

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080923\
 Data File : BG058659.D
 Acq On : 9 Aug 2023 15:07
 Operator : MA/JU
 Sample : PB154732BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB154732BL

Quant Time: Aug 09 15:43:35 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)

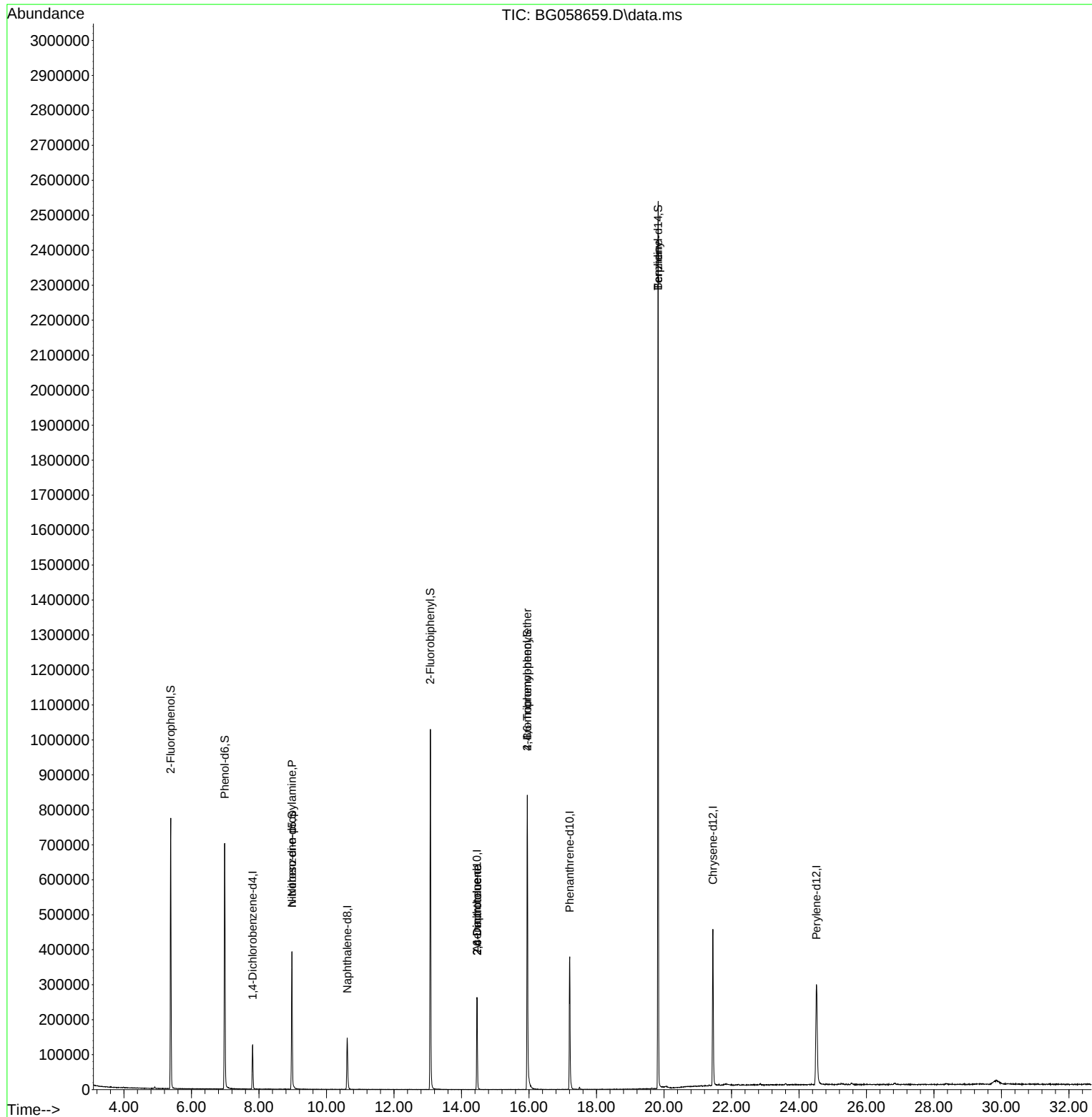
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	36071	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	145162	20.000	ng	0.00
39) Acenaphthene-d10	14.458	164	104863	20.000	ng	0.00
64) Phenanthrene-d10	17.208	188	283121	20.000	ng	0.00
76) Chrysene-d12	21.450	240	295164	20.000	ng	0.00
86) Perylene-d12	24.517	264	366383	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.386	112	320892	135.973	ng	0.00
7) Phenol-d6	6.984	99	428198	130.395	ng	0.00
23) Nitrobenzene-d5	8.976	82	249445	84.416	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	207628	120.800	ng	0.00
45) 2-Fluorobiphenyl	13.077	172	594301	84.931	ng	0.00
79) Terphenyl-d14	19.828	244	1374134	87.548	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.976	70	31425	14.815	ng	# 83
51) 2,6-Dinitrotoluene	14.464	165	13258	7.672	ng	# 24
57) 2,4-Dinitrotoluene	14.464	165	13258	5.534	ng	# 24
67) 4-Bromophenyl-phenylether	15.950	248	12465	3.882	ng	# 1
77) Benzidine	19.822	184	17170	3.836	ng	# 94

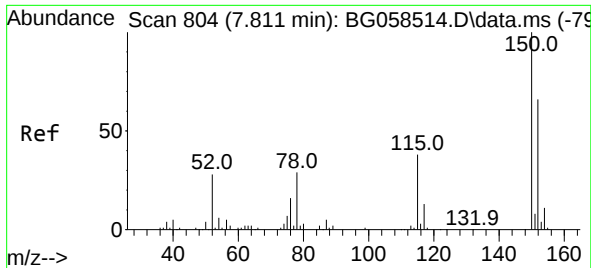
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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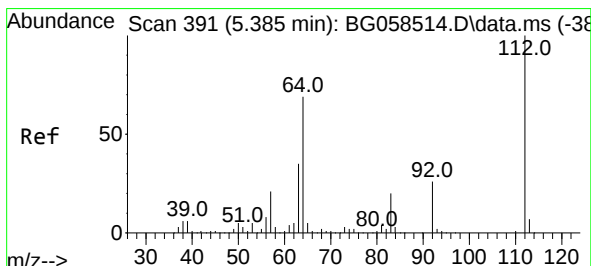
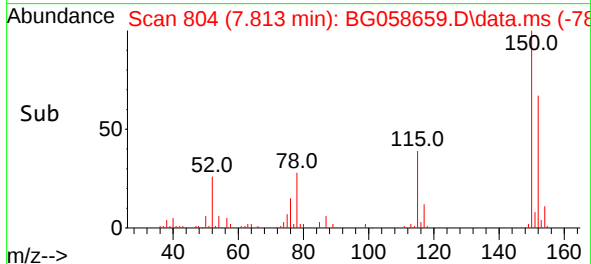
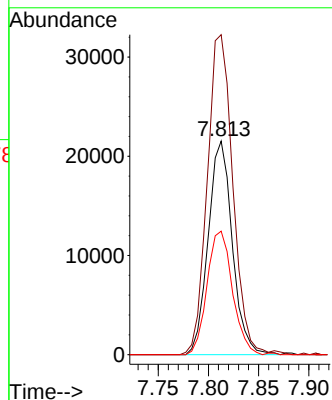
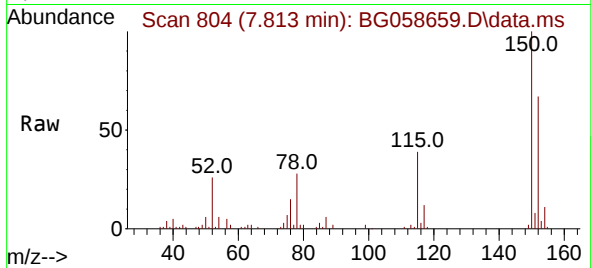




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.813 min Scan# 804
Delta R.T. 0.002 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

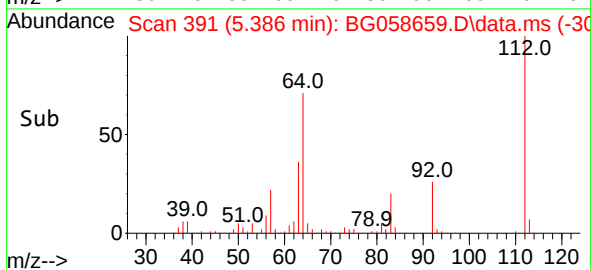
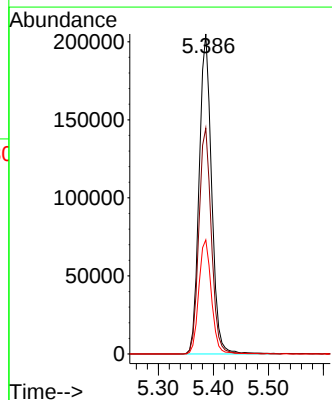
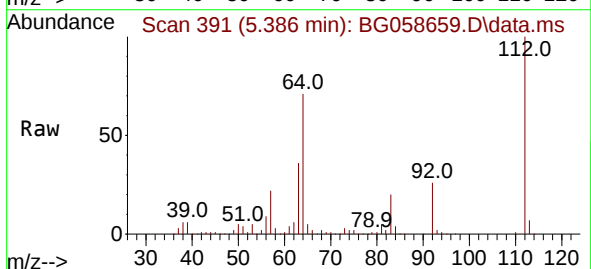
Instrument :
BNA_G
ClientSampleId :
PB154732BL

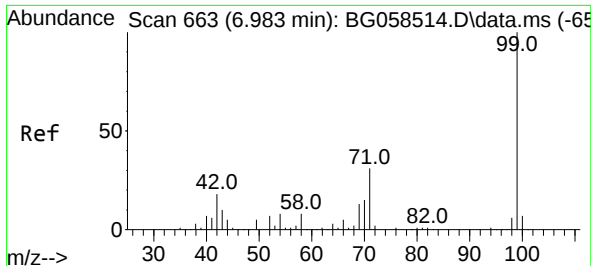
Tgt Ion:152 Resp: 36071
Ion Ratio Lower Upper
152 100
150 149.8 120.5 180.7
115 57.8 45.9 68.9



#5
2-Fluorophenol
Concen: 135.973 ng
RT: 5.386 min Scan# 391
Delta R.T. 0.002 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

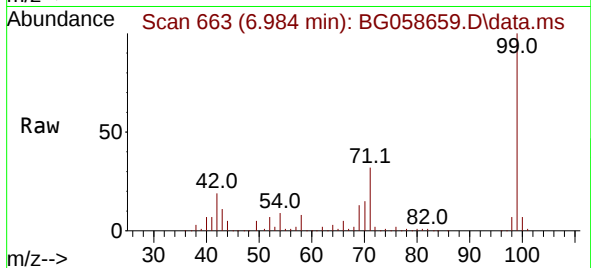
Tgt Ion:112 Resp: 320892
Ion Ratio Lower Upper
112 100
64 70.5 55.3 82.9
63 35.7 28.3 42.5



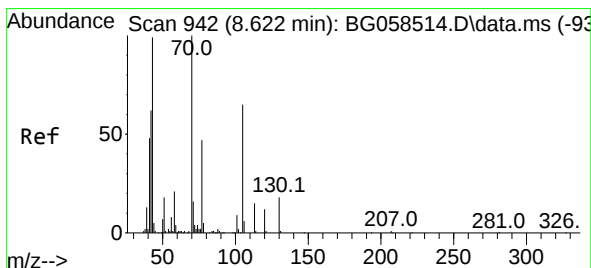
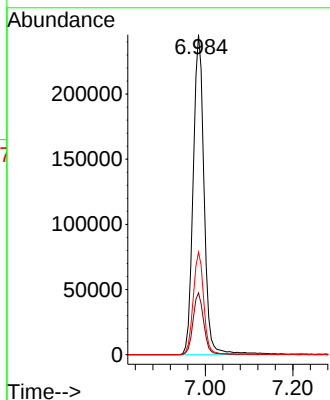
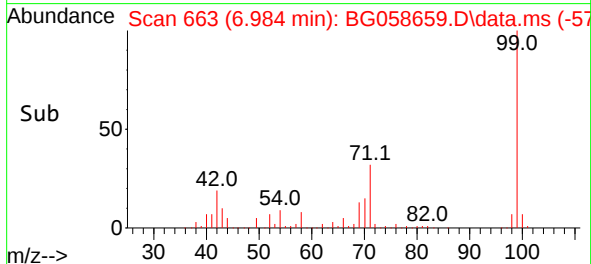


#7
Phenol-d6
Concen: 130.395 ng
RT: 6.984 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

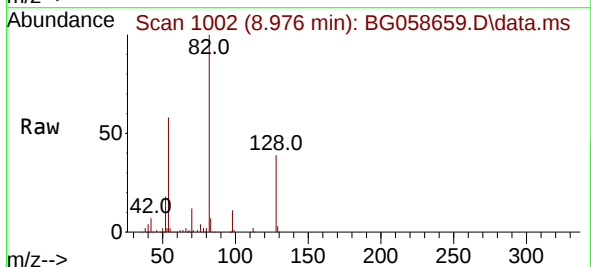
Instrument :
BNA_G
ClientSampleId :
PB154732BL



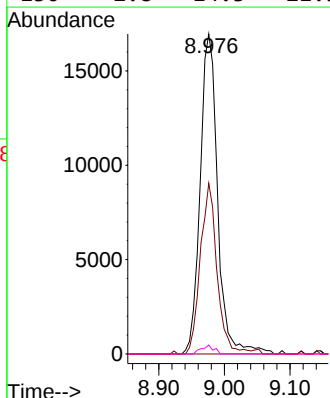
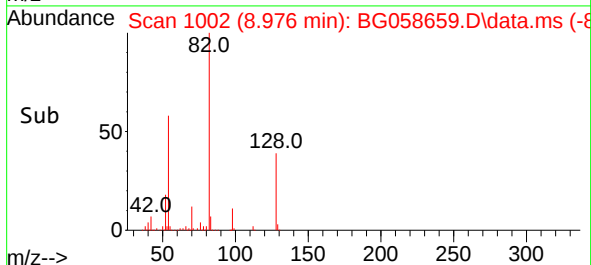
Tgt Ion: 99 Resp: 428198
Ion Ratio Lower Upper
99 100
42 19.3 14.6 21.8
71 32.0 25.0 37.4

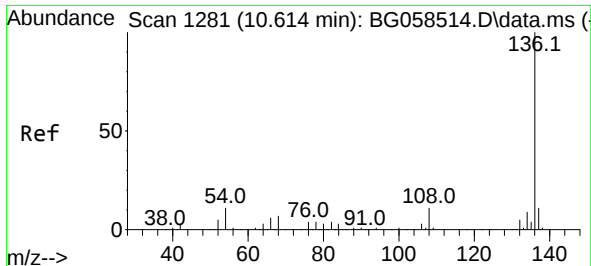


#19
n-Nitroso-di-n-propylamine
Concen: 14.815 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.354 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07



Tgt Ion: 70 Resp: 31425
Ion Ratio Lower Upper
70 100
42 53.4 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. 0.002 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

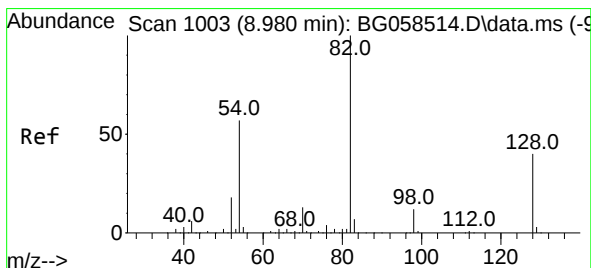
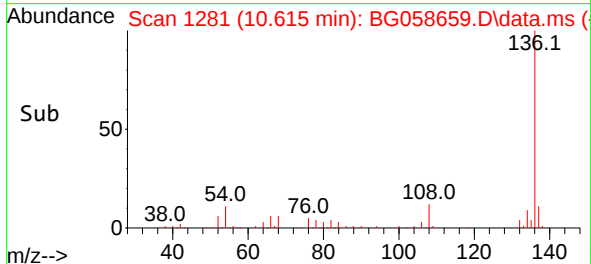
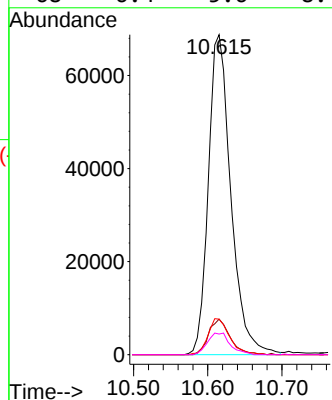
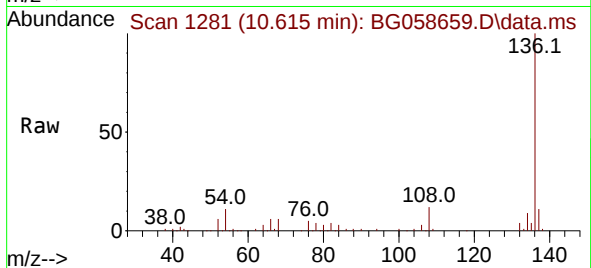
Instrument :

BNA_G

ClientSampleId :

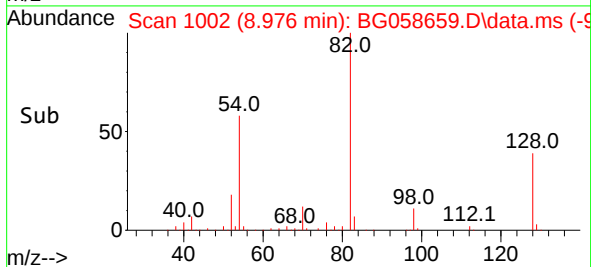
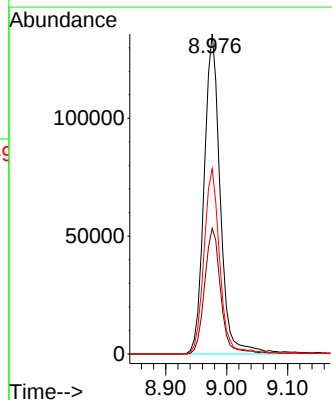
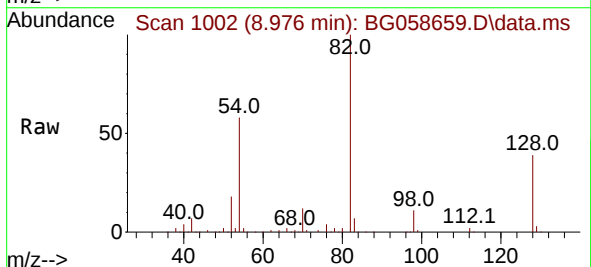
PB154732BL

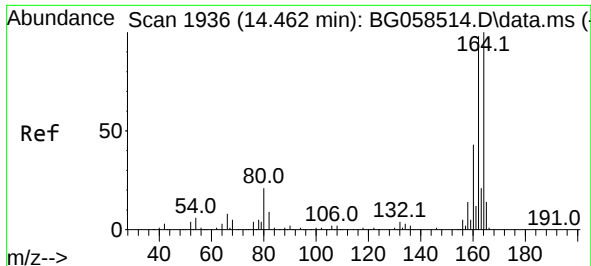
Tgt Ion:136 Resp: 145162
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 11.1 8.9 13.3
68 6.4 5.6 8.4



#23
Nitrobenzene-d5
Concen: 84.416 ng
RT: 8.976 min Scan# 1002
Delta R.T. -0.004 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

Tgt Ion: 82 Resp: 249445
Ion Ratio Lower Upper
82 100
128 39.3 32.2 48.2
54 57.9 46.0 69.0

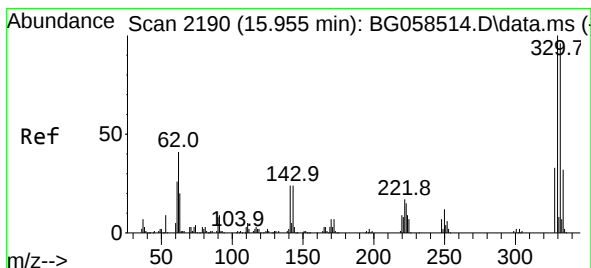
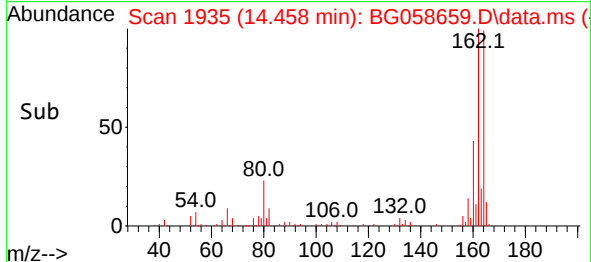
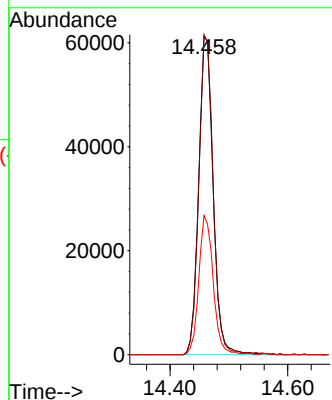
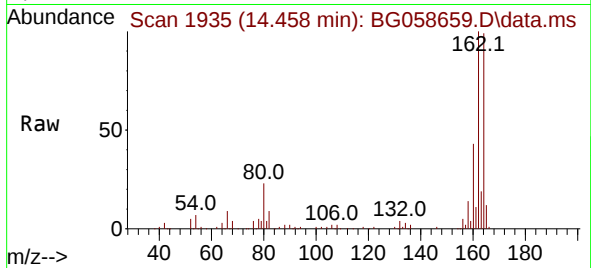




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.458 min Scan# 1936
Delta R.T. -0.004 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

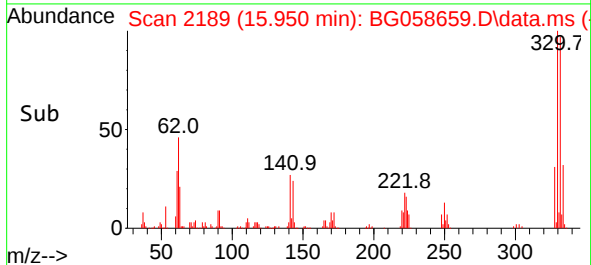
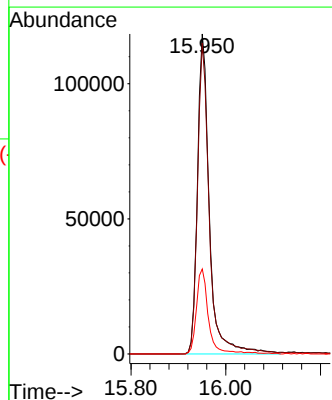
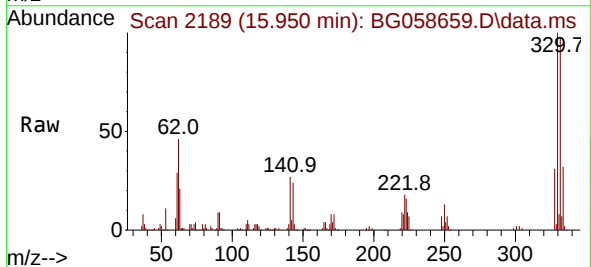
Instrument :
BNA_G
ClientSampleId :
PB154732BL

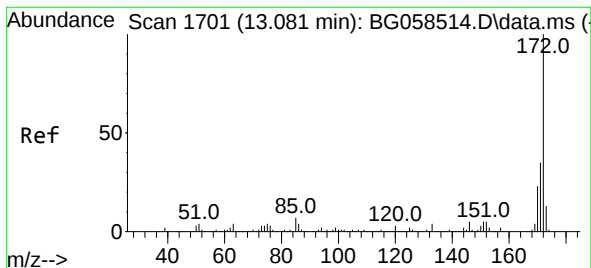
Tgt Ion:164 Resp: 104863
Ion Ratio Lower Upper
164 100
162 100.7 78.3 117.5
160 43.8 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 120.800 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.004 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

Tgt Ion:330 Resp: 207628
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 26.4 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 84.931 ng

RT: 13.077 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG058659.D

Acq: 9 Aug 2023 15:07

Instrument :

BNA_G

ClientSampleId :

PB154732BL

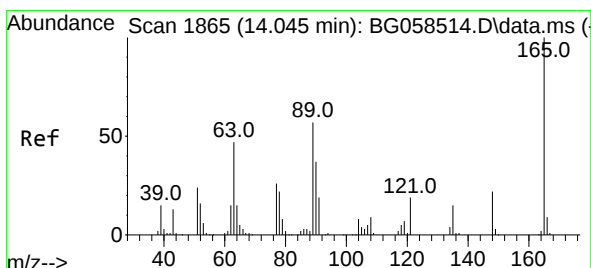
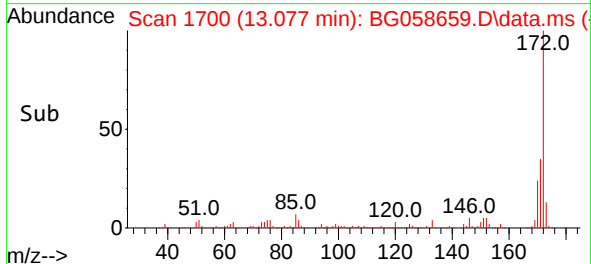
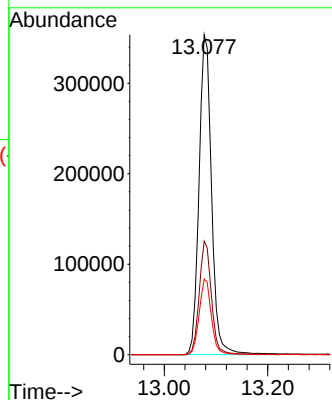
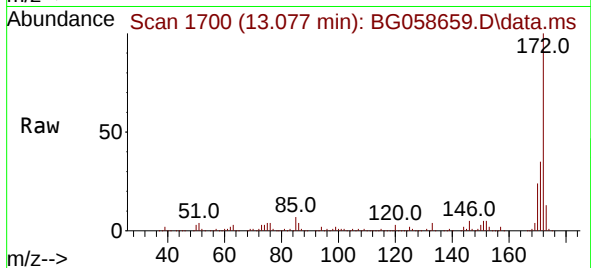
Tgt Ion:172 Resp: 594301

Ion Ratio Lower Upper

172 100

171 35.5 28.0 42.0

170 23.7 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 7.672 ng

RT: 14.464 min Scan# 1936

Delta R.T. 0.419 min

Lab File: BG058659.D

Acq: 9 Aug 2023 15:07

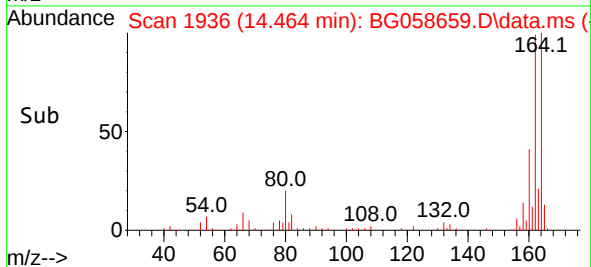
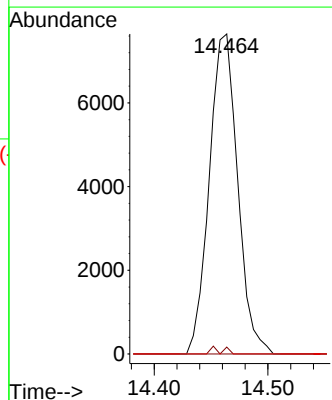
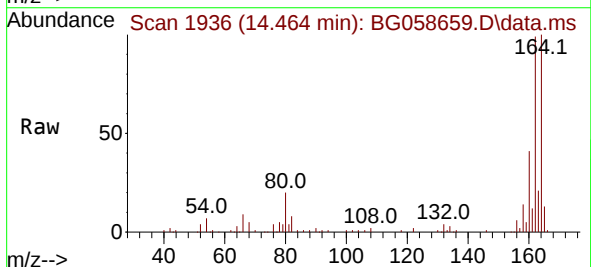
Tgt Ion:165 Resp: 13258

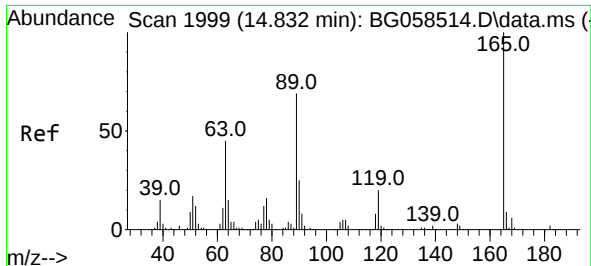
Ion Ratio Lower Upper

165 100

63 2.2 46.4 69.6#

89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.534 ng

RT: 14.464 min Scan# 1999

Delta R.T. -0.368 min

Lab File: BG058659.D

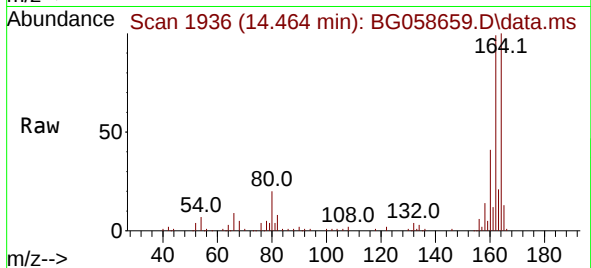
Acq: 9 Aug 2023 15:07

Instrument :

BNA_G

ClientSampleId :

PB154732BL



Tgt Ion:165 Resp: 13258

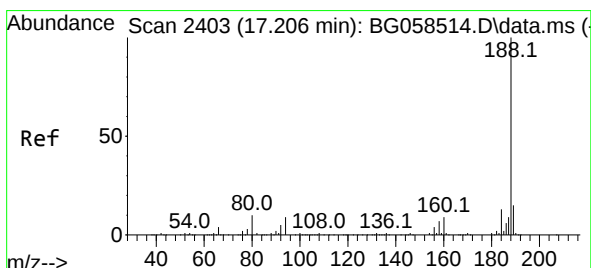
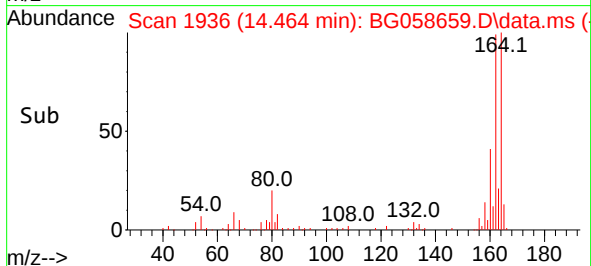
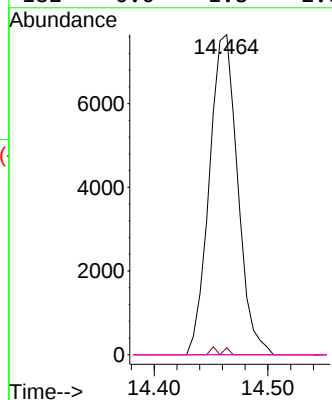
Ion Ratio Lower Upper

165 100

63 2.2 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: 17.208 min Scan# 2403

Delta R.T. 0.002 min

Lab File: BG058659.D

Acq: 9 Aug 2023 15:07

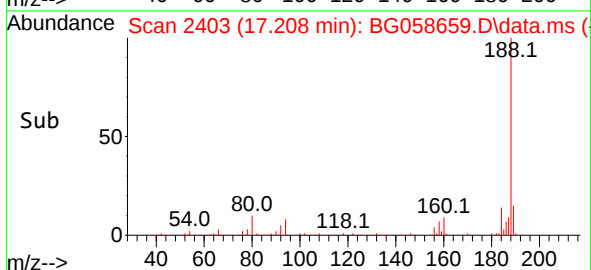
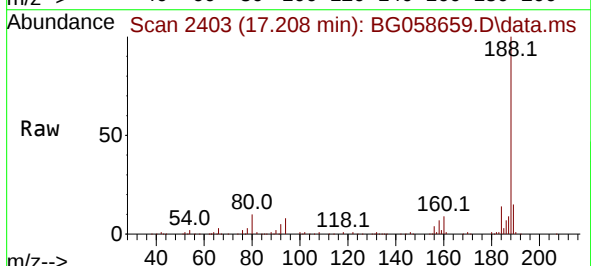
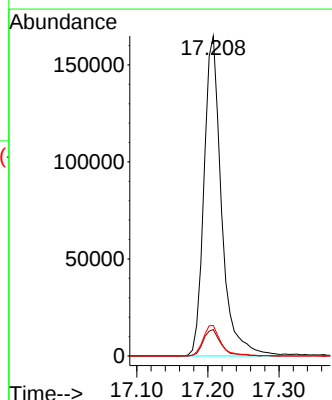
Tgt Ion:188 Resp: 283121

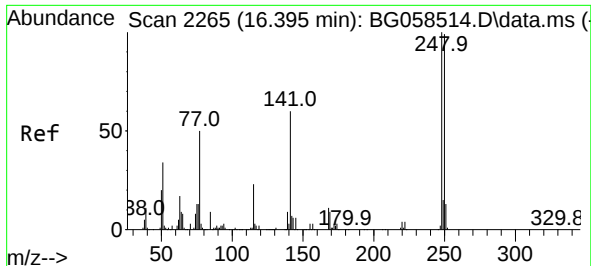
Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

80 9.5 8.1 12.1

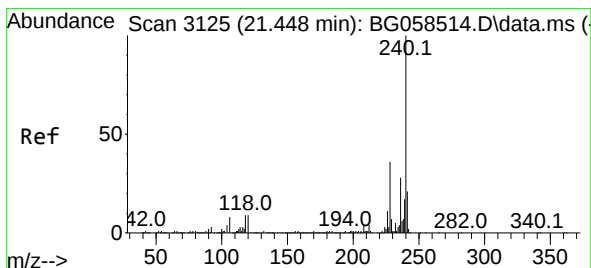
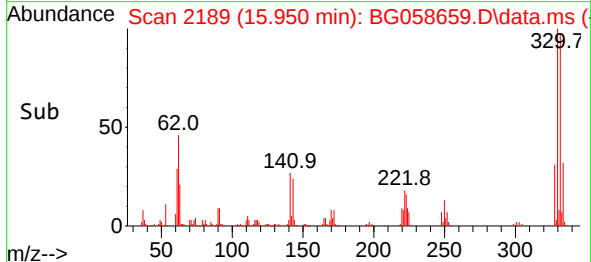
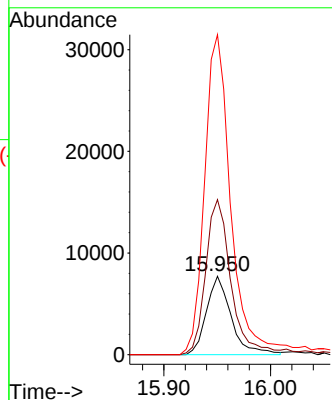
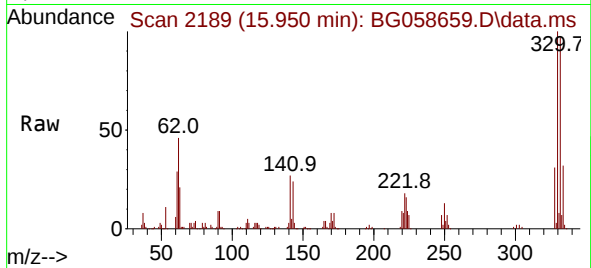




#67
4-Bromophenyl-phenylether
Concen: 3.882 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.445 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

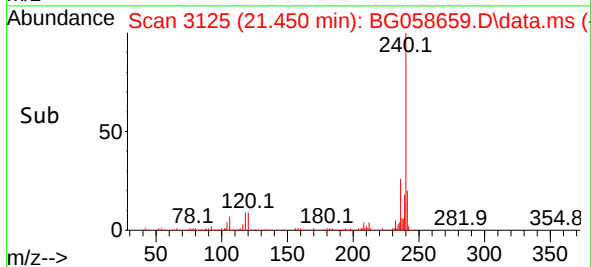
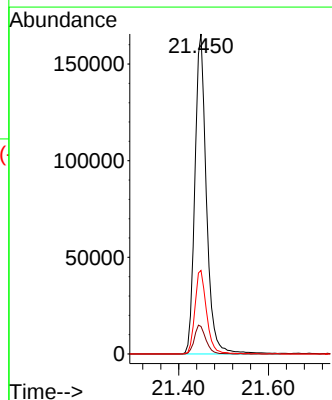
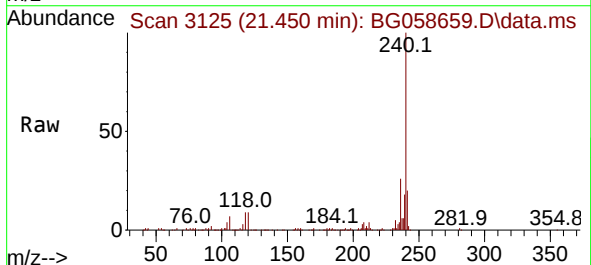
Instrument :
BNA_G
ClientSampleId :
PB154732BL

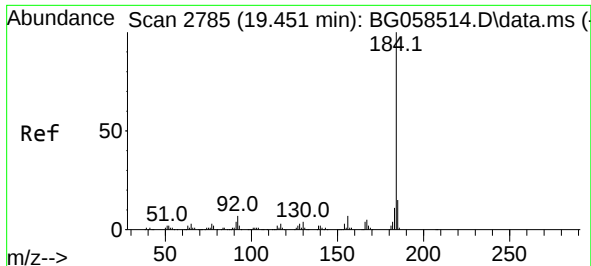
Tgt Ion:248 Resp: 12465
Ion Ratio Lower Upper
248 100
250 197.5 79.5 119.3#
141 407.8 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3125
Delta R.T. 0.002 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

Tgt Ion:240 Resp: 295164
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 26.1 22.2 33.4

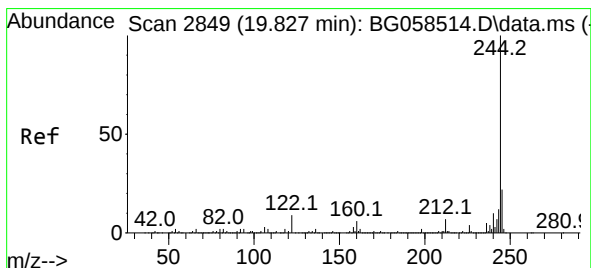
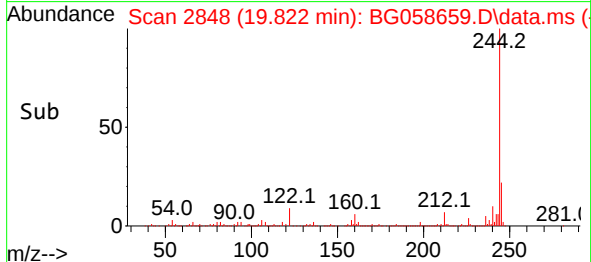
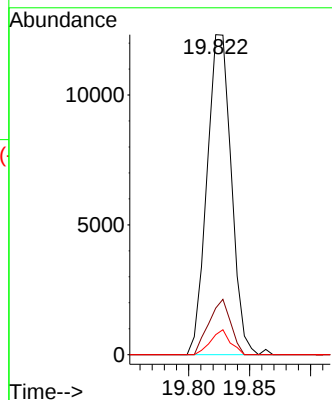
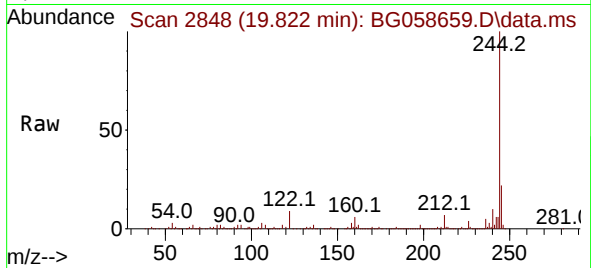




#77
Benzidine
Concen: 3.836 ng
RT: 19.822 min Scan# 21
Delta R.T. 0.372 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

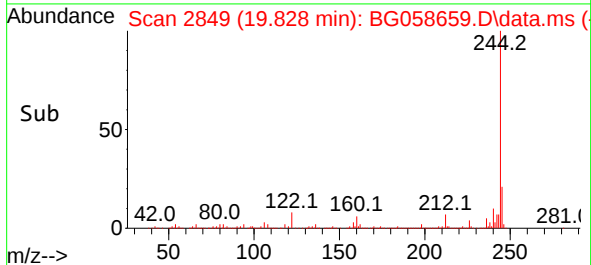
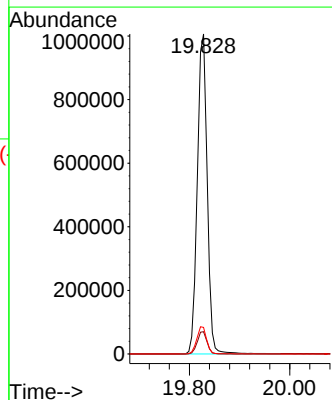
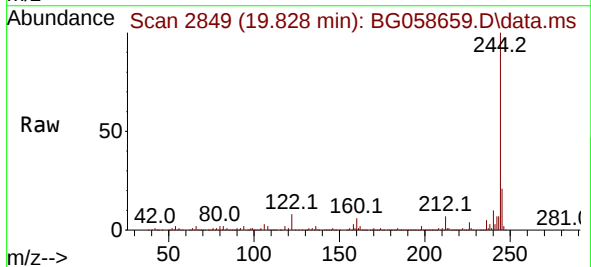
Instrument :
BNA_G
ClientSampleId :
PB154732BL

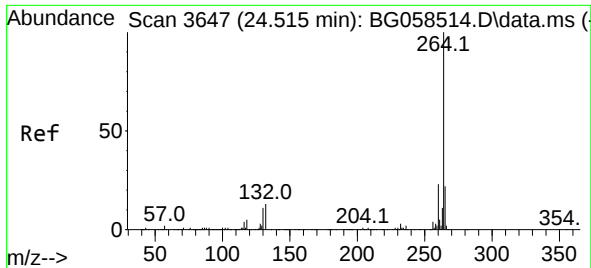
Tgt Ion:184 Resp: 17170
Ion Ratio Lower Upper
184 100
185 14.6 11.9 17.9
183 6.2 8.7 13.1#



#79
Terphenyl-d14
Concen: 87.548 ng
RT: 19.828 min Scan# 2849
Delta R.T. 0.002 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

Tgt Ion:244 Resp: 1374134
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 8.3 6.8 10.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.517 min Scan# 30
Delta R.T. 0.002 min
Lab File: BG058659.D
Acq: 9 Aug 2023 15:07

Instrument :
BNA_G
ClientSampleId :
PB154732BL

Tgt Ion:264 Resp: 366383

Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	21.3	17.9	26.9

