

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081023\
 Data File : BG058682.D
 Acq On : 10 Aug 2023 17:03
 Operator : MA/JU
 Sample : 03955-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-24

Quant Time: Aug 11 01:56:05 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)

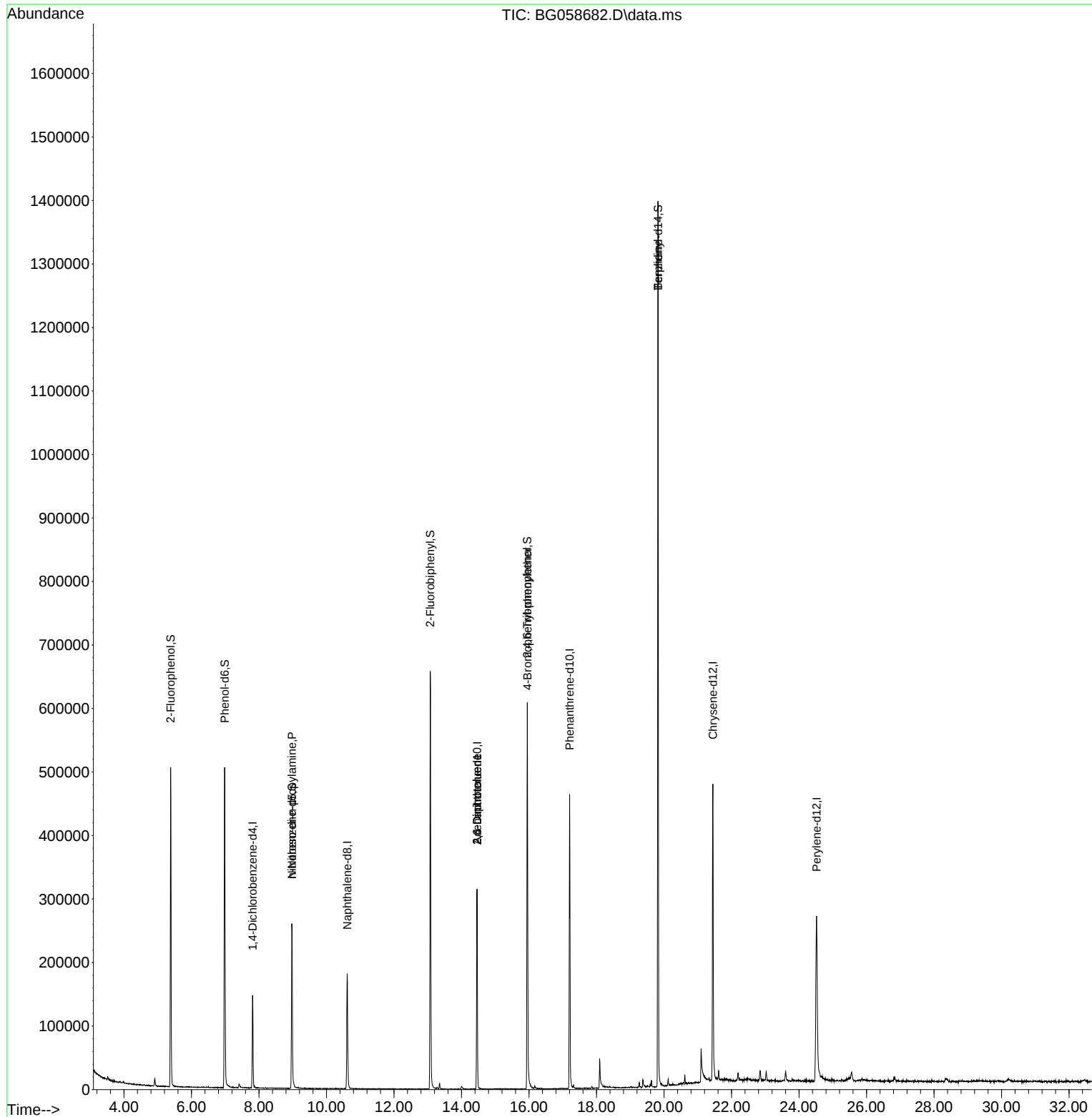
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	39928	20.000	ng	0.00
21) Naphthalene-d8	10.613	136	171257	20.000	ng	0.00
39) Acenaphthene-d10	14.462	164	122598	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	315976	20.000	ng	0.00
76) Chrysene-d12	21.448	240	292228	20.000	ng	0.00
86) Perylene-d12	24.521	264	337675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	214628	82.160	ng	0.00
7) Phenol-d6	6.982	99	316115	86.965	ng	0.00
23) Nitrobenzene-d5	8.974	82	171486	49.191	ng	0.00
42) 2,4,6-Tribromophenol	15.948	330	148657	73.978	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	392721	48.005	ng	0.00
79) Terphenyl-d14	19.820	244	787217	50.658	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.974	70	21401	9.115	ng	Qvalue # 78
51) 2,6-Dinitrotoluene	14.462	165	15376	7.611	ng	# 24
57) 2,4-Dinitrotoluene	14.462	165	15376	5.490	ng	# 24
67) 4-Bromophenyl-phenylether	15.954	248	9001	2.512	ng	# 1
77) Benzidine	19.820	184	9326	2.105	ng	# 94

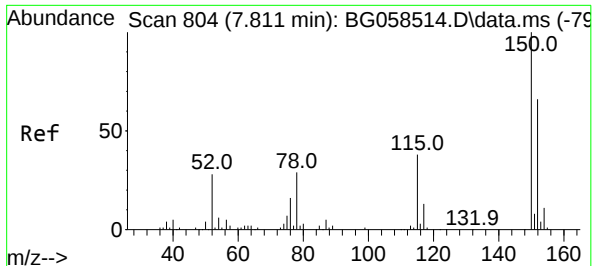
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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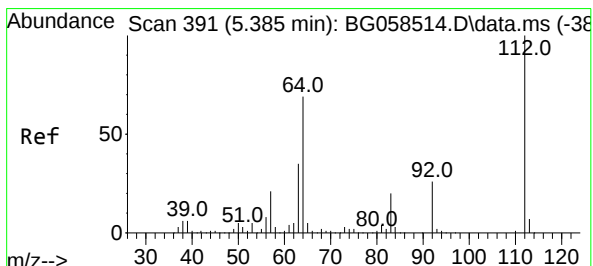
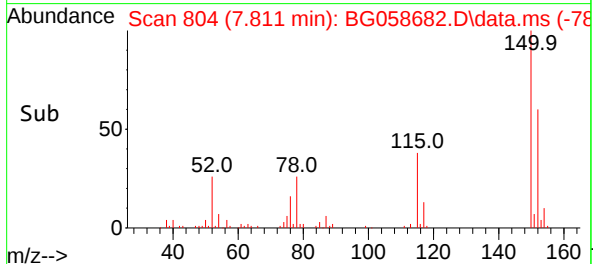
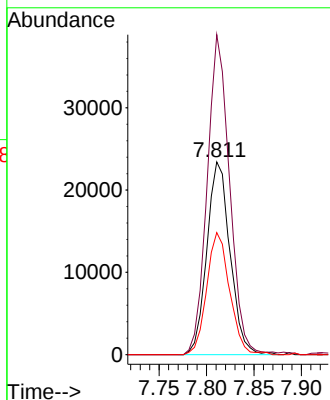
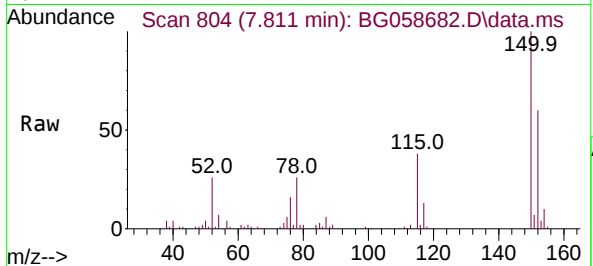




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. -0.000 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

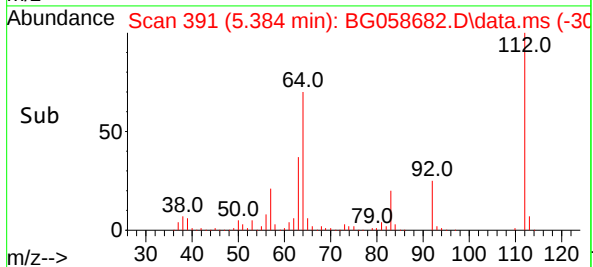
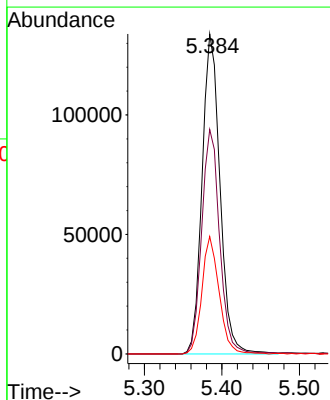
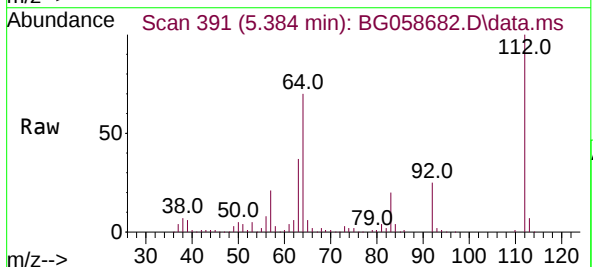
Instrument :
BNA_G
ClientSampleId :
WC-24

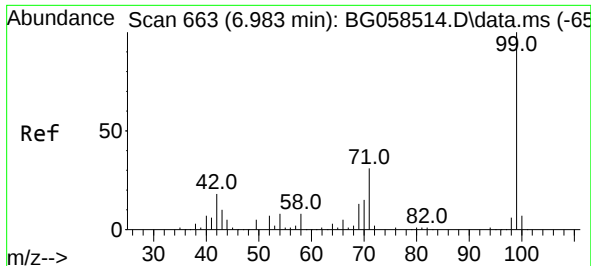
Tgt Ion:152 Resp: 39928
Ion Ratio Lower Upper
152 100
150 166.0 120.5 180.7
115 63.3 45.9 68.9



#5
2-Fluorophenol
Concen: 82.160 ng
RT: 5.384 min Scan# 391
Delta R.T. -0.000 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

Tgt Ion:112 Resp: 214628
Ion Ratio Lower Upper
112 100
64 70.1 55.3 82.9
63 36.7 28.3 42.5

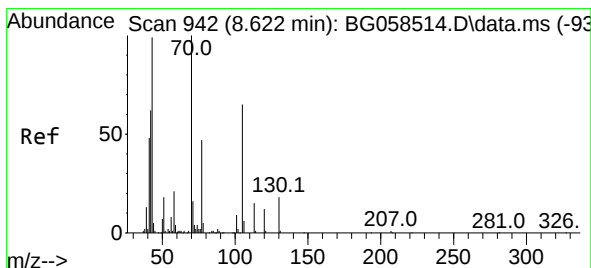
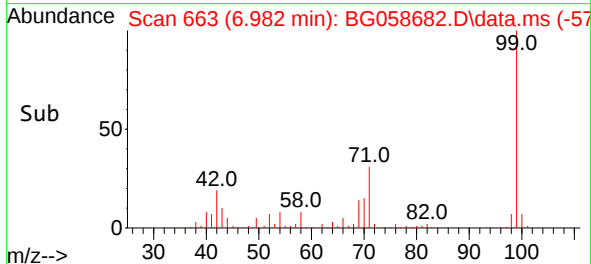
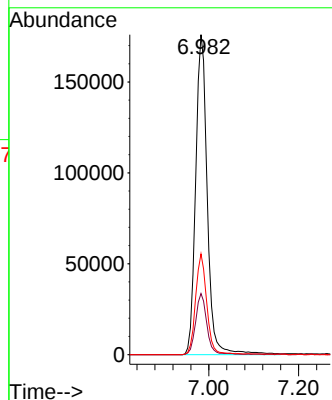
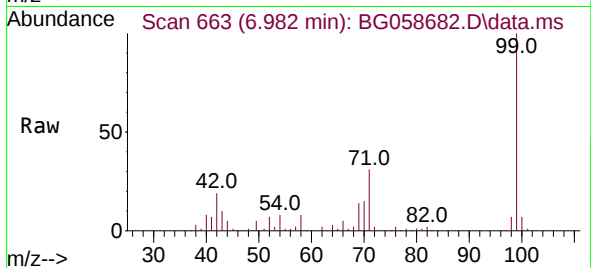




#7
Phenol-d6
Concen: 86.965 ng
RT: 6.982 min Scan# 60
Delta R.T. -0.000 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

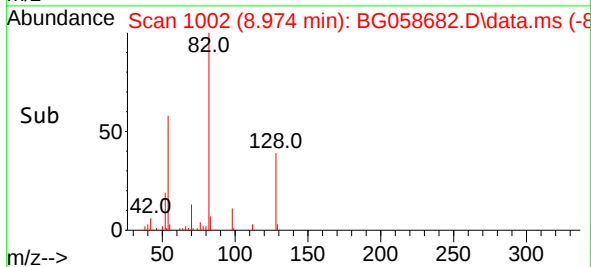
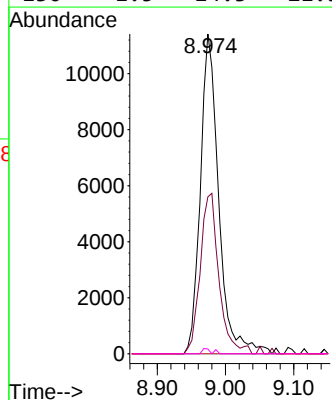
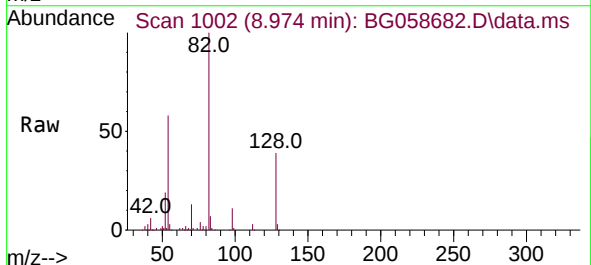
Instrument :
BNA_G
ClientSampleId :
WC-24

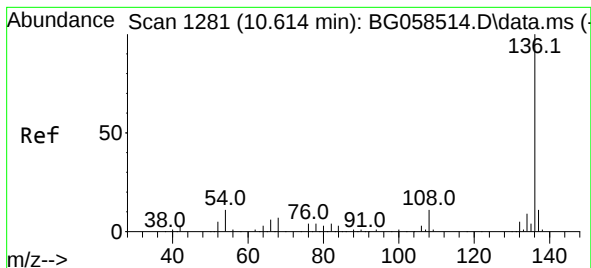
Tgt Ion: 99 Resp: 316115
Ion Ratio Lower Upper
99 100
42 19.1 14.6 21.8
71 31.5 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.115 ng
RT: 8.974 min Scan# 1002
Delta R.T. 0.352 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

Tgt Ion: 70 Resp: 21401
Ion Ratio Lower Upper
70 100
42 49.1 49.7 74.5#
101 0.0 7.0 10.4#
130 1.5 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.613 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG058682.D

Acq: 10 Aug 2023 17:03

Instrument :

BNA_G

ClientSampleId :

WC-24

Tgt Ion:136 Resp: 171257

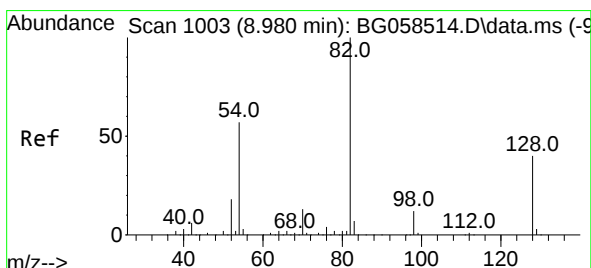
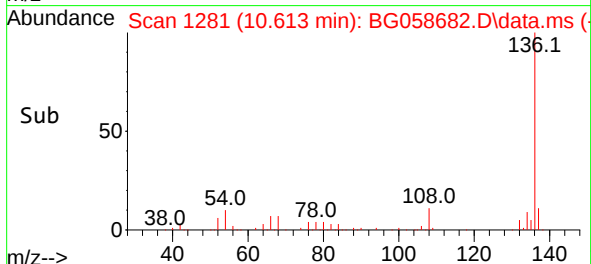
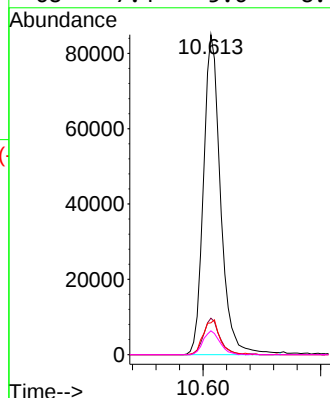
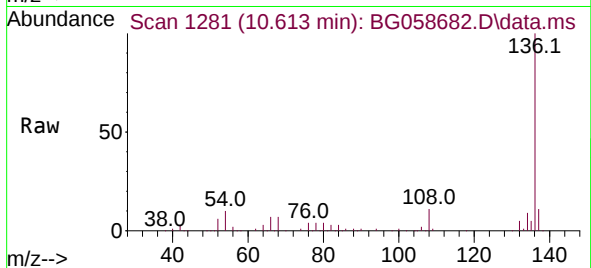
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 9.9 8.9 13.3

68 7.4 5.6 8.4



#23

Nitrobenzene-d5

Concen: 49.191 ng

RT: 8.974 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BG058682.D

Acq: 10 Aug 2023 17:03

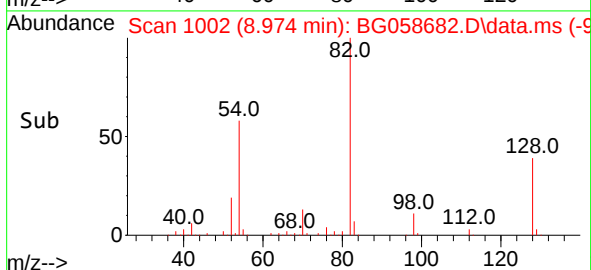
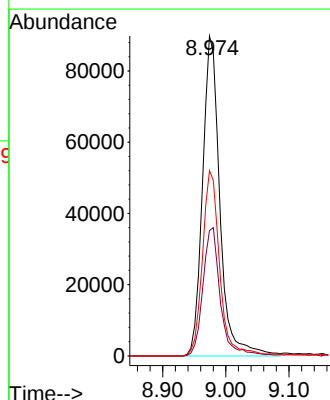
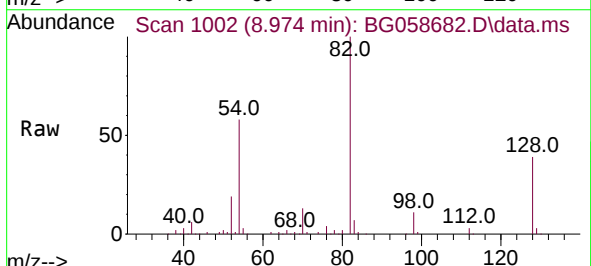
Tgt Ion: 82 Resp: 171486

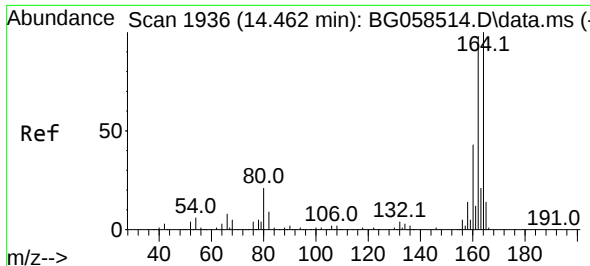
Ion Ratio Lower Upper

82 100

128 39.2 32.2 48.2

54 57.9 46.0 69.0

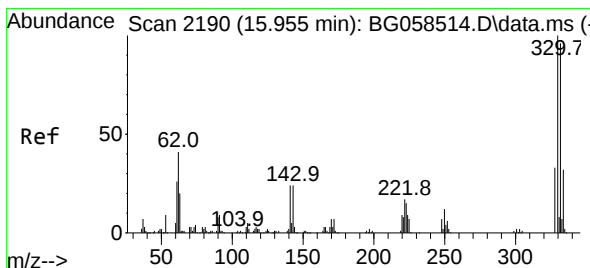
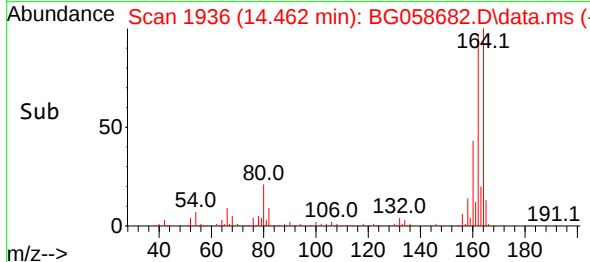
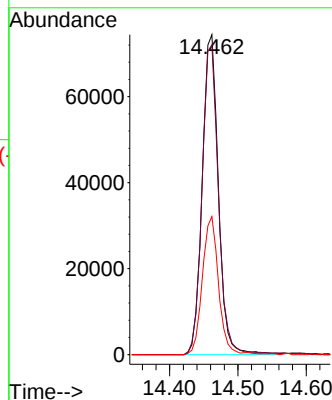
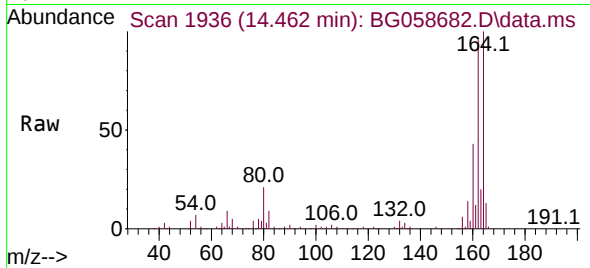




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.462 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

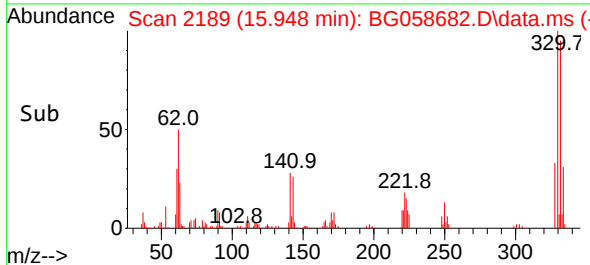
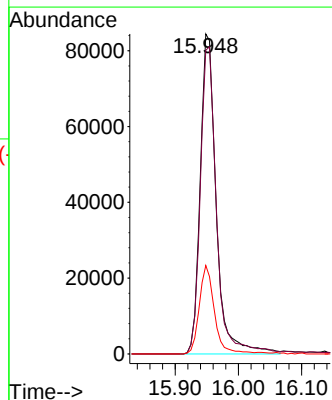
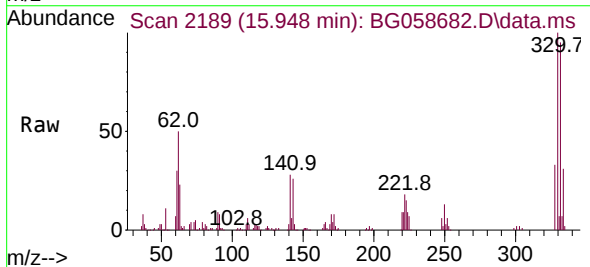
Instrument :
BNA_G
ClientSampleId :
WC-24

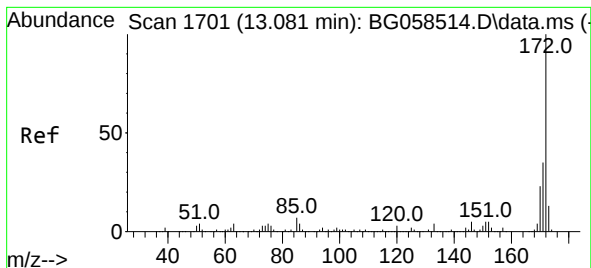
Tgt Ion:164 Resp: 122598
Ion Ratio Lower Upper
164 100
162 96.8 78.3 117.5
160 43.1 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 73.978 ng
RT: 15.948 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

Tgt Ion:330 Resp: 148657
Ion Ratio Lower Upper
330 100
332 97.8 77.5 116.3
141 26.0 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 48.005 ng

RT: 13.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG058682.D

Acq: 10 Aug 2023 17:03

Instrument :

BNA_G

ClientSampleId :

WC-24

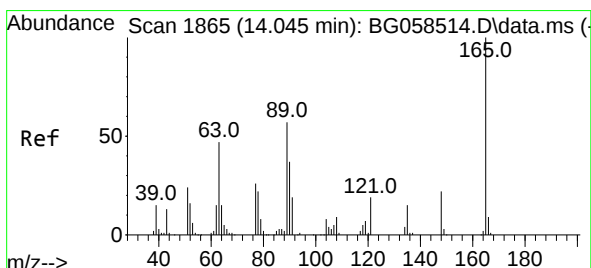
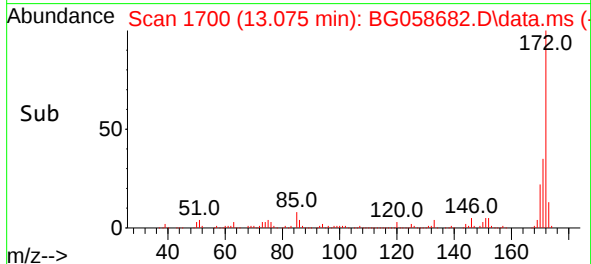
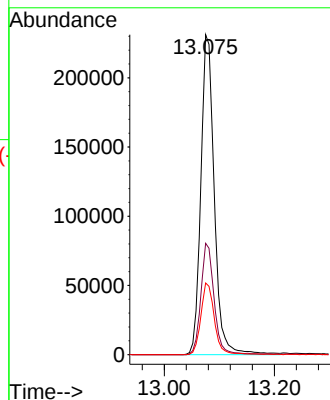
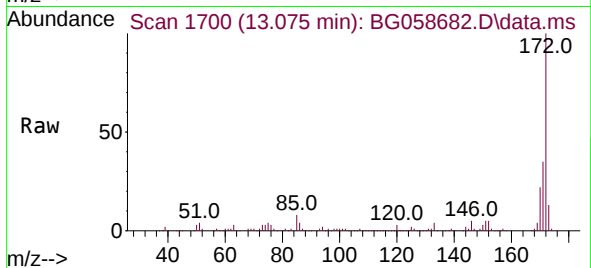
Tgt Ion:172 Resp: 392721

Ion Ratio Lower Upper

172 100

171 34.8 28.0 42.0

170 22.4 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 7.611 ng

RT: 14.462 min Scan# 1936

Delta R.T. 0.417 min

Lab File: BG058682.D

Acq: 10 Aug 2023 17:03

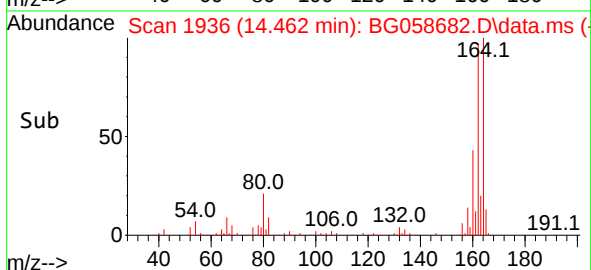
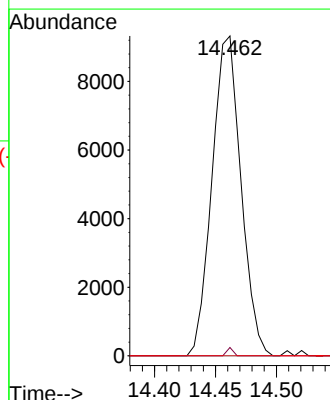
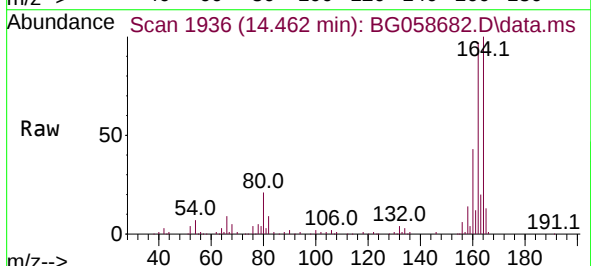
Tgt Ion:165 Resp: 15376

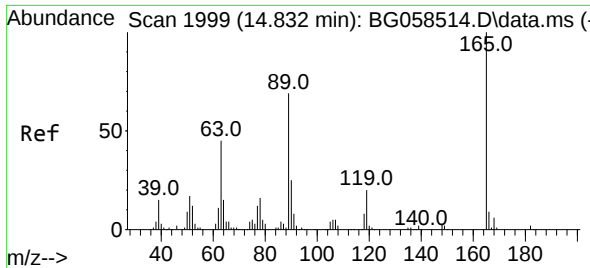
Ion Ratio Lower Upper

165 100

63 2.6 46.4 69.6#

89 0.0 45.3 67.9#

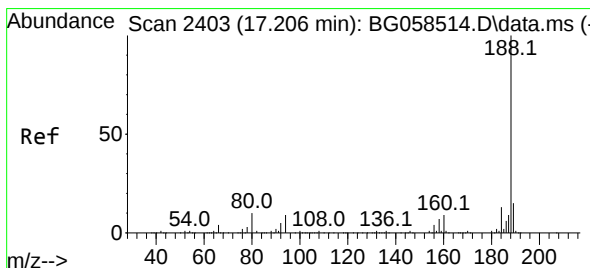
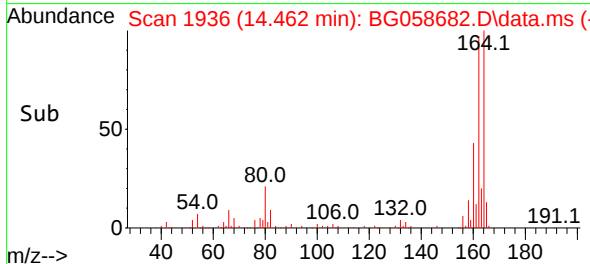
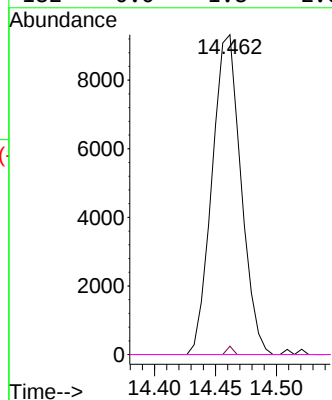
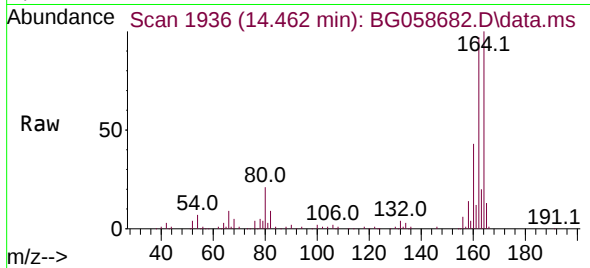




#57
2,4-Dinitrotoluene
Concen: 5.490 ng
RT: 14.462 min Scan# 1999
Delta R.T. -0.370 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

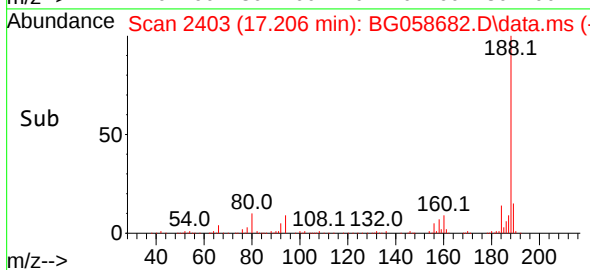
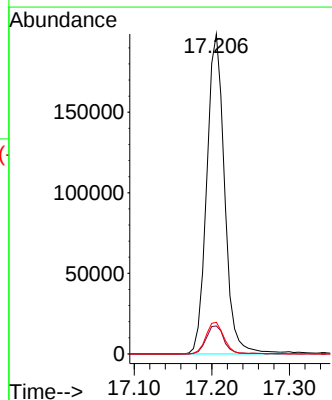
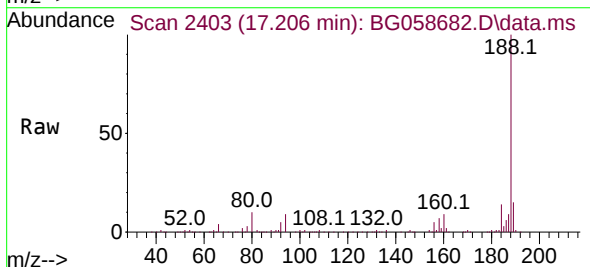
Instrument :
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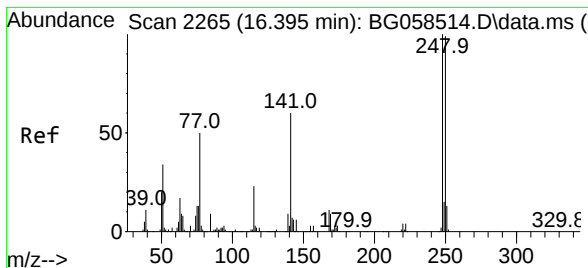
Tgt Ion:165 Resp: 15376
Ion Ratio Lower Upper
165 100
63 2.6 36.6 54.8#
89 0.0 55.4 83.0#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.206 min Scan# 2403
Delta R.T. -0.000 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

Tgt Ion:188 Resp: 315976
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 9.9 8.1 12.1

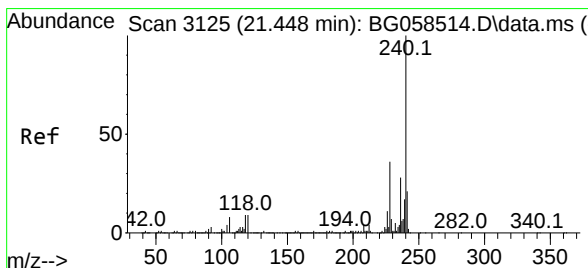
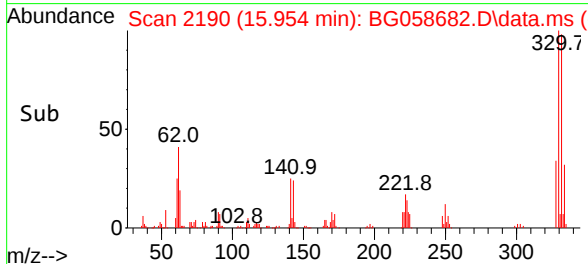
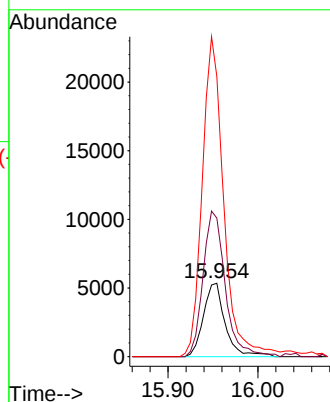
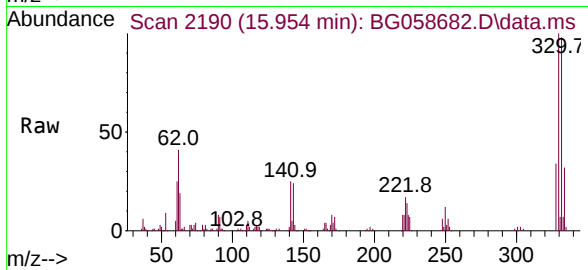




#67
4-Bromophenyl-phenylether
Concen: 2.512 ng
RT: 15.954 min Scan# 21190
Delta R.T. -0.441 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

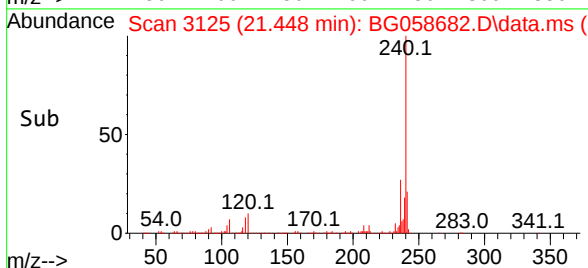
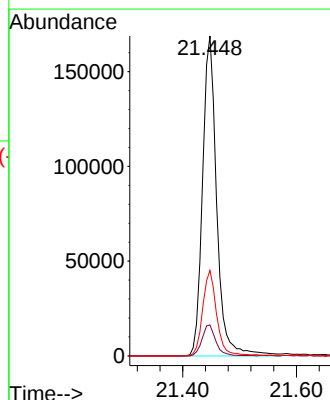
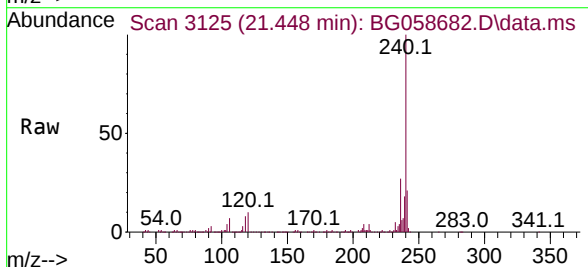
Instrument :
BNA_G
ClientSampleId :
WC-24

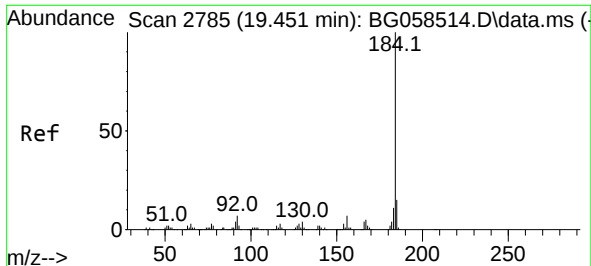
Tgt Ion:248 Resp: 9001
Ion Ratio Lower Upper
248 100
250 188.8 79.5 119.3#
141 381.9 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

Tgt Ion:240 Resp: 292228
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 26.7 22.2 33.4

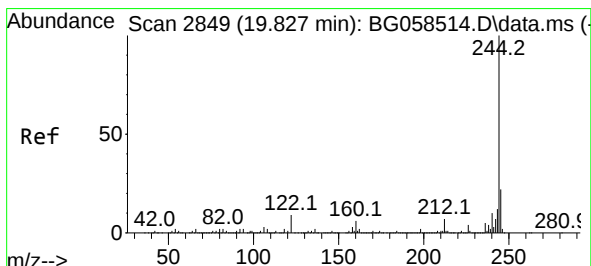
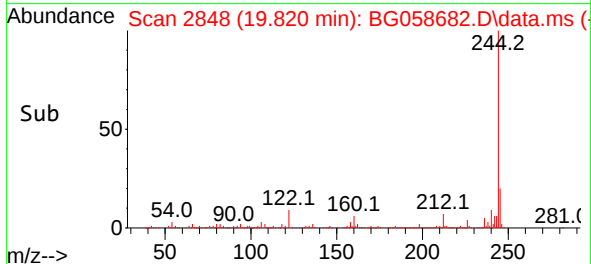
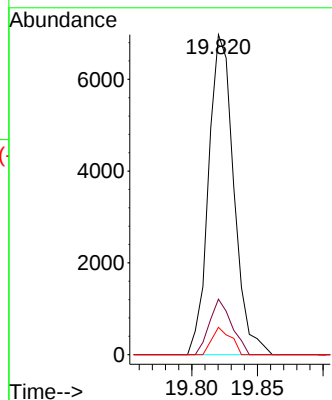
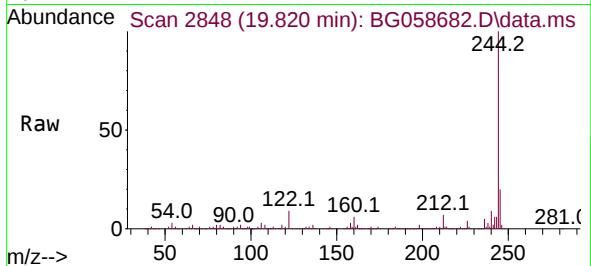




#77
Benzidine
Concen: 2.105 ng
RT: 19.820 min Scan# 2848
Delta R.T. 0.370 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

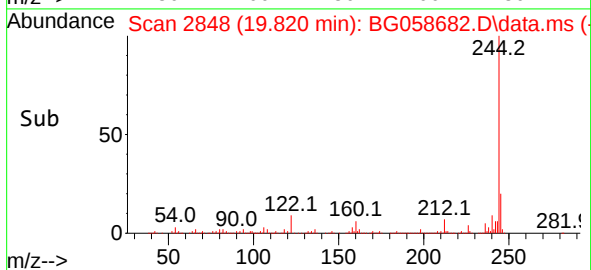
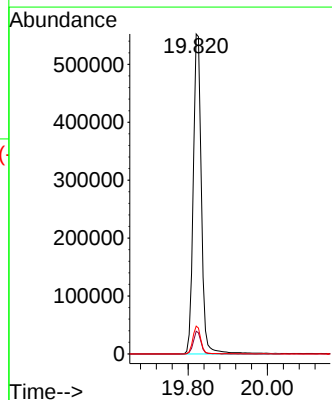
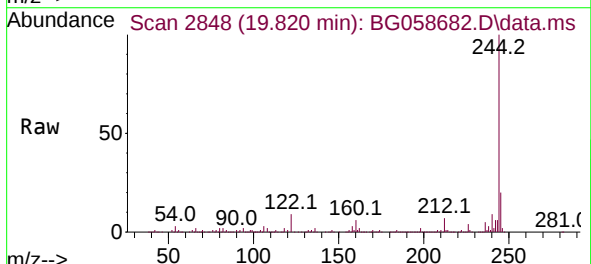
Instrument :
BNA_G
ClientSampleId :
WC-24

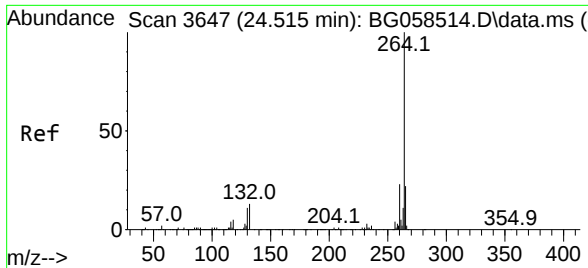
Tgt Ion:184 Resp: 9326
Ion Ratio Lower Upper
184 100
185 17.3 11.9 17.9
183 8.5 8.7 13.1#



#79
Terphenyl-d14
Concen: 50.658 ng
RT: 19.820 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BG058682.D
Acq: 10 Aug 2023 17:03

Tgt Ion:244 Resp: 787217
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 8.7 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.521 min Scan# 3648
 Delta R.T. 0.005 min
 Lab File: BG058682.D
 Acq: 10 Aug 2023 17:03

Instrument :
 BNA_G
 ClientSampleId :
 WC-24

Tgt Ion:264	Resp:	337675
Ion	Ratio	Lower Upper
264	100	
260	22.9	18.4 27.6
265	22.1	17.9 26.9

