

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035817.D
 Acq On : 21 Jul 2018 12:58
 Operator : JU/SJ
 Sample : PB111321BL
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111321BL

Quant Time: Jul 23 01:03:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

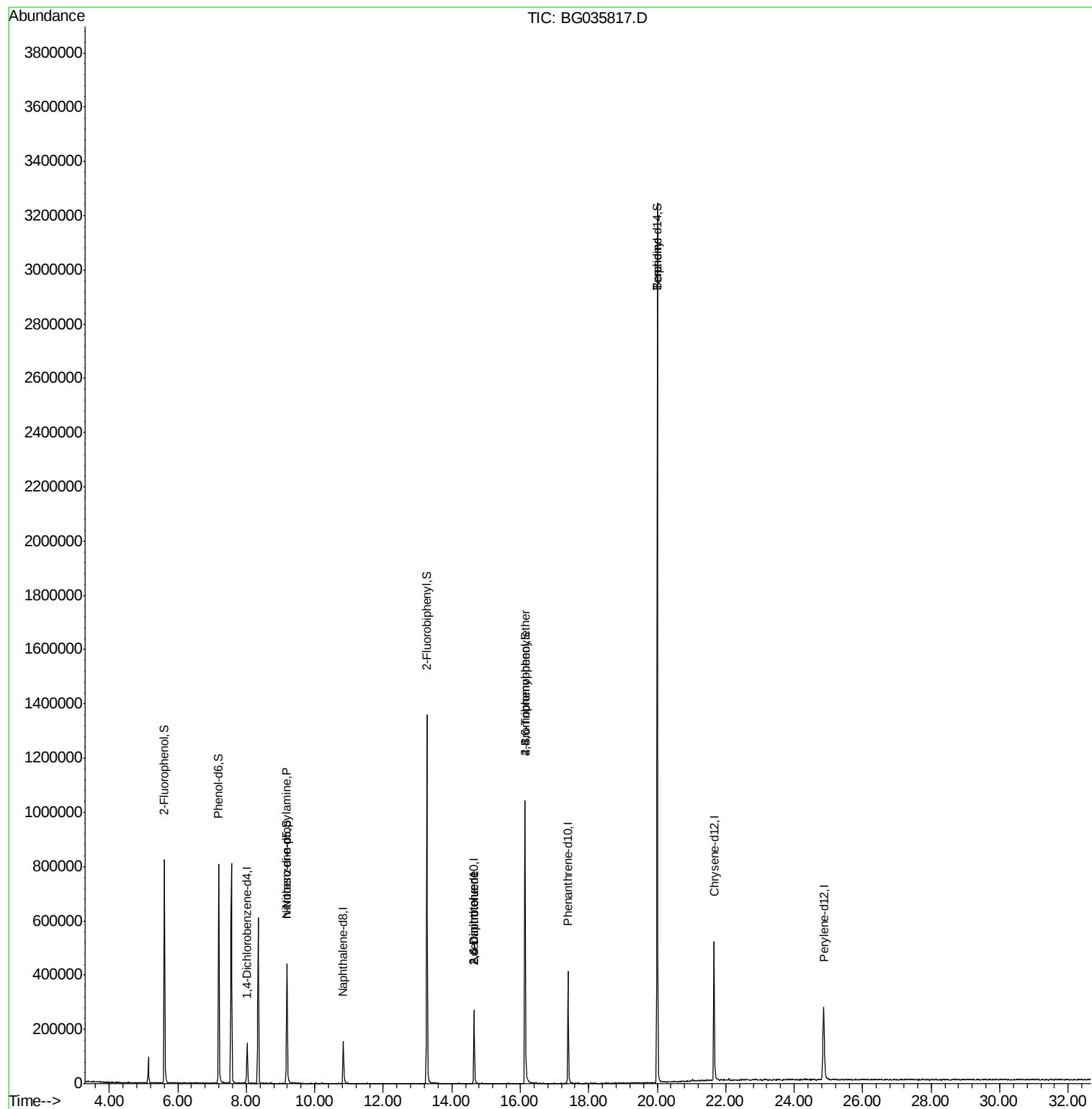
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	43472	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	148274	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	106133	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	306885	20.00	ng	0.00
75) Chrysene-d12	21.66	240	371667	20.00	ng	0.00
86) Perylene-d12	24.86	264	343342	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	364483	139.20	ng	0.00
7) Phenol-d6	7.20	99	512893	131.29	ng	0.00
23) Nitrobenzene-d5	9.19	82	322107	90.75	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	217505	155.48	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	754943	95.30	ng	0.00
78) Terphenyl-d14	20.00	244	1590068	94.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	43267	13.152	ng	# 66
50) 2,6-Dinitrotoluene	14.65	165	13849	7.314	ng	# 22
56) 2,4-Dinitrotoluene	14.65	165	13849	5.098	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	17213	4.835	ng	# 1
76) Benzidine	20.00	184	25455	2.605	ng	95

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

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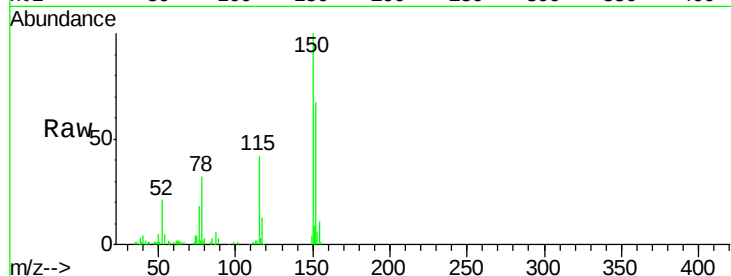


#1

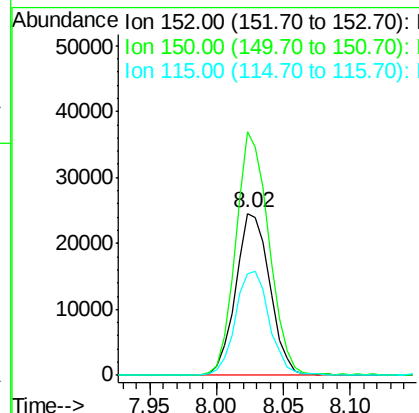
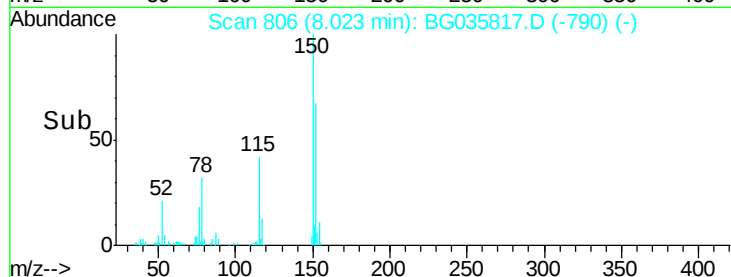
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BG035817.D
 Acq: 21 Jul 2018 12:58

Instrument :
 BNA_G
 ClientSampleId :
 PB111321BL

Tgt Ion:152 Resp: 43472
 Ion Ratio Lower Upper
 152 100
 150 150.1 126.6 189.8
 115 62.6 53.0 79.4



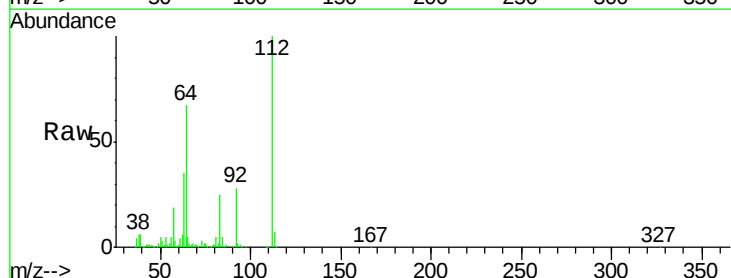
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



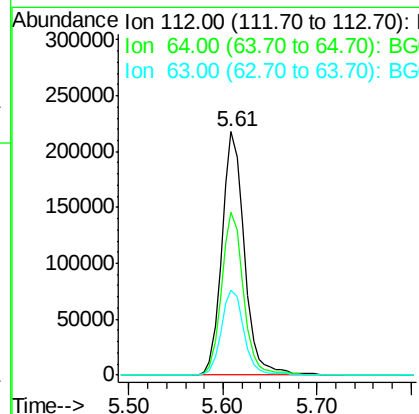
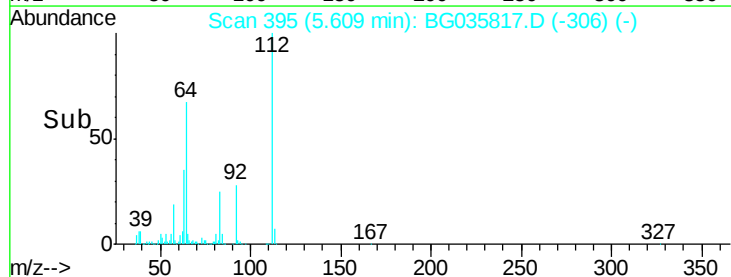
#5

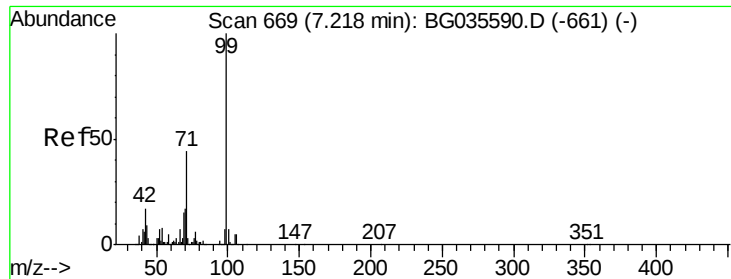
2-Fluorophenol
 Concen: 139.199 ng
 RT: 5.61 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: BG035817.D
 Acq: 21 Jul 2018 12:58

Tgt Ion:112 Resp: 364483
 Ion Ratio Lower Upper
 112 100
 64 66.9 56.3 84.5
 63 34.8 30.1 45.1



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





#7

Phenol-d6

Concen: 131.287 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035817.D

Acq: 21 Jul 2018 12:58

Instrument :

BNA_G

ClientSampleId :

PB111321BL

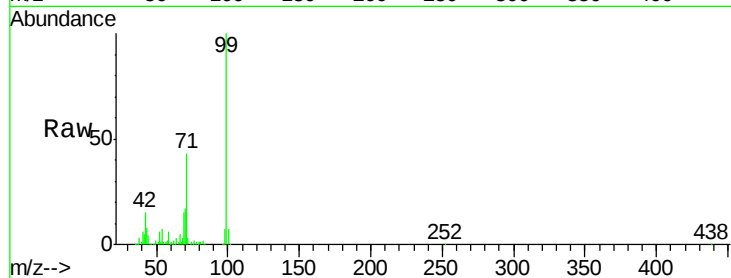
Tgt Ion: 99 Resp: 512893

Ion Ratio Lower Upper

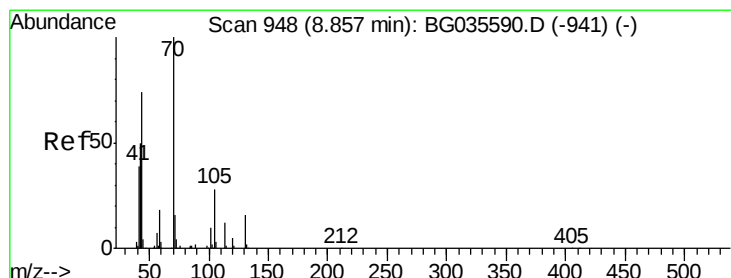
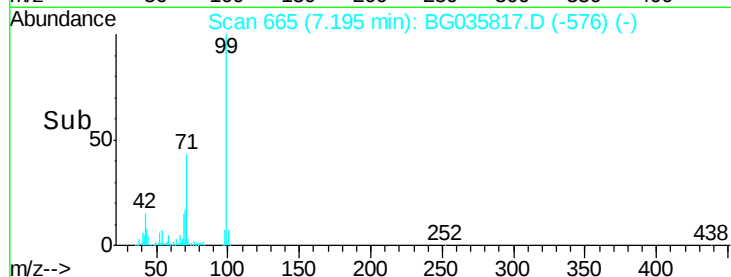
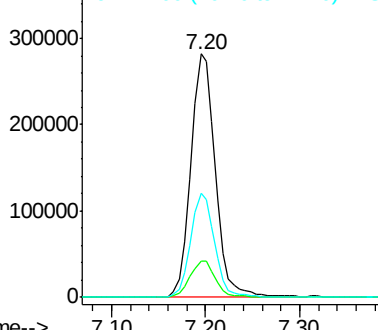
99 100

42 15.1 14.1 21.1

71 43.0 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.152 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035817.D

Acq: 21 Jul 2018 12:58

Tgt Ion: 70 Resp: 43267

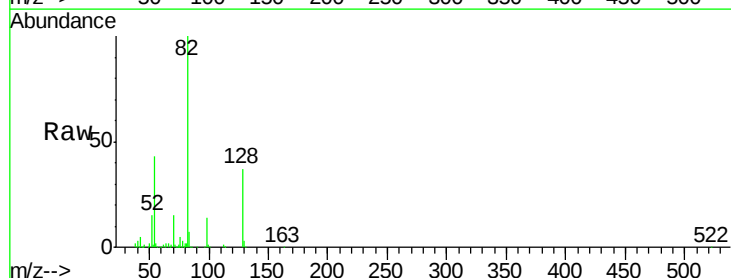
Ion Ratio Lower Upper

70 100

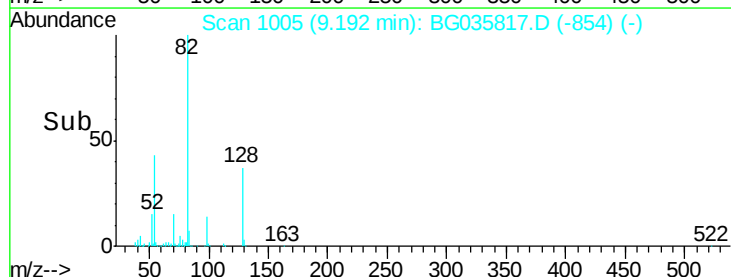
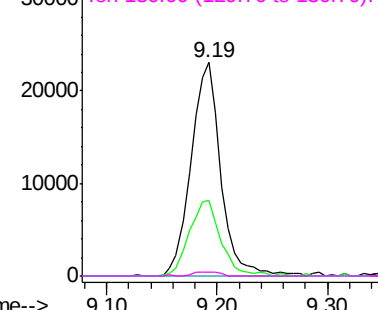
42 35.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

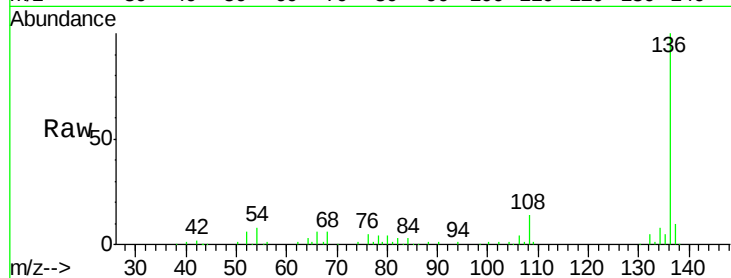




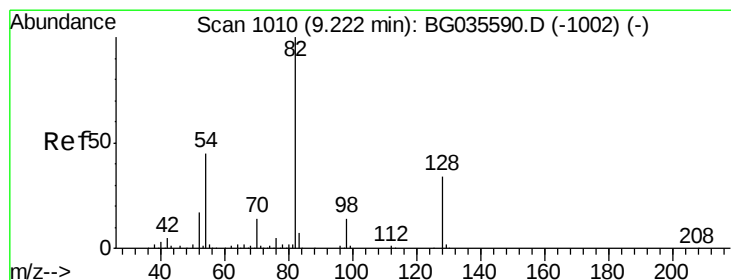
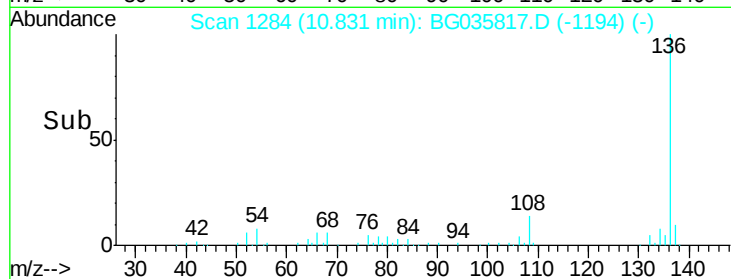
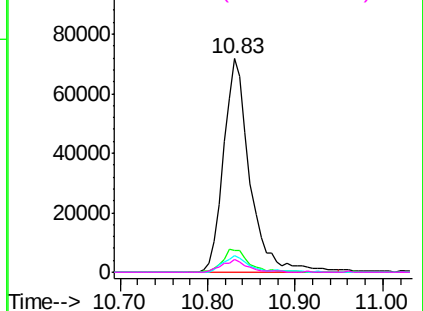
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035817.D
Acq: 21 Jul 2018 12:58

Instrument :
BNA_G
ClientSampleId :
PB111321BL

Tgt Ion: 136 Resp: 148274
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 7.7 10.3 15.5#
68 6.1 4.5 6.7

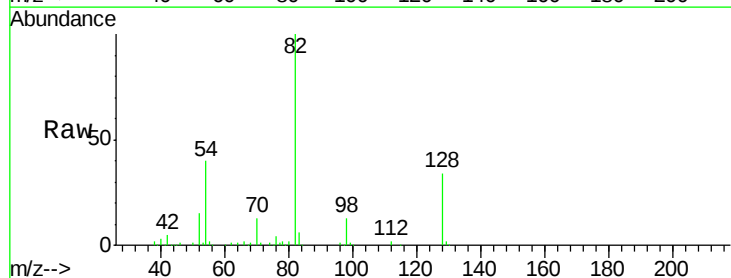


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

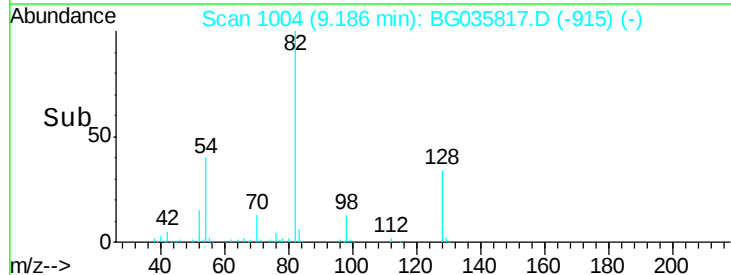
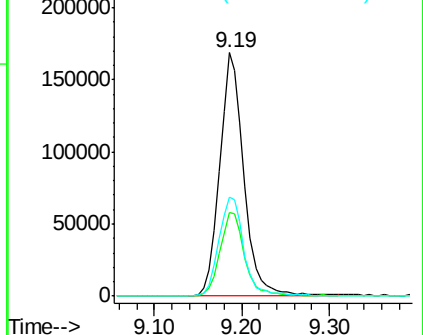


#23
Nitrobenzene-d5
Concen: 90.750 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035817.D
Acq: 21 Jul 2018 12:58

Tgt Ion: 82 Resp: 322107
Ion Ratio Lower Upper
82 100
128 34.3 29.7 44.5
54 40.4 43.1 64.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BG035817.D

Acq: 21 Jul 2018 12:58

Instrument :

BNA_G

ClientSampleId :

PB111321BL

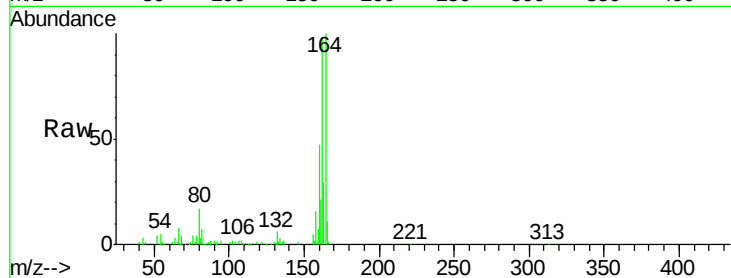
Tgt Ion:164 Resp: 106133

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

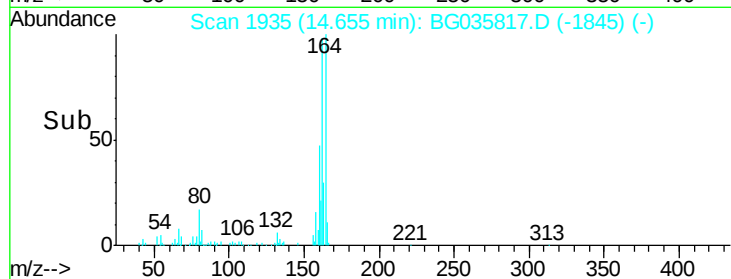
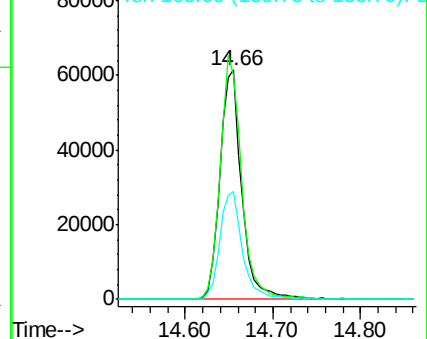
160 47.1 35.4 53.0



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: 155.483 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035817.D

Acq: 21 Jul 2018 12:58

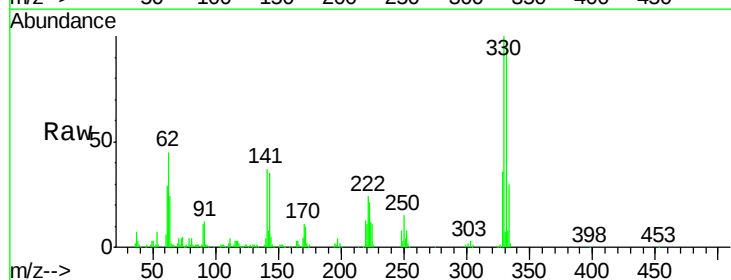
Tgt Ion:330 Resp: 217505

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

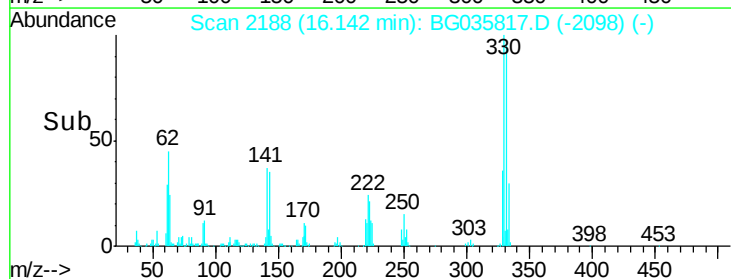
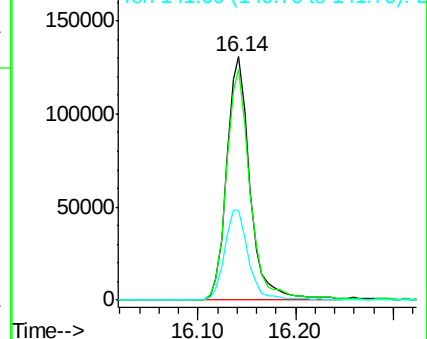
141 37.5 25.2 37.8

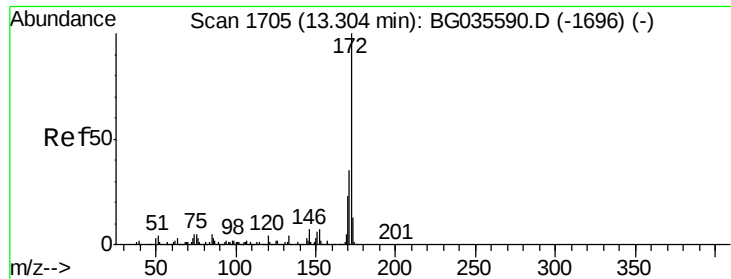


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

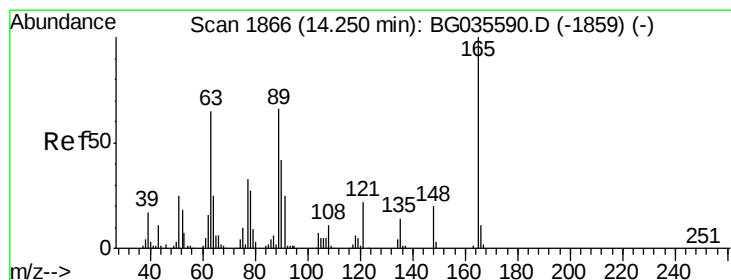
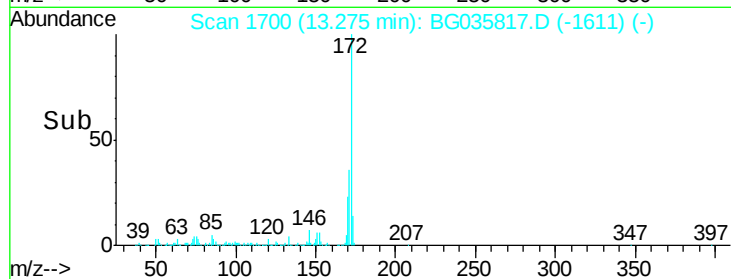
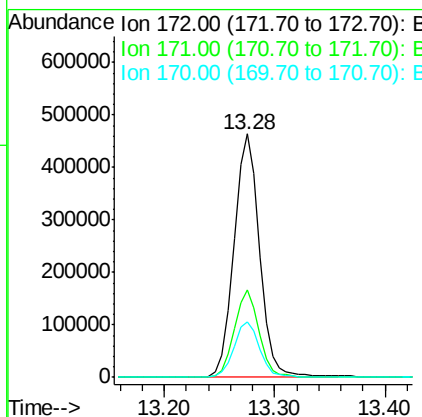
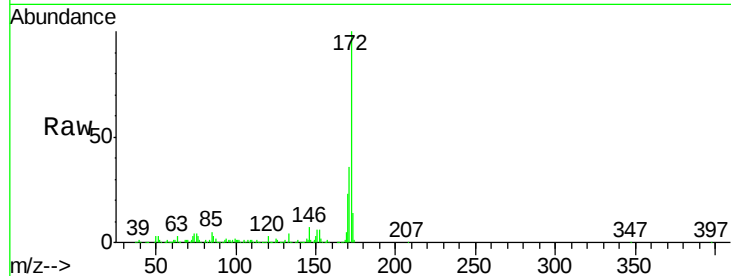




#44
 2-Fluorobiphenyl
 Concen: 95.298 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035817.D
 Acq: 21 Jul 2018 12:58

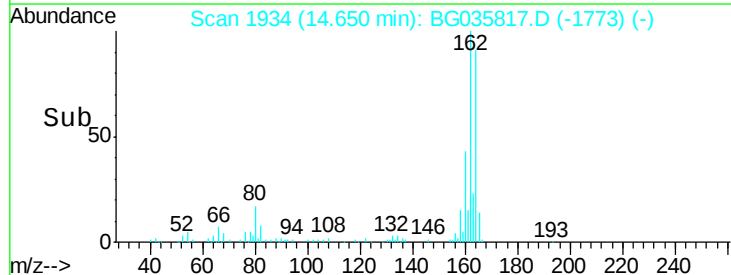
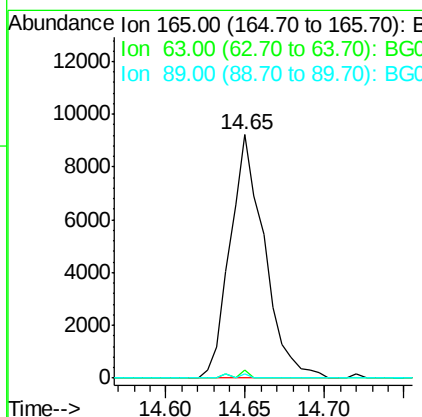
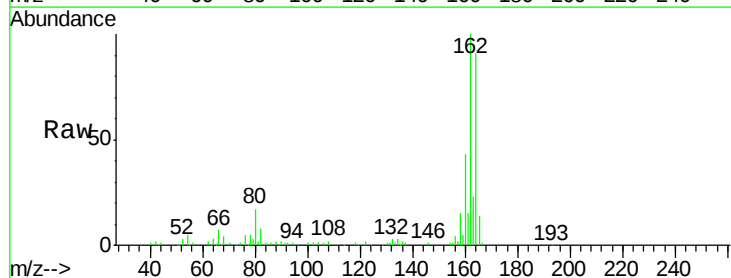
Instrument :
 BNA_G
 ClientSampleId :
 PB111321BL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	22.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.314 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035817.D
 Acq: 21 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.3	52.7	79.1#
89	1.8	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 5.098 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG035817.D

Acq: 21 Jul 2018 12:58

Instrument :

BNA_G

ClientSampleId :

PB111321BL

Tgt Ion:165 Resp: 13849

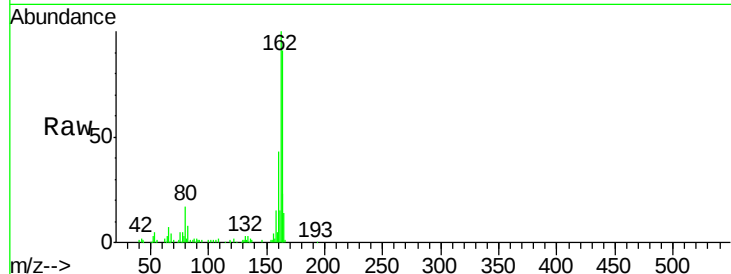
Ion Ratio Lower Upper

165 100

63 3.3 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

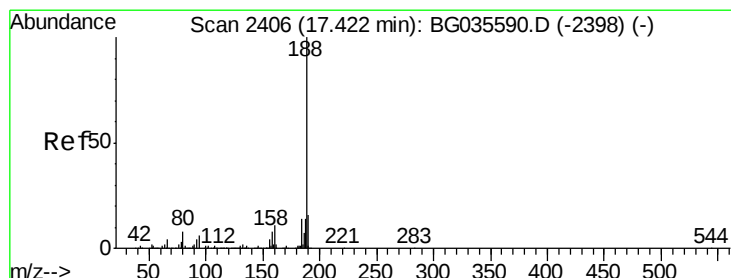
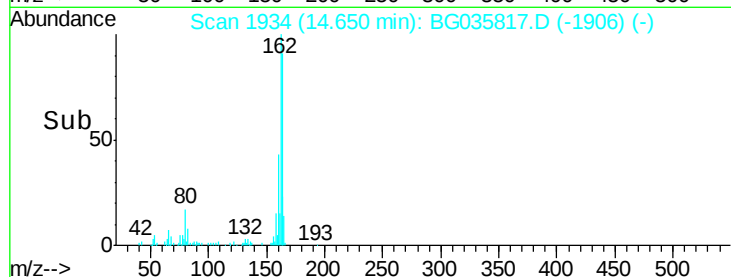
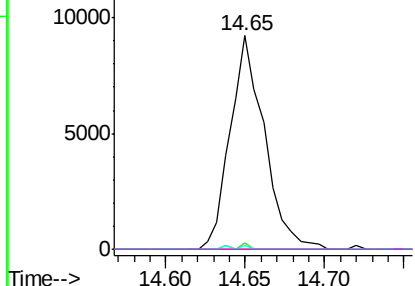


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035817.D

Acq: 21 Jul 2018 12:58

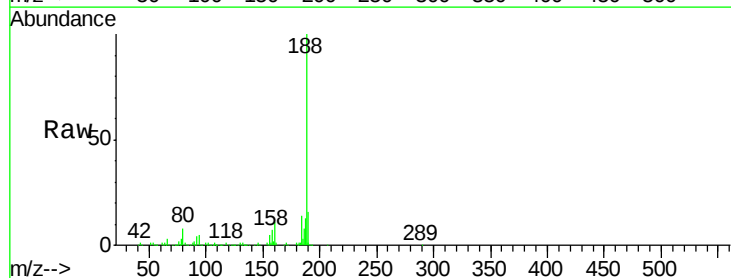
Tgt Ion:188 Resp: 306885

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

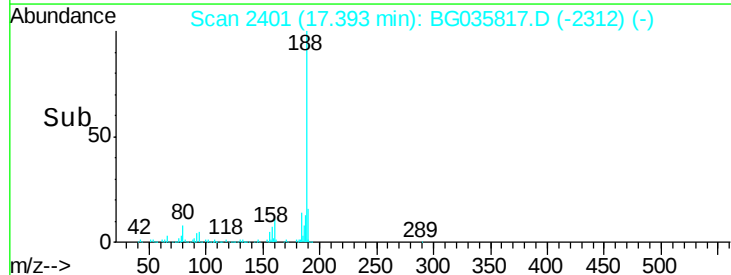
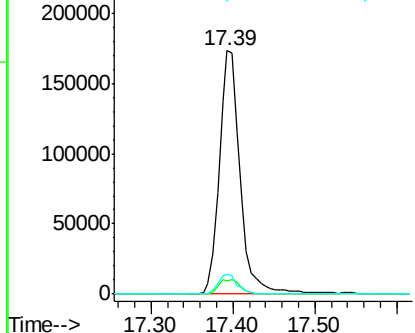
80 8.1 7.7 11.5

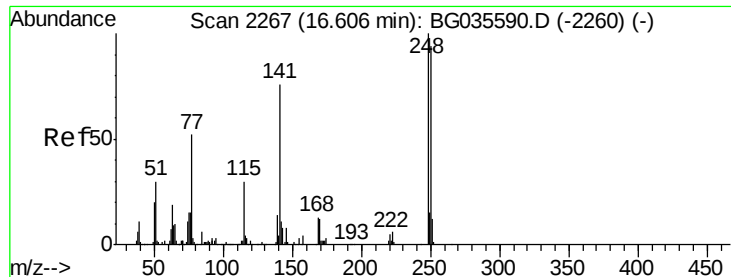


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

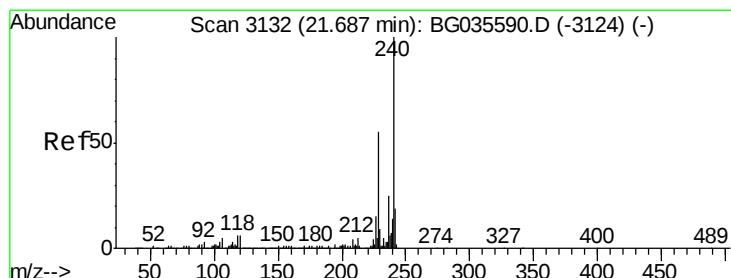
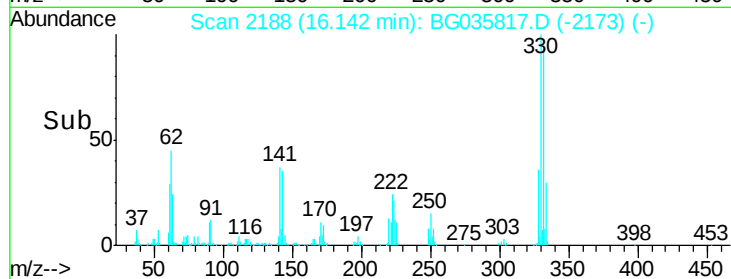
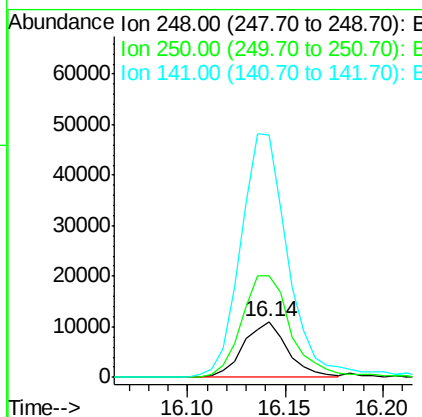
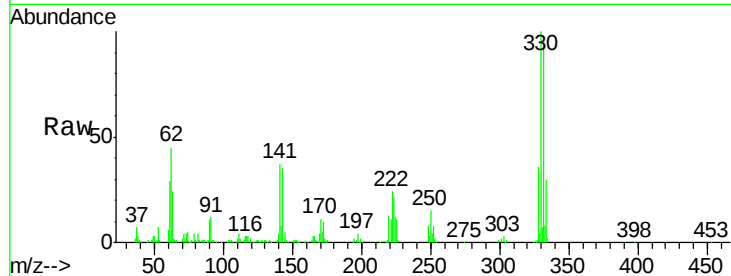




#66
 4-Bromophenyl-phenylether
 Concen: 4.835 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.44 min
 Lab File: BG035817.D
 Acq: 21 Jul 2018 12:58

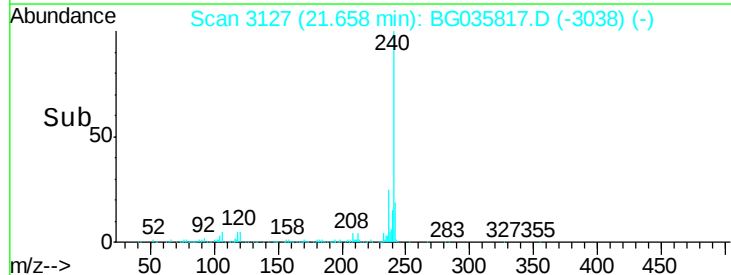
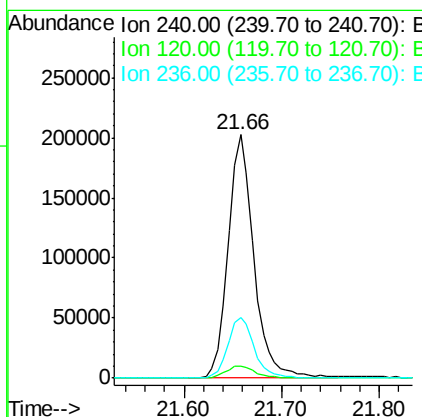
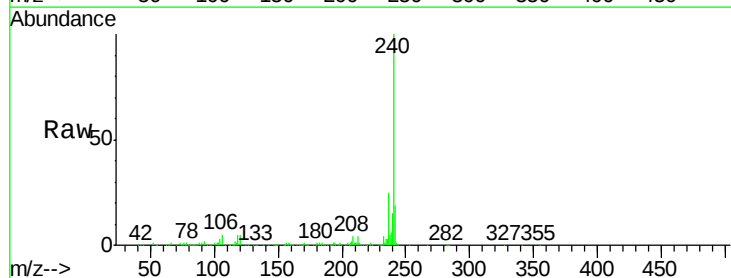
Instrument :
 BNA_G
 ClientSampleId :
 PB111321BL

Tgt Ion:248 Resp: 17213
 Ion Ratio Lower Upper
 248 100
 250 182.7 77.1 115.7#
 141 434.0 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: BG035817.D
 Acq: 21 Jul 2018 12:58

Tgt Ion:240 Resp: 371667
 Ion Ratio Lower Upper
 240 100
 120 4.8 6.8 10.2#
 236 25.1 20.9 31.3





#76

Benzidine

Concen: 2.605 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035817.D

Acq: 21 Jul 2018 12:58

Instrument :

BNA_G

ClientSampleId :

PB111321BL

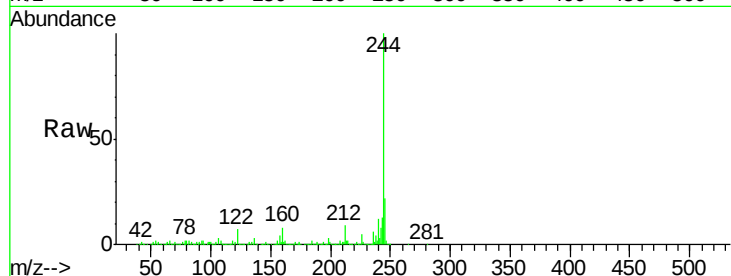
Tgt Ion:184 Resp: 25455

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7

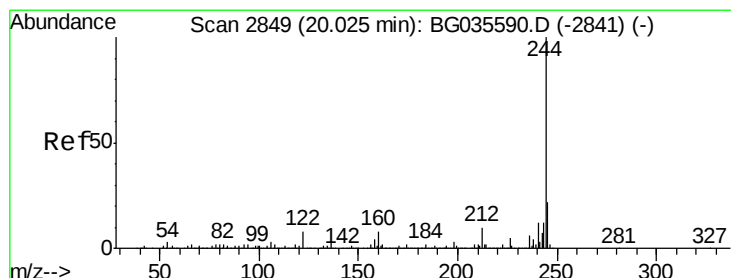
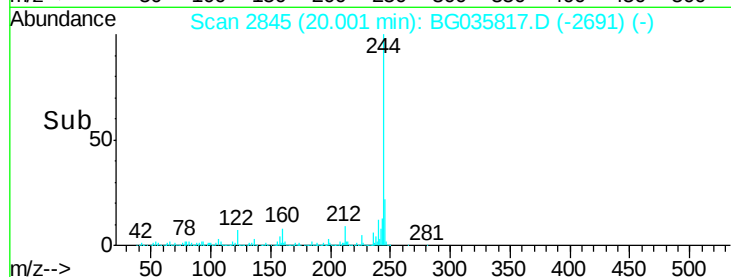
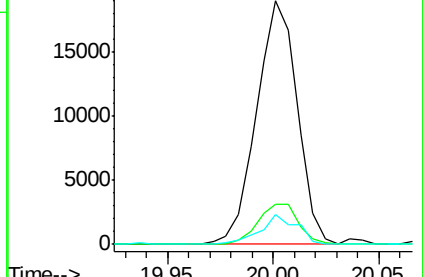
183 12.3 10.6 16.0



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: 94.305 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035817.D

Acq: 21 Jul 2018 12:58

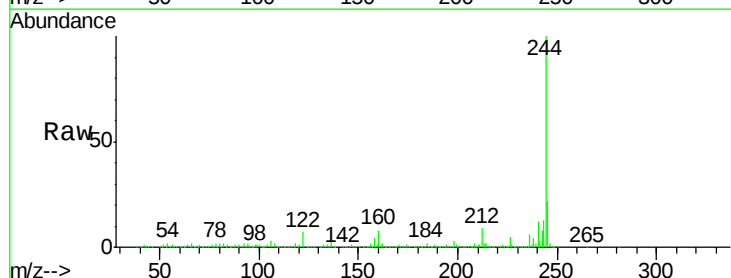
Tgt Ion:244 Resp: 1590068

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

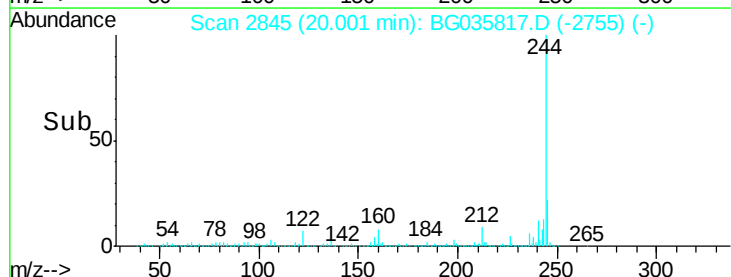
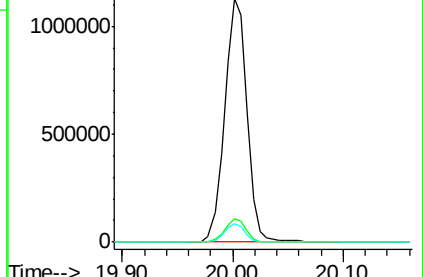
122 7.3 7.0 10.4

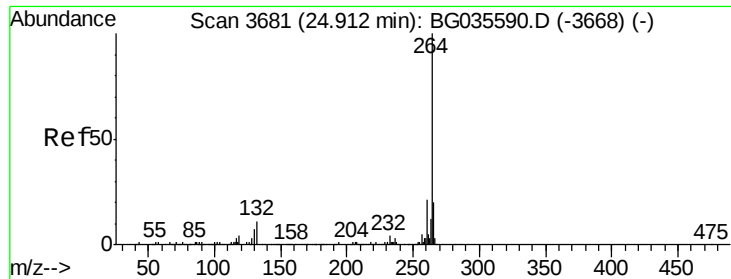


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

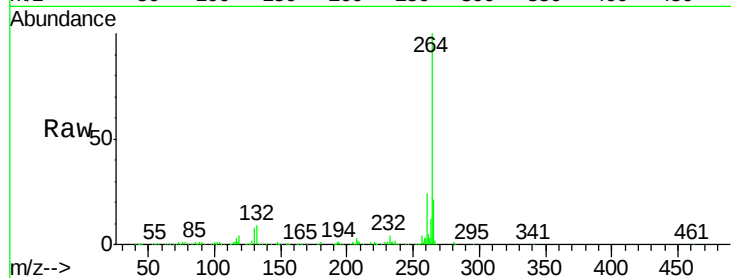




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3672
Delta R.T. 0.00 min
Lab File: BG035817.D
Acq: 21 Jul 2018 12:58

Instrument :
BNA_G
ClientSampleId :
PB111321BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	21.0	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

