Ratio Lower Upper

188 100

94 6.2 6.1 9.1

80 7.6 6.9 10.3

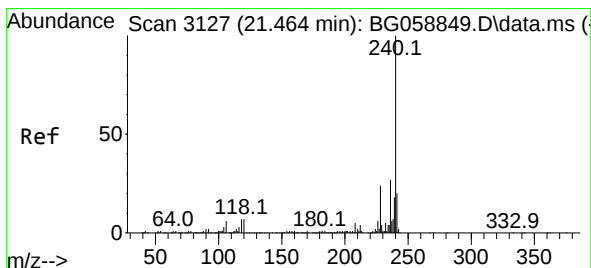
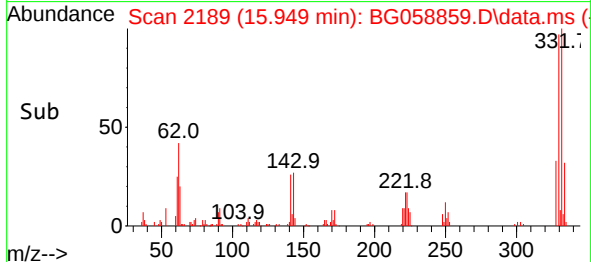
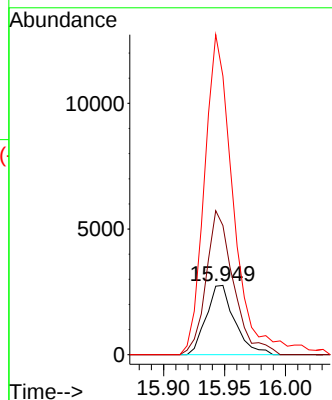
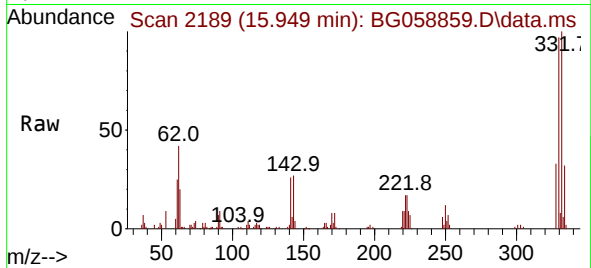




#67
4-Bromophenyl-phenylether
Concen: 3.040 ng
RT: 15.949 min Scan# 2119
Delta R.T. -0.456 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

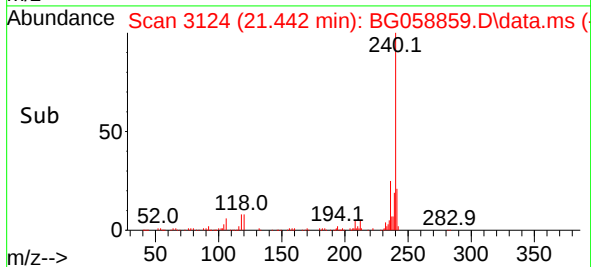
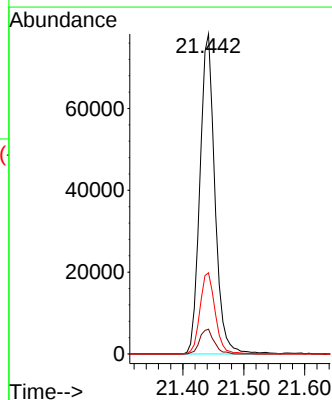
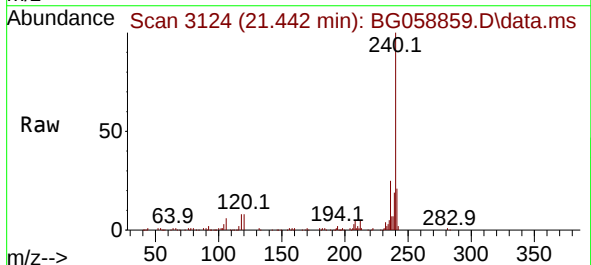
Instrument :
BNA_G
ClientSampleId :
TP-02(6-7)

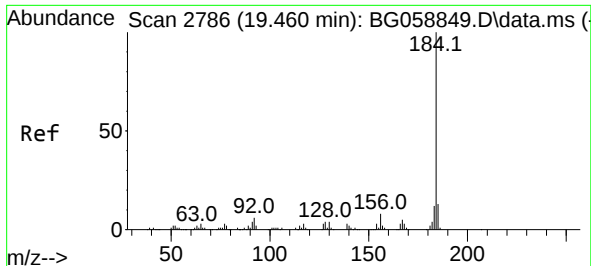
Tgt Ion:248 Resp: 4456
Ion Ratio Lower Upper
248 100
250 186.6 77.7 116.5#
141 402.6 53.6 80.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.442 min Scan# 3124
Delta R.T. -0.021 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

Tgt Ion:240 Resp: 132828
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.2
236 25.4 20.5 30.7

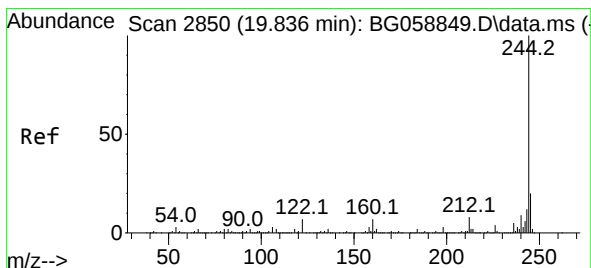
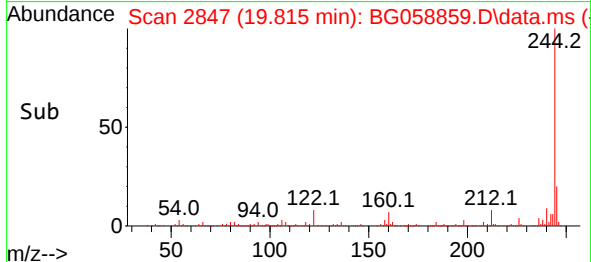
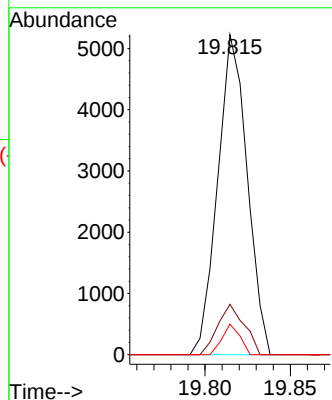
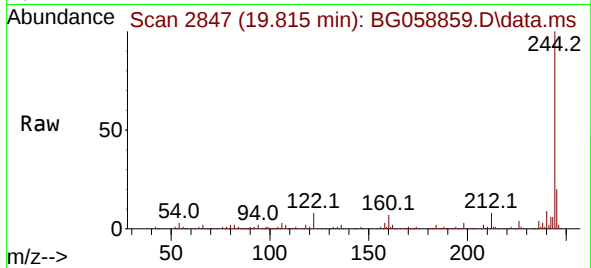




#77
Benzidine
Concen: 2.638 ng
RT: 19.815 min Scan# 21
Delta R.T. 0.355 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

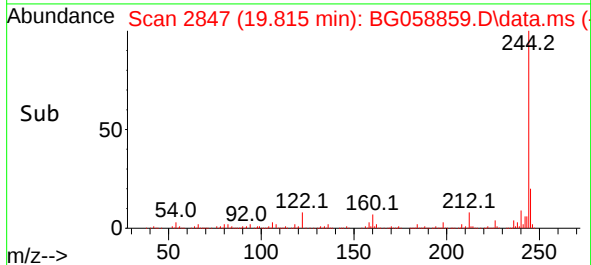
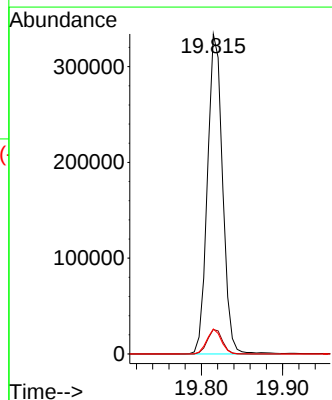
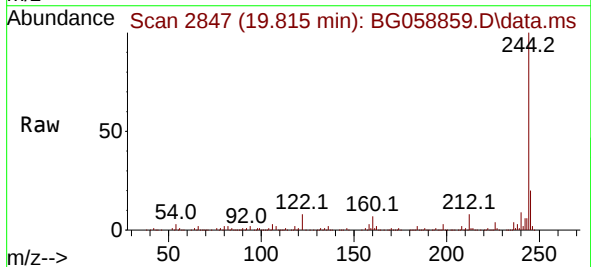
Instrument :
BNA_G
ClientSampleId :
TP-02(6-7)

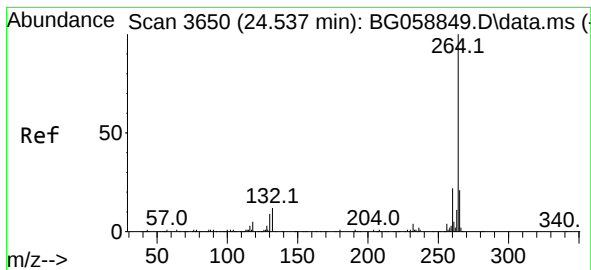
Tgt Ion:184 Resp: 6281
Ion Ratio Lower Upper
184 100
185 15.7 11.9 17.9
183 9.5 10.0 15.0#



#79
Terphenyl-d14
Concen: 58.239 ng
RT: 19.815 min Scan# 2847
Delta R.T. -0.021 min
Lab File: BG058859.D
Acq: 25 Aug 2023 21:27

Tgt Ion:244 Resp: 430824
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 7.8 6.3 9.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.503 min Scan# 30
 Delta R.T. -0.033 min
 Lab File: BG058859.D
 Acq: 25 Aug 2023 21:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-02(6-7)

Tgt Ion:264 Resp: 160487
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.2 27.2
 265 21.7 16.4 24.6

