

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
 Data File : BG058854.D
 Acq On : 25 Aug 2023 18:01
 Operator : MA/JU
 Sample : 04147-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03(48-50)

Quant Time: Aug 26 09:17:46 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)

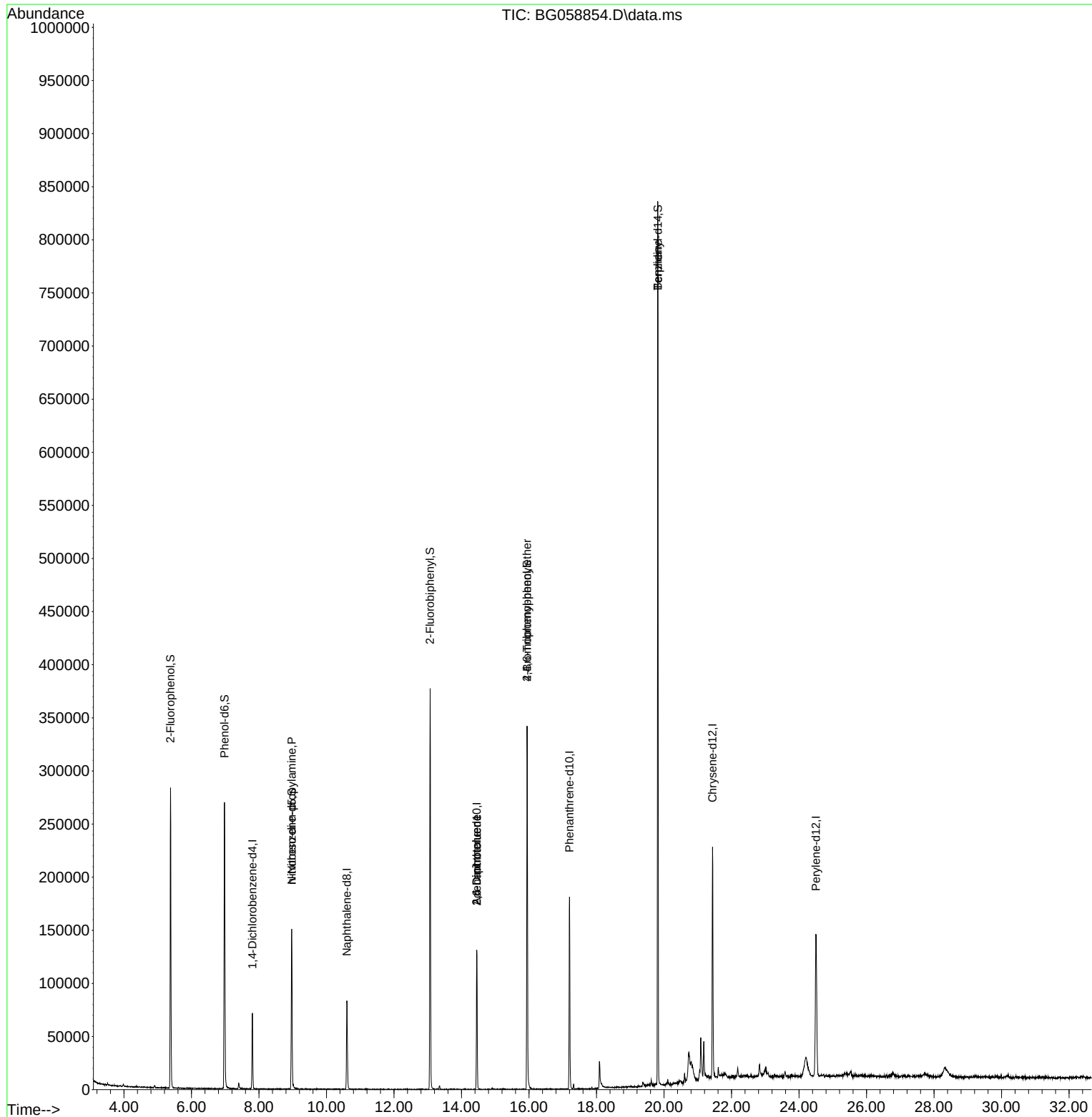
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.806	152	19711	20.000	ng	-0.02
21) Naphthalene-d8	10.603	136	75929	20.000	ng	-0.03
39) Acenaphthene-d10	14.451	164	51204	20.000	ng	-0.02
64) Phenanthrene-d10	17.201	188	125067	20.000	ng	-0.02
76) Chrysene-d12	21.437	240	130539	20.000	ng	-0.03
86) Perylene-d12	24.504	264	155232	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.380	112	113755	92.873	ng	-0.02
7) Phenol-d6	6.978	99	149507	86.999	ng	-0.03
23) Nitrobenzene-d5	8.970	82	90857	57.530	ng	-0.03
42) 2,4,6-Tribromophenol	15.944	330	78026	97.184	ng	-0.03
45) 2-Fluorobiphenyl	13.071	172	206787	58.738	ng	-0.03
79) Terphenyl-d14	19.816	244	417717	57.458	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.970	70	11987	10.791	ng	# 78
51) 2,6-Dinitrotoluene	14.451	165	7091	8.514	ng	# 22
57) 2,4-Dinitrotoluene	14.451	165	7091	6.104	ng	# 19
67) 4-Bromophenyl-phenylether	15.944	248	4879	3.555	ng	# 1
77) Benzidine	19.816	184	6529	2.791	ng	# 92

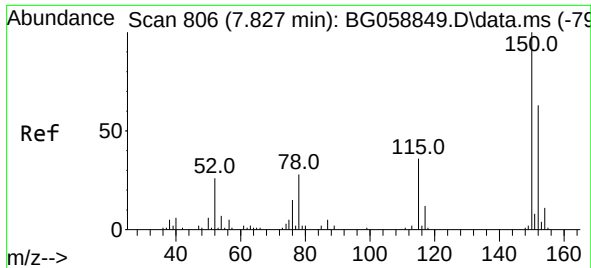
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
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SB-03(48-50)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

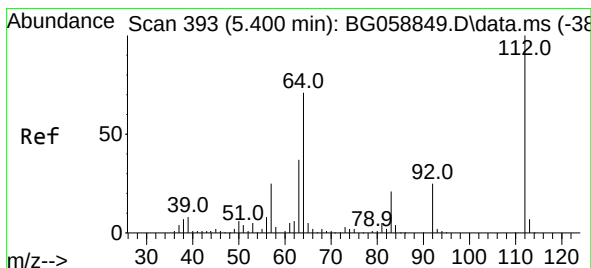
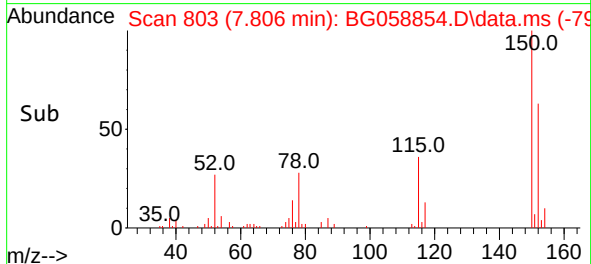
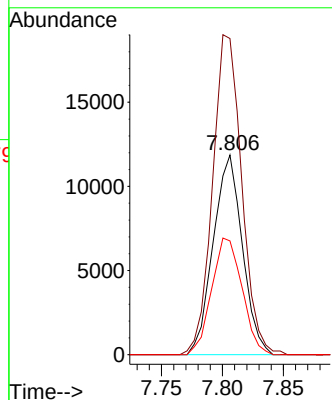
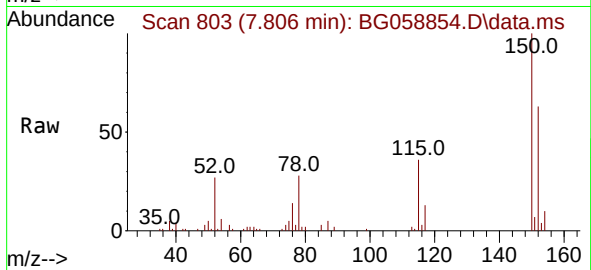




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.806 min Scan# 806
Delta R.T. -0.021 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

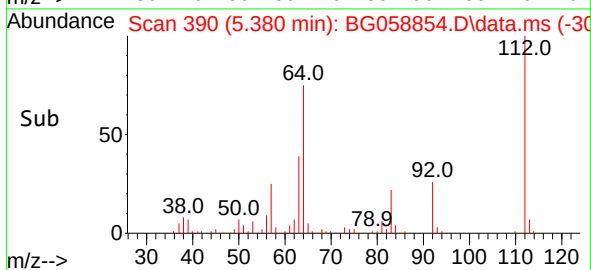
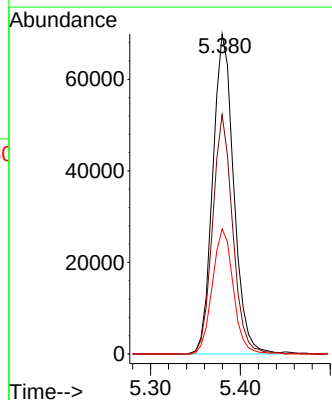
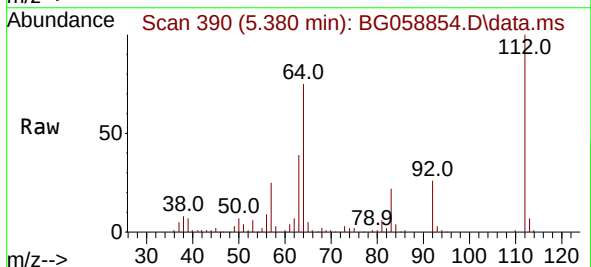
Instrument :
BNA_G
ClientSampleId :
SB-03(48-50)

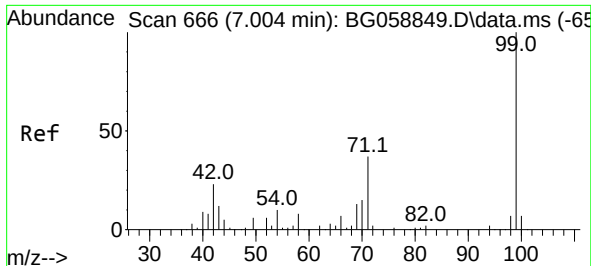
Tgt Ion:152 Resp: 19711
Ion Ratio Lower Upper
152 100
150 158.3 128.6 192.8
115 57.0 50.4 75.6



#5
2-Fluorophenol
Concen: 92.873 ng
RT: 5.380 min Scan# 390
Delta R.T. -0.020 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

Tgt Ion:112 Resp: 113755
Ion Ratio Lower Upper
112 100
64 74.8 60.6 90.8
63 39.1 31.0 46.4

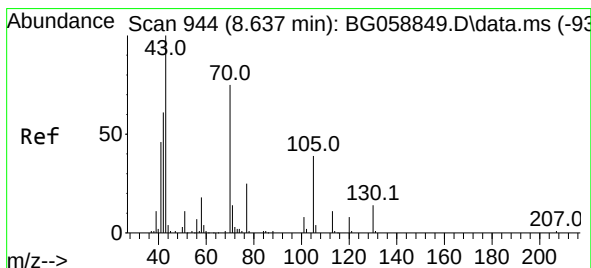
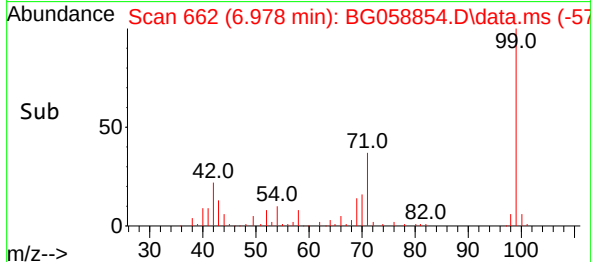
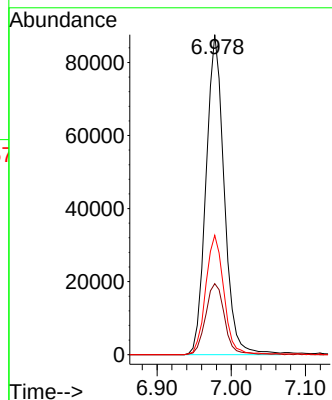
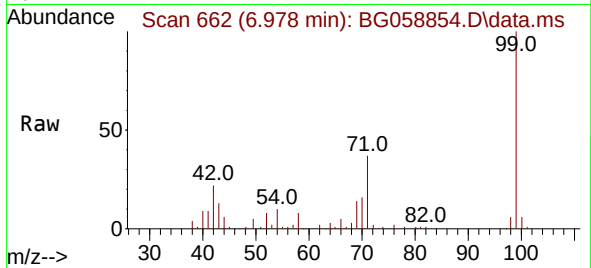




#7
Phenol-d6
Concen: 86.999 ng
RT: 6.978 min Scan# 60
Delta R.T. -0.026 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

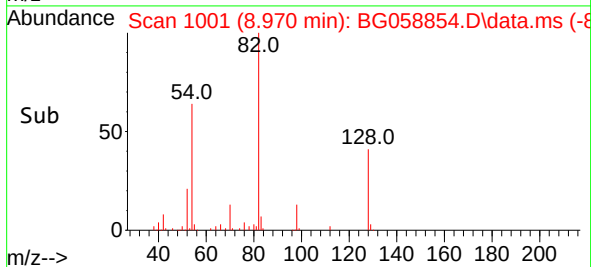
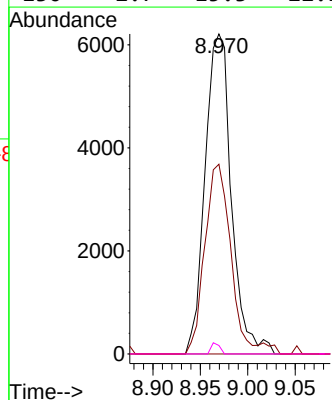
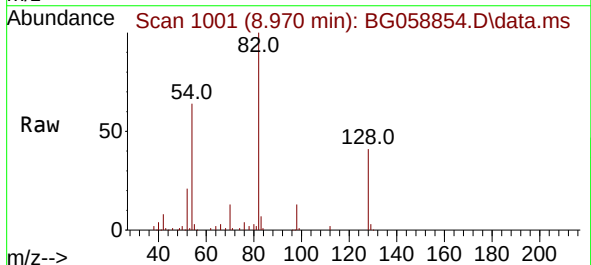
Instrument :
BNA_G
ClientSampleId :
SB-03(48-50)

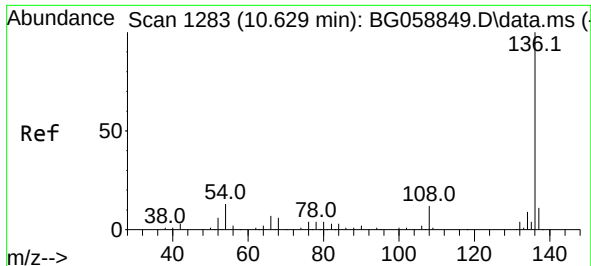
Tgt Ion: 99 Resp: 149507
Ion Ratio Lower Upper
99 100
42 22.2 16.5 24.7
71 37.3 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.791 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.332 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

Tgt Ion: 70 Resp: 11987
Ion Ratio Lower Upper
70 100
42 59.3 59.2 88.8
101 0.0 8.2 12.2#
130 2.7 15.3 22.9#

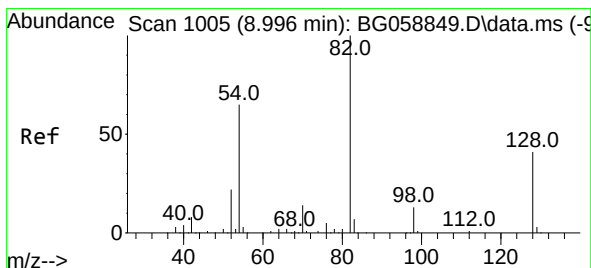
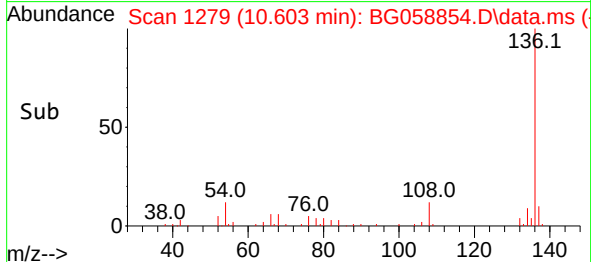
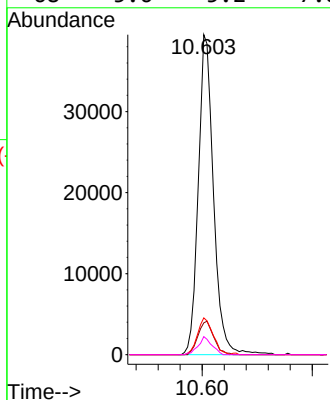
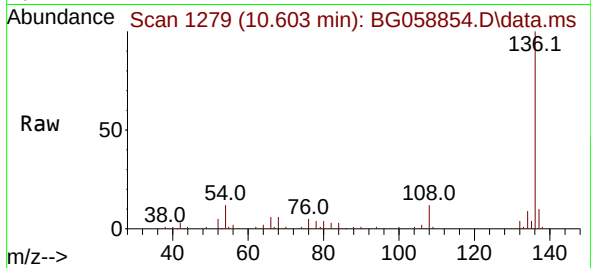




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 11
Delta R.T. -0.026 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

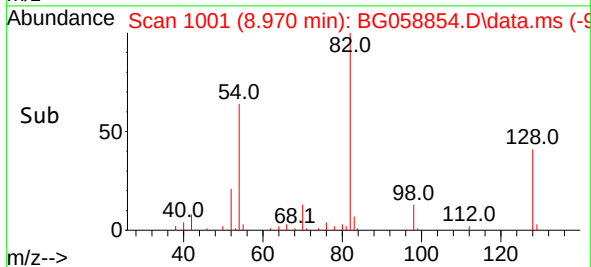
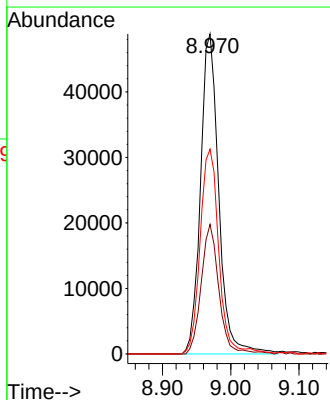
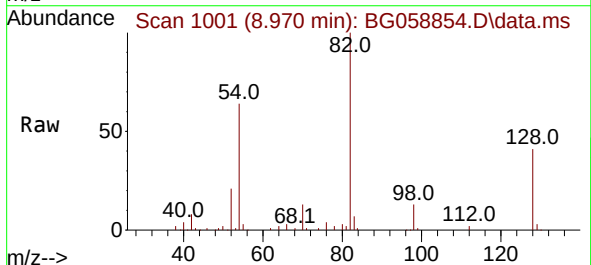
Instrument :
BNA_G
ClientSampleId :
SB-03(48-50)

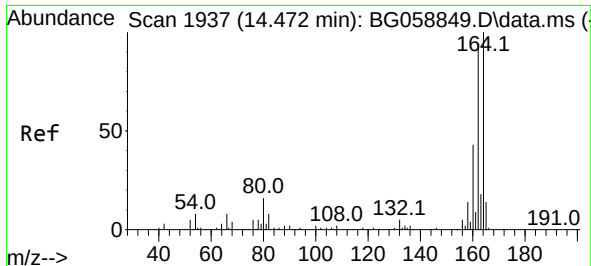
Tgt Ion:136	Resp:	75929
Ion Ratio	Lower	Upper
136	100	
137	10.0	8.7 13.1
54	11.5	10.1 15.1
68	5.6	5.2 7.8



#23
Nitrobenzene-d5
Concen: 57.530 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.026 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

Tgt Ion: 82	Resp:	90857
Ion Ratio	Lower	Upper
82	100	
128	40.5	33.2 49.8
54	64.0	51.2 76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1934

Delta R.T. -0.020 min

Lab File: BG058854.D

Acq: 25 Aug 2023 18:01

Instrument :

BNA_G

ClientSampleId :

SB-03(48-50)

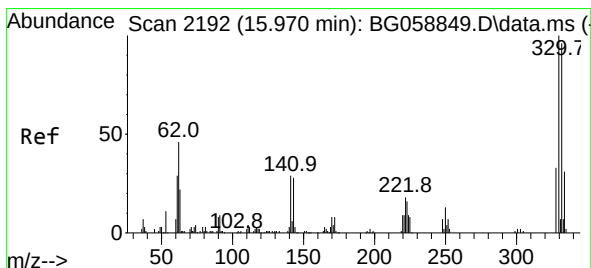
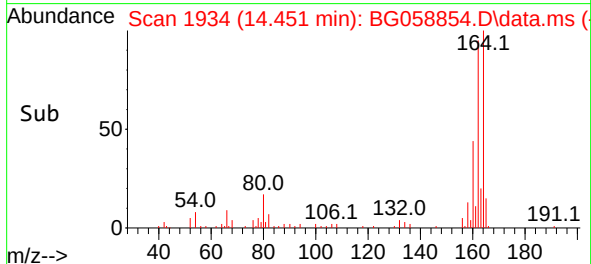
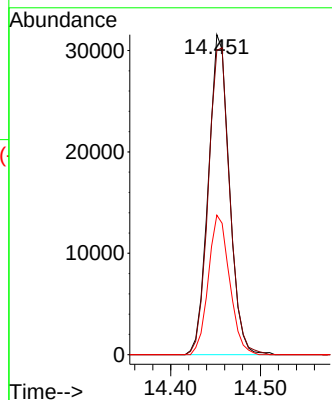
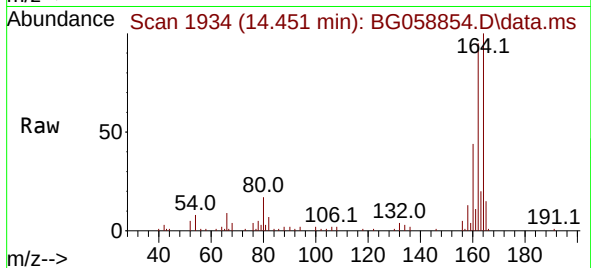
Tgt Ion:164 Resp: 51204

Ion Ratio Lower Upper

164 100

162 95.1 79.6 119.4

160 43.6 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 97.184 ng

RT: 15.944 min Scan# 2188

Delta R.T. -0.026 min

Lab File: BG058854.D

Acq: 25 Aug 2023 18:01

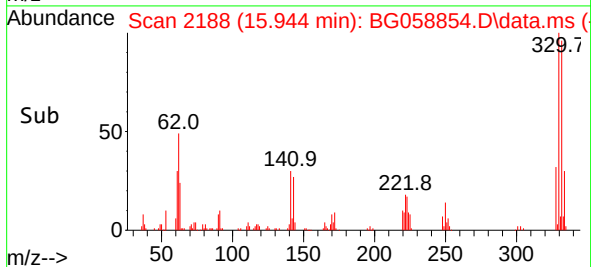
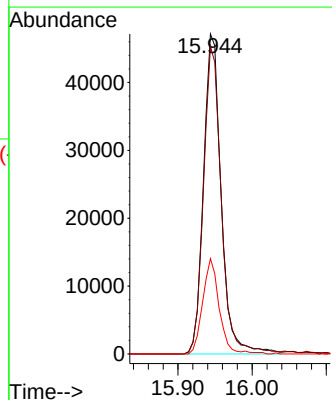
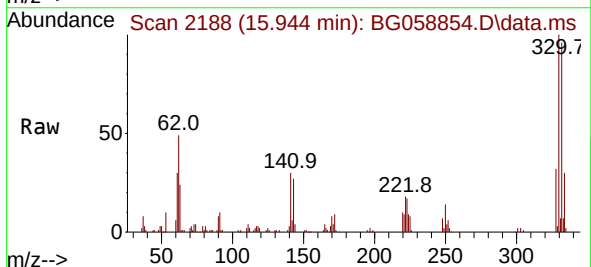
Tgt Ion:330 Resp: 78026

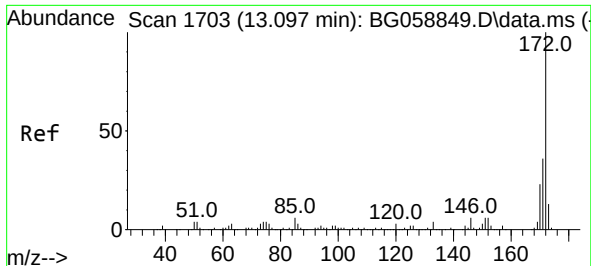
Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

141 27.8 23.0 34.6

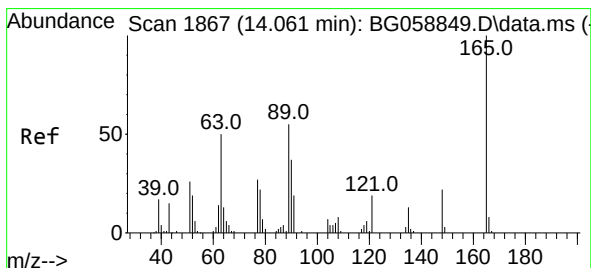
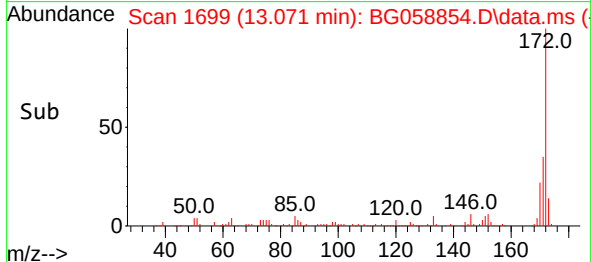
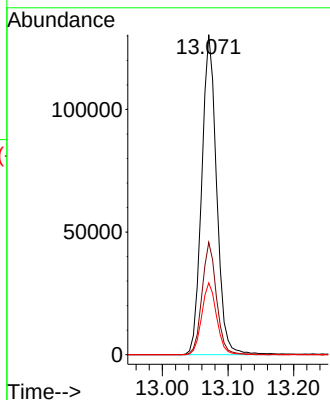
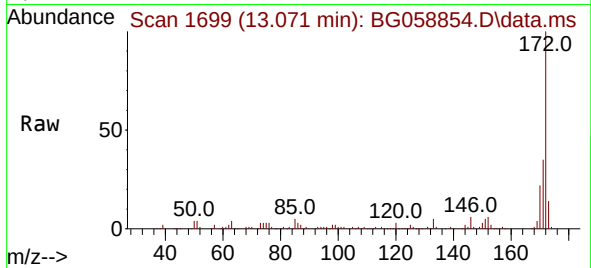




#45
2-Fluorobiphenyl
Concen: 58.738 ng
RT: 13.071 min Scan# 1
Delta R.T. -0.026 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

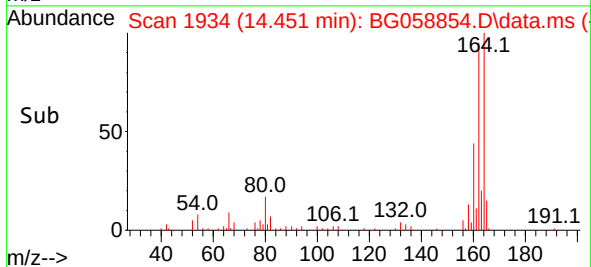
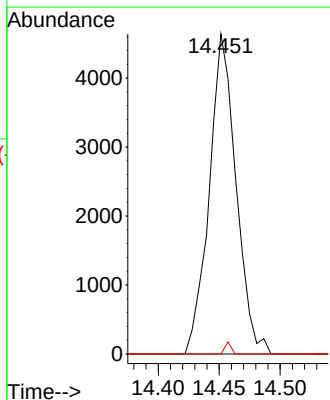
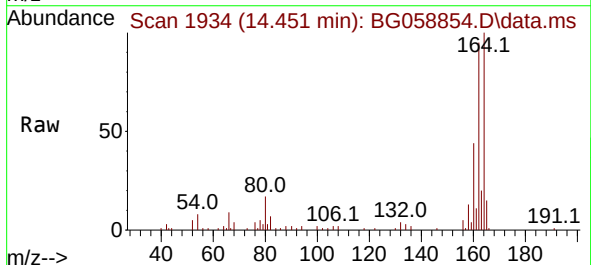
Instrument :
BNA_G
ClientSampleId :
SB-03(48-50)

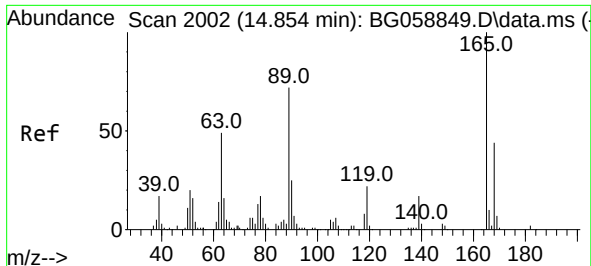
Tgt Ion:172 Resp: 206787
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 22.4 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.514 ng
RT: 14.451 min Scan# 1934
Delta R.T. 0.391 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

Tgt Ion:165 Resp: 7091
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: 6.104 ng

RT: 14.451 min Scan# 1934

Delta R.T. -0.402 min

Lab File: BG058854.D

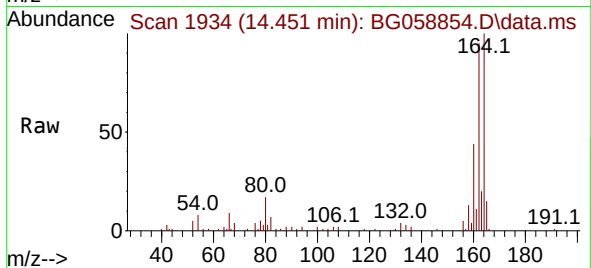
Acq: 25 Aug 2023 18:01

Instrument :

BNA_G

ClientSampleId :

SB-03(48-50)



Tgt Ion:165 Resp: 7091

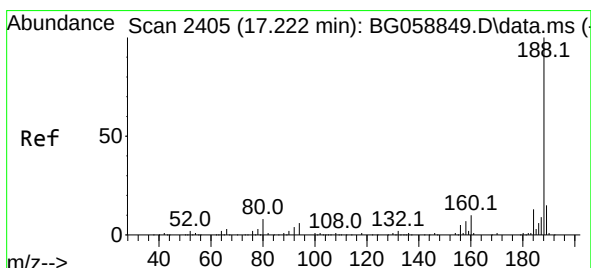
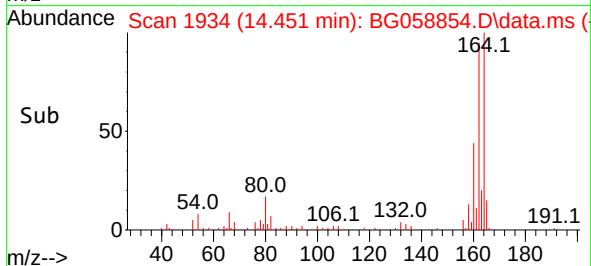
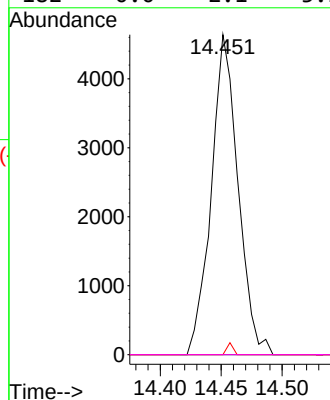
Ion Ratio Lower Upper

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. -0.020 min

Lab File: BG058854.D

Acq: 25 Aug 2023 18:01

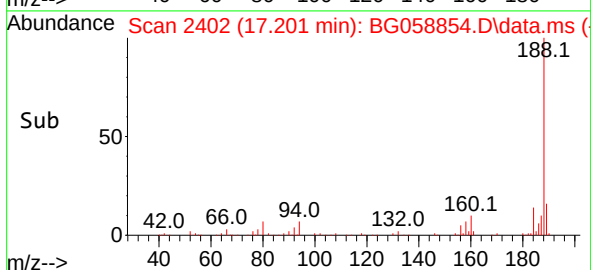
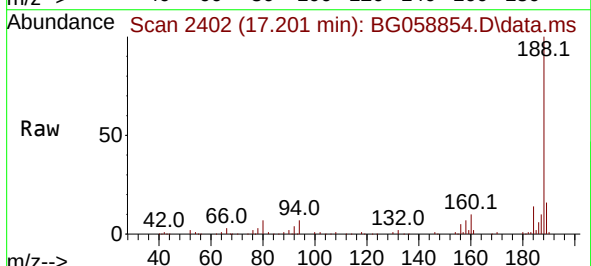
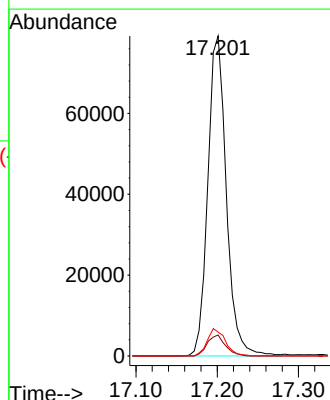
Tgt Ion:188 Resp: 125067

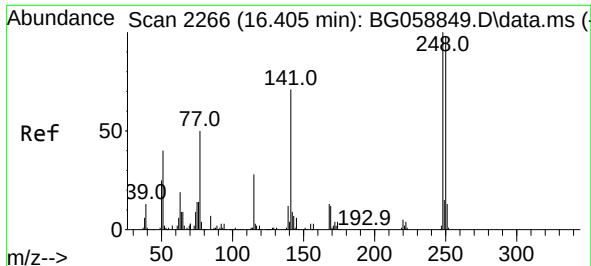
Ion Ratio Lower Upper

188 100

94 6.5 6.1 9.1

80 7.5 6.9 10.3

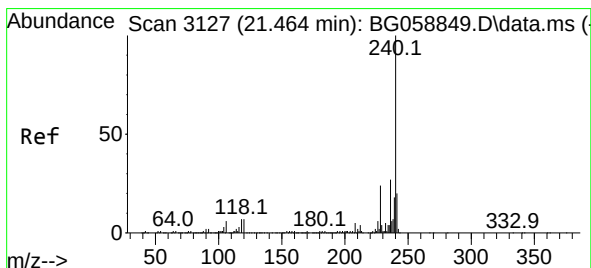
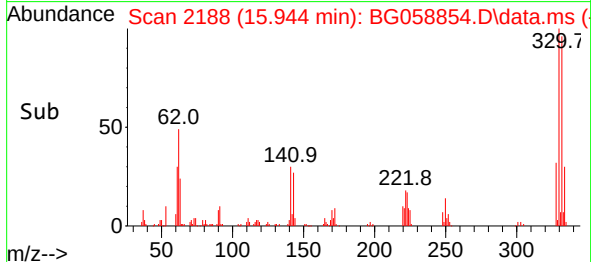
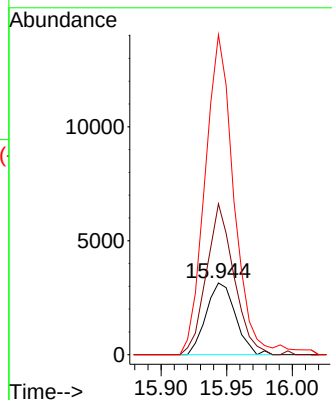
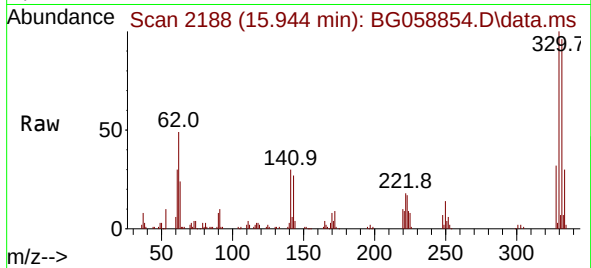




#67
4-Bromophenyl-phenylether
Concen: 3.555 ng
RT: 15.944 min Scan# 2118
Delta R.T. -0.461 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

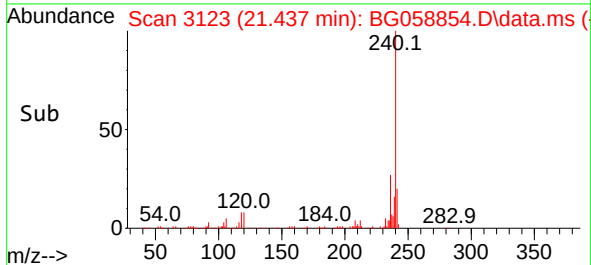
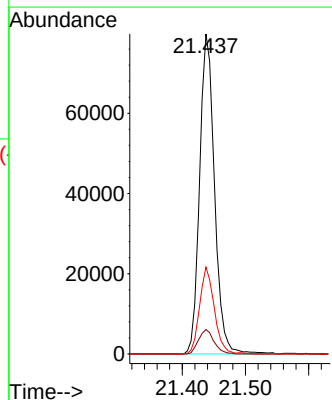
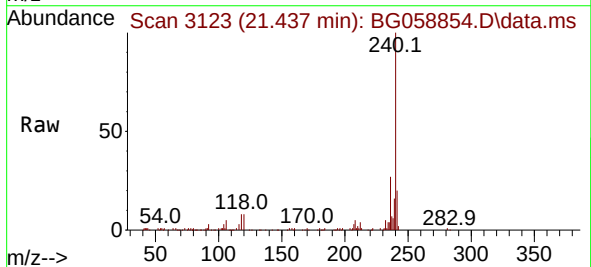
Instrument :
BNA_G
ClientSampleId :
SB-03(48-50)

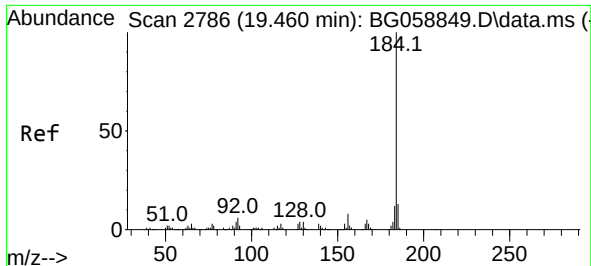
Tgt Ion:248 Resp: 4879
Ion Ratio Lower Upper
248 100
250 210.5 77.7 116.5#
141 446.6 53.6 80.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.437 min Scan# 3123
Delta R.T. -0.026 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

Tgt Ion:240 Resp: 130539
Ion Ratio Lower Upper
240 100
120 7.6 6.2 9.2
236 27.2 20.5 30.7

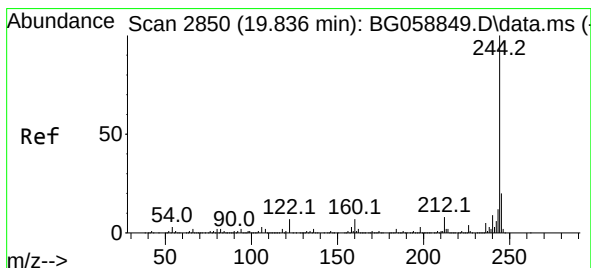
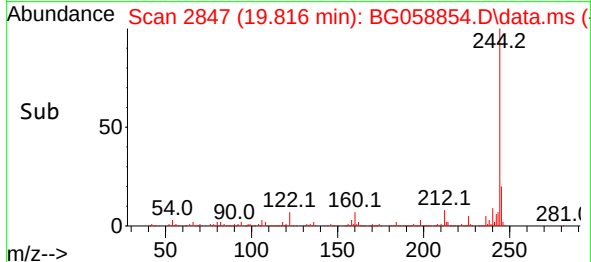
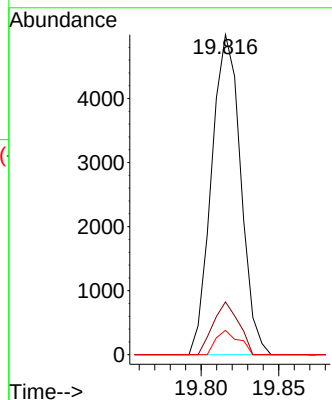
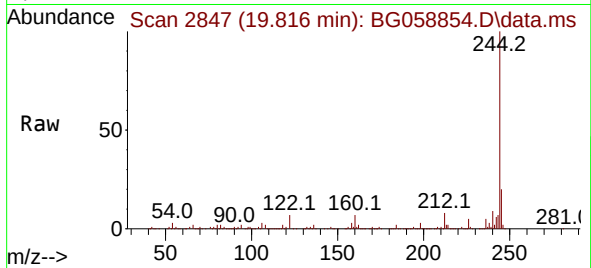




#77
Benzidine
Concen: 2.791 ng
RT: 19.816 min Scan# 21
Delta R.T. 0.356 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

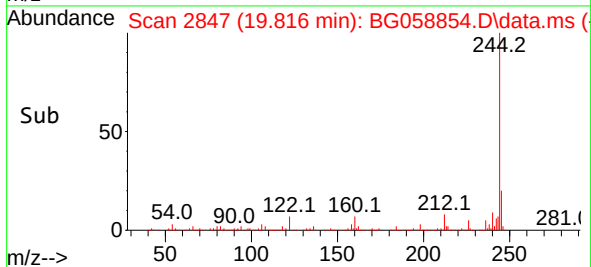
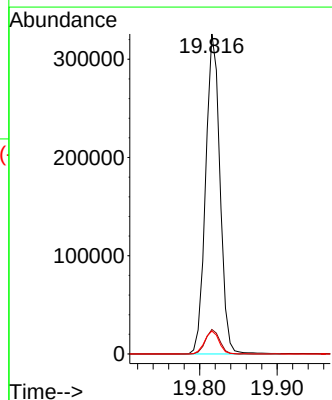
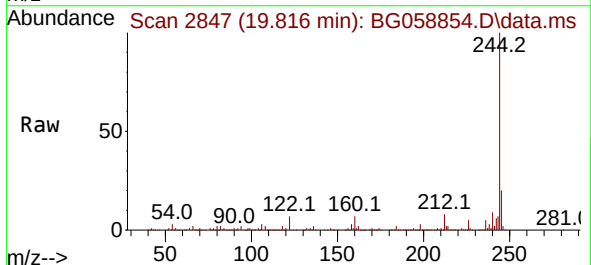
Instrument :
BNA_G
ClientSampleId :
SB-03(48-50)

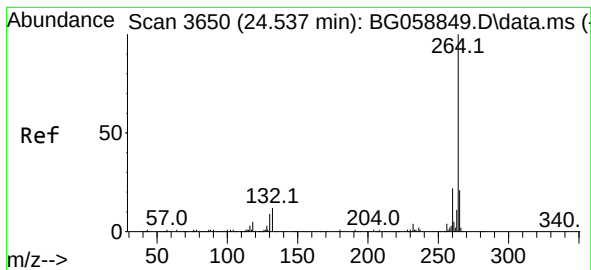
Tgt Ion:184 Resp: 6529
Ion Ratio Lower Upper
184 100
185 16.5 11.9 17.9
183 7.6 10.0 15.0#



#79
Terphenyl-d14
Concen: 57.458 ng
RT: 19.816 min Scan# 2847
Delta R.T. -0.020 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

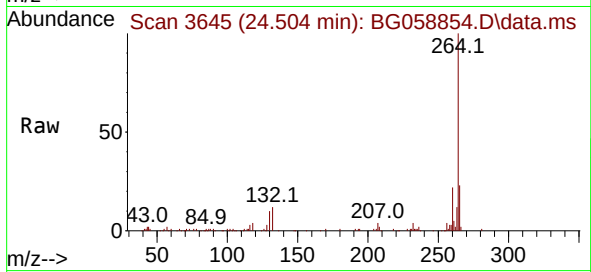
Tgt Ion:244 Resp: 417717
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 7.2 6.3 9.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.504 min Scan# 30
Delta R.T. -0.032 min
Lab File: BG058854.D
Acq: 25 Aug 2023 18:01

Instrument :
BNA_G
ClientSampleId :
SB-03(48-50)



Tgt Ion:	264	Resp:	155232
Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.2	27.2
265	22.7	16.4	24.6

