

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082323\
 Data File : BG058822.D
 Acq On : 23 Aug 2023 14:54
 Operator : MA/JU
 Sample : 04091-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-C

Quant Time: Aug 23 15:26:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

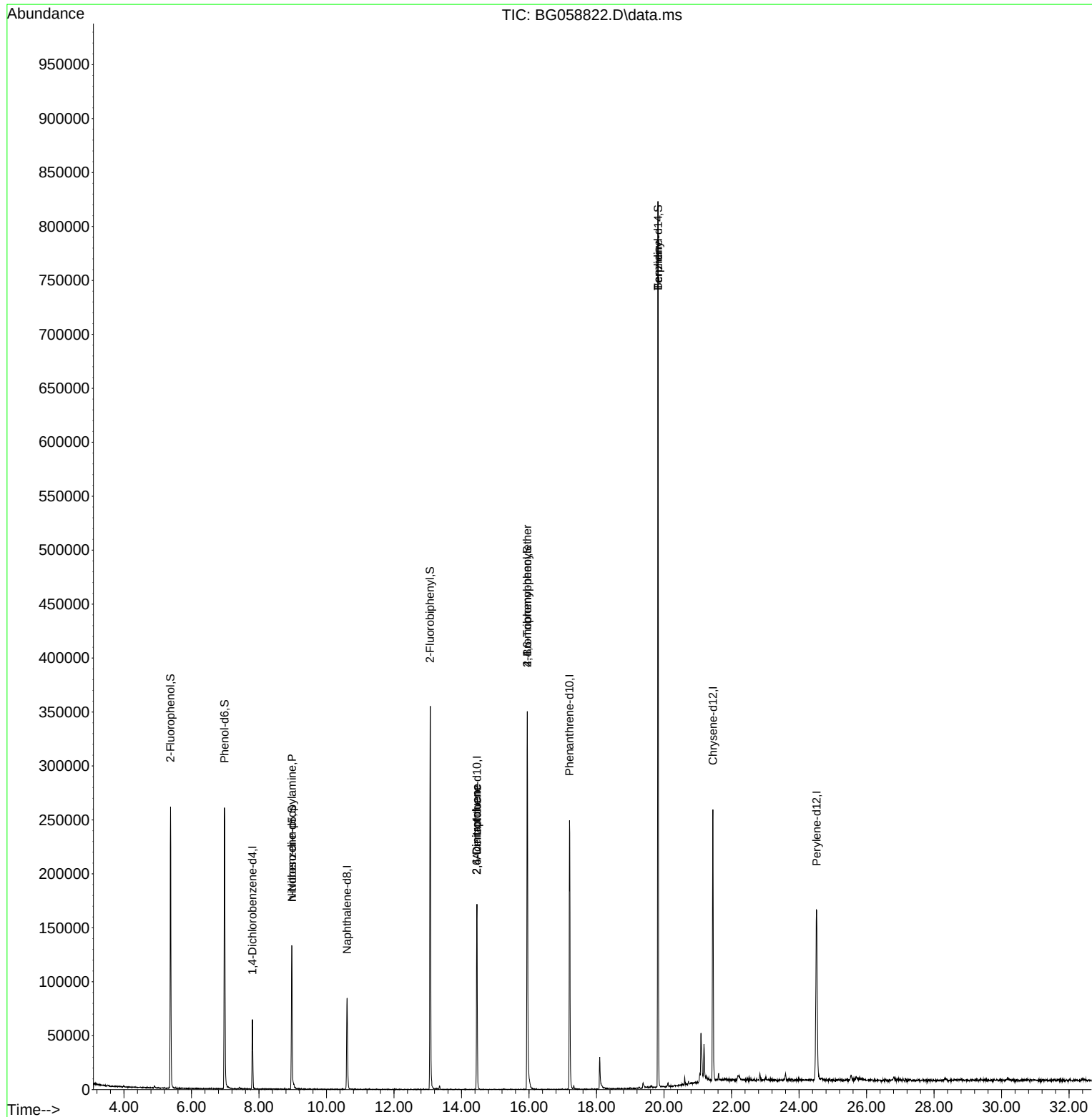
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	17928	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	81269	20.000	ng	0.00
39) Acenaphthene-d10	14.456	164	67905	20.000	ng	0.00
64) Phenanthrene-d10	17.200	188	178924	20.000	ng	0.00
76) Chrysene-d12	21.448	240	155570	20.000	ng	0.00
86) Perylene-d12	24.521	264	187942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.379	112	105508	94.706	ng	0.00
7) Phenol-d6	6.977	99	149423	95.598	ng	0.00
23) Nitrobenzene-d5	8.975	82	86473	51.156	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	89252	83.825	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	214280	45.897	ng	0.00
79) Terphenyl-d14	19.821	244	421134	48.607	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	8.975	70	10991	10.878	ng	# 76
51) 2,6-Dinitrotoluene	14.451	165	8408	7.612	ng	# 22
57) 2,4-Dinitrotoluene	14.451	165	8408	5.457	ng	# 19
67) 4-Bromophenyl-phenylether	15.949	248	5473	2.787	ng	# 1
77) Benzydine	19.821	184	5893	2.114	ng	# 89

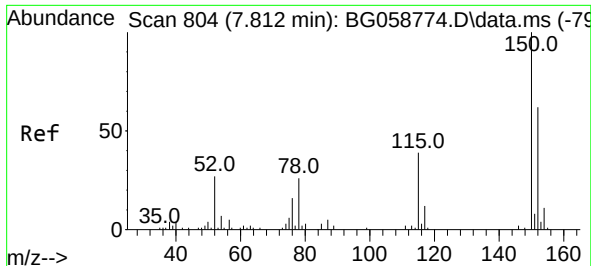
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

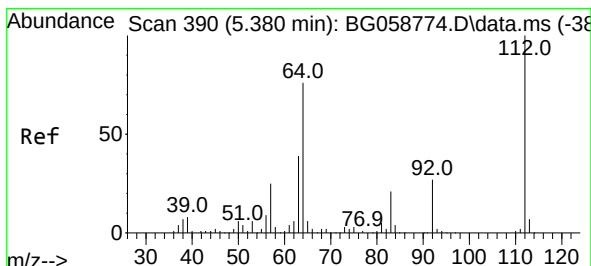
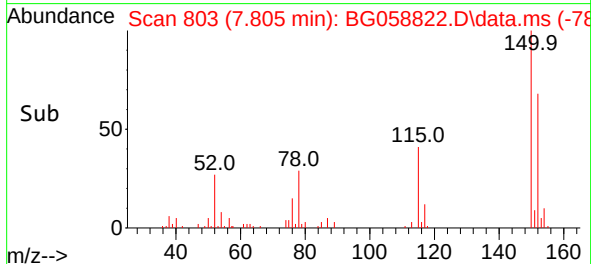
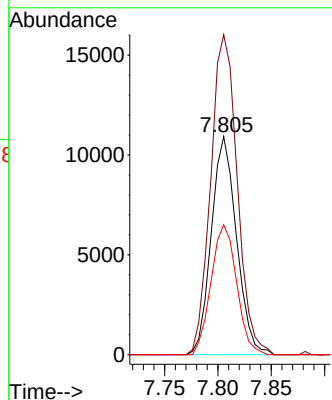
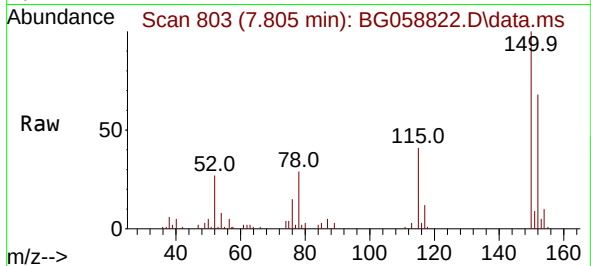




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 804
Delta R.T. -0.007 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

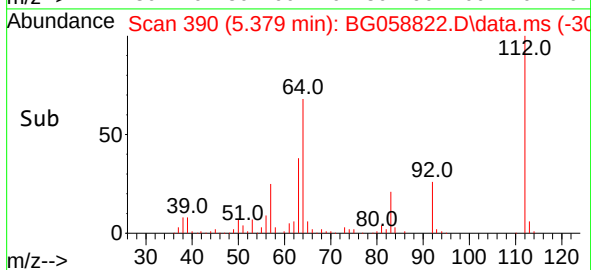
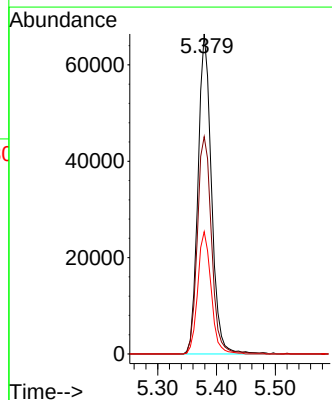
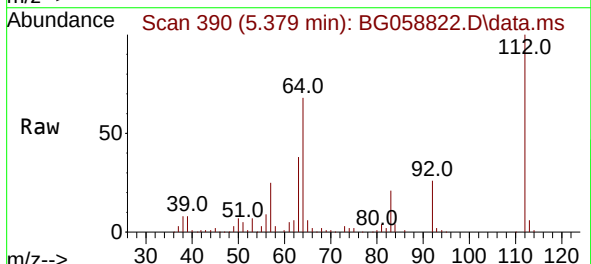
Instrument :
BNA_G
ClientSampleId :
TP-C

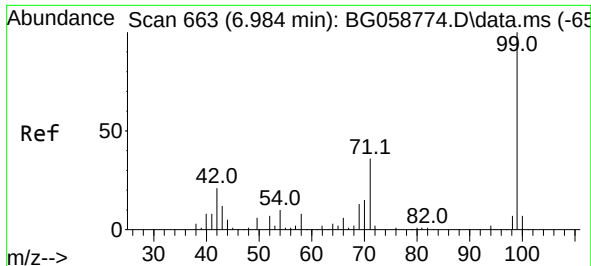
Tgt Ion:152 Resp: 17928
Ion Ratio Lower Upper
152 100
150 146.7 128.6 192.8
115 59.6 50.4 75.6



#5
2-Fluorophenol
Concen: 94.706 ng
RT: 5.379 min Scan# 390
Delta R.T. -0.001 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

Tgt Ion:112 Resp: 105508
Ion Ratio Lower Upper
112 100
64 67.9 60.6 90.8
63 38.2 31.0 46.4

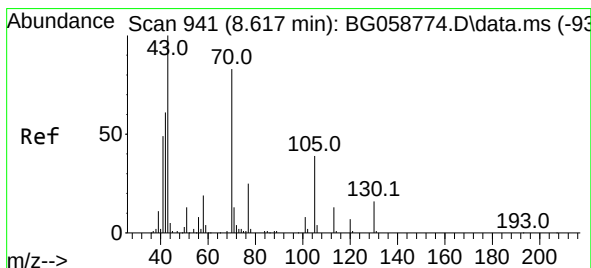
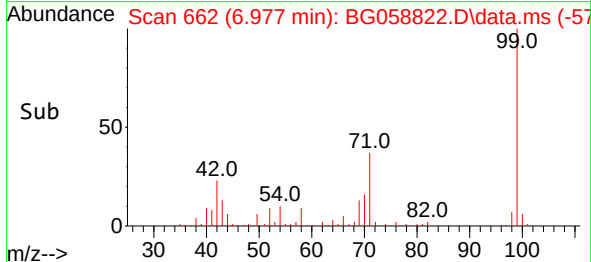
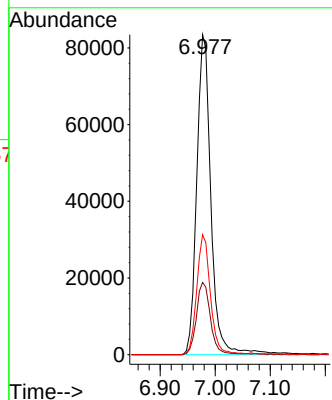
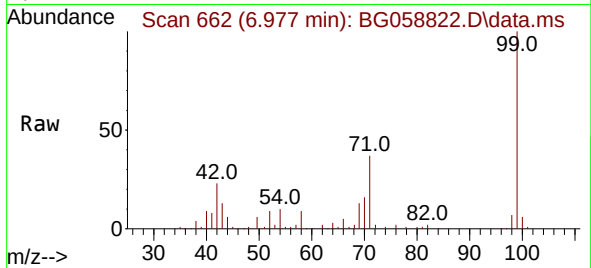




#7
Phenol-d6
Concen: 95.598 ng
RT: 6.977 min Scan# 60
Delta R.T. -0.007 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

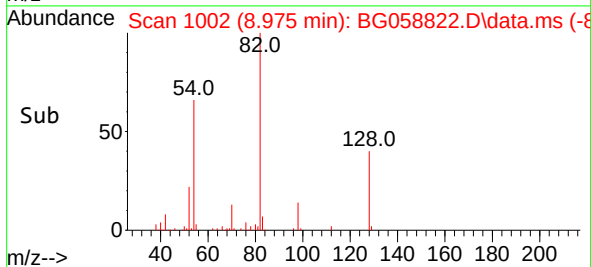
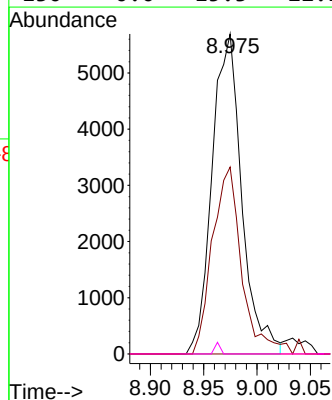
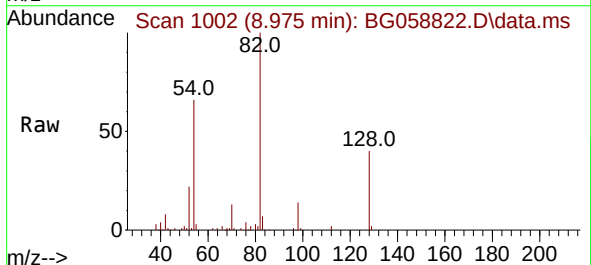
Instrument :
BNA_G
ClientSampleId :
TP-C

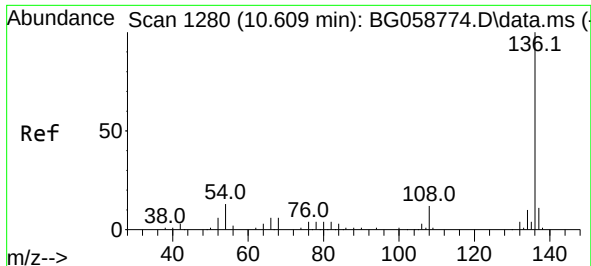
Tgt Ion: 99 Resp: 149423
Ion Ratio Lower Upper
99 100
42 22.6 16.5 24.7
71 37.5 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.878 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.357 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

Tgt Ion: 70 Resp: 10991
Ion Ratio Lower Upper
70 100
42 58.4 59.2 88.8#
101 0.0 8.2 12.2#
130 0.0 15.3 22.9#

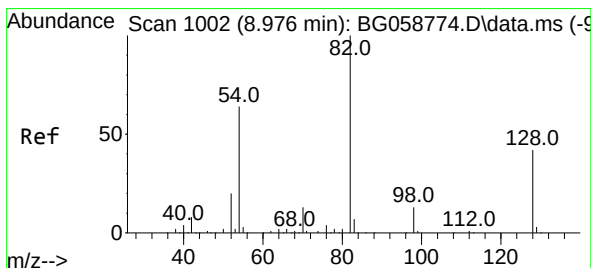
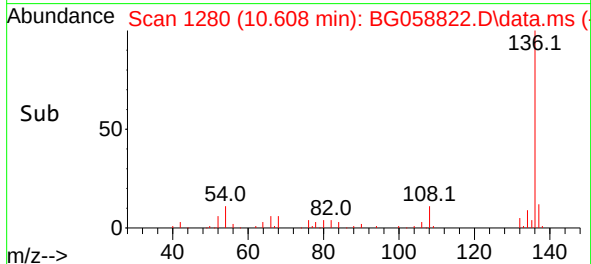
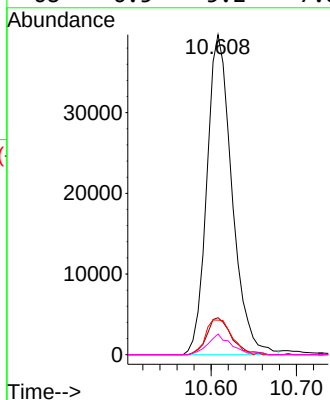
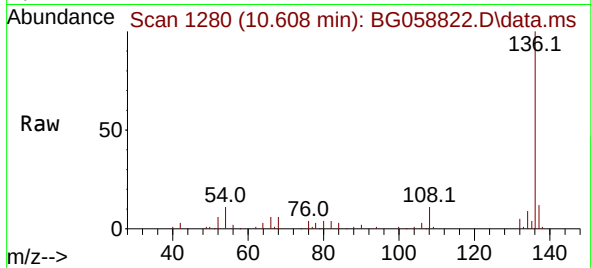




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

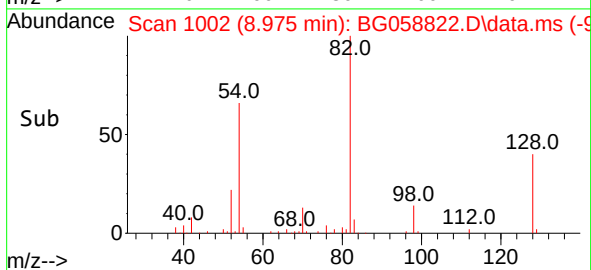
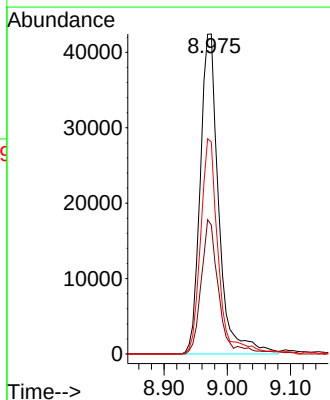
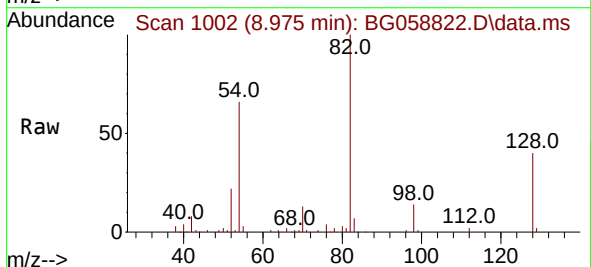
Instrument :
BNA_G
ClientSampleId :
TP-C

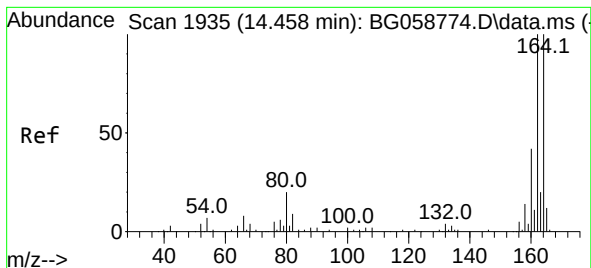
Tgt Ion:	136	Resp:	81269
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.7	13.1
54	10.8	10.1	15.1
68	6.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 51.156 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

Tgt Ion:	82	Resp:	86473
Ion Ratio	Lower	Upper	
82	100		
128	40.3	33.2	49.8
54	66.3	51.2	76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.456 min Scan# 1935

Delta R.T. -0.001 min

Lab File: BG058822.D

Acq: 23 Aug 2023 14:54

Instrument :

BNA_G

ClientSampleId :

TP-C

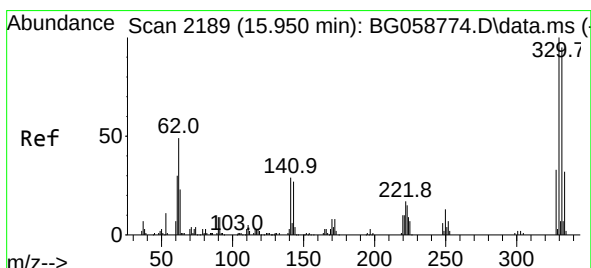
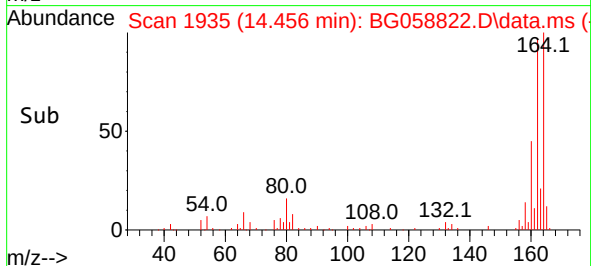
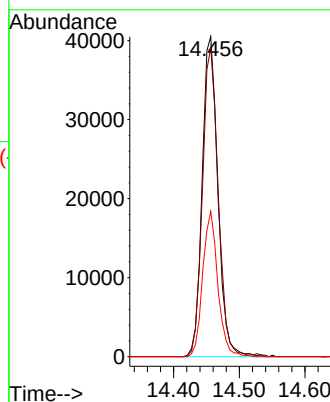
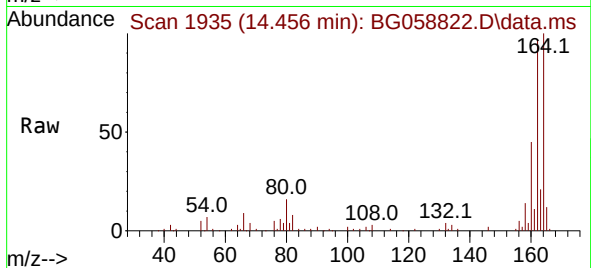
Tgt Ion:164 Resp: 67905

Ion Ratio Lower Upper

164 100

162 96.6 79.6 119.4

160 45.4 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 83.825 ng

RT: 15.949 min Scan# 2189

Delta R.T. -0.001 min

Lab File: BG058822.D

Acq: 23 Aug 2023 14:54

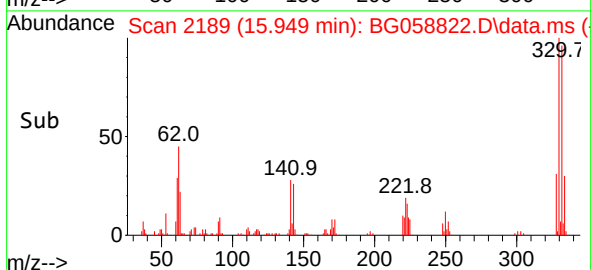
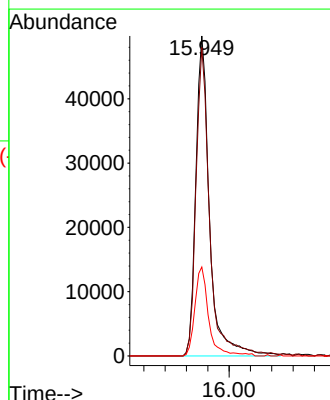
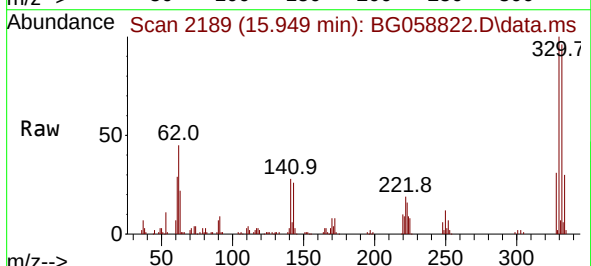
Tgt Ion:330 Resp: 89252

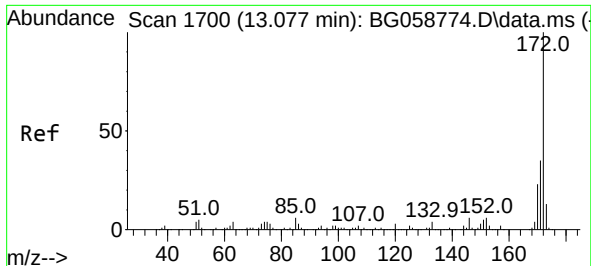
Ion Ratio Lower Upper

330 100

332 96.1 78.5 117.7

141 27.9 23.0 34.6

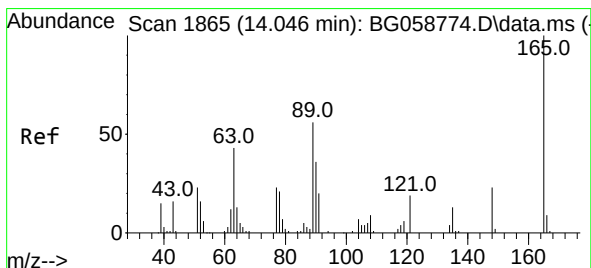
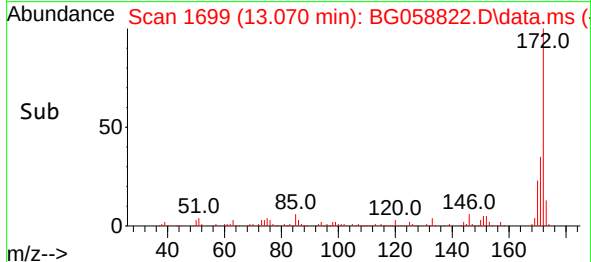
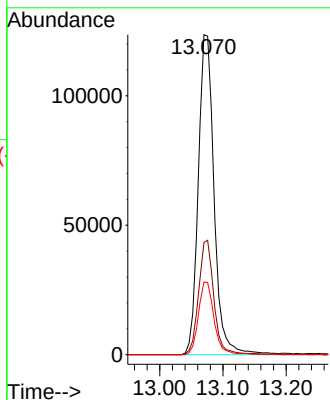
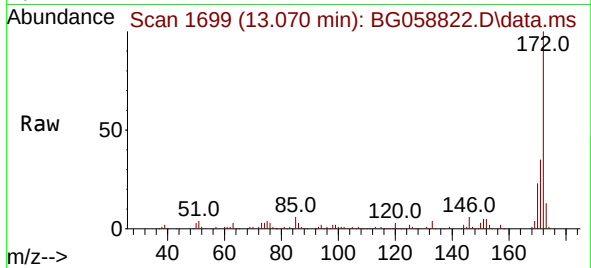




#45
2-Fluorobiphenyl
Concen: 45.897 ng
RT: 13.070 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

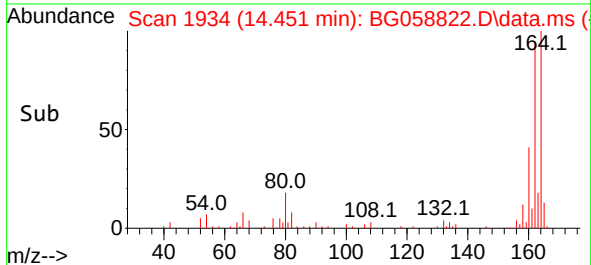
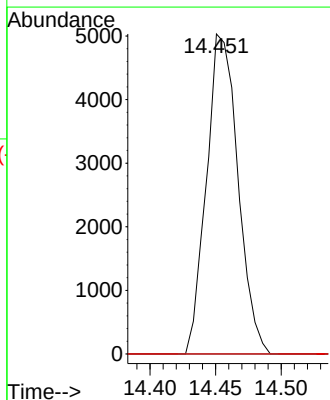
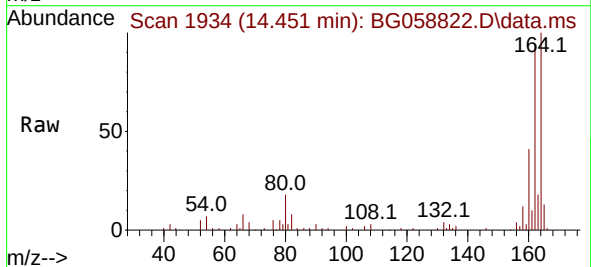
Instrument :
BNA_G
ClientSampleId :
TP-C

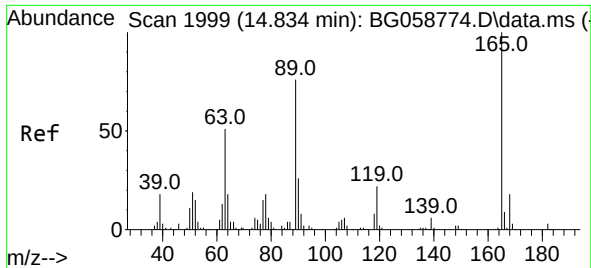
Tgt Ion:172 Resp: 214280
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 22.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.612 ng
RT: 14.451 min Scan# 1934
Delta R.T. 0.404 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

Tgt Ion:165 Resp: 8408
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: 5.457 ng

RT: 14.451 min Scan# 1999

Delta R.T. -0.383 min

Lab File: BG058822.D

Acq: 23 Aug 2023 14:54

Instrument :

BNA_G

ClientSampleId :

TP-C

Tgt Ion:165 Resp: 8408

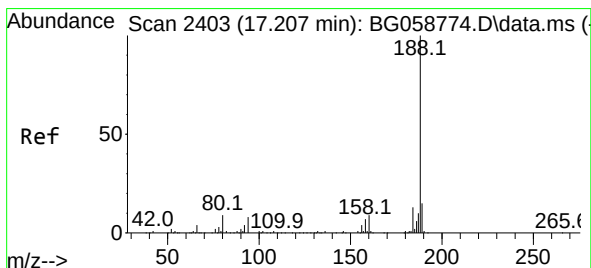
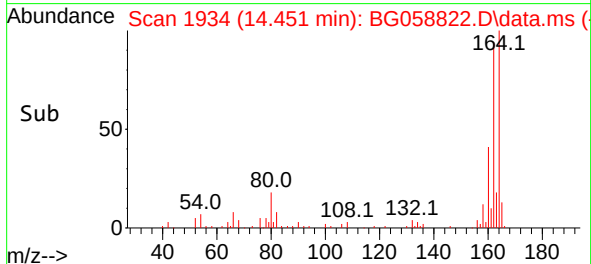
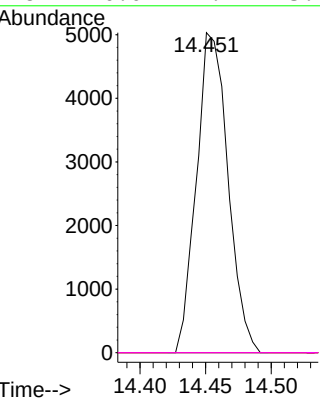
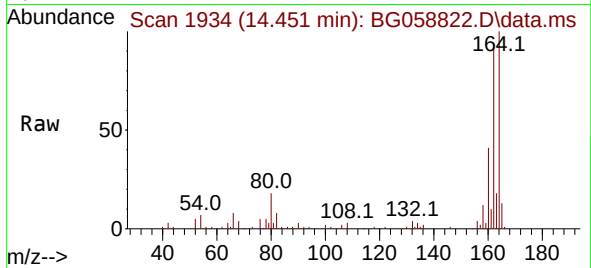
Ion Ratio Lower Upper

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: 17.200 min Scan# 2402

Delta R.T. -0.007 min

Lab File: BG058822.D

Acq: 23 Aug 2023 14:54

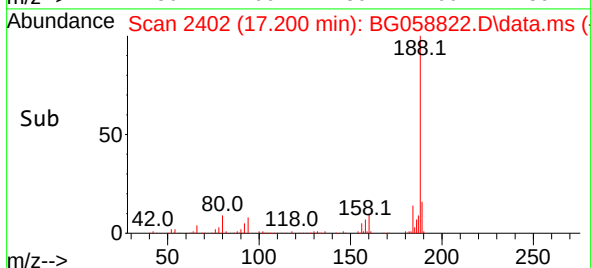
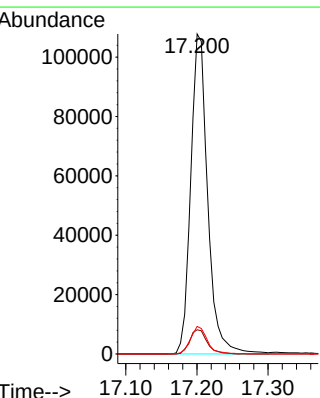
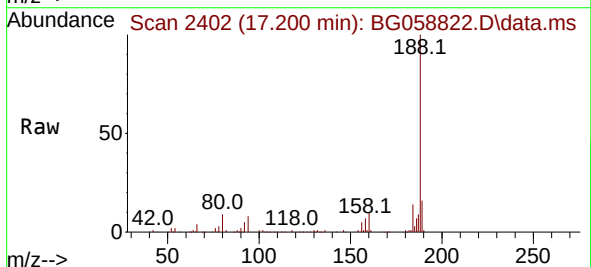
Tgt Ion:188 Resp: 178924

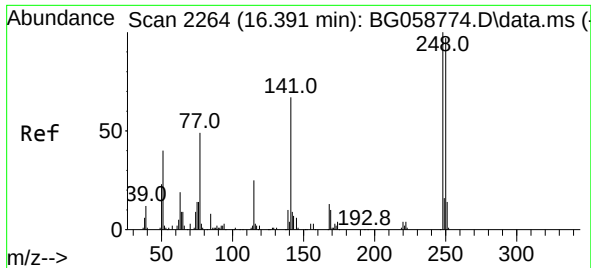
Ion Ratio Lower Upper

188 100

94 7.6 6.1 9.1

80 8.6 6.9 10.3

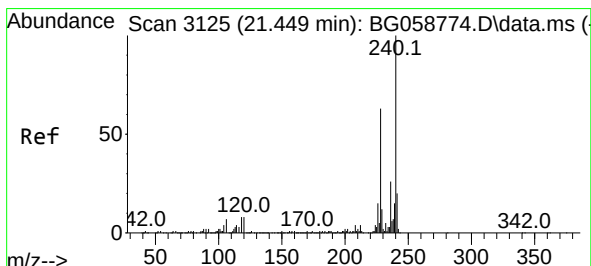
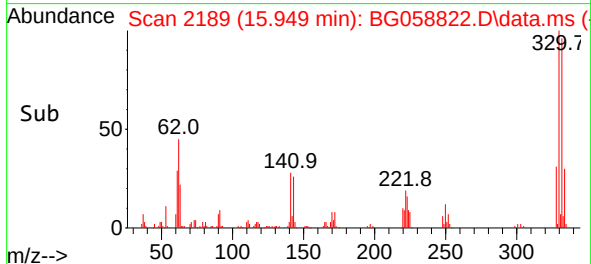
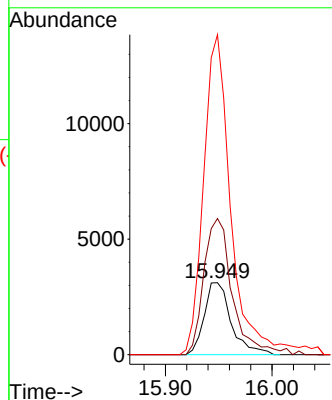
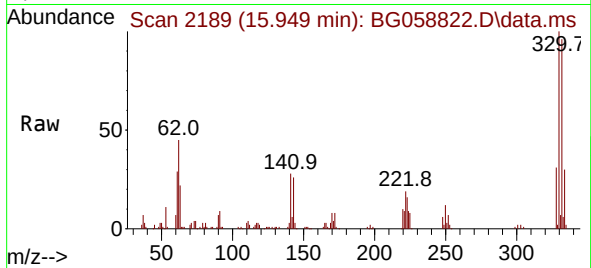




#67
4-Bromophenyl-phenylether
Concen: 2.787 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.442 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

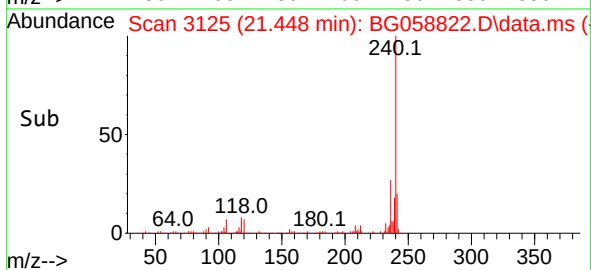
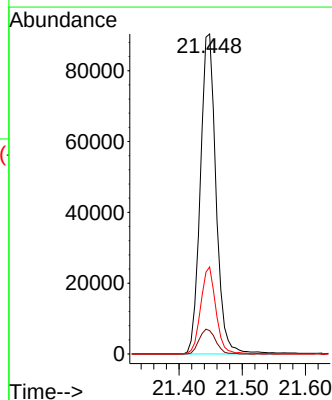
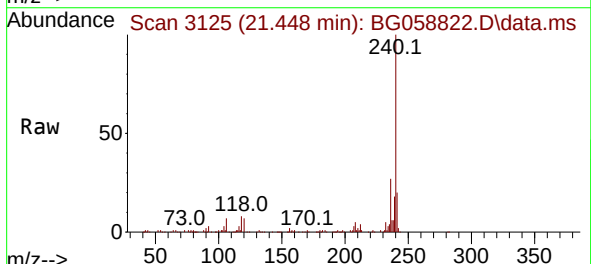
Instrument :
BNA_G
ClientSampleId :
TP-C

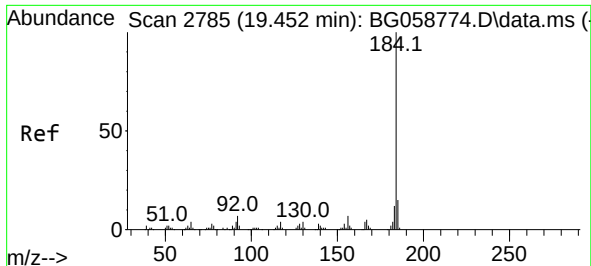
Tgt Ion:248 Resp: 5473
Ion Ratio Lower Upper
248 100
250 189.1 77.7 116.5#
141 444.8 53.6 80.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.001 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

Tgt Ion:240 Resp: 155570
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.2
236 27.2 20.5 30.7

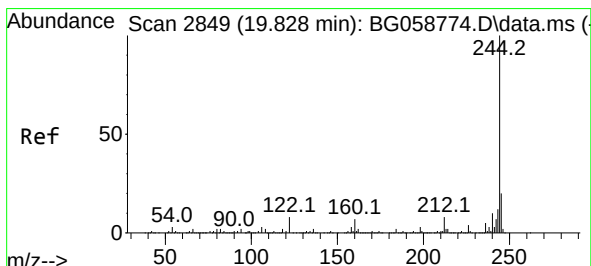
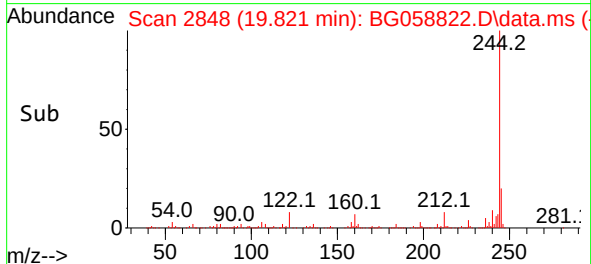
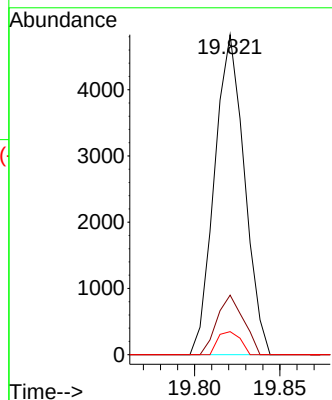
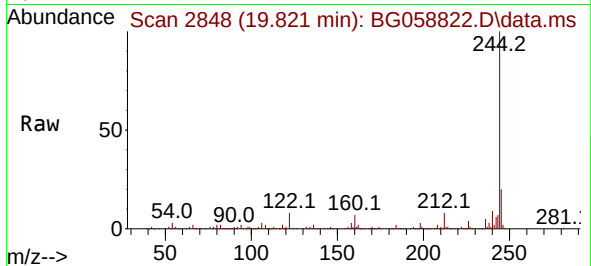




#77
Benzidine
Concen: 2.114 ng
RT: 19.821 min Scan# 21
Delta R.T. 0.369 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

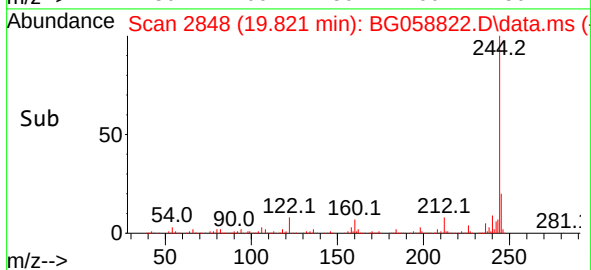
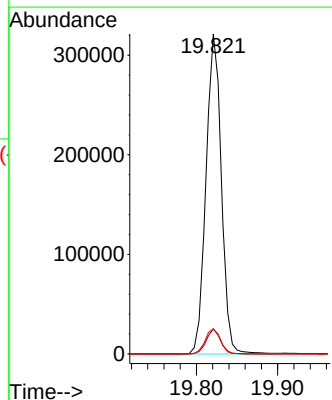
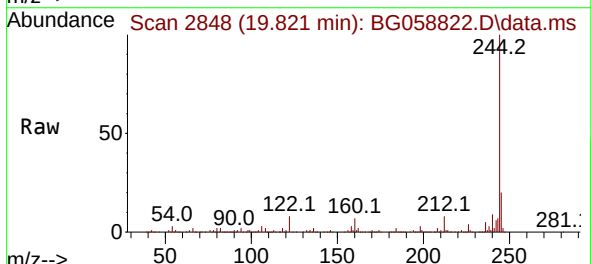
Instrument :
BNA_G
ClientSampleId :
TP-C

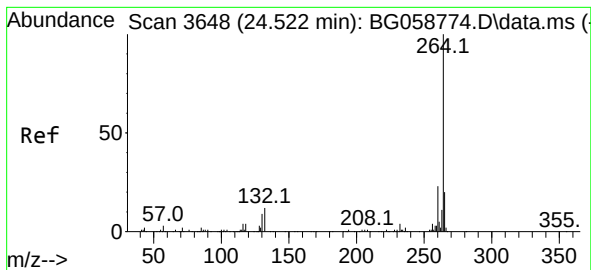
Tgt Ion:184 Resp: 5893
Ion Ratio Lower Upper
184 100
185 18.6 11.9 17.9#
183 7.2 10.0 15.0#



#79
Terphenyl-d14
Concen: 48.607 ng
RT: 19.821 min Scan# 2848
Delta R.T. -0.007 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

Tgt Ion:244 Resp: 421134
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 7.9 6.3 9.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.521 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG058822.D
Acq: 23 Aug 2023 14:54

Instrument :
BNA_G
ClientSampleId :
TP-C

Tgt Ion:264 Resp: 187942

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.2
265	22.1	16.4	24.6

