

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053663.D
 Acq On : 23 May 2022 14:11
 Operator : CG/JU
 Sample : N2982-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-1

Quant Time: May 24 05:09:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

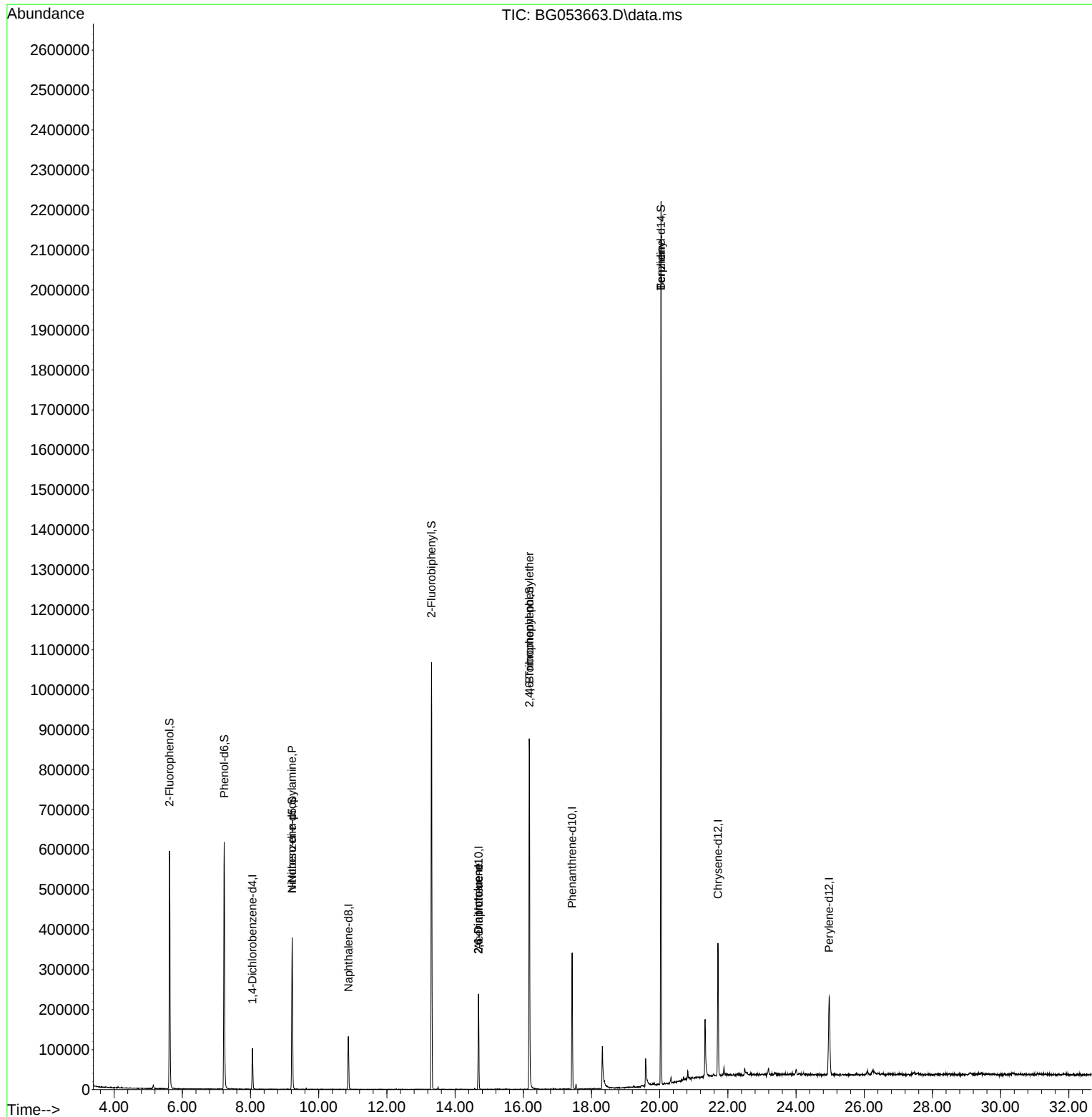
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	28727	20.000	ng	0.00
21) Naphthalene-d8	10.871	136	112589	20.000	ng	0.00
39) Acenaphthene-d10	14.690	164	87198	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	221325	20.000	ng	0.00
76) Chrysene-d12	21.710	240	210581	20.000	ng	0.00
86) Perylene-d12	24.970	264	210886	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.626	112	246500	145.627	ng	0.00
7) Phenol-d6	7.229	99	361910	140.881	ng	0.00
23) Nitrobenzene-d5	9.221	82	249416	94.301	ng	0.00
42) 2,4,6-Tribromophenol	16.182	330	187161	145.529	ng	0.00
45) 2-Fluorobiphenyl	13.309	172	565354	94.743	ng	0.00
79) Terphenyl-d14	20.041	244	1089061	96.321	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.221	70	34143	18.524	ng	# 80
51) 2,6-Dinitrotoluene	14.684	165	11531	8.542	ng	# 16
57) 2,4-Dinitrotoluene	14.684	165	11531	5.893	ng	# 21
67) 4-Bromophenyl-phenylether	16.176	248	12295	4.757	ng	# 1
77) Benzidine	20.041	184	18429	4.060	ng	# 84

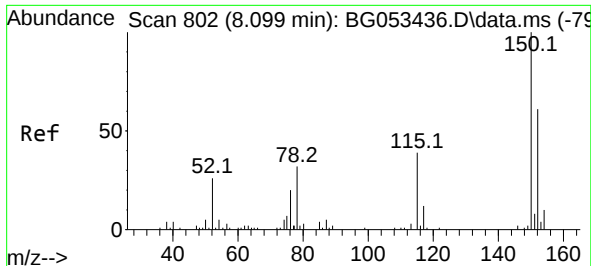
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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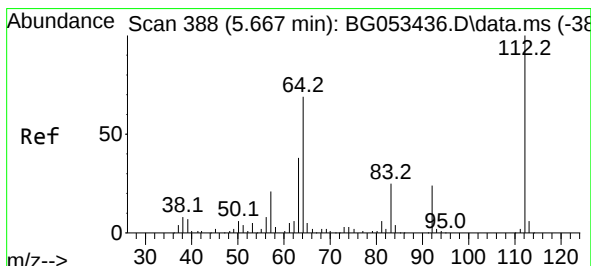
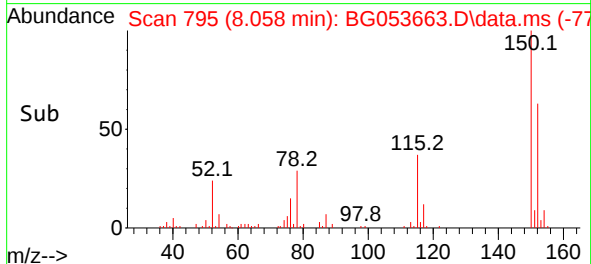
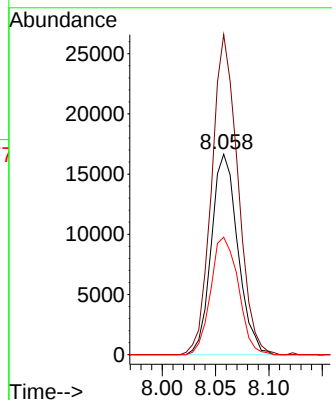
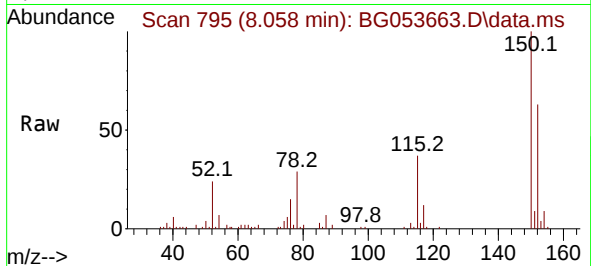




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 795
Delta R.T. -0.000 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

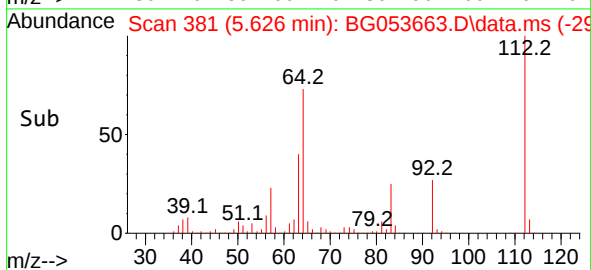
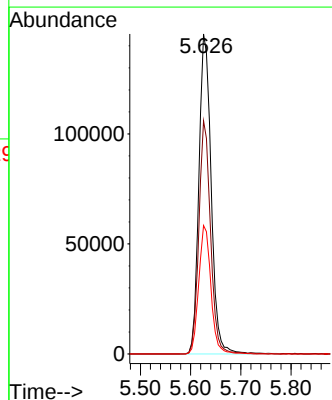
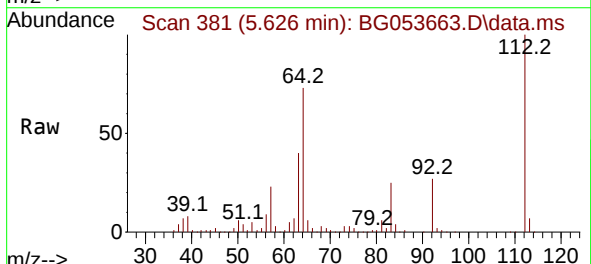
Instrument :
BNA_G
ClientSampleId :
P-1

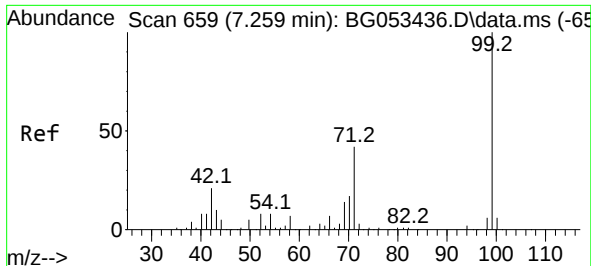
Tgt Ion:152 Resp: 28727
Ion Ratio Lower Upper
152 100
150 159.6 131.6 197.4
115 58.6 50.9 76.3



#5
2-Fluorophenol
Concen: 145.627 ng
RT: 5.626 min Scan# 381
Delta R.T. -0.000 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

Tgt Ion:112 Resp: 246500
Ion Ratio Lower Upper
112 100
64 72.9 55.1 82.7
63 40.2 30.4 45.6

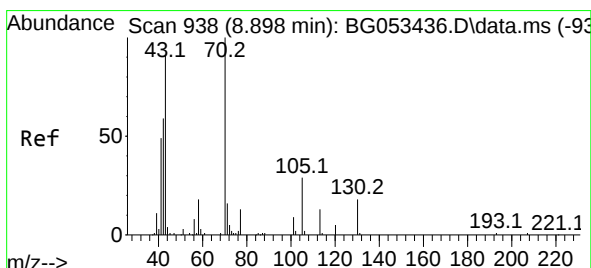
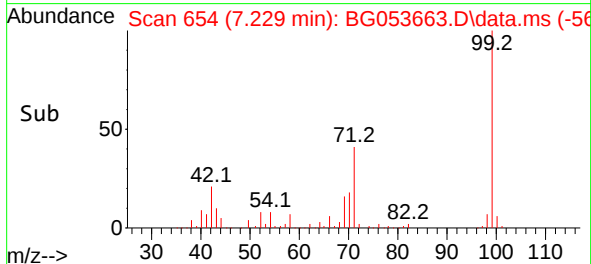
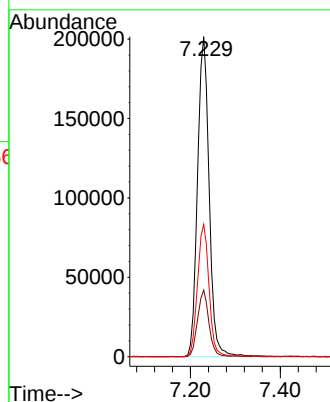
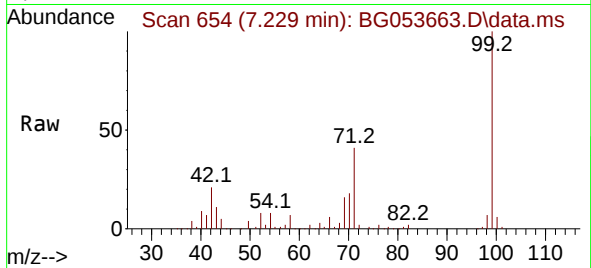




#7
Phenol-d6
Concen: 140.881 ng
RT: 7.229 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

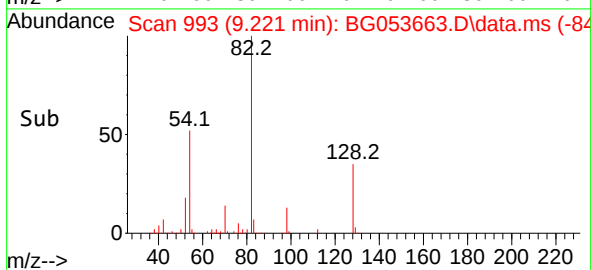
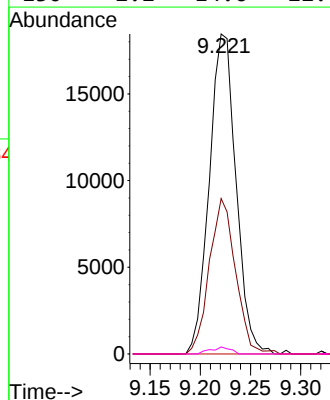
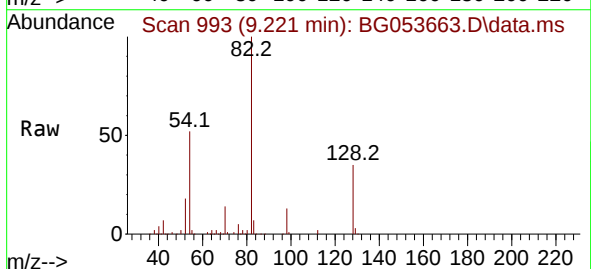
Instrument :
BNA_G
ClientSampleId :
P-1

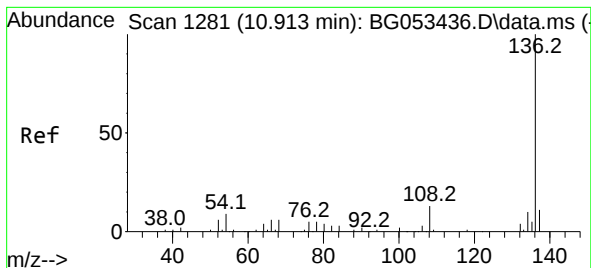
Tgt Ion: 99 Resp: 361910
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 41.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.524 ng
RT: 9.221 min Scan# 993
Delta R.T. 0.358 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

Tgt Ion: 70 Resp: 34143
Ion Ratio Lower Upper
70 100
42 48.5 47.3 70.9
101 0.0 7.0 10.4#
130 2.2 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.871 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG053663.D

Acq: 23 May 2022 14:11

Instrument :

BNA_G

ClientSampleId :

P-1

Tgt Ion:136 Resp: 112589

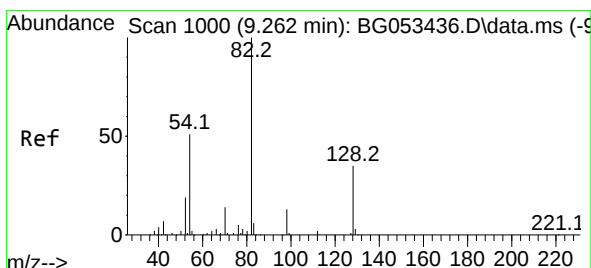
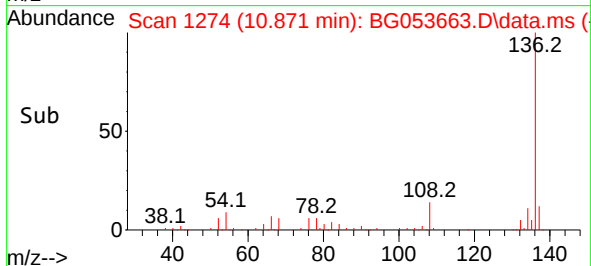
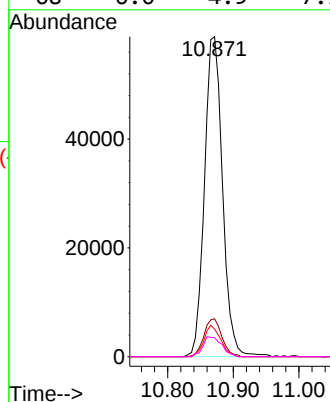
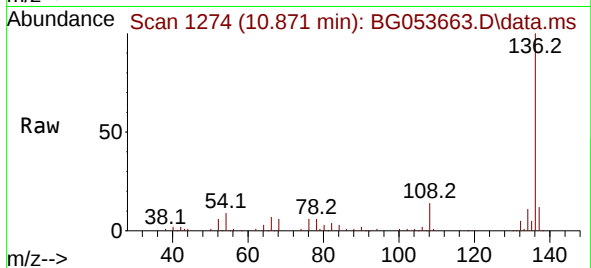
Ion Ratio Lower Upper

136 100

137 11.9 8.5 12.7

54 8.6 7.4 11.2

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 94.301 ng

RT: 9.221 min Scan# 993

Delta R.T. -0.006 min

Lab File: BG053663.D

Acq: 23 May 2022 14:11

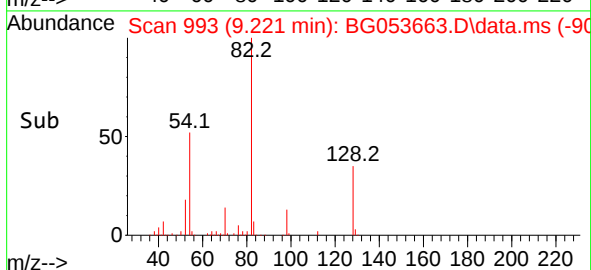
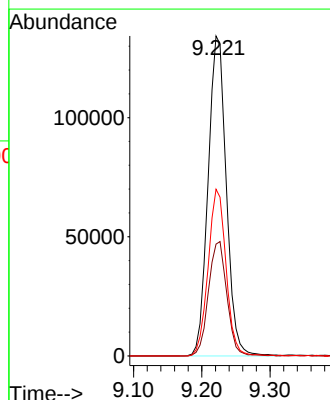
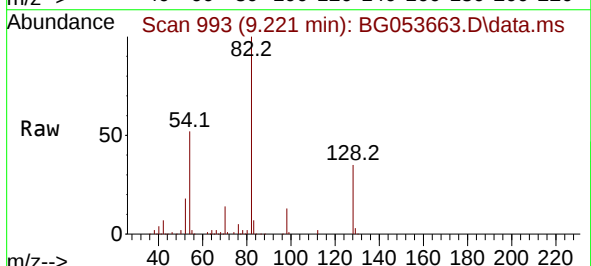
Tgt Ion: 82 Resp: 249416

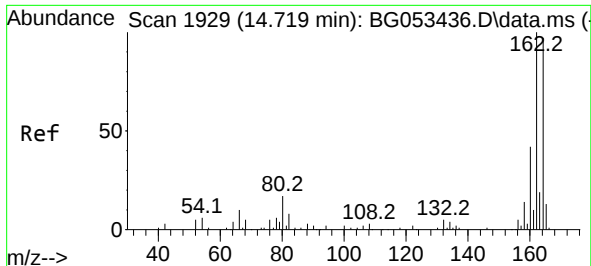
Ion Ratio Lower Upper

82 100

128 34.9 27.9 41.9

54 52.1 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.690 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BG053663.D

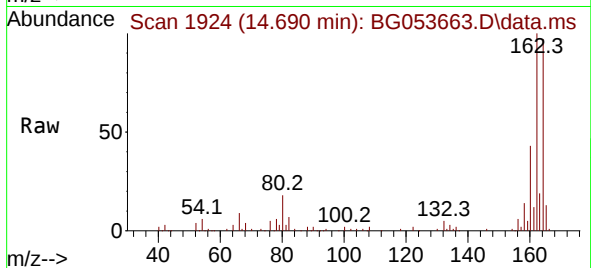
Acq: 23 May 2022 14:11

Instrument :

BNA_G

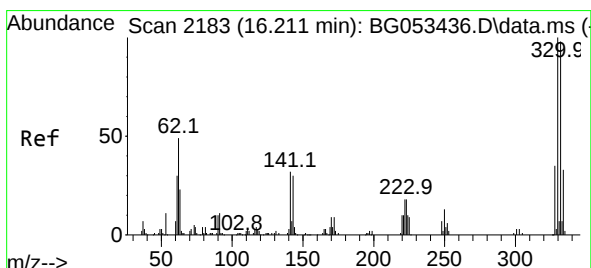
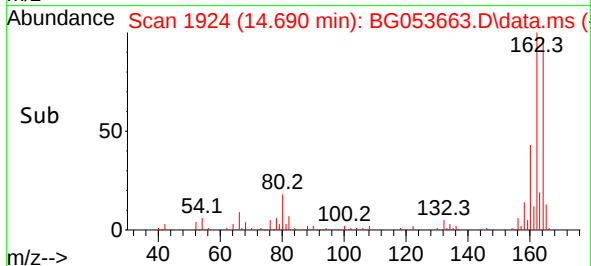
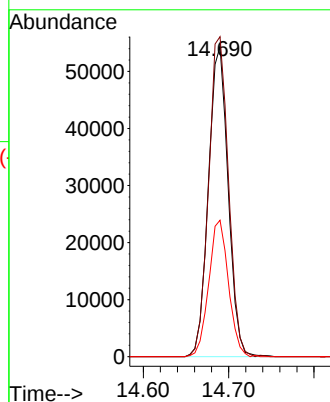
ClientSampleId :

P-1



Tgt Ion:164 Resp: 87198

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.3	123.5
160	44.0	34.2	51.2



#42

2,4,6-Tribromophenol

Concen: 145.529 ng

RT: 16.182 min Scan# 2178

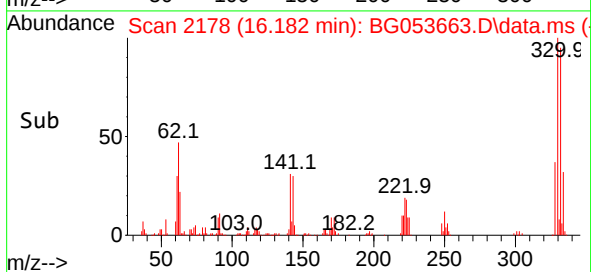
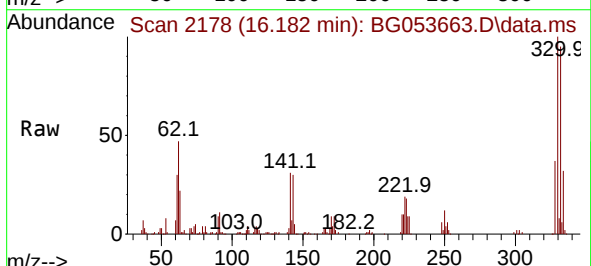
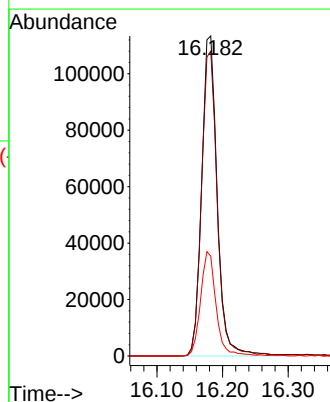
Delta R.T. -0.000 min

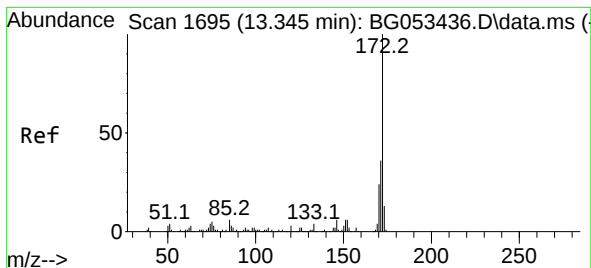
Lab File: BG053663.D

Acq: 23 May 2022 14:11

Tgt Ion:330 Resp: 187161

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.0	114.0
141	32.5	27.1	40.7





#45

2-Fluorobiphenyl

Concen: 94.743 ng

RT: 13.309 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG053663.D

Acq: 23 May 2022 14:11

Instrument :

BNA_G

ClientSampleId :

P-1

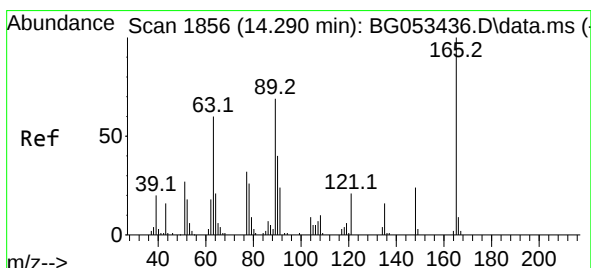
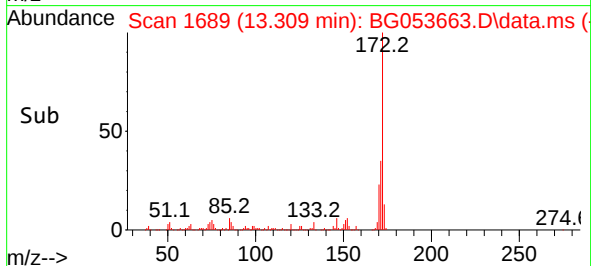
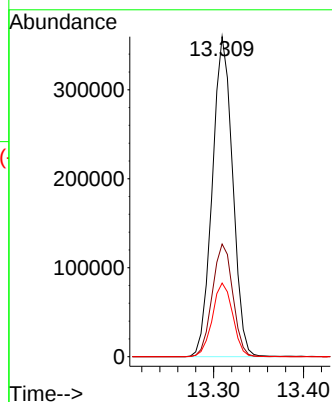
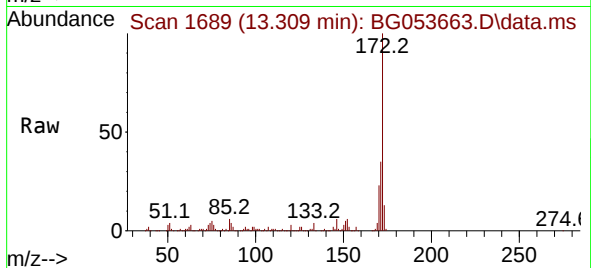
Tgt Ion:172 Resp: 565354

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.0 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.542 ng

RT: 14.684 min Scan# 1923

Delta R.T. 0.423 min

Lab File: BG053663.D

Acq: 23 May 2022 14:11

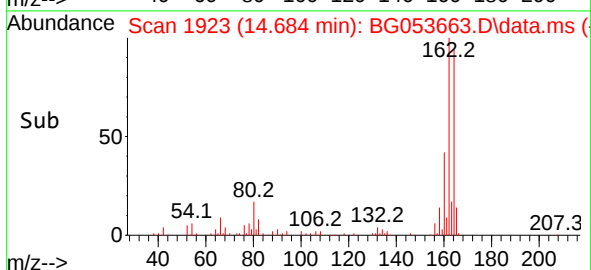
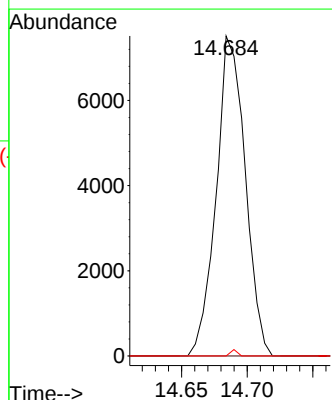
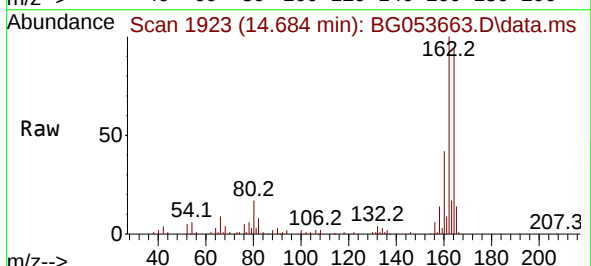
Tgt Ion:165 Resp: 11531

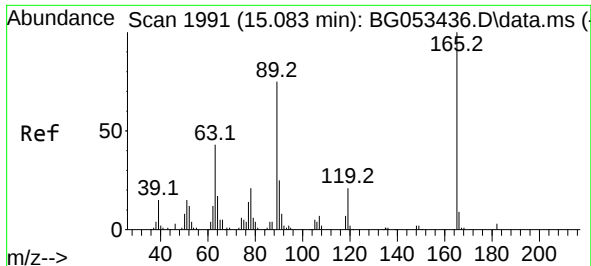
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#

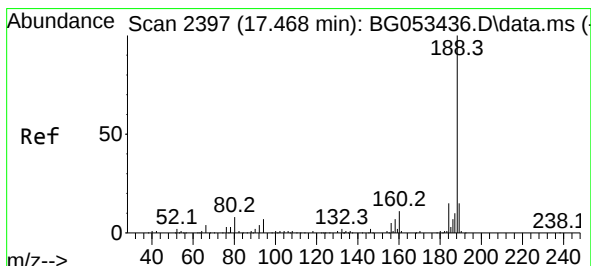
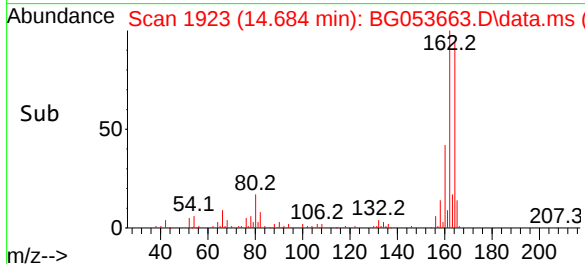
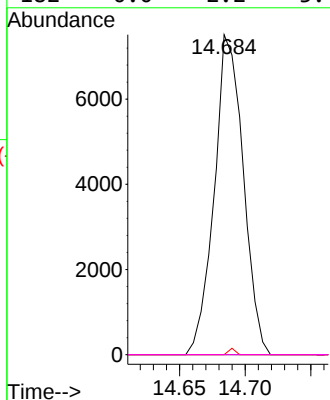
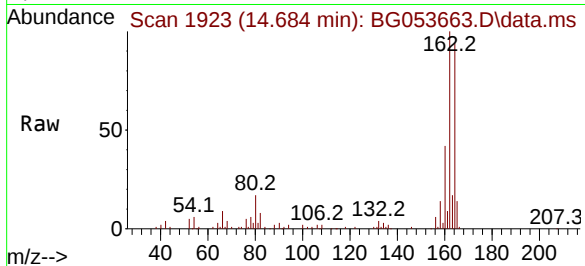




#57
2,4-Dinitrotoluene
Concen: 5.893 ng
RT: 14.684 min Scan# 1991
Delta R.T. -0.370 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

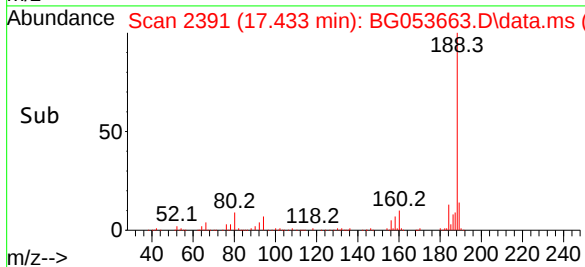
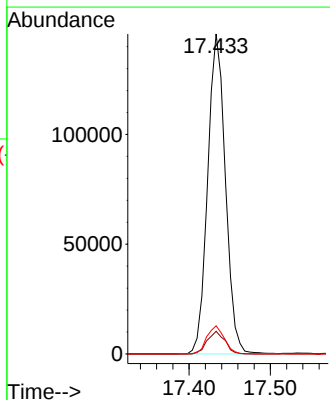
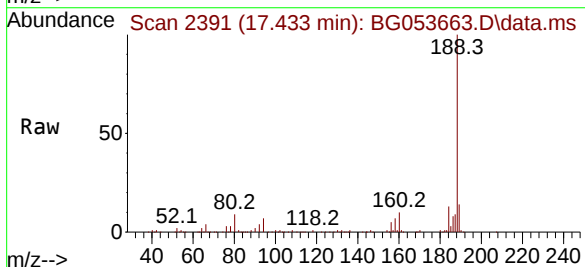
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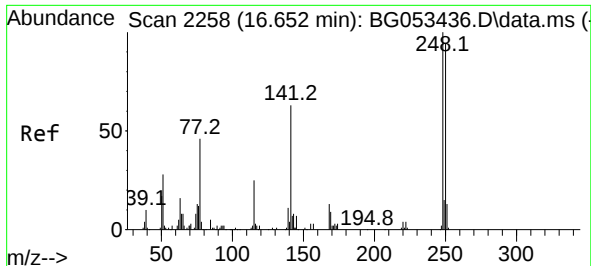
Tgt Ion:165 Resp: 11531
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

Tgt Ion:188 Resp: 221325
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.0
80 8.8 6.8 10.2

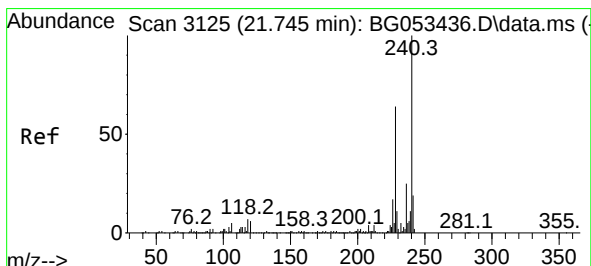
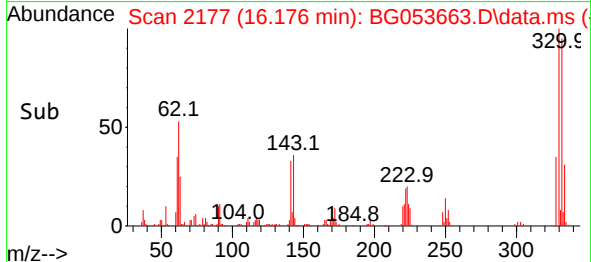
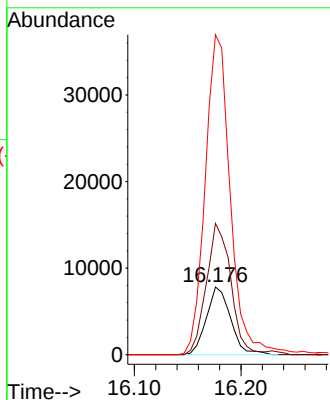
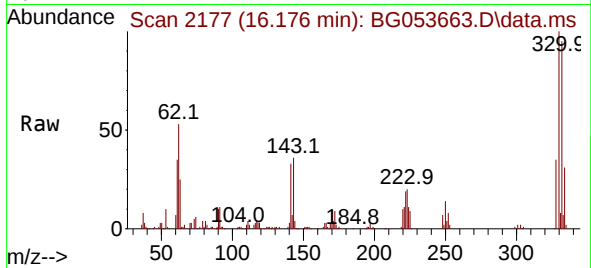




#67
4-Bromophenyl-phenylether
Concen: 4.757 ng
RT: 16.176 min Scan# 2117
Delta R.T. -0.441 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

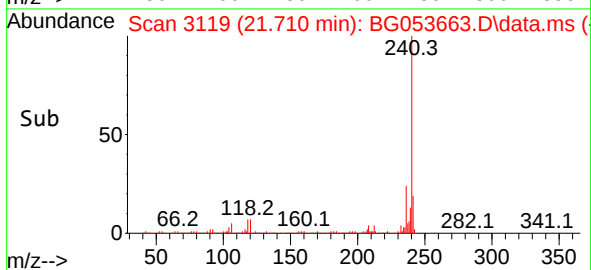
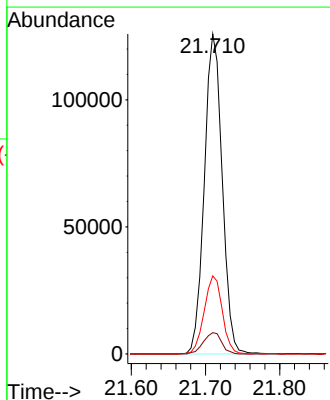
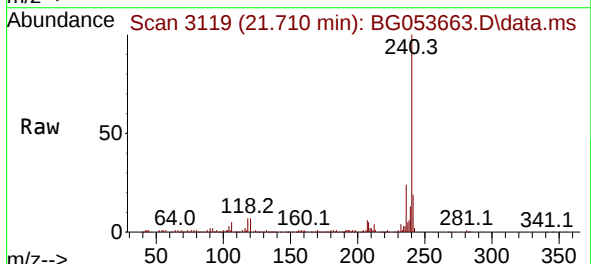
Instrument :
BNA_G
ClientSampleId :
P-1

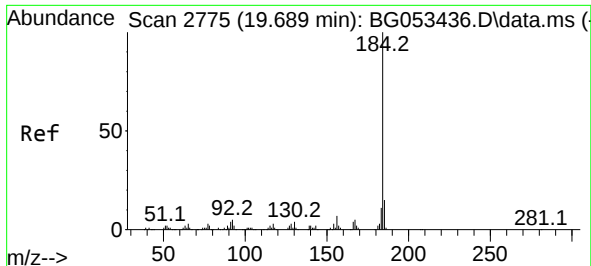
Tgt Ion:248 Resp: 12295
Ion Ratio Lower Upper
248 100
250 194.1 75.2 112.8#
141 473.2 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

Tgt Ion:240 Resp: 210581
Ion Ratio Lower Upper
240 100
120 6.6 4.6 7.0
236 24.4 20.2 30.4

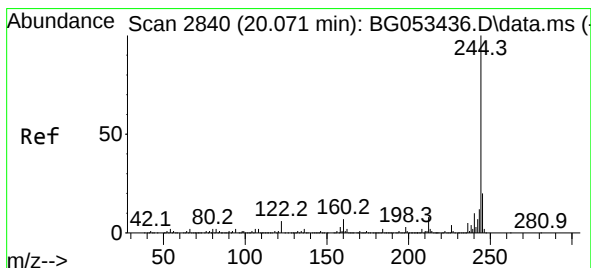
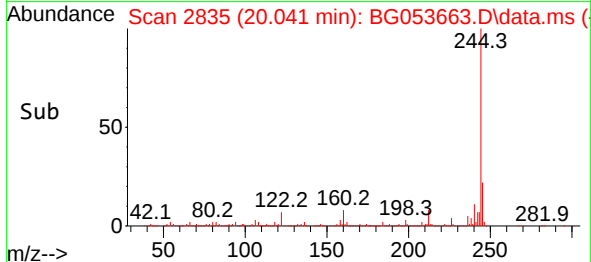
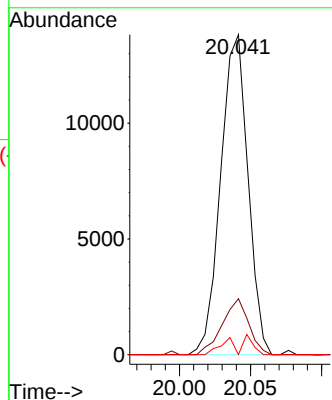
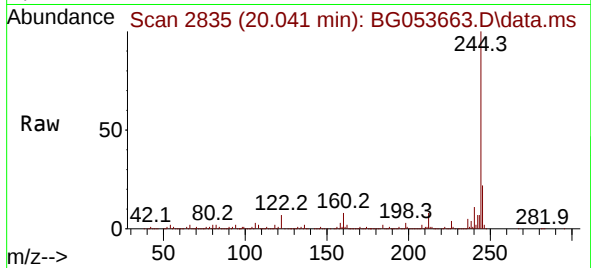




#77
Benzidine
Concen: 4.060 ng
RT: 20.041 min Scan# 2835
Delta R.T. 0.382 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

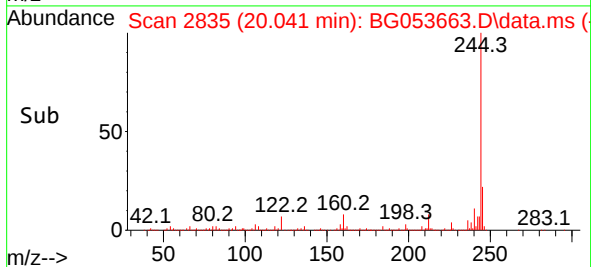
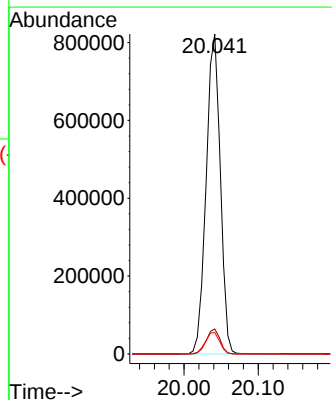
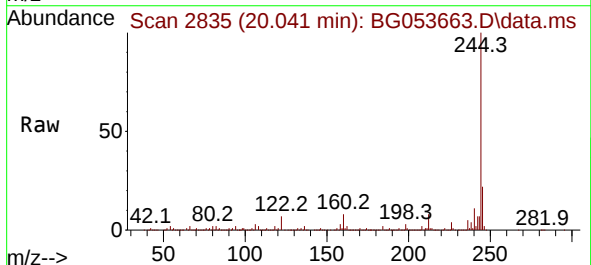
Instrument :
BNA_G
ClientSampleId :
P-1

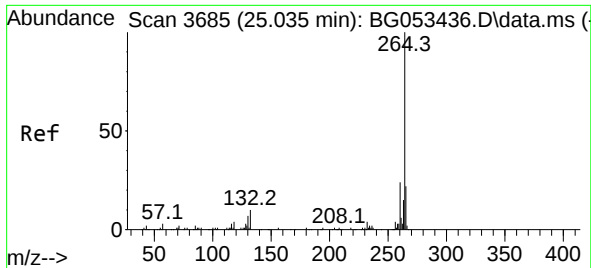
Tgt Ion:184 Resp: 18429
Ion Ratio Lower Upper
184 100
185 17.5 11.8 17.6
183 0.0 8.9 13.3#



#79
Terphenyl-d14
Concen: 96.321 ng
RT: 20.041 min Scan# 2835
Delta R.T. -0.000 min
Lab File: BG053663.D
Acq: 23 May 2022 14:11

Tgt Ion:244 Resp: 1089061
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 6.7 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.970 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: BG053663.D
 Acq: 23 May 2022 14:11

Instrument :
 BNA_G
 ClientSampleId :
 P-1

Tgt Ion:264 Resp: 210886
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.6
 265 21.4 17.4 26.2

