

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081723\
 Data File : BG058761.D
 Acq On : 17 Aug 2023 13:57
 Operator : MA/JU
 Sample : PB154763TB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB154763TB

Quant Time: Aug 18 01:52:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

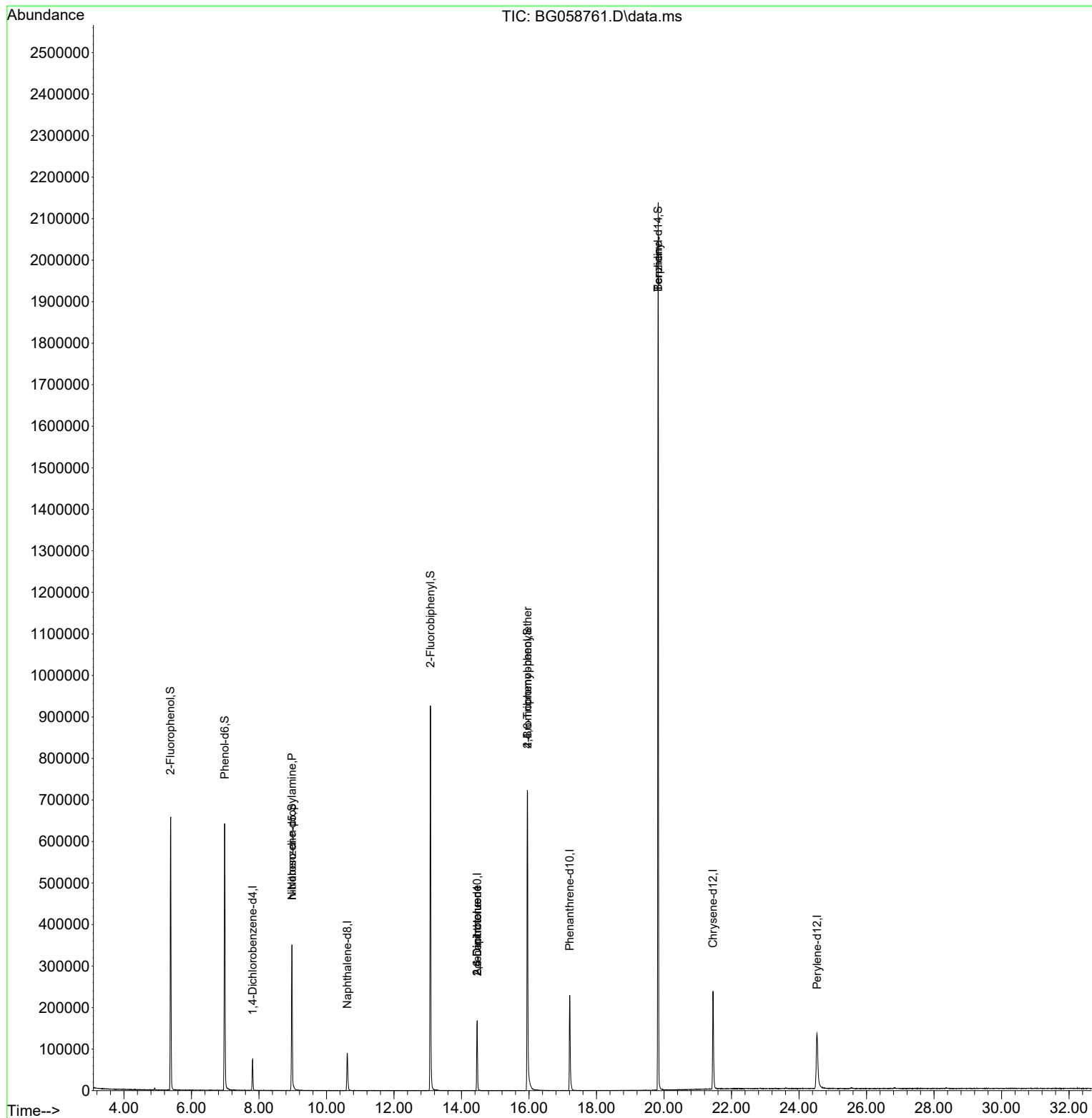
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	20756	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	91644	20.000	ng	# 0.00
39) Acenaphthene-d10	14.463	164	68886	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	186233	20.000	ng	# 0.00
76) Chrysene-d12	21.449	240	171002	20.000	ng	0.00
86) Perylene-d12	24.534	264	203916	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.380	112	269038	198.118	ng	0.00
7) Phenol-d6	6.984	99	358189	189.559	ng	0.00
23) Nitrobenzene-d5	8.976	82	221886	118.941	ng	0.00
42) 2,4,6-Tribromophenol	15.956	330	189551	167.879	ng	0.00
45) 2-Fluorobiphenyl	13.083	172	537687	116.972	ng	0.00
79) Terphenyl-d14	19.828	244	1120563	123.230	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.976	70	28045	22.978	ng	# 84
51) 2,6-Dinitrotoluene	14.463	165	9209	8.112	ng	# 22
57) 2,4-Dinitrotoluene	14.463	165	9209	5.852	ng	# 23
67) 4-Bromophenyl-phenylether	15.956	248	11974	5.669	ng	# 1
77) Benzidine	19.828	184	15859	6.116	ng	# 95

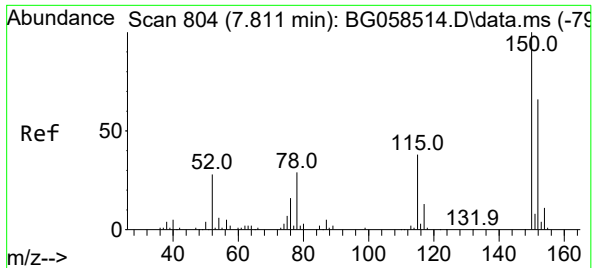
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

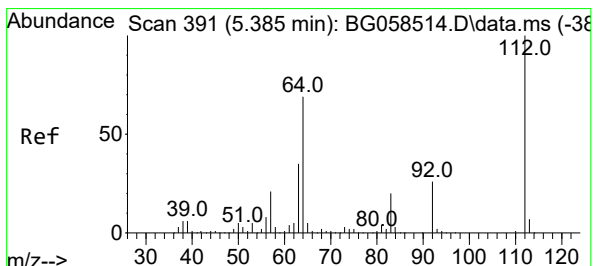
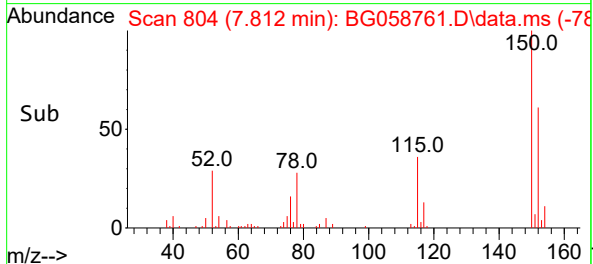
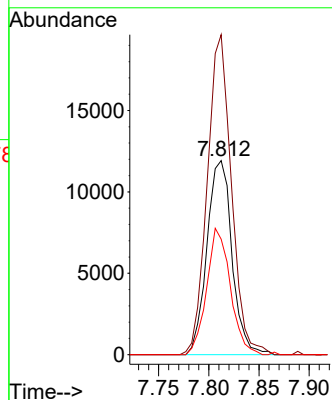
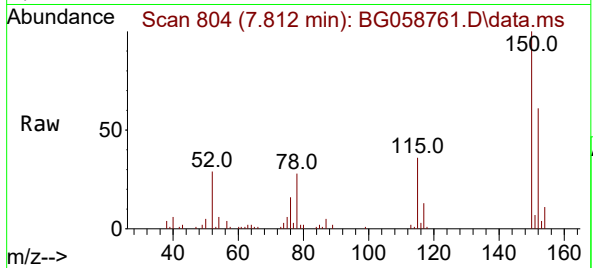




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

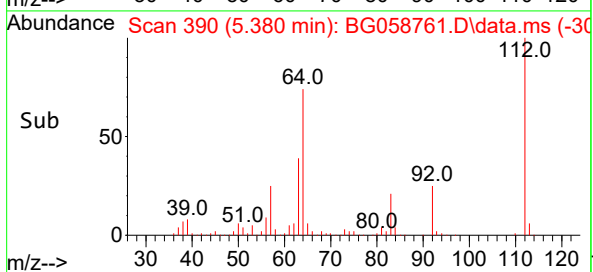
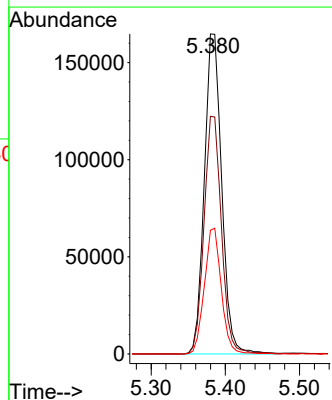
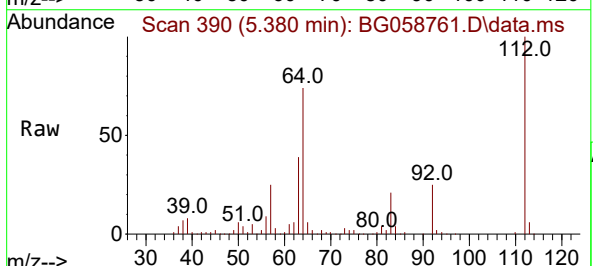
Instrument :
BNA_G
ClientSampleId :
PB154763TB

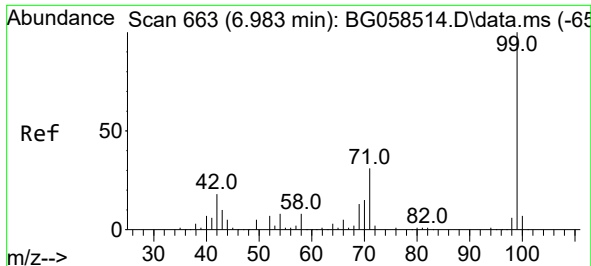
Tgt Ion:152 Resp: 20756
Ion Ratio Lower Upper
152 100
150 164.8 120.5 180.7
115 59.5 45.9 68.9



#5
2-Fluorophenol
Concen: 198.118 ng
RT: 5.380 min Scan# 390
Delta R.T. -0.005 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

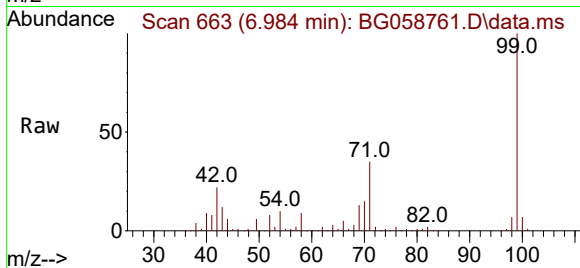
Tgt Ion:112 Resp: 269038
Ion Ratio Lower Upper
112 100
64 74.3 55.3 82.9
63 38.7 28.3 42.5



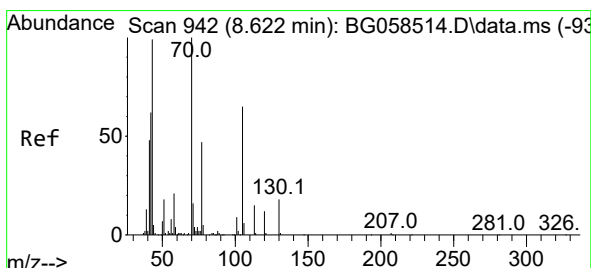
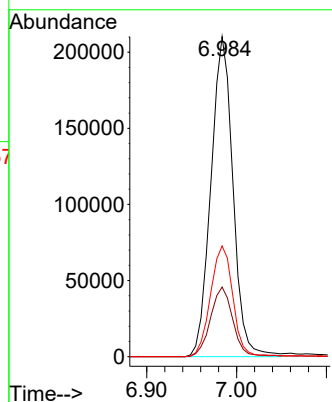
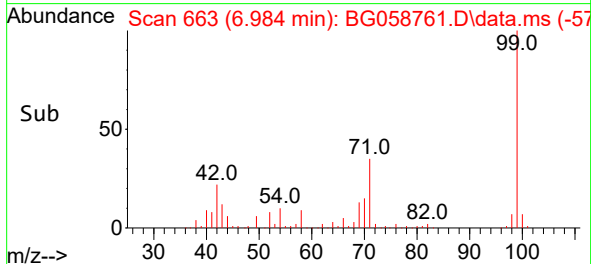


#7
Phenol-d6
Concen: 189.559 ng
RT: 6.984 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

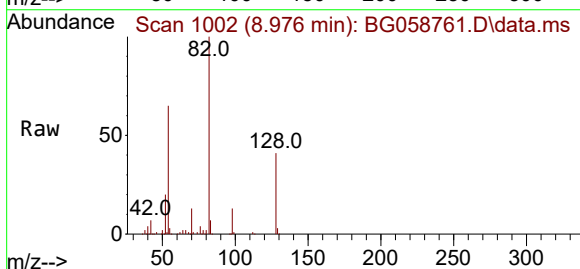
Instrument :
BNA_G
ClientSampleId :
PB154763TB



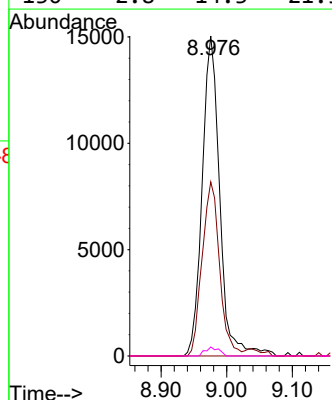
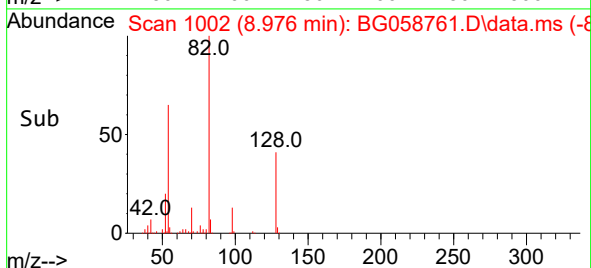
Tgt Ion: 99 Resp: 358189
Ion Ratio Lower Upper
99 100
42 21.8 14.6 21.8
71 34.6 25.0 37.4

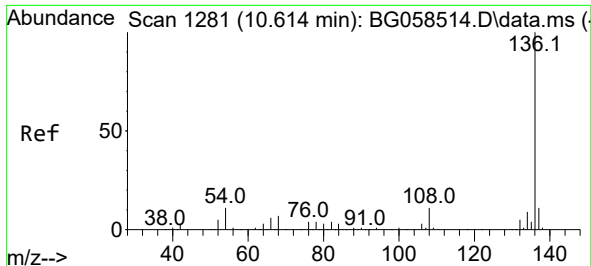


#19
n-Nitroso-di-n-propylamine
Concen: 22.978 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.354 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57



Tgt Ion: 70 Resp: 28045
Ion Ratio Lower Upper
70 100
42 54.4 49.7 74.5
101 0.0 7.0 10.4#
130 2.8 14.3 21.5#

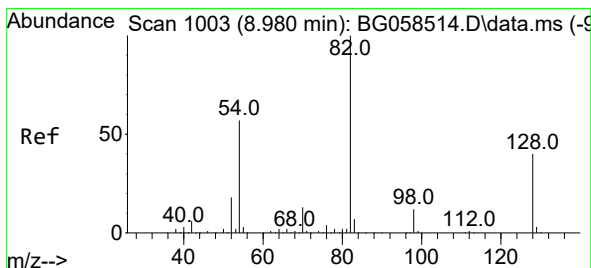
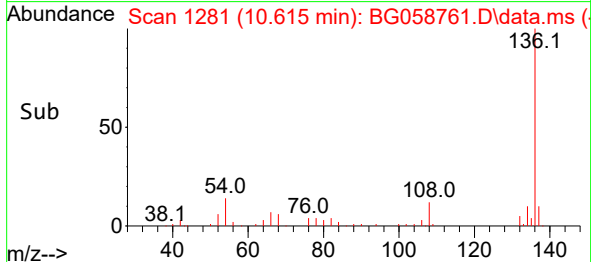
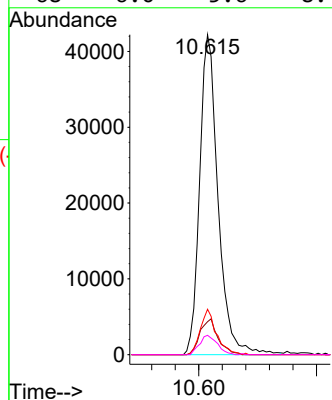
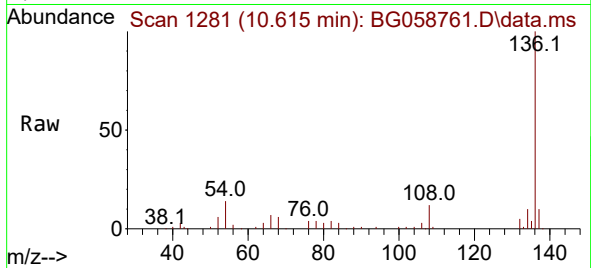




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.615 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

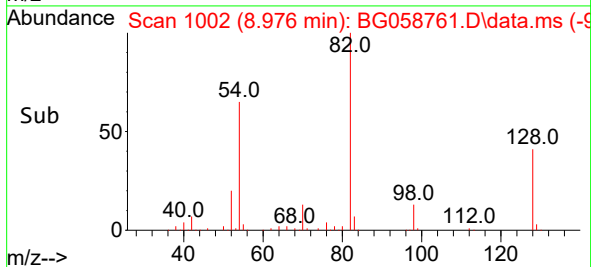
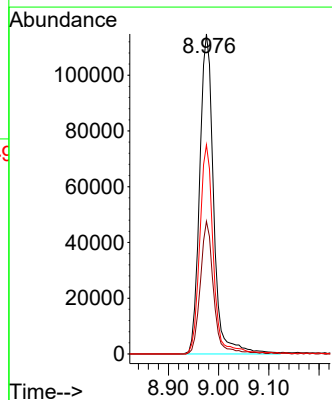
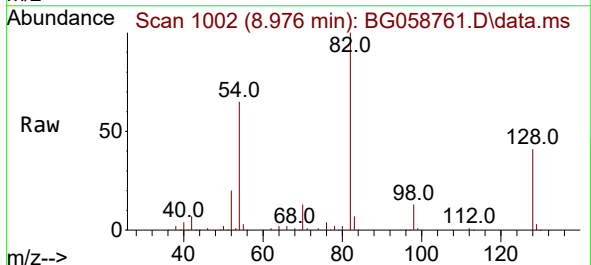
Instrument :
BNA_G
ClientSampleId :
PB154763TB

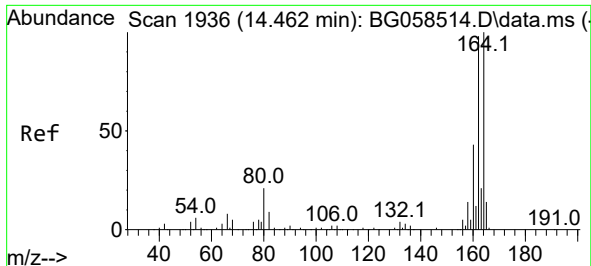
Tgt Ion:	136	Resp:	91644
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	14.2	8.9	13.3#
68	6.0	5.6	8.4



#23
Nitrobenzene-d5
Concen: 118.941 ng
RT: 8.976 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

Tgt Ion:	82	Resp:	221886
Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.2	48.2
54	65.3	46.0	69.0

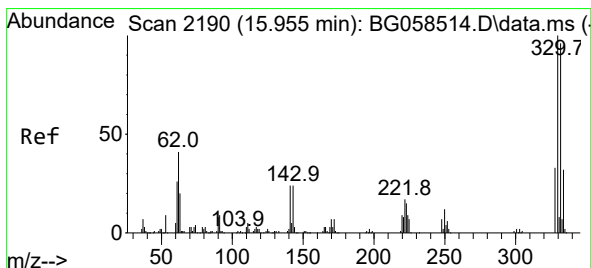
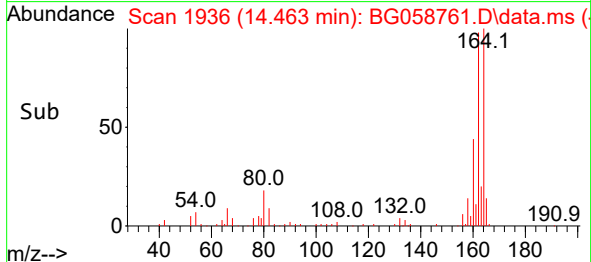
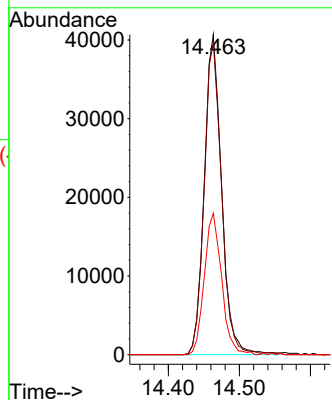
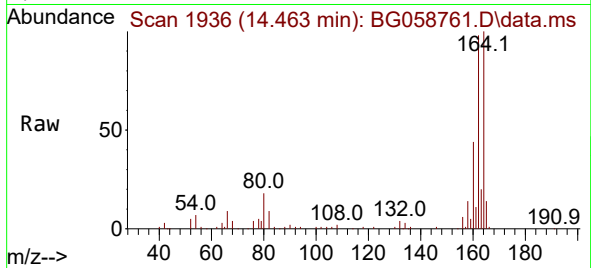




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

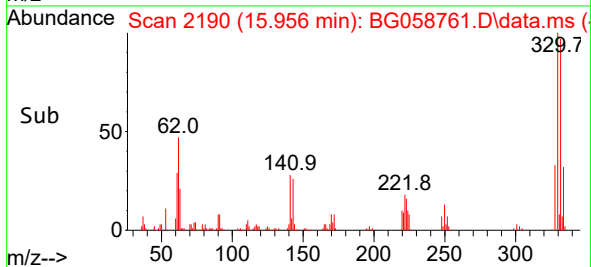
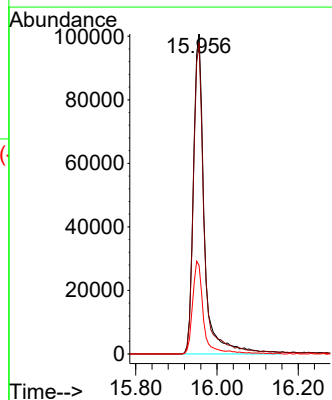
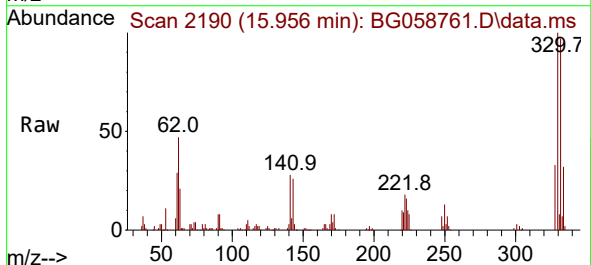
Instrument :
BNA_G
ClientSampleId :
PB154763TB

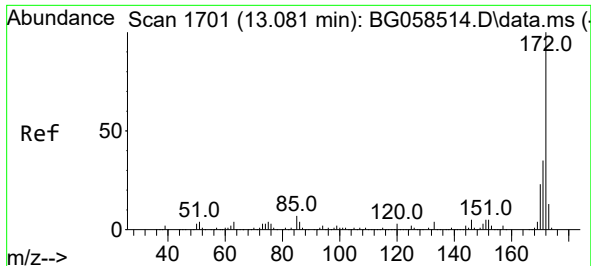
Tgt Ion:164 Resp: 68886
Ion Ratio Lower Upper
164 100
162 97.6 78.3 117.5
160 44.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 167.879 ng
RT: 15.956 min Scan# 2190
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

Tgt Ion:330 Resp: 189551
Ion Ratio Lower Upper
330 100
332 95.2 77.5 116.3
141 29.0 20.7 31.1

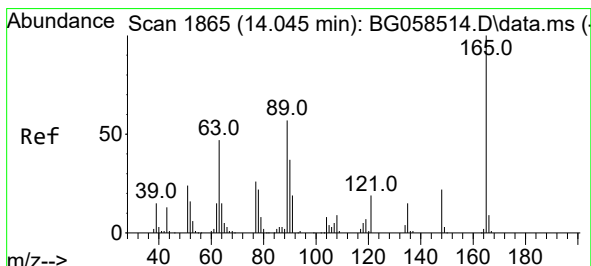
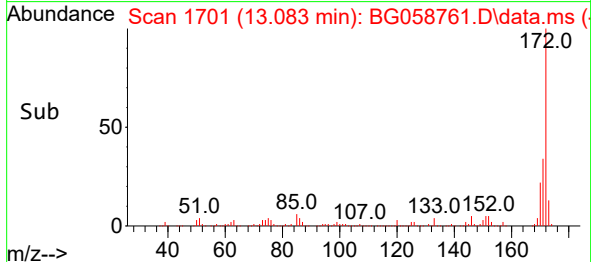
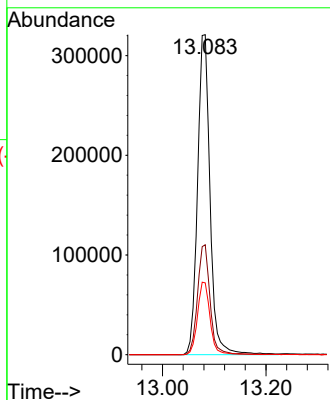
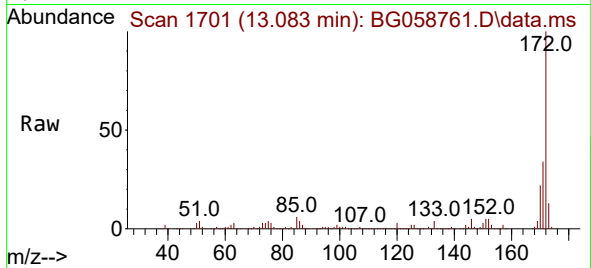




#45
2-Fluorobiphenyl
Concen: 116.972 ng
RT: 13.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

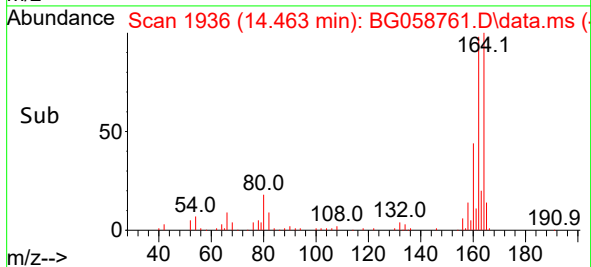
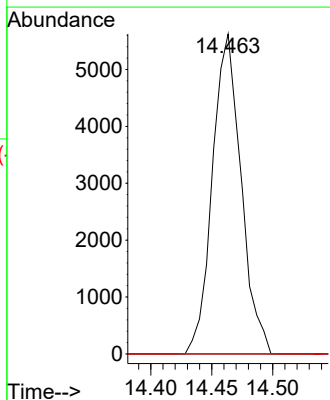
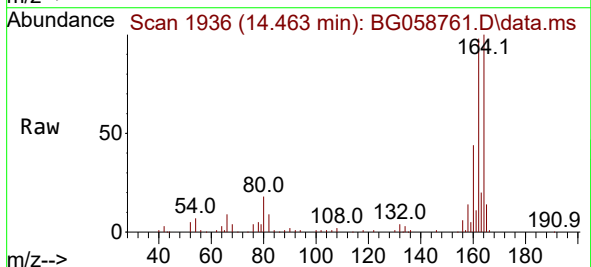
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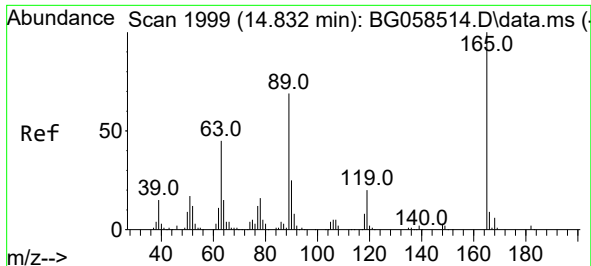
Tgt Ion:172 Resp: 537687
Ion Ratio Lower Upper
172 100
171 34.4 28.0 42.0
170 22.4 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 8.112 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.418 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

Tgt Ion:165 Resp: 9209
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.852 ng

RT: 14.463 min Scan# 1999

Delta R.T. -0.369 min

Lab File: BG058761.D

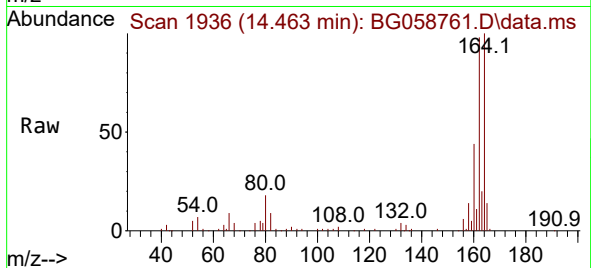
Acq: 17 Aug 2023 13:57

Instrument :

BNA_G

ClientSampleId :

PB154763TB



Tgt Ion:165 Resp: 9209

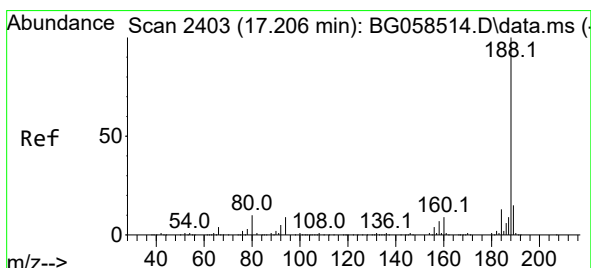
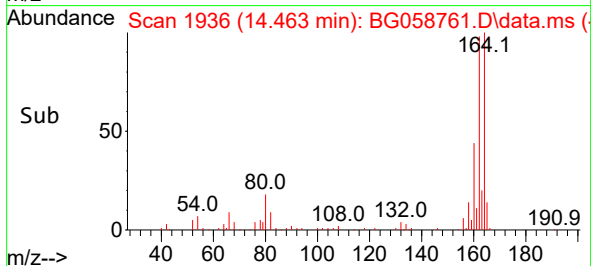
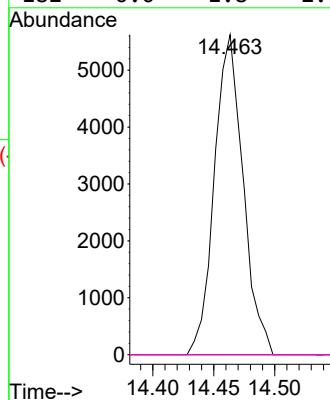
Ion Ratio Lower Upper

165 100

63 0.0 36.6 54.8#

89 0.0 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2403

Delta R.T. 0.001 min

Lab File: BG058761.D

Acq: 17 Aug 2023 13:57

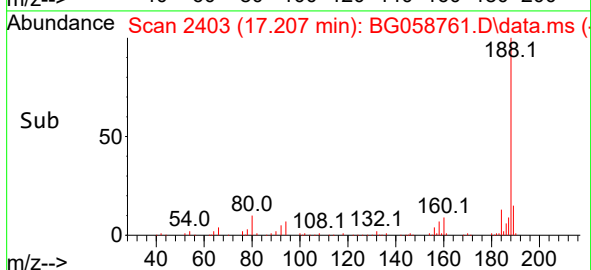
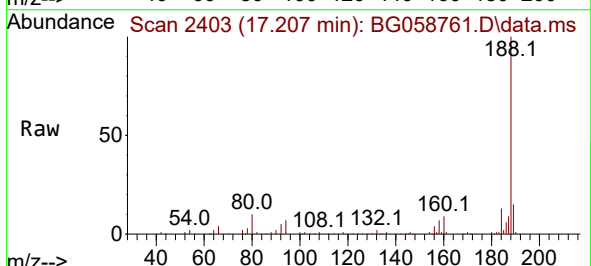
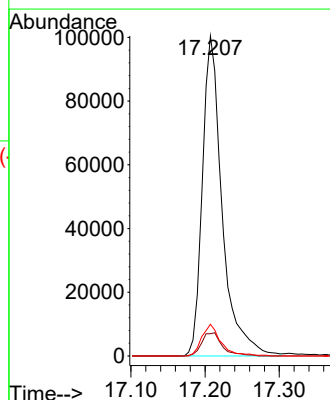
Tgt Ion:188 Resp: 186233

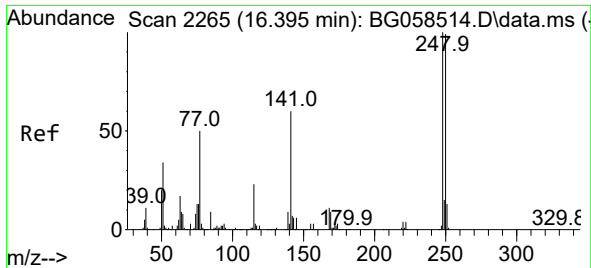
Ion Ratio Lower Upper

188 100

94 6.9 7.0 10.6#

80 9.9 8.1 12.1

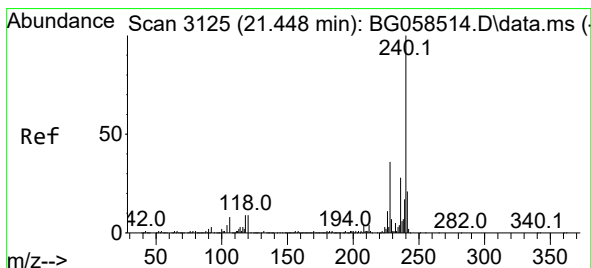
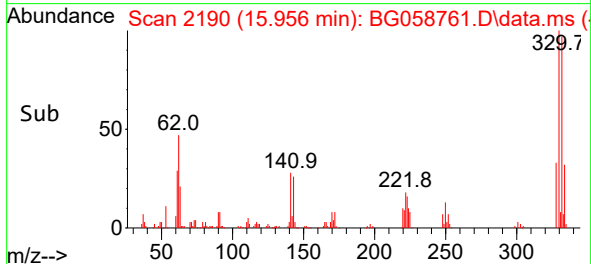
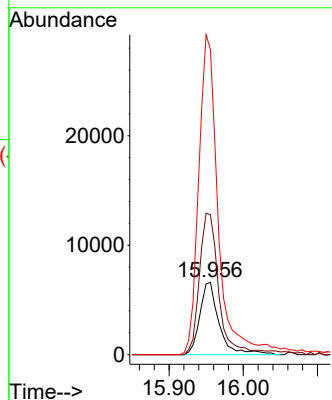
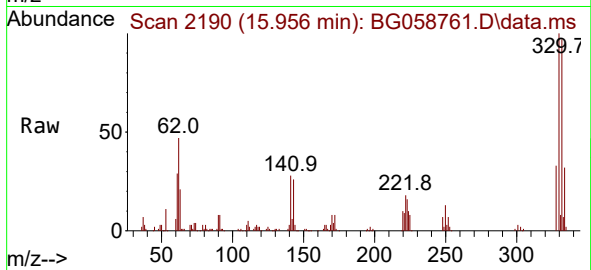




#67
4-Bromophenyl-phenylether
Concen: 5.669 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.440 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

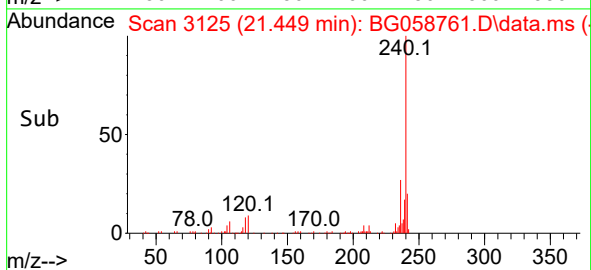
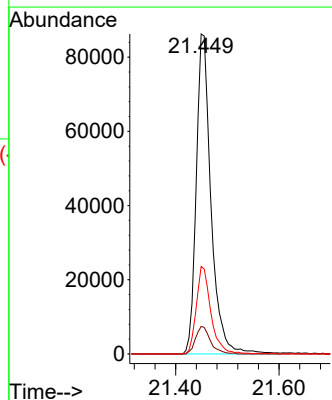
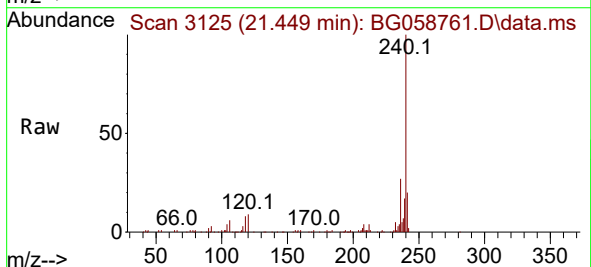
Instrument :
BNA_G
ClientSampleId :
PB154763TB

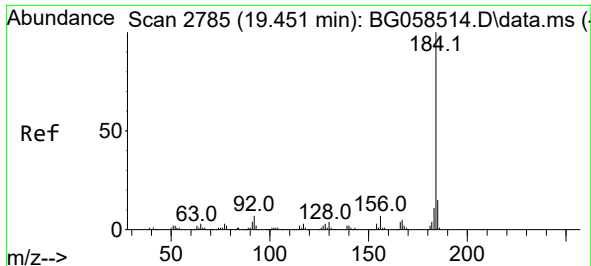
Tgt Ion:248 Resp: 11974
Ion Ratio Lower Upper
248 100
250 145.9 79.5 119.3#
141 317.7 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

Tgt Ion:240 Resp: 171002
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 27.4 22.2 33.4

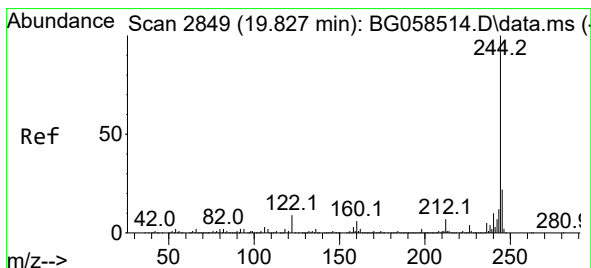
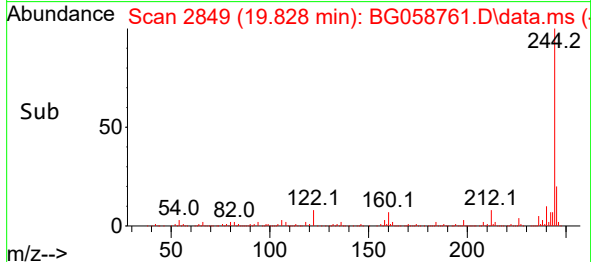
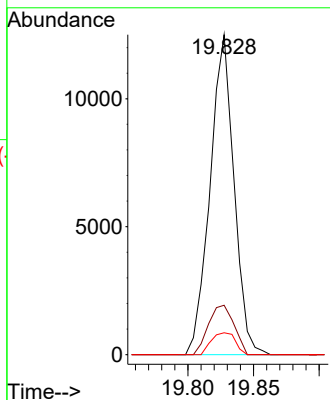
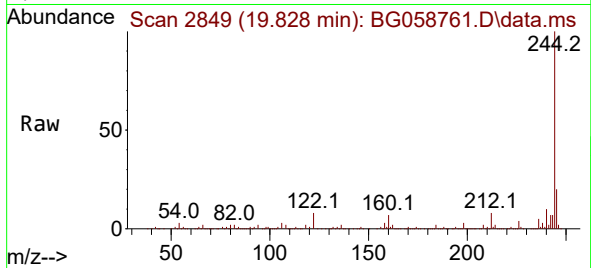




#77
Benzidine
Concen: 6.116 ng
RT: 19.828 min Scan# 2849
Delta R.T. 0.377 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

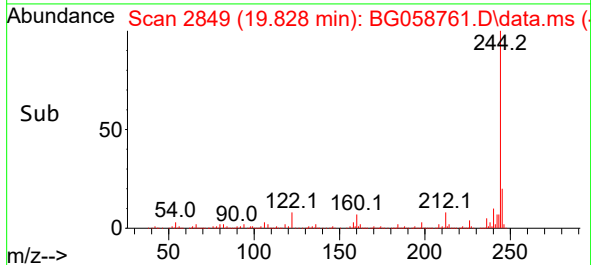
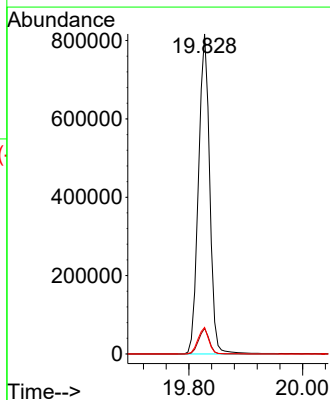
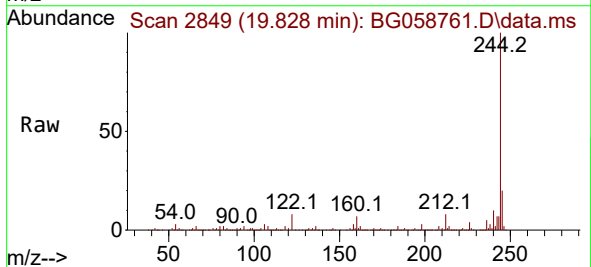
Instrument :
BNA_G
ClientSampleId :
PB154763TB

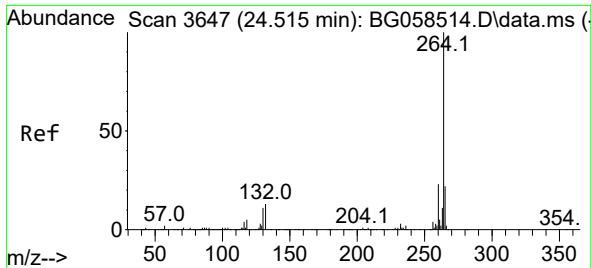
Tgt Ion:184 Resp: 15859
Ion Ratio Lower Upper
184 100
185 15.4 11.9 17.9
183 6.9 8.7 13.1#



#79
Terphenyl-d14
Concen: 123.230 ng
RT: 19.828 min Scan# 2849
Delta R.T. 0.001 min
Lab File: BG058761.D
Acq: 17 Aug 2023 13:57

Tgt Ion:244 Resp: 1120563
Ion Ratio Lower Upper
244 100
212 8.0 5.9 8.9
122 8.3 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.534 min Scan# 30
 Delta R.T. 0.019 min
 Lab File: BG058761.D
 Acq: 17 Aug 2023 13:57

Instrument :
 BNA_G
 ClientSampleId :
 PB154763TB

Tgt Ion:264 Resp: 203916
 Ion Ratio Lower Upper
 264 100
 260 21.4 18.4 27.6
 265 22.7 17.9 26.9

