

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081723\
 Data File : BG058768.D
 Acq On : 17 Aug 2023 18:44
 Operator : MA/JU
 Sample : 04043-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E-4

Quant Time: Aug 18 01:53:37 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)

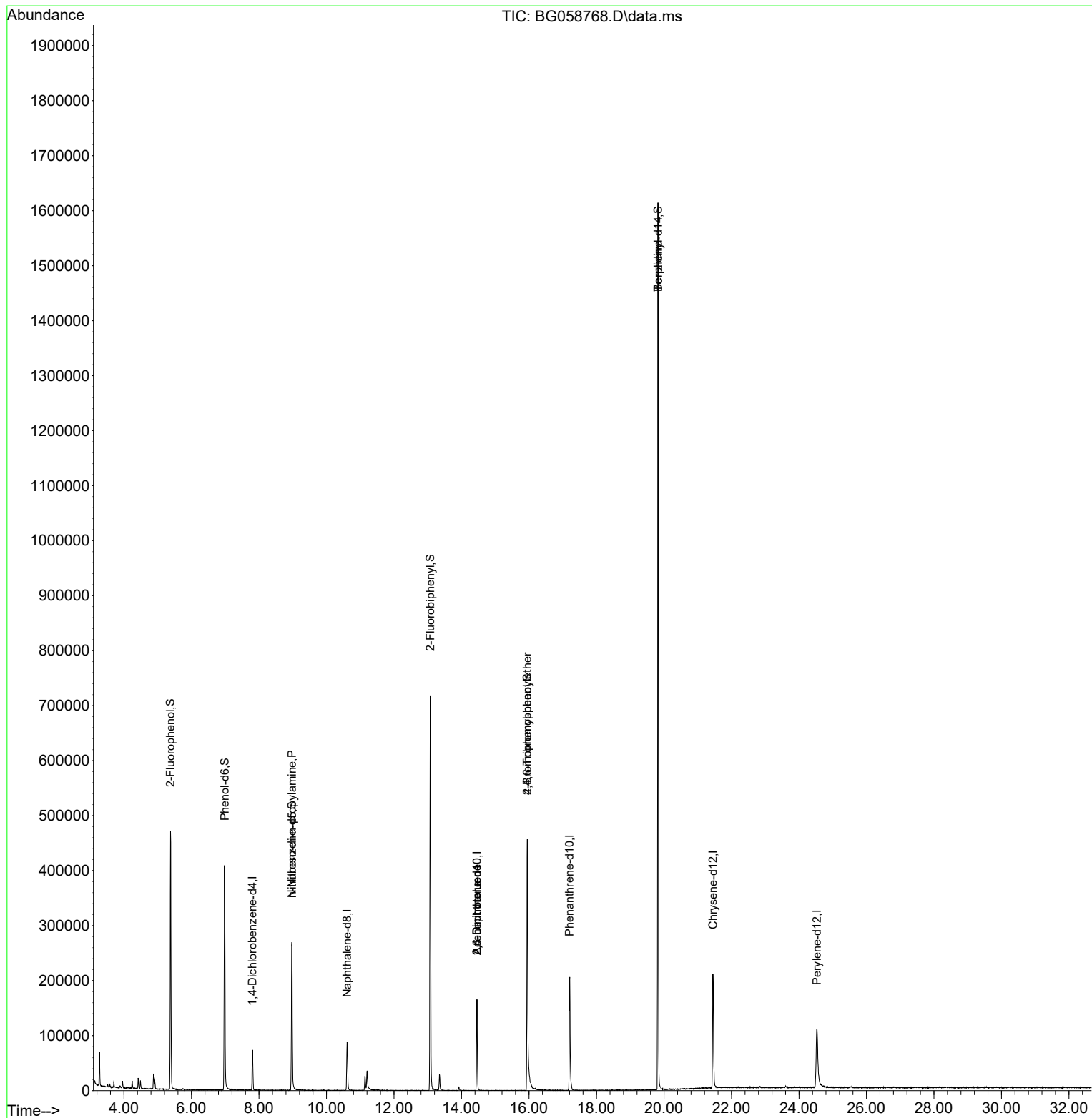
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.807	152	19605	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	84148	20.000	ng	0.00
39) Acenaphthene-d10	14.458	164	64548	20.000	ng	0.00
64) Phenanthrene-d10	17.202	188	172022	20.000	ng	0.00
76) Chrysene-d12	21.450	240	158535	20.000	ng	0.00
86) Perylene-d12	24.529	264	182695	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	191639	149.407	ng	0.00
7) Phenol-d6	6.985	99	243130	136.222	ng	0.00
23) Nitrobenzene-d5	8.976	82	172408	100.651	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	131932	124.701	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	413184	95.928	ng	0.00
79) Terphenyl-d14	19.823	244	864930	102.597	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.976	70	21680	18.805	ng	# 88
51) 2,6-Dinitrotoluene	14.458	165	8026	7.546	ng	# 22
57) 2,4-Dinitrotoluene	14.458	165	8026	5.443	ng	# 23
67) 4-Bromophenyl-phenylether	15.951	248	7684	3.938	ng	# 1
77) Benzidine	19.823	184	12122	5.042	ng	# 91

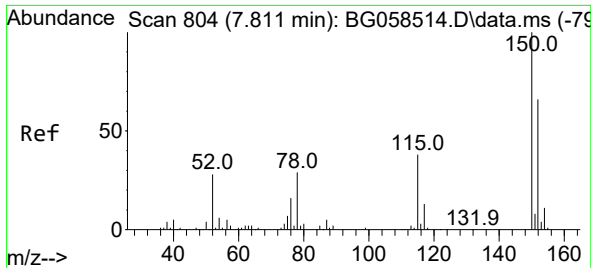
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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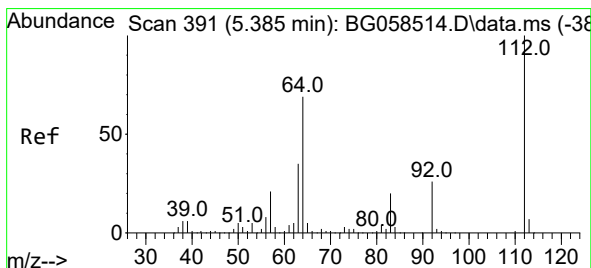
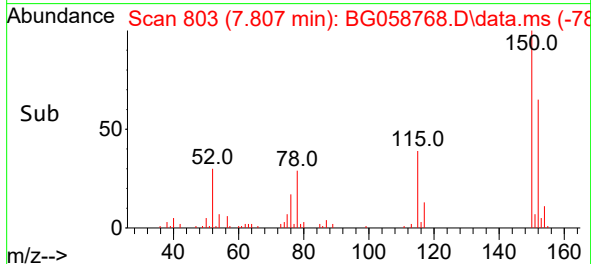
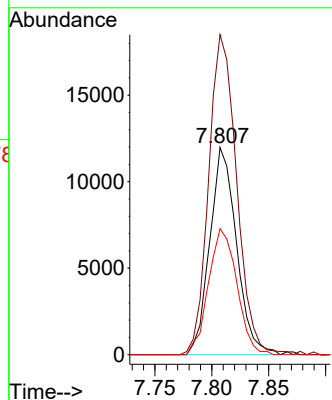
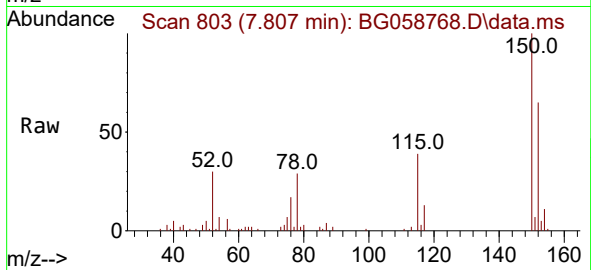




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.807 min Scan# 804
Delta R.T. -0.004 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

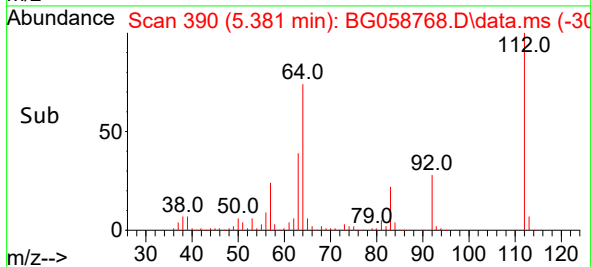
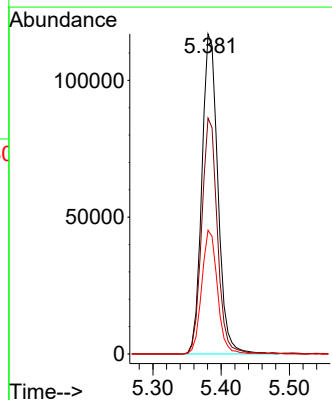
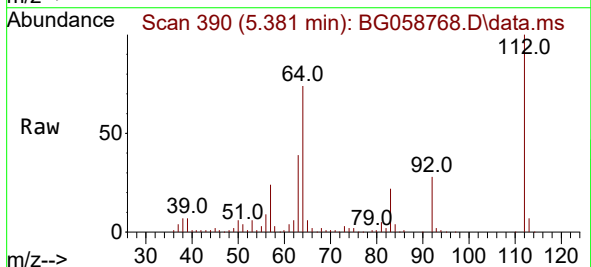
Instrument :
BNA_G
ClientSampleId :
E-4

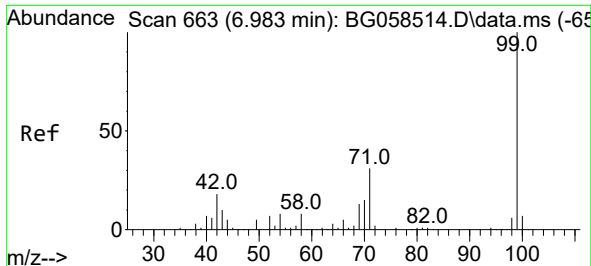
Tgt Ion:152 Resp: 19605
Ion Ratio Lower Upper
152 100
150 154.5 120.5 180.7
115 60.8 45.9 68.9



#5
2-Fluorophenol
Concen: 149.407 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.004 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

Tgt Ion:112 Resp: 191639
Ion Ratio Lower Upper
112 100
64 73.7 55.3 82.9
63 38.7 28.3 42.5

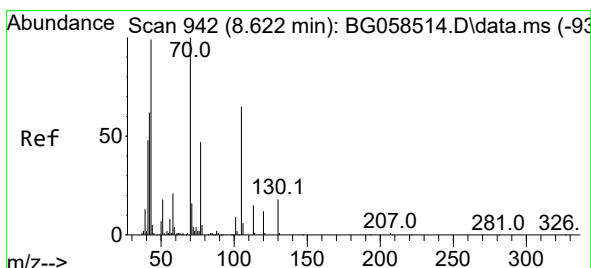
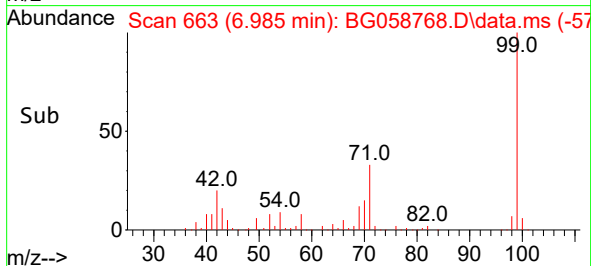
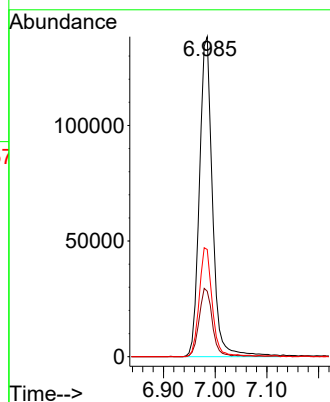
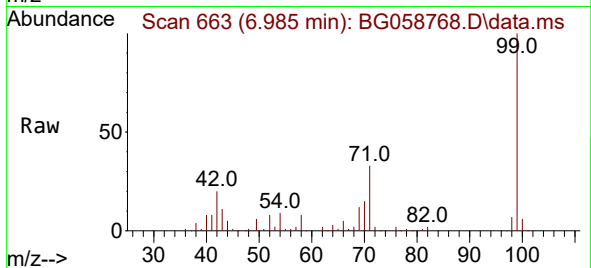




#7
Phenol-d6
Concen: 136.222 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

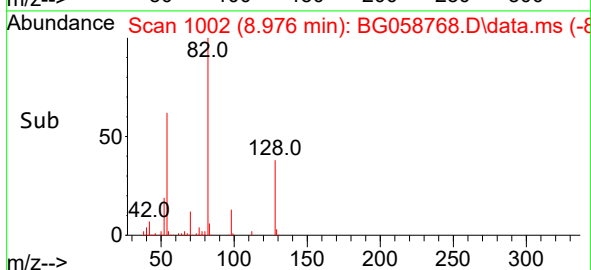
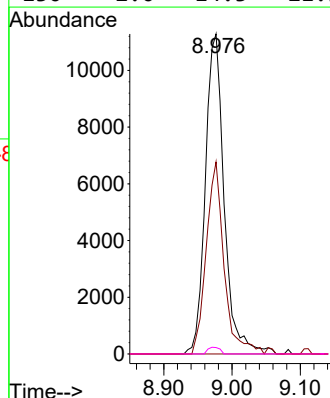
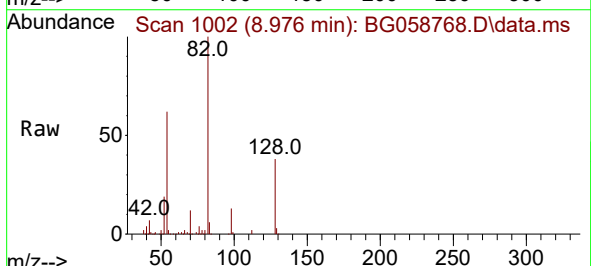
Instrument :
BNA_G
ClientSampleId :
E-4

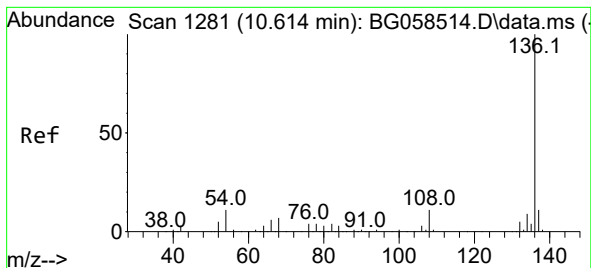
Tgt Ion: 99 Resp: 243130
Ion Ratio Lower Upper
99 100
42 20.5 14.6 21.8
71 33.5 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.805 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.354 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

Tgt Ion: 70 Resp: 21680
Ion Ratio Lower Upper
70 100
42 60.0 49.7 74.5
101 0.0 7.0 10.4#
130 2.0 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.610 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG058768.D

Acq: 17 Aug 2023 18:44

Instrument :

BNA_G

ClientSampleId :

E-4

Tgt Ion:136 Resp: 84148

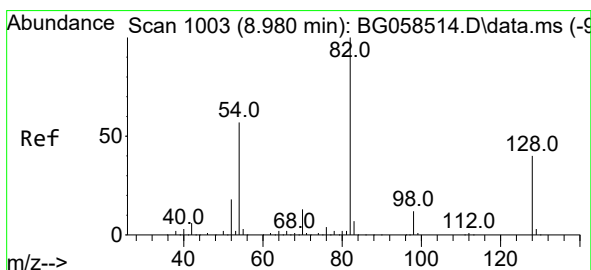
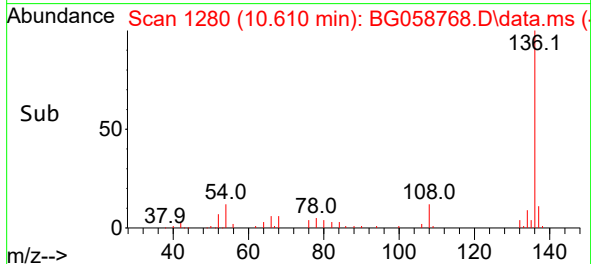
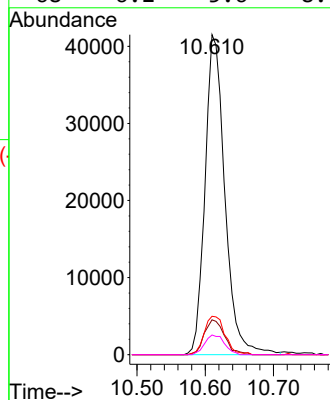
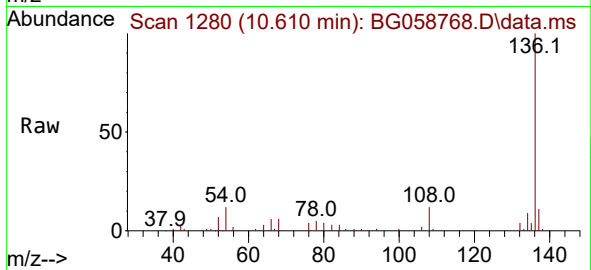
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 12.0 8.9 13.3

68 6.2 5.6 8.4



#23

Nitrobenzene-d5

Concen: 100.651 ng

RT: 8.976 min Scan# 1002

Delta R.T. -0.004 min

Lab File: BG058768.D

Acq: 17 Aug 2023 18:44

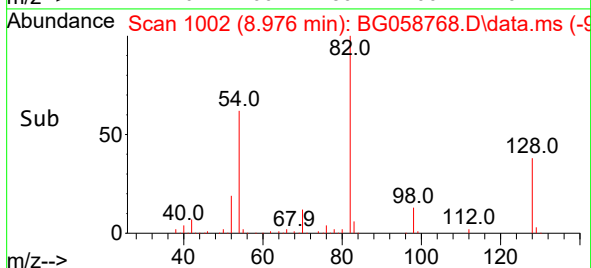
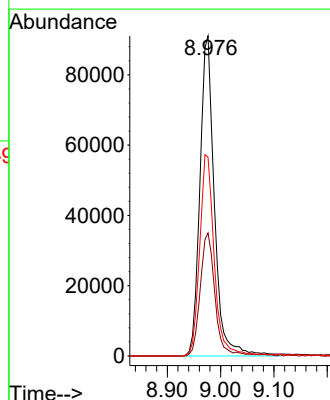
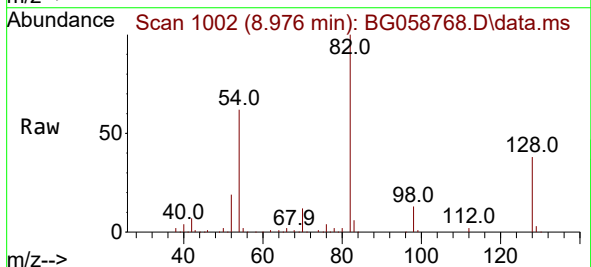
Tgt Ion: 82 Resp: 172408

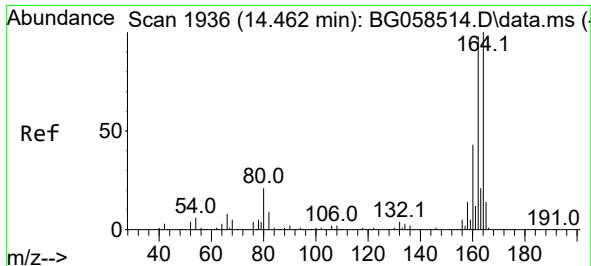
Ion Ratio Lower Upper

82 100

128 38.4 32.2 48.2

54 62.1 46.0 69.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.458 min Scan# 1935

Delta R.T. -0.004 min

Lab File: BG058768.D

Acq: 17 Aug 2023 18:44

Instrument :

BNA_G

ClientSampleId :

E-4

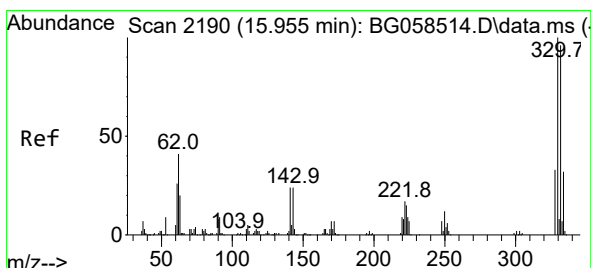
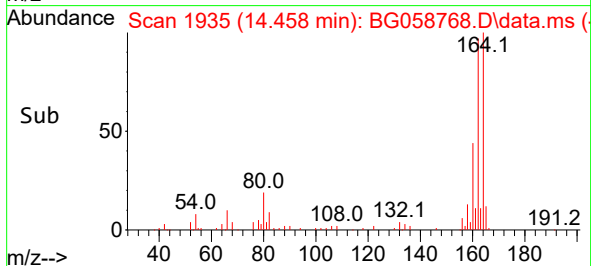
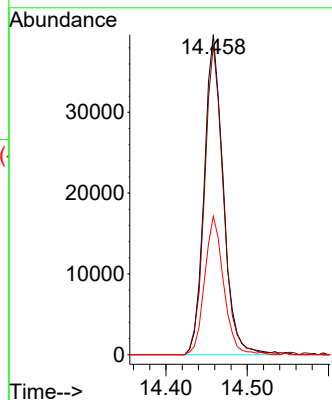
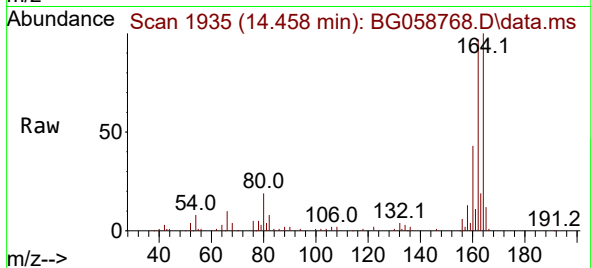
Tgt Ion:164 Resp: 64548

Ion Ratio Lower Upper

164 100

162 96.8 78.3 117.5

160 43.2 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 124.701 ng

RT: 15.951 min Scan# 2189

Delta R.T. -0.004 min

Lab File: BG058768.D

Acq: 17 Aug 2023 18:44

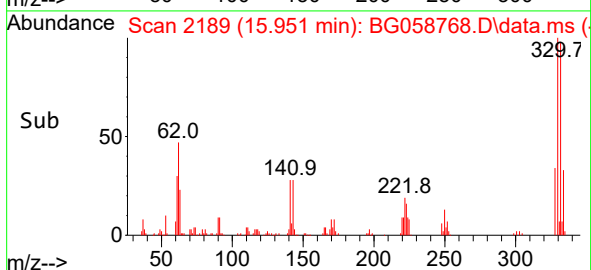
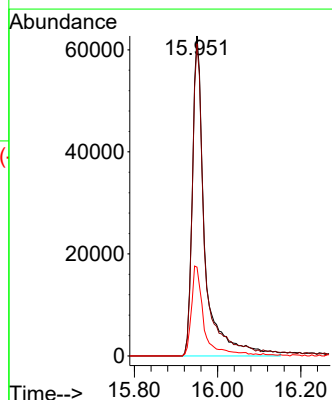
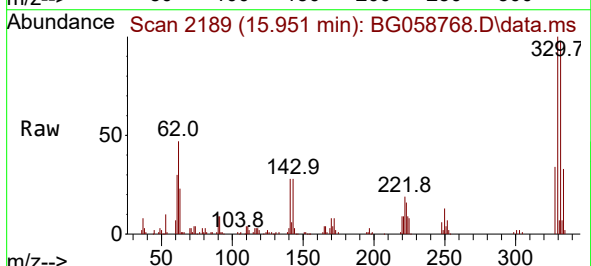
Tgt Ion:330 Resp: 131932

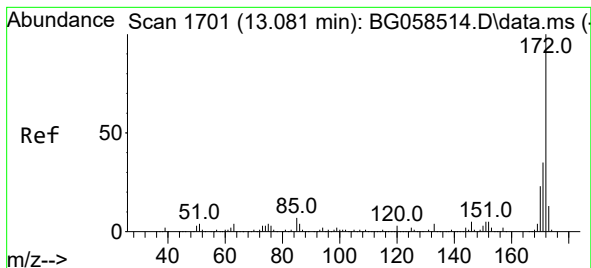
Ion Ratio Lower Upper

330 100

332 95.6 77.5 116.3

141 28.4 20.7 31.1

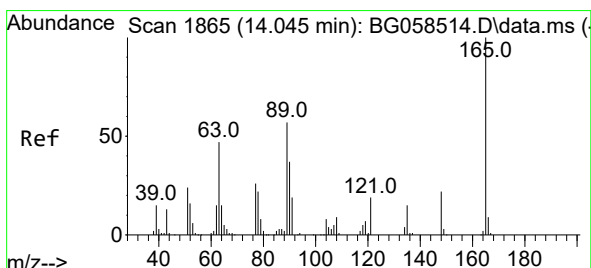
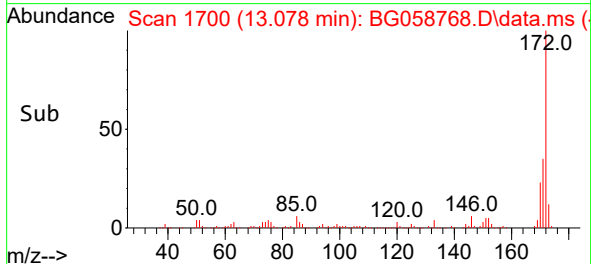
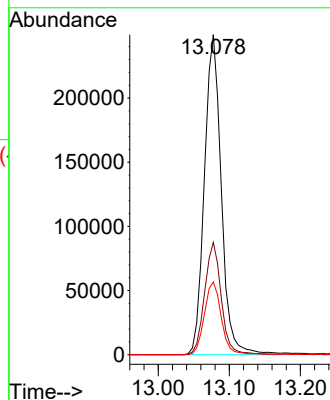
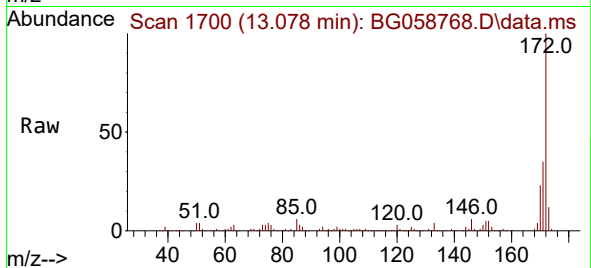




#45
2-Fluorobiphenyl
Concen: 95.928 ng
RT: 13.078 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

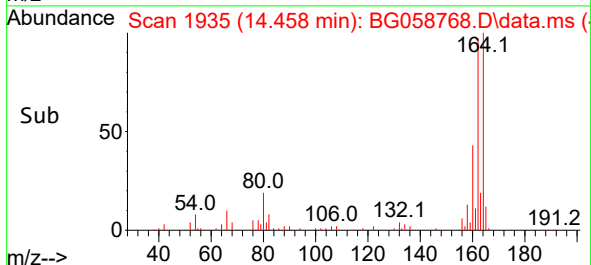
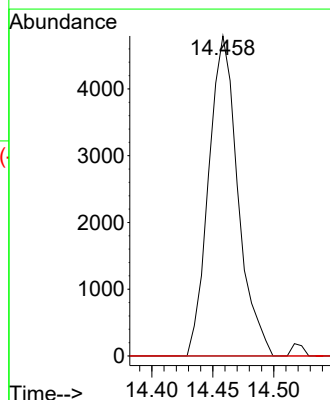
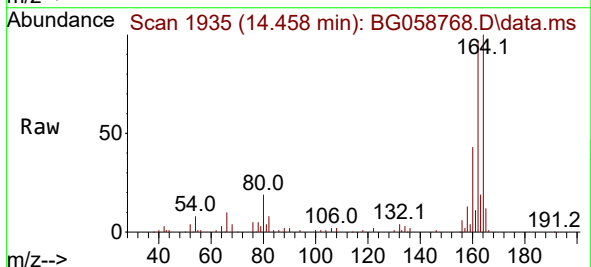
Instrument :
BNA_G
ClientSampleId :
E-4

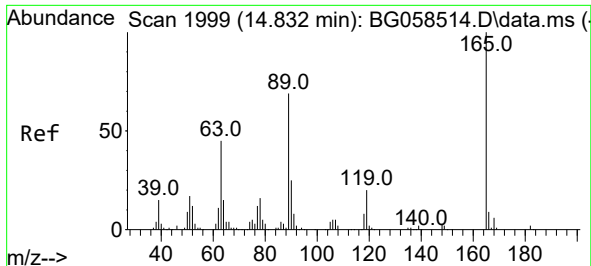
Tgt Ion:172 Resp: 413184
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.7 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.546 ng
RT: 14.458 min Scan# 1935
Delta R.T. 0.413 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

Tgt Ion:165 Resp: 8026
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: 5.443 ng

RT: 14.458 min Scan# 1999

Delta R.T. -0.374 min

Lab File: BG058768.D

Acq: 17 Aug 2023 18:44

Instrument :

BNA_G

ClientSampleId :

E-4

Tgt Ion:165 Resp: 8026

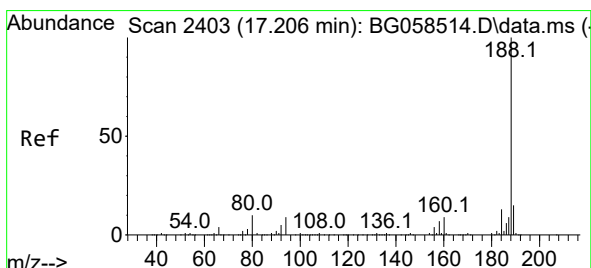
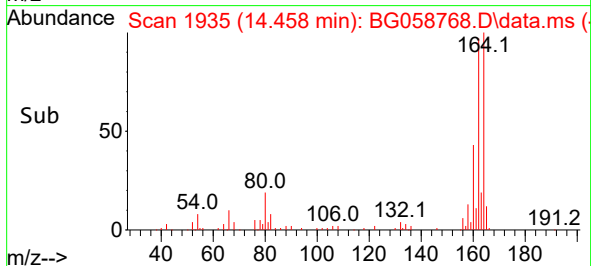
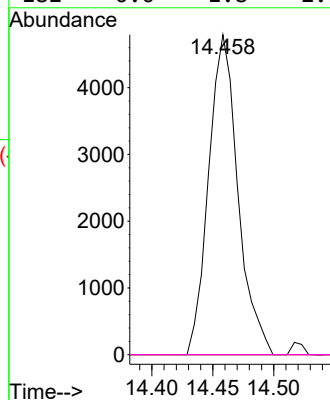
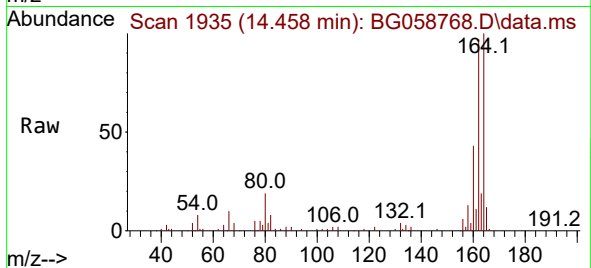
Ion Ratio Lower Upper

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: 17.202 min Scan# 2402

Delta R.T. -0.004 min

Lab File: BG058768.D

Acq: 17 Aug 2023 18:44

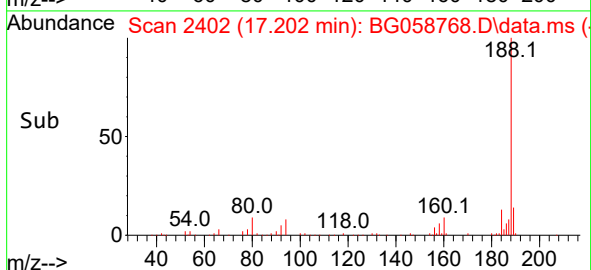
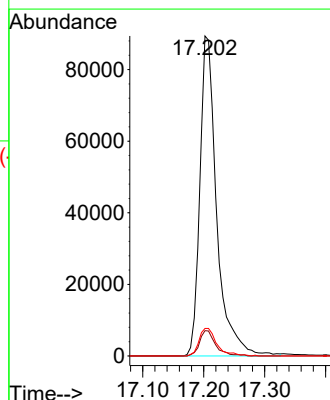
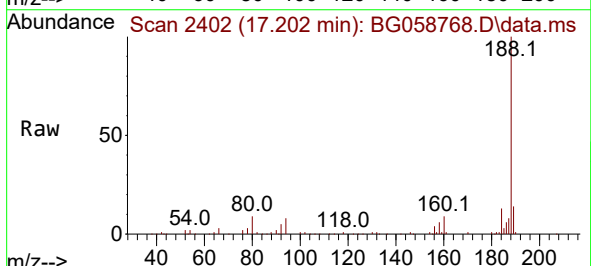
Tgt Ion:188 Resp: 172022

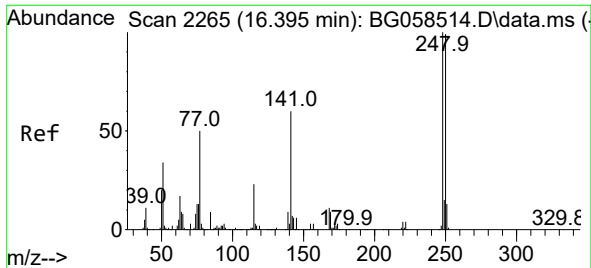
Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.6

80 8.6 8.1 12.1

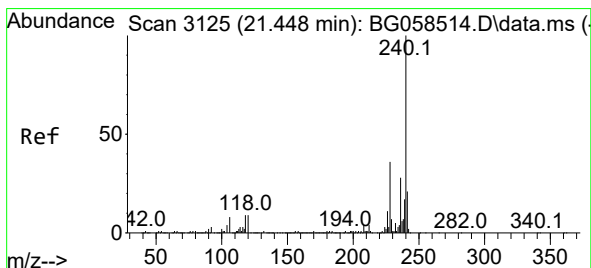
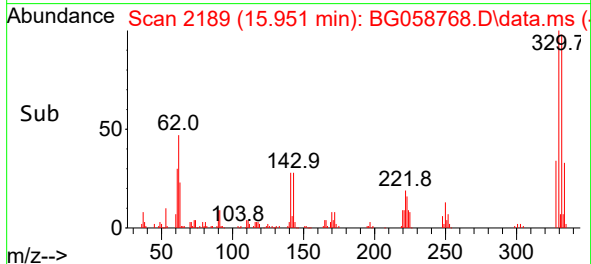
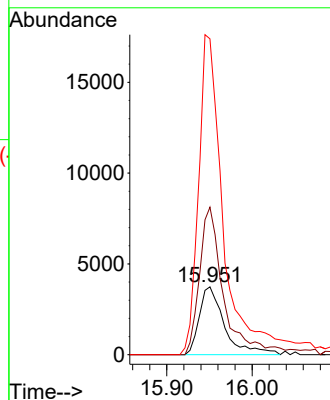
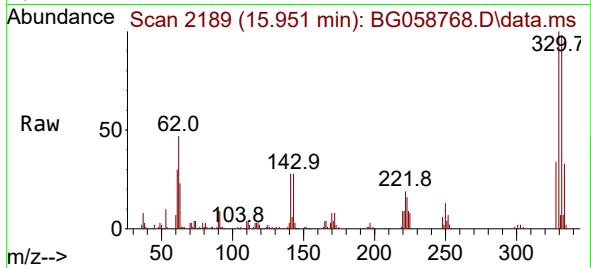




#67
4-Bromophenyl-phenylether
Concen: 3.938 ng
RT: 15.951 min Scan# 2189
Delta R.T. -0.445 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

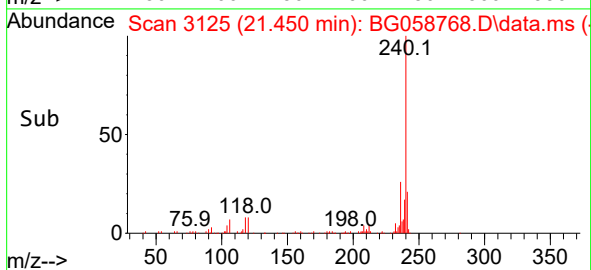
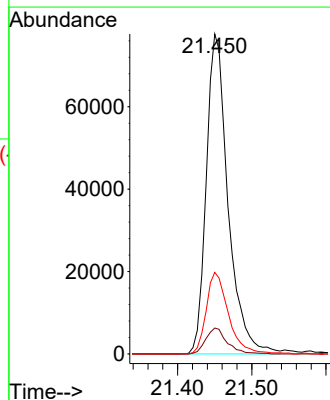
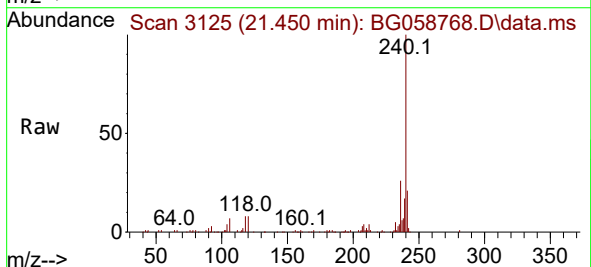
Instrument :
BNA_G
ClientSampleId :
E-4

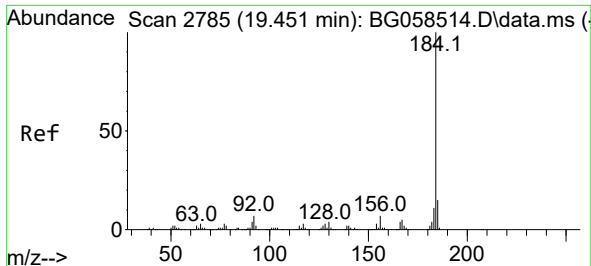
Tgt Ion:248 Resp: 7684
Ion Ratio Lower Upper
248 100
250 217.4 79.5 119.3#
141 465.3 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3125
Delta R.T. 0.002 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

Tgt Ion:240 Resp: 158535
Ion Ratio Lower Upper
240 100
120 8.1 7.4 11.0
236 25.5 22.2 33.4

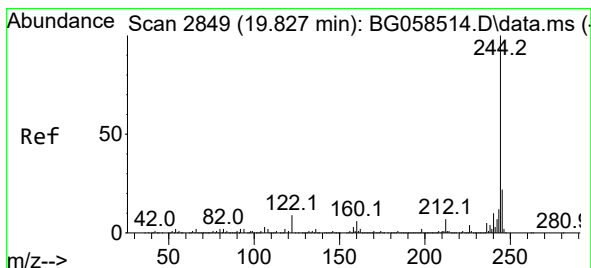
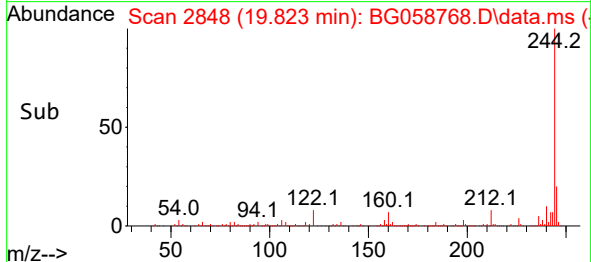
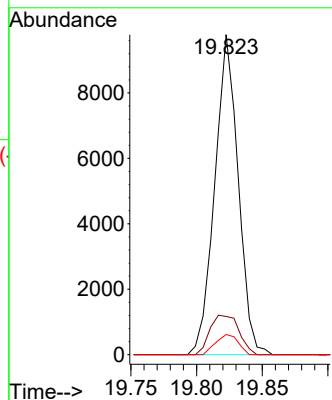
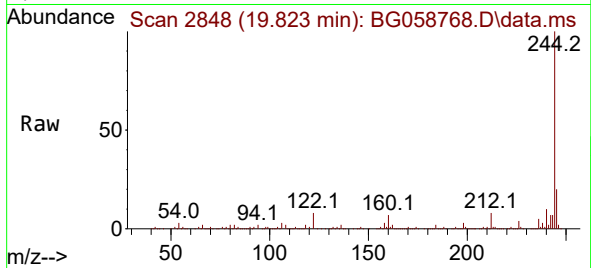




#77
Benzidine
Concen: 5.042 ng
RT: 19.823 min Scan# 2848
Delta R.T. 0.372 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

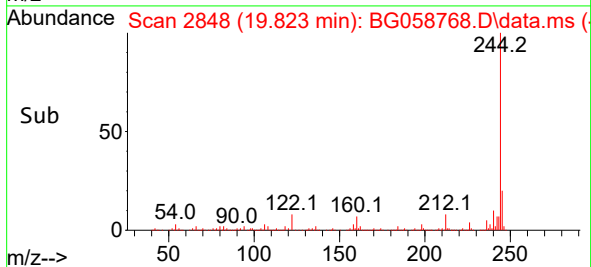
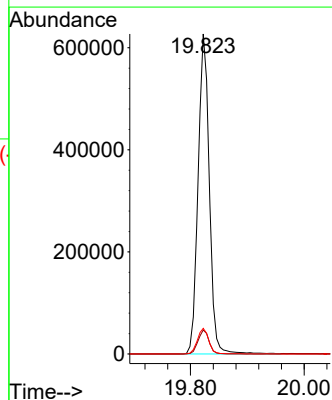
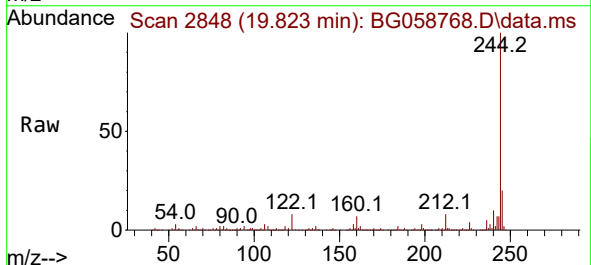
Instrument :
BNA_G
ClientSampleId :
E-4

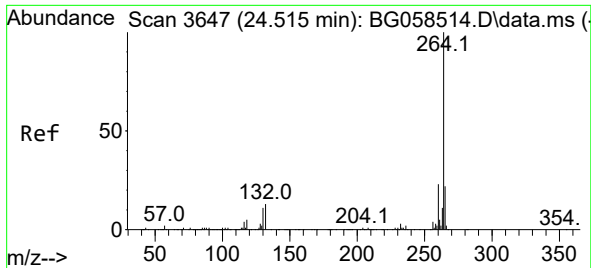
Tgt Ion:184 Resp: 12122
Ion Ratio Lower Upper
184 100
185 12.0 11.9 17.9
183 6.3 8.7 13.1#



#79
Terphenyl-d14
Concen: 102.597 ng
RT: 19.823 min Scan# 2848
Delta R.T. -0.004 min
Lab File: BG058768.D
Acq: 17 Aug 2023 18:44

Tgt Ion:244 Resp: 864930
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 8.0 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.529 min Scan# 30
 Delta R.T. 0.014 min
 Lab File: BG058768.D
 Acq: 17 Aug 2023 18:44

Instrument :
 BNA_G
 ClientSampleId :
 E-4

Tgt Ion:264 Resp: 182695
 Ion Ratio Lower Upper
 264 100
 260 20.8 18.4 27.6
 265 19.7 17.9 26.9

