

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080218\
 Data File : BG036062.D
 Acq On : 2 Aug 2018 16:10
 Operator : JU/SJ
 Sample : PB111691BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111691BL

Quant Time: Aug 02 18:39:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

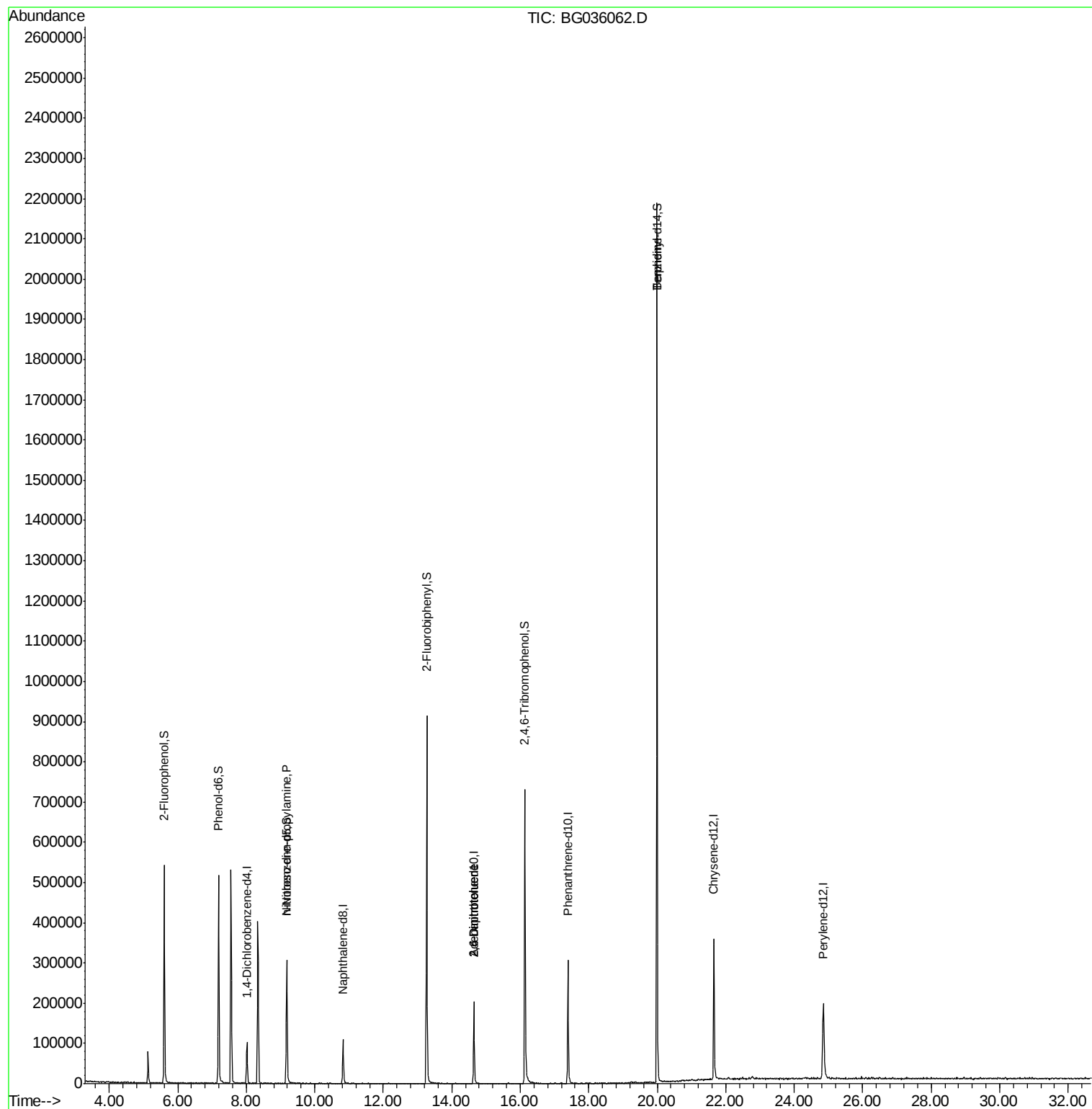
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	30093	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	108068	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	82353	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	237619	20.00	ng	0.00
75) Chrysene-d12	21.65	240	263293	20.00	ng	0.00
86) Perylene-d12	24.85	264	245937	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	241222	133.08	ng	0.00
7) Phenol-d6	7.19	99	328279	121.39	ng	0.00
23) Nitrobenzene-d5	9.18	82	220585	85.27	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	158551	146.07	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	530424	86.29	ng	0.00
78) Terphenyl-d14	19.99	244	1117145	93.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	31018	13.621	ng	# 64
50) 2,6-Dinitrotoluene	14.64	165	10466	7.123	ng	# 18
56) 2,4-Dinitrotoluene	14.64	165	10466	4.965	ng	# 16
76) Benzidine	19.99	184	19290	2.787	ng	# 92

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

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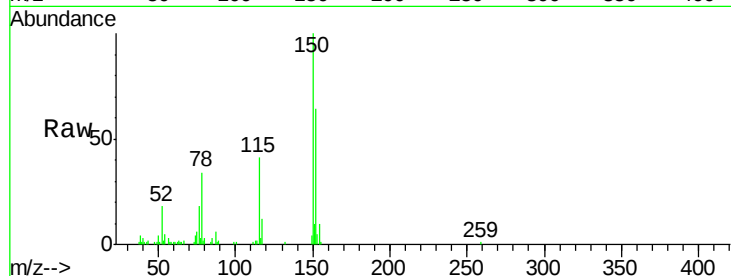


#1

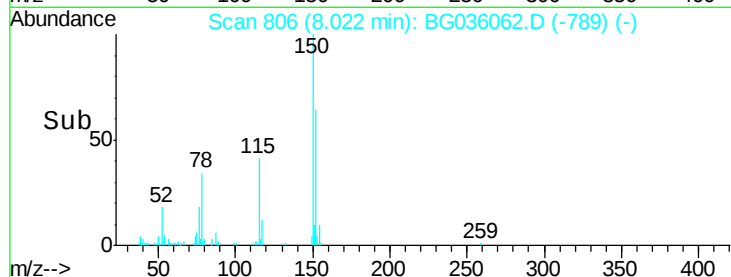
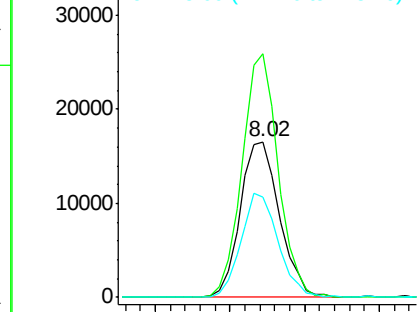
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036062.D
Acq: 2 Aug 2018 16:10

Instrument :
BNA_G
ClientSampleId :
PB111691BL

Tgt Ion:152 Resp: 30093
Ion Ratio Lower Upper
152 100
150 156.7 126.6 189.8
115 64.7 53.0 79.4



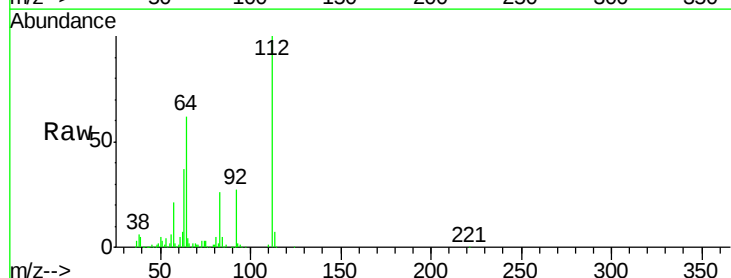
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



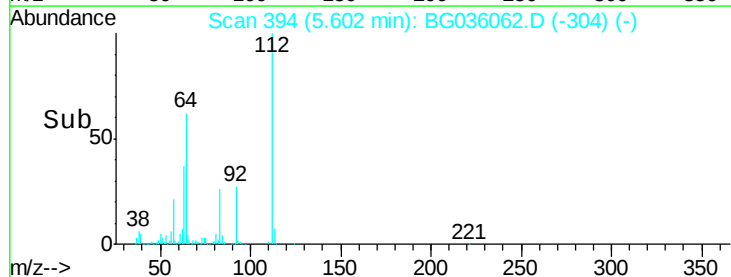
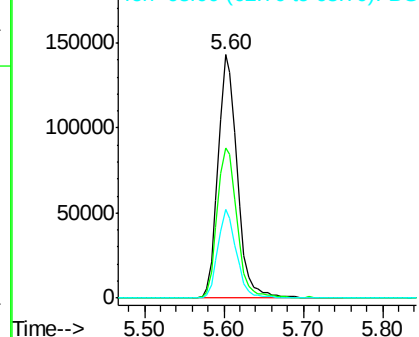
#5

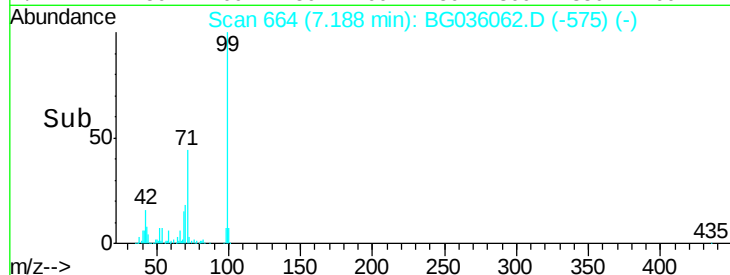
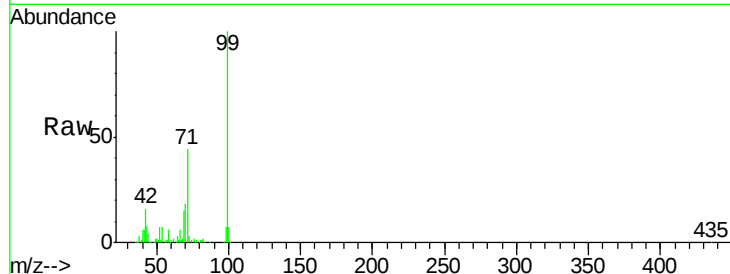
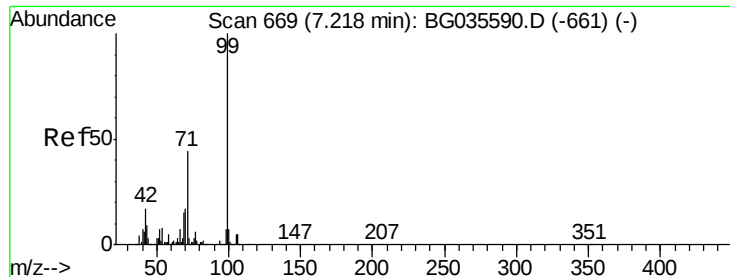
2-Fluorophenol
Concen: 133.083 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG036062.D
Acq: 2 Aug 2018 16:10

Tgt Ion:112 Resp: 241222
Ion Ratio Lower Upper
112 100
64 61.8 56.3 84.5
63 36.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 121.390 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

Instrument :

BNA_G

ClientSampleId :

PB111691BL

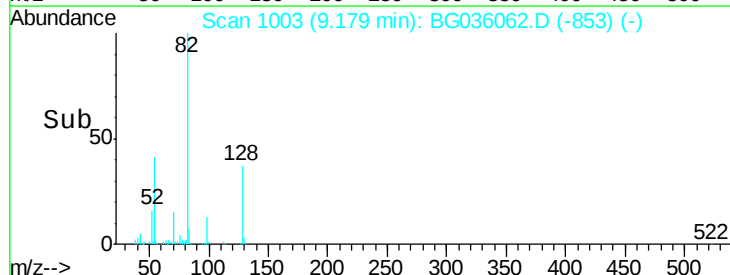
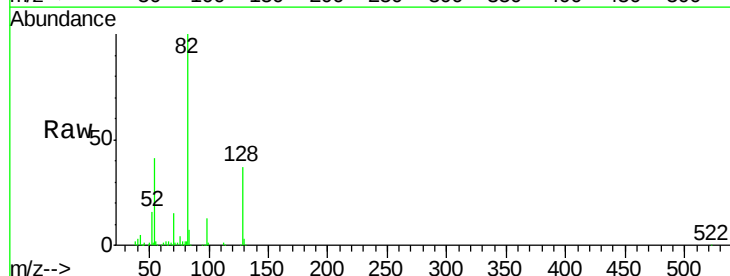
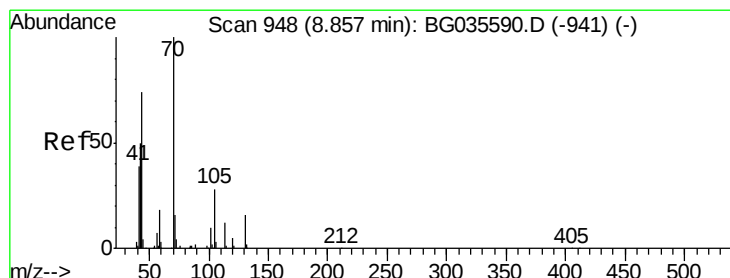
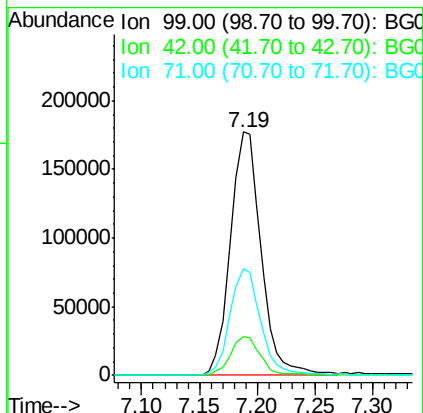
Tgt Ion: 99 Resp: 328279

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

71 43.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.621 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

Tgt Ion: 70 Resp: 31018

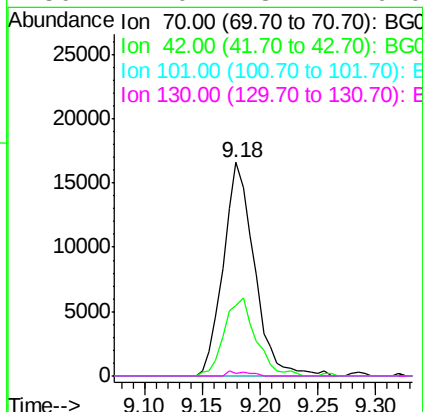
Ion Ratio Lower Upper

70 100

42 33.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.0 13.4 20.0#

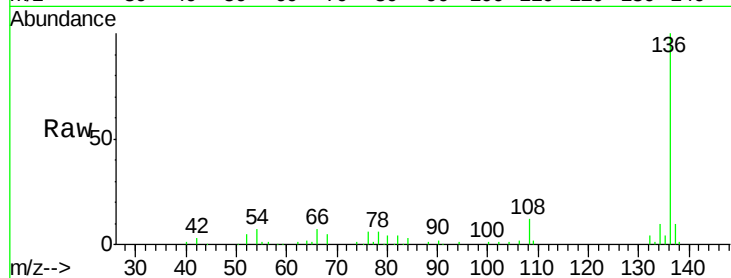




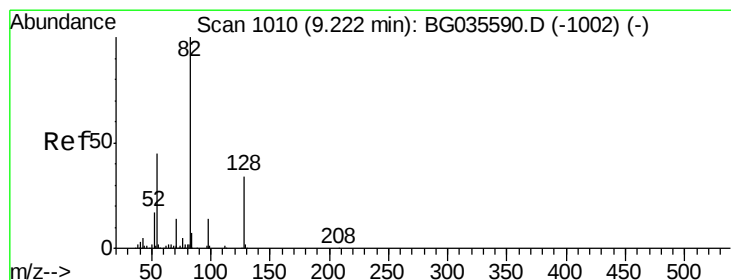
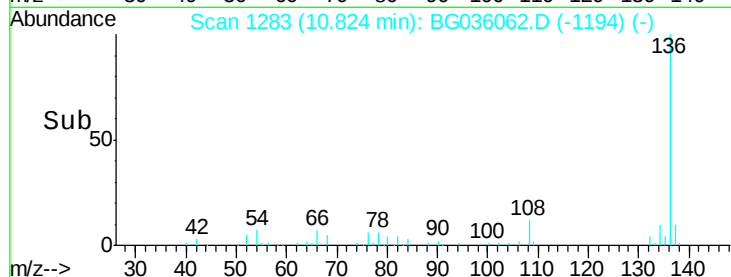
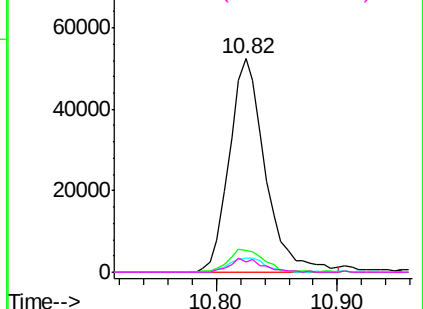
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036062.D
Acq: 2 Aug 2018 16:10

Instrument :
BNA_G
ClientSampleId :
PB111691BL

Tgt Ion:	136	Resp:	108068
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	6.7	10.3	15.5#
68	4.7	4.5	6.7

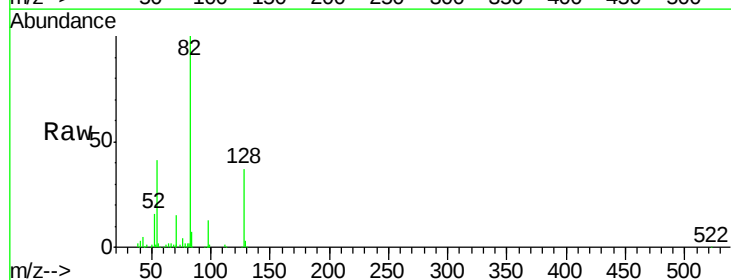


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

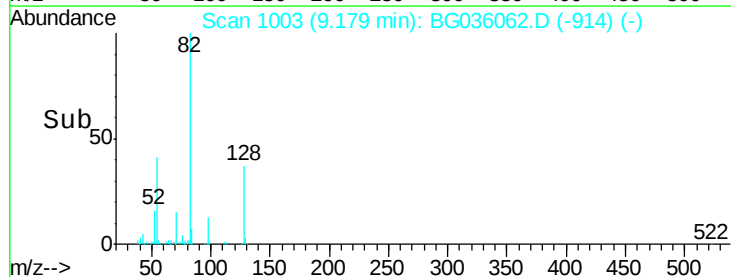
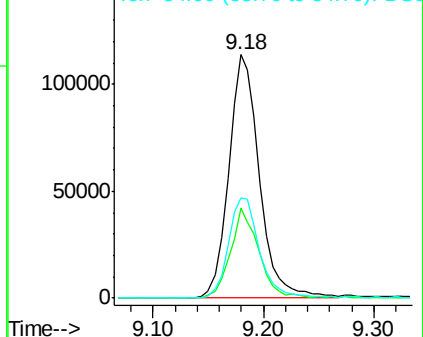


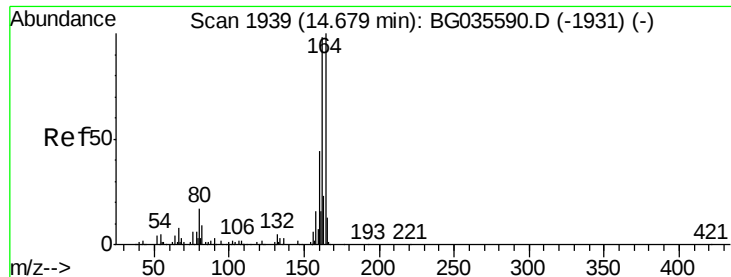
#23
Nitrobenzene-d5
Concen: 85.269 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036062.D
Acq: 2 Aug 2018 16:10

Tgt Ion:	82	Resp:	220585
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.7	44.5
54	41.1	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

Instrument :

BNA_G

ClientSampleId :

PB111691BL

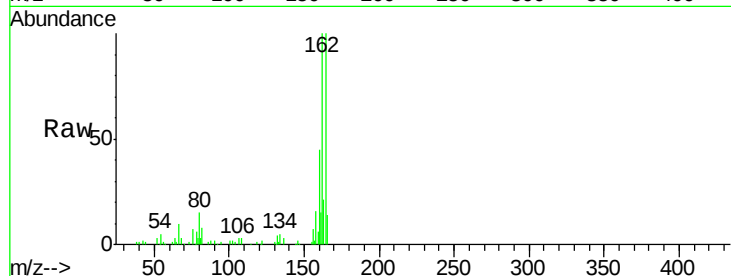
Tgt Ion:164 Resp: 82353

Ion Ratio Lower Upper

164 100

162 99.5 78.8 118.2

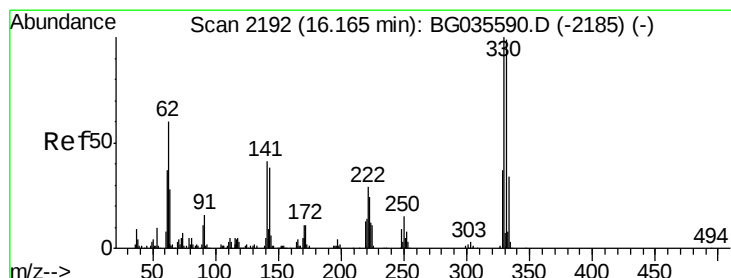
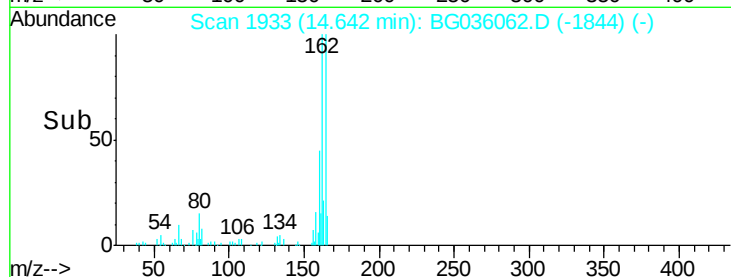
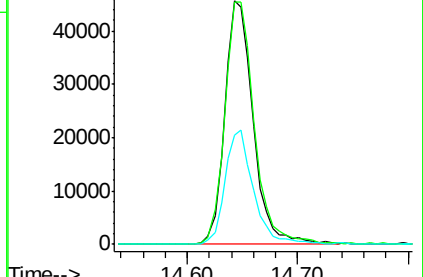
160 45.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 146.067 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

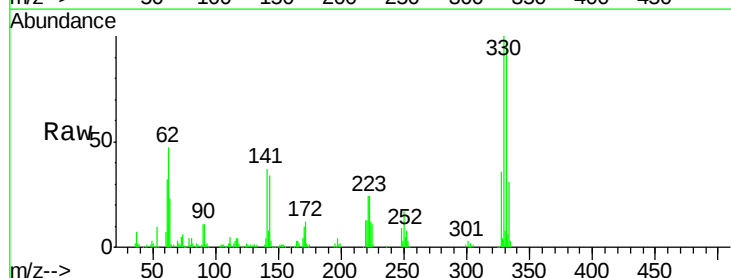
Tgt Ion:330 Resp: 158551

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

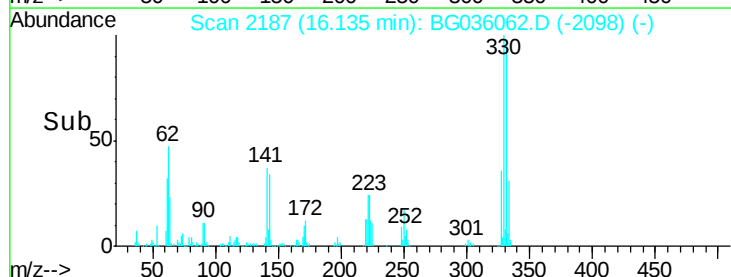
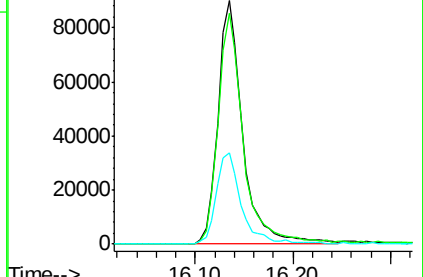
141 38.1 25.2 37.8#

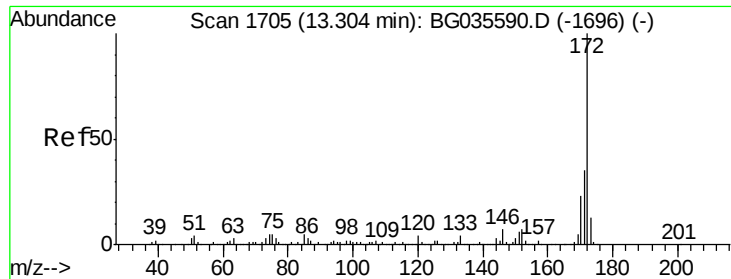


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

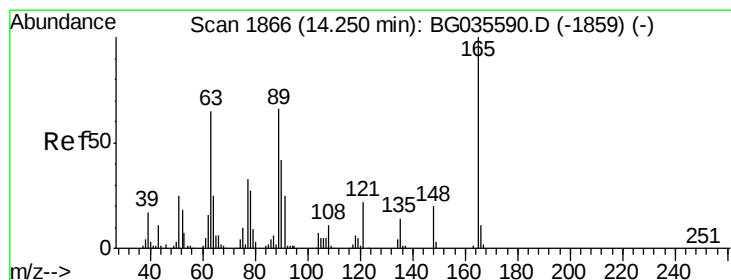
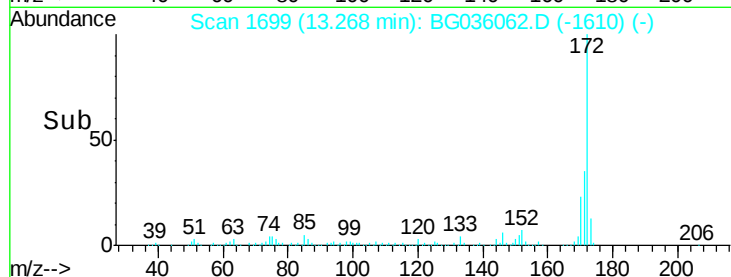
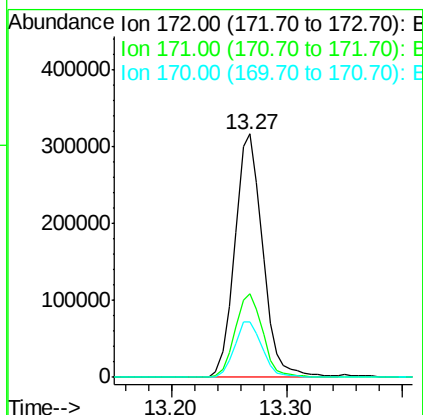
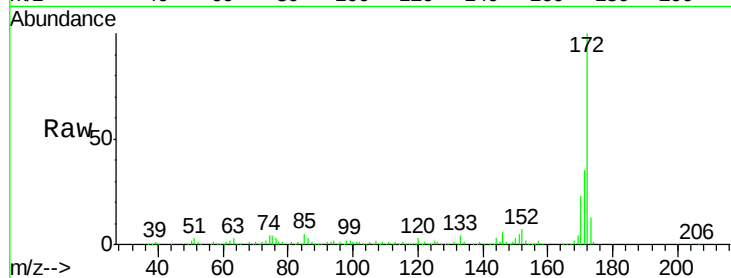




#44
 2-Fluorobiphenyl
 Concen: 86.291 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036062.D
 Acq: 2 Aug 2018 16:10

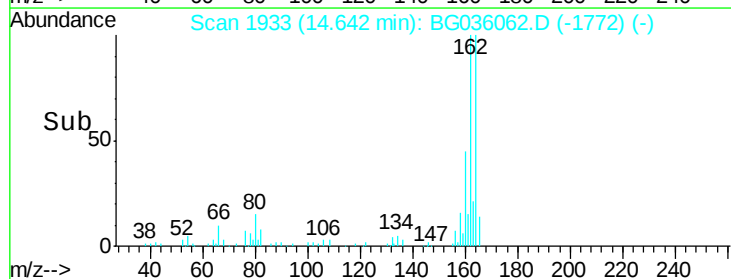
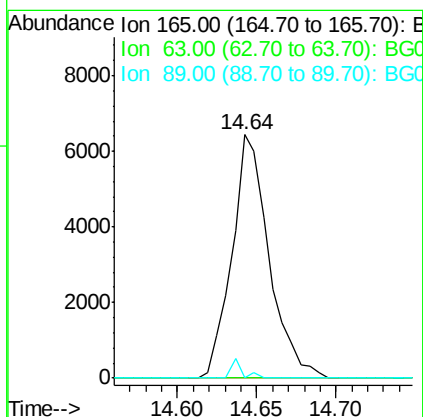
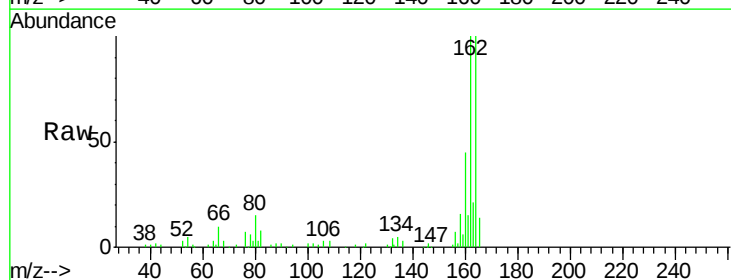
Instrument :
 BNA_G
 ClientSampleId :
 PB111691BL

Tgt Ion:172 Resp: 530424
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 23.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.123 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.41 min
 Lab File: BG036062.D
 Acq: 2 Aug 2018 16:10

Tgt Ion:165 Resp: 10466
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 4.965 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.37 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

Instrument :

BNA_G

ClientSampleId :

PB111691BL

Tgt Ion:165 Resp: 10466

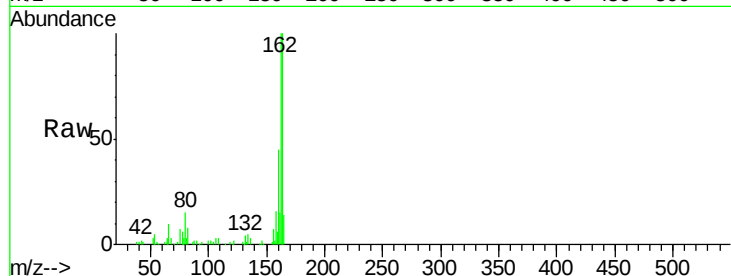
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

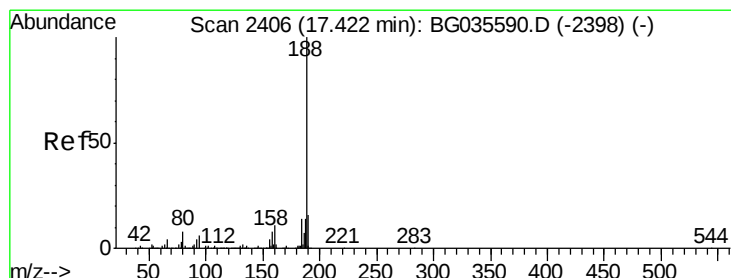
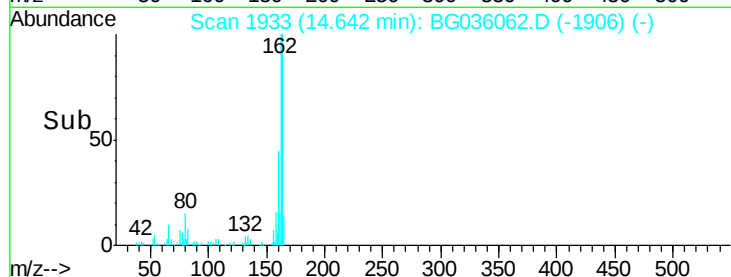
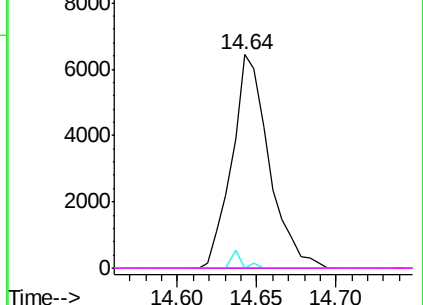


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

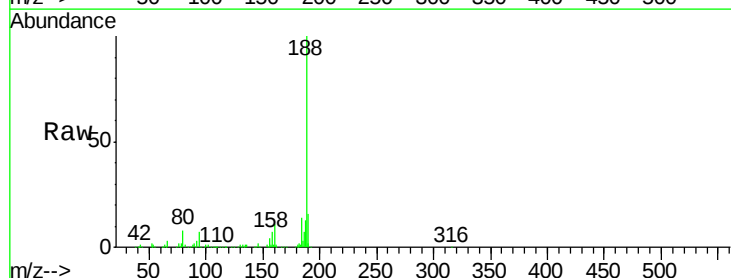
Tgt Ion:188 Resp: 237619

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

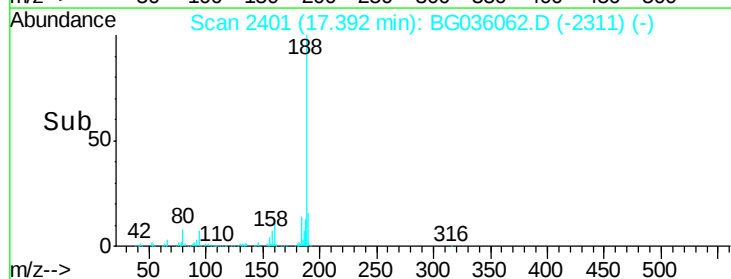
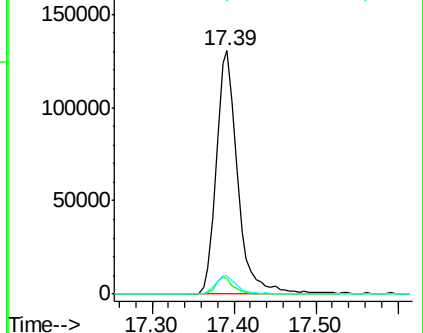
80 7.7 7.7 11.5

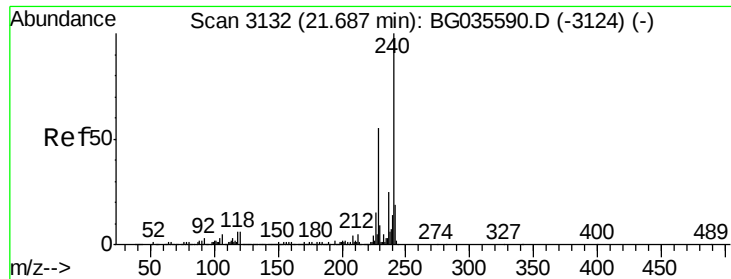


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

Instrument :

BNA_G

ClientSampleId :

PB111691BL

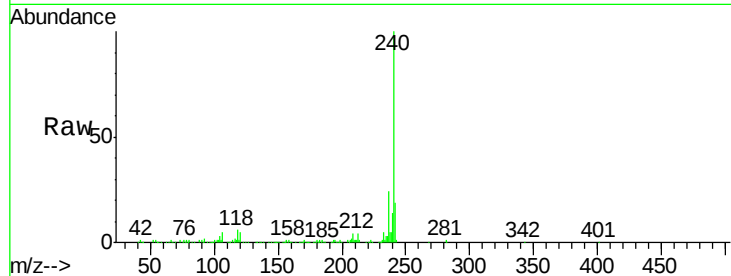
Tgt Ion:240 Resp: 263293

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

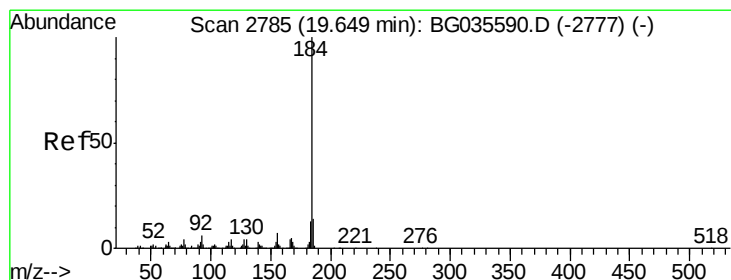
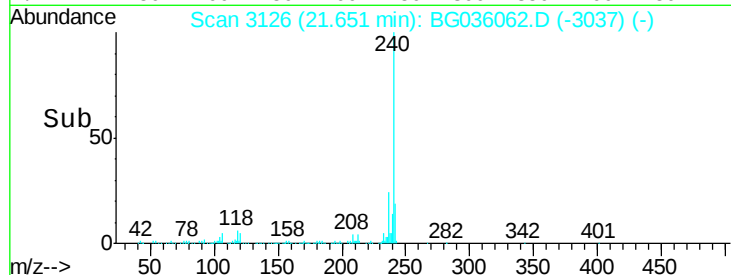
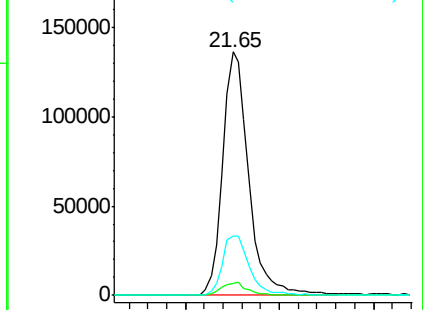
236 24.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.787 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

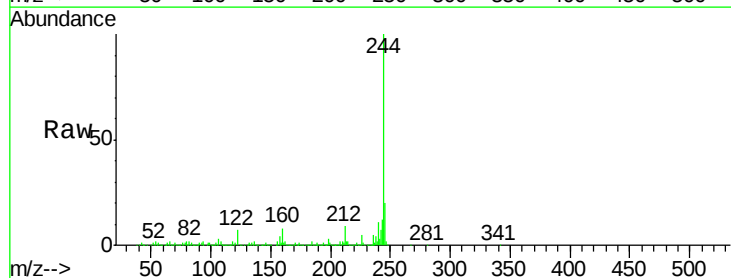
Tgt Ion:184 Resp: 19290

Ion Ratio Lower Upper

184 100

185 14.7 11.1 16.7

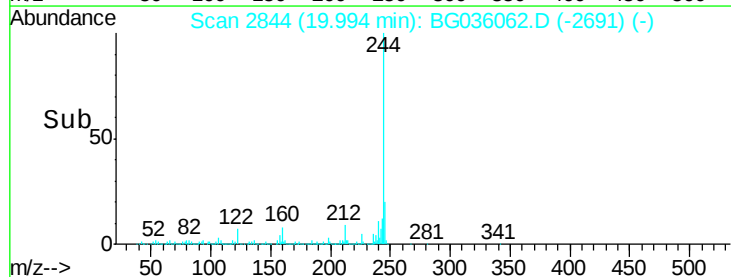
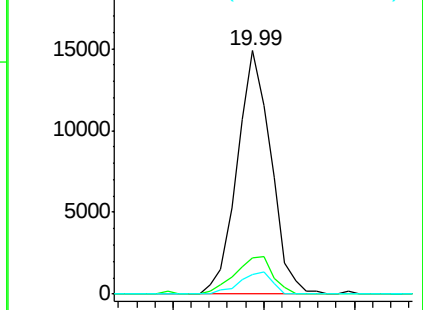
183 7.9 10.6 16.0#

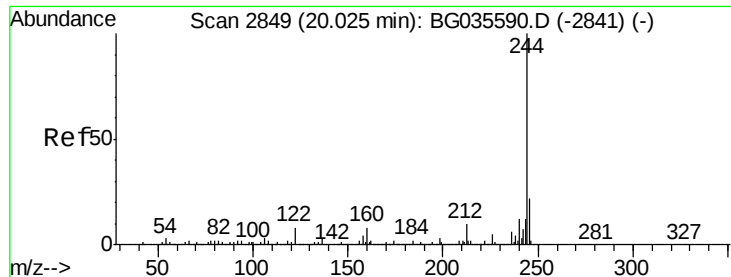


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.528 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

Instrument :

BNA_G

ClientSampleId :

PB111691BL

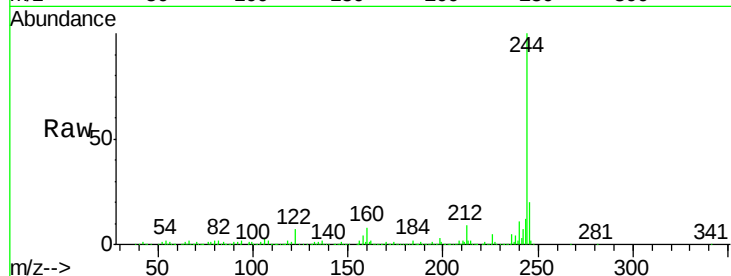
Tgt Ion:244 Resp: 1117145

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

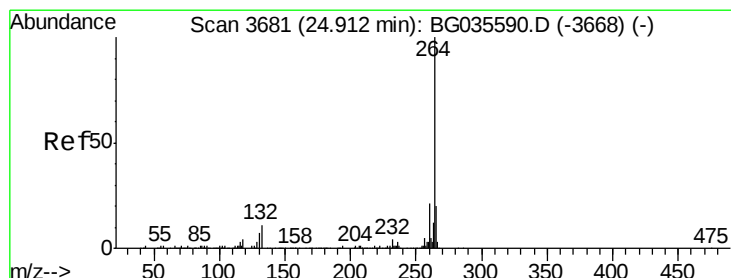
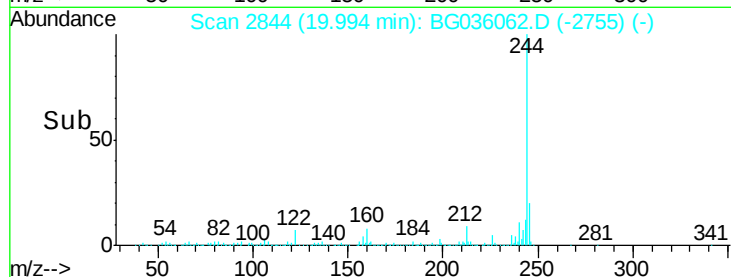
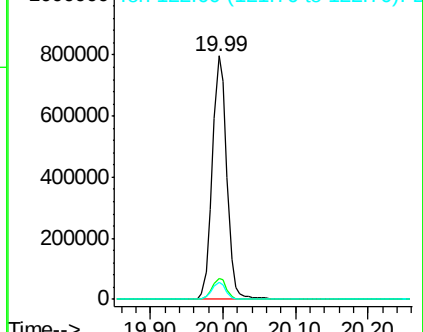
122 6.8 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG036062.D

Acq: 2 Aug 2018 16:10

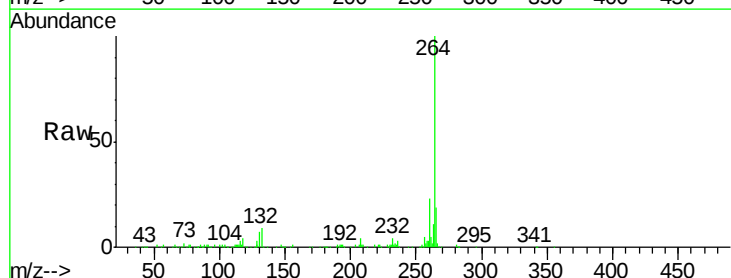
Tgt Ion:264 Resp: 245937

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 18.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

