

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072318\
 Data File : BG035824.D
 Acq On : 23 Jul 2018 12:43
 Operator : JU/SJ
 Sample : PB111306BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

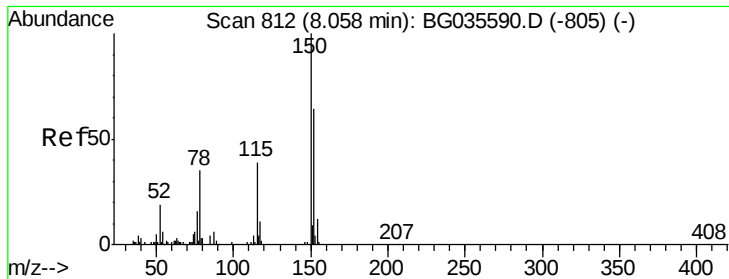
Instrument :
 BNA_G
 ClientSampleId :
 PB111306BL

Quant Time: Jul 23 13:45:15 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	34845	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	123859	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	88817	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	263531	20.00	ng	0.00
75) Chrysene-d12	21.66	240	319923	20.00	ng	0.00
86) Perylene-d12	24.86	264	287102	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	282840	134.76	ng	0.00
7) Phenol-d6	7.20	99	390559	124.72	ng	0.00
23) Nitrobenzene-d5	9.19	82	248216	83.72	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	170876	145.96	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	606157	91.43	ng	0.00
78) Terphenyl-d14	20.00	244	1318681	90.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	33071	12.542	ng	# 69
50) 2,6-Dinitrotoluene	14.65	165	12354	7.796	ng	# 18
53) 2,4-Dinitrophenol	14.58	184	55	6.644	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	12354	5.434	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	14324	4.685	ng	# 1
76) Benzidine	20.00	184	21795	2.591	ng	# 90

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

```
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Sample    : PB111306BL  
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ALS Vial  : 5      Sample Multiplier: 1
```

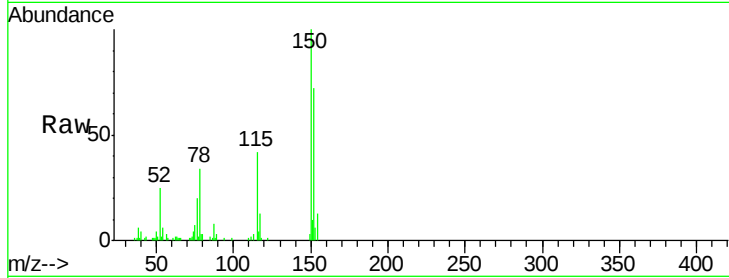


#1

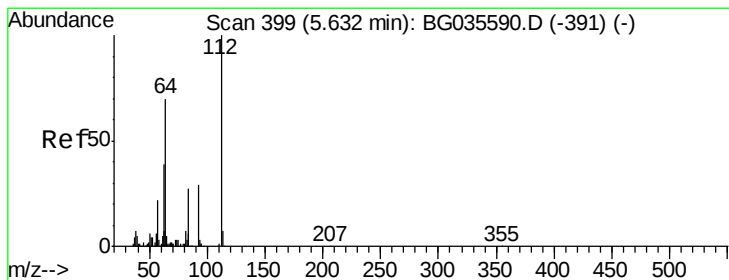
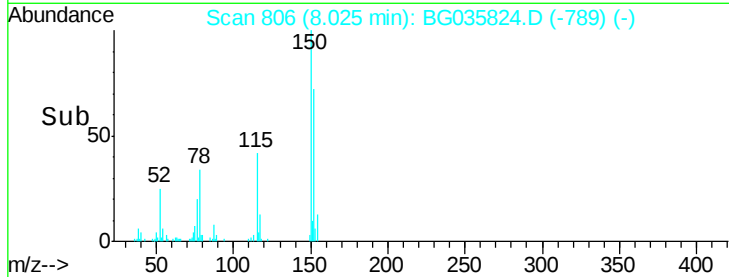
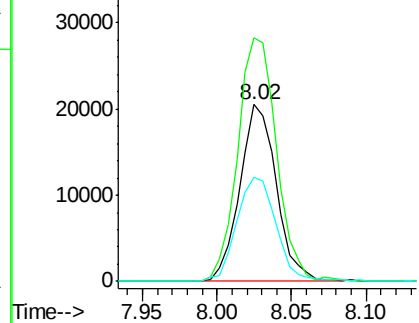
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035824.D
Acq: 23 Jul 2018 12:43

Instrument :
BNA_G
ClientSampleId :
PB111306BL

Tgt Ion:152 Resp: 34845
Ion Ratio Lower Upper
152 100
150 138.0 126.6 189.8
115 58.6 53.0 79.4



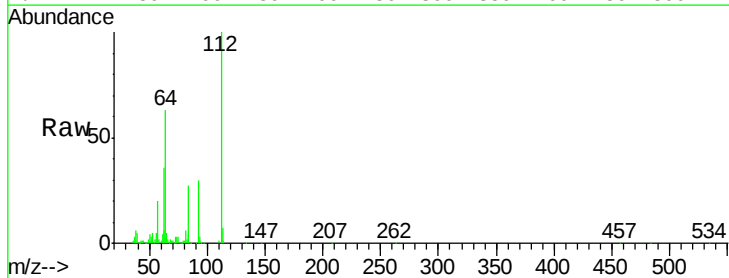
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



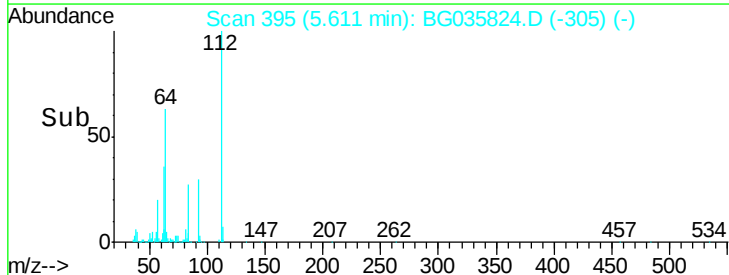
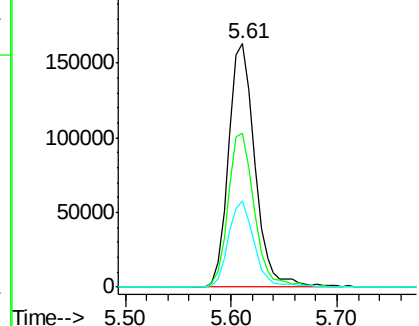
#5

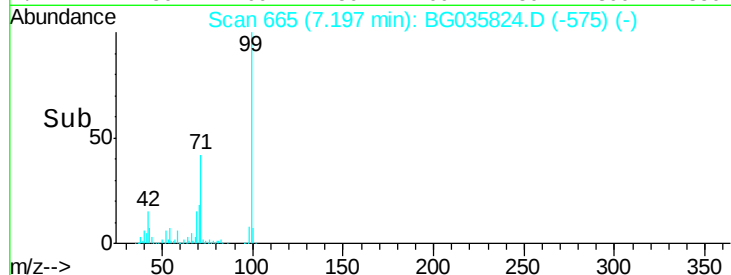
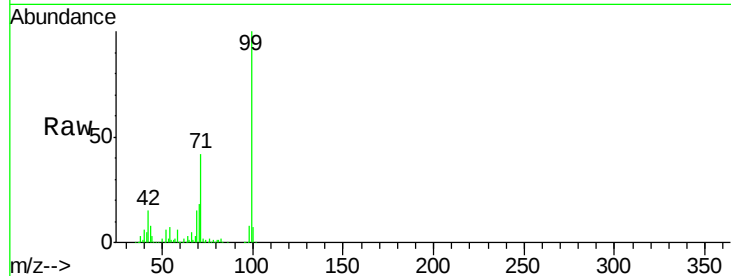
2-Fluorophenol
Concen: 134.763 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG035824.D
Acq: 23 Jul 2018 12:43

Tgt Ion:112 Resp: 282840
Ion Ratio Lower Upper
112 100
64 63.1 56.3 84.5
63 35.6 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: 124.724 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

Instrument :

BNA_G

ClientSampleId :

PB111306BL

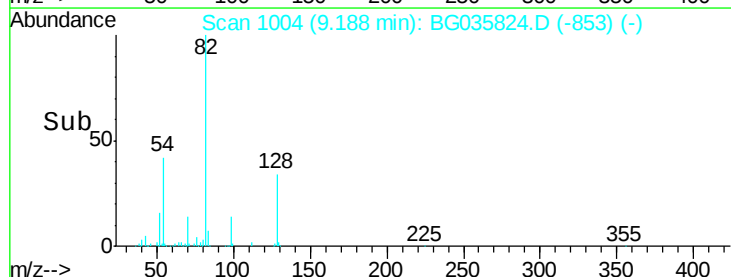
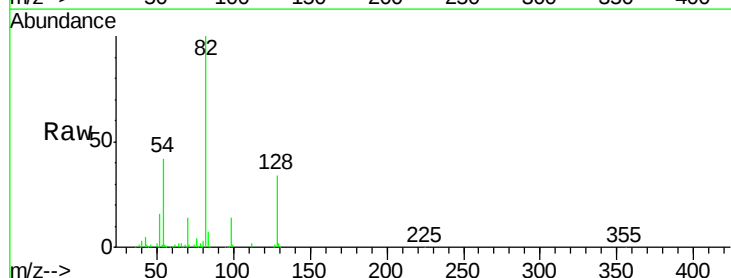
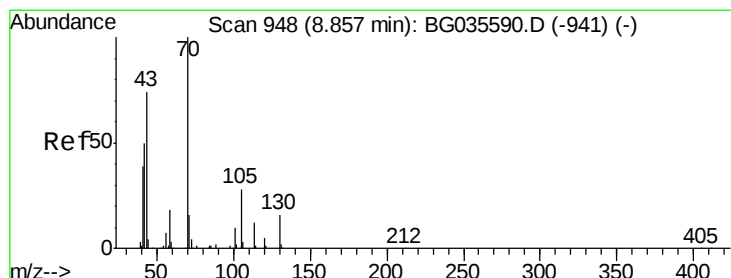
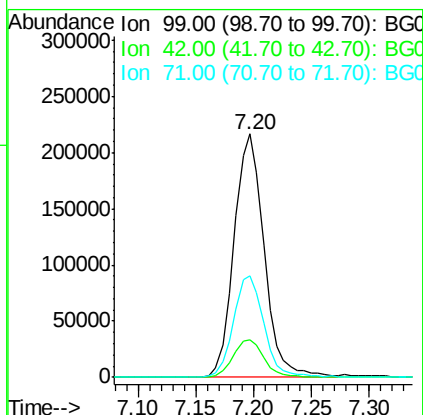
Tgt Ion: 99 Resp: 390559

Ion Ratio Lower Upper

99 100

42 15.2 14.1 21.1

71 41.9 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 12.542 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

Tgt Ion: 70 Resp: 33071

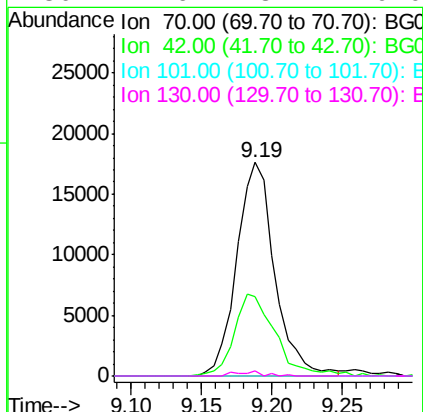
Ion Ratio Lower Upper

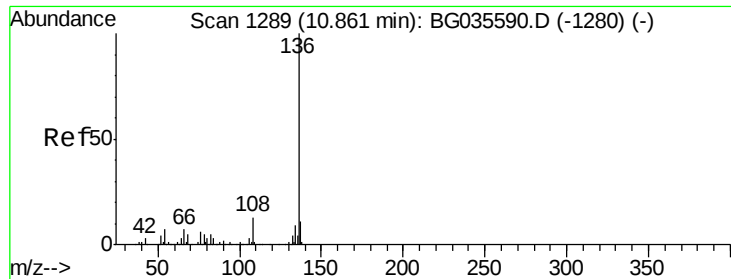
70 100

42 37.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#

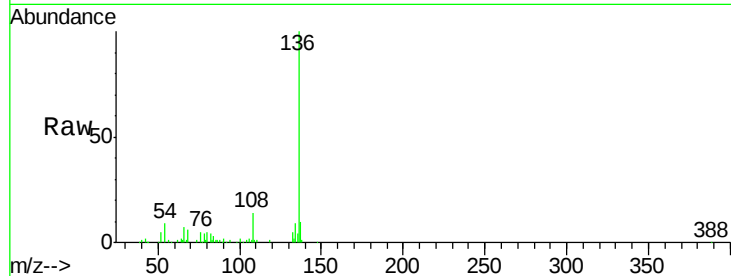




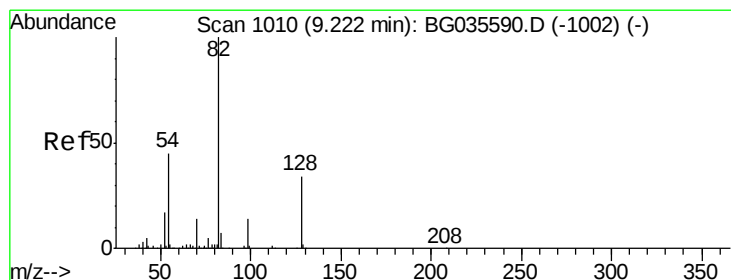
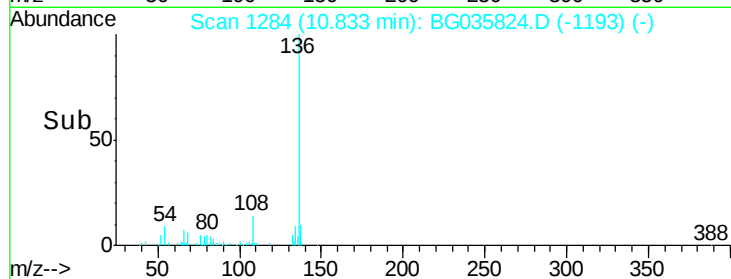
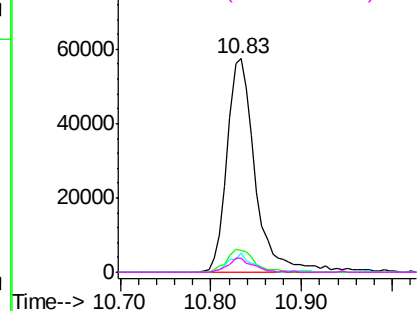
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035824.D
Acq: 23 Jul 2018 12:43

Instrument :
BNA_G
ClientSampleId :
PB111306BL

Tgt Ion:	136	Resp:	123859
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	8.8	10.3	15.5#
68	6.5	4.5	6.7

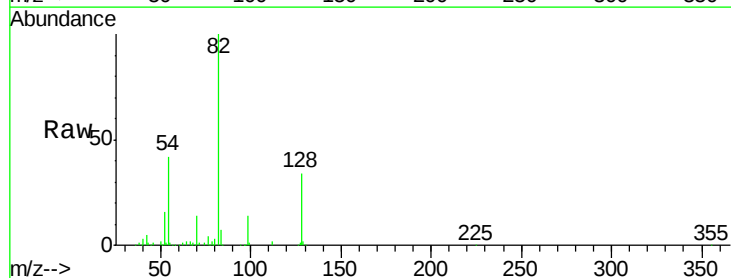


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

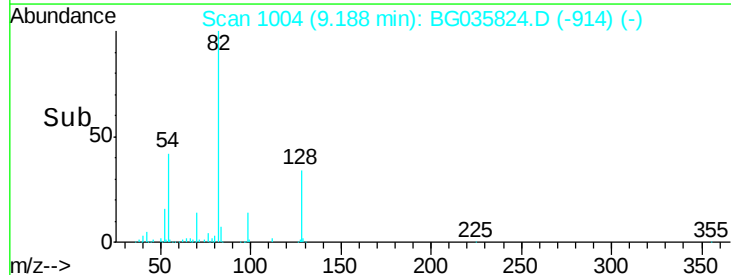
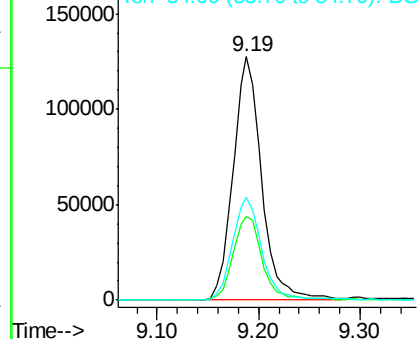


#23
Nitrobenzene-d5
Concen: 83.717 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035824.D
Acq: 23 Jul 2018 12:43

Tgt Ion:	82	Resp:	248216
Ion	Ratio	Lower	Upper
82	100		
128	34.3	29.7	44.5
54	42.0	43.1	64.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

Instrument :

BNA_G

ClientSampleId :

PB111306BL

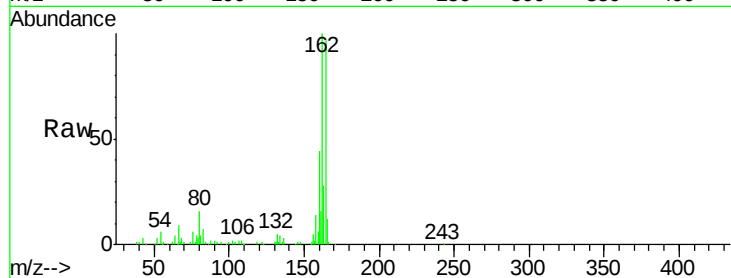
Tgt Ion:164 Resp: 88817

Ion Ratio Lower Upper

164 100

162 103.5 78.8 118.2

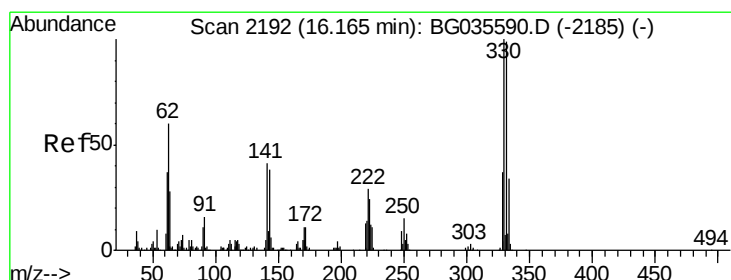
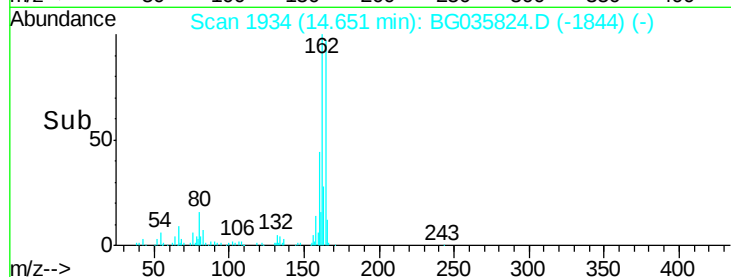
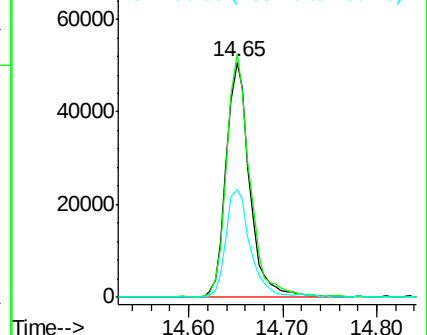
160 46.0 35.4 53.0



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: 145.965 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

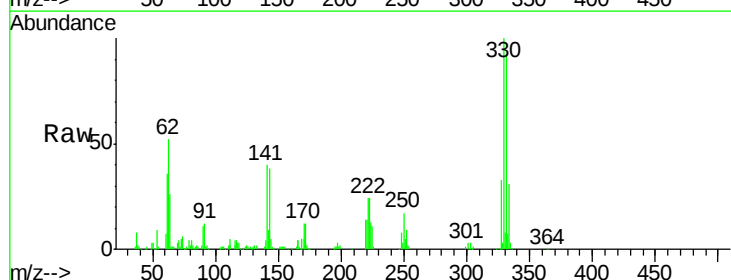
Tgt Ion:330 Resp: 170876

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

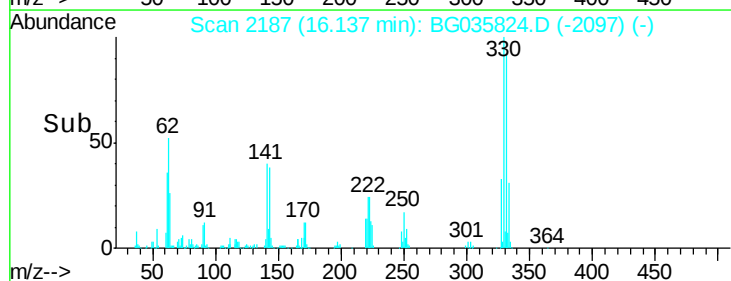
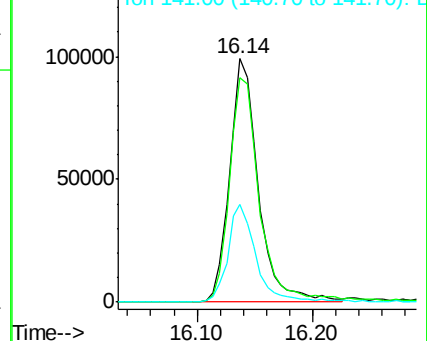
141 38.3 25.2 37.8#

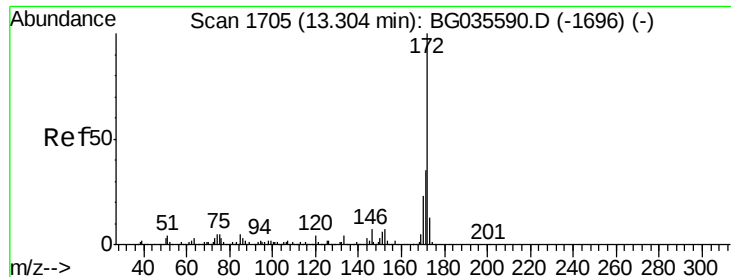


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

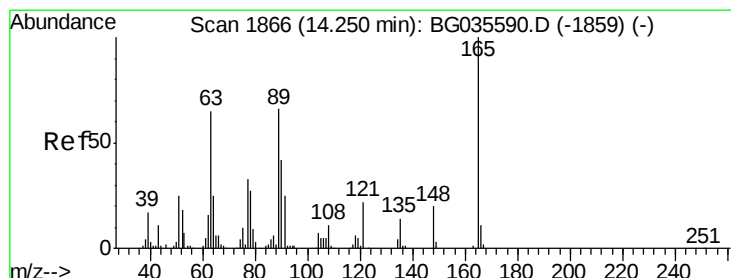
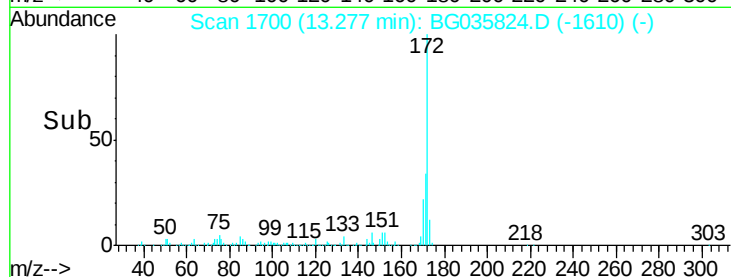
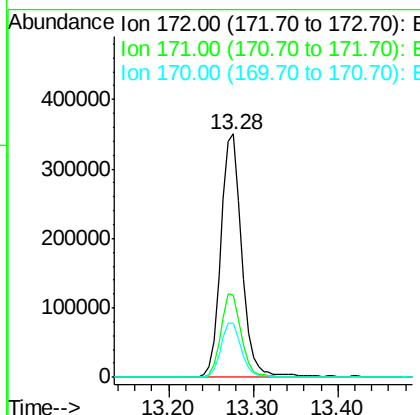
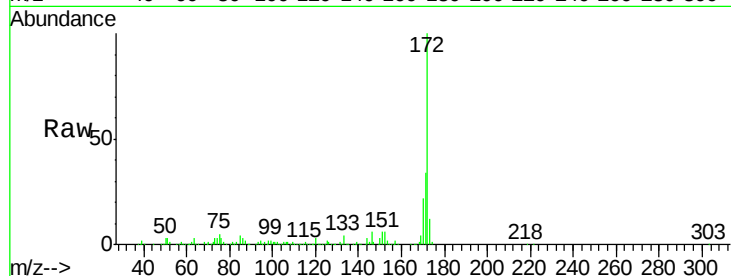




#44
 2-Fluorobiphenyl
 Concen: 91.434 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035824.D
 Acq: 23 Jul 2018 12:43

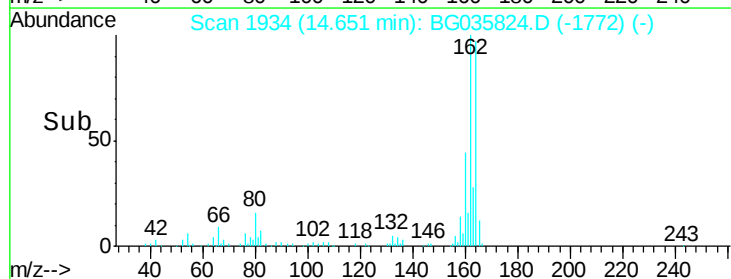
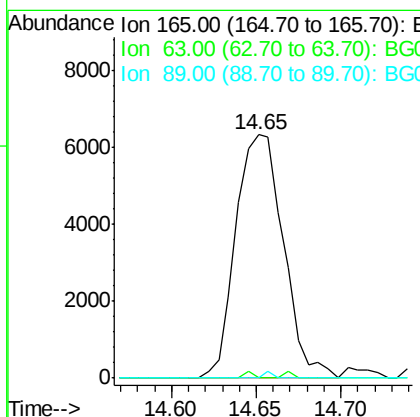
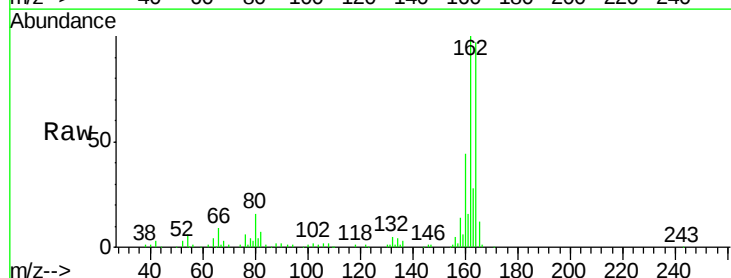
Instrument :
 BNA_G
 ClientSampleId :
 PB111306BL

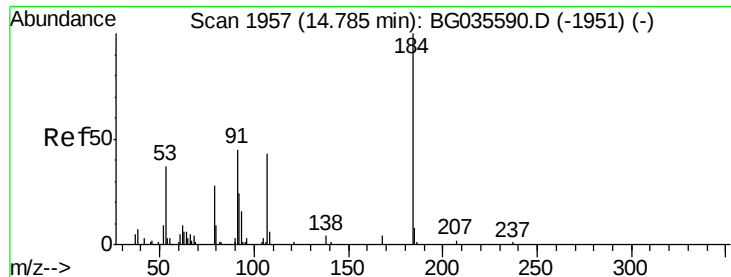
Tgt Ion:	172	Resp:	606157
Ion	Ratio	Lower	Upper
172	100		
171	33.6	30.0	45.0
170	22.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.796 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035824.D
 Acq: 23 Jul 2018 12:43

Tgt Ion:	165	Resp:	12354
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

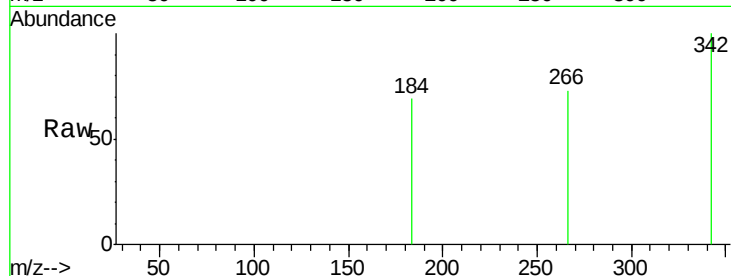




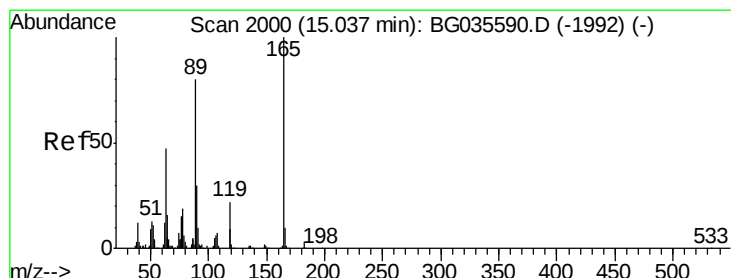
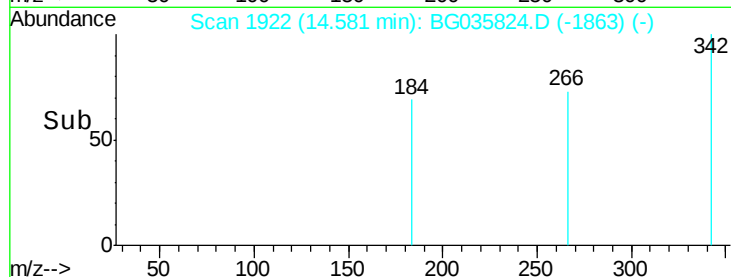
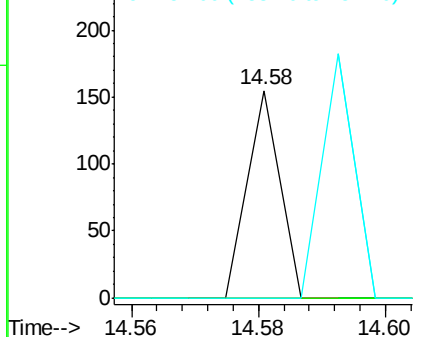
#53
2,4-Dinitrophenol
Concen: 6.644 ng
RT: 14.58 min Scan# 1922
Delta R.T. -0.19 min
Lab File: BG035824.D
Acq: 23 Jul 2018 12:43

Instrument :
BNA_G
ClientSampleId :
PB111306BL

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

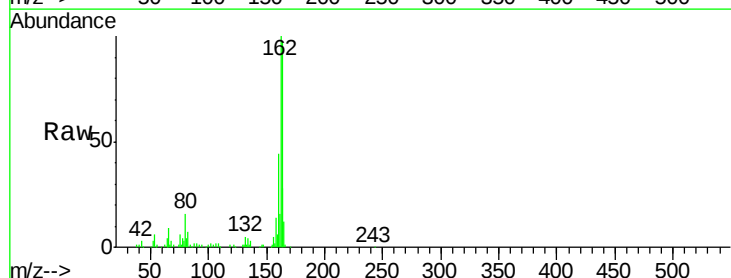


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

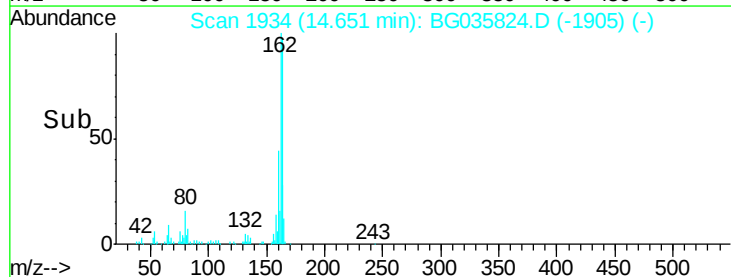
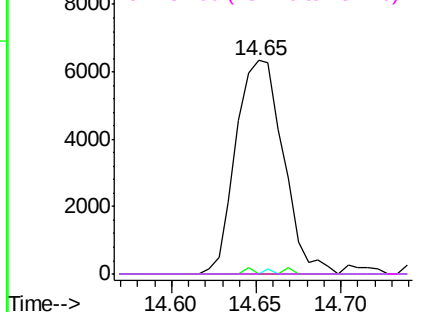


#56
2,4-Dinitrotoluene
Concen: 5.434 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.36 min
Lab File: BG035824.D
Acq: 23 Jul 2018 12:43

Tgt Ion:165 Resp: 12354
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: BG035824.D

Acq: 23 Jul 2018 12:43

Instrument :

BNA_G

ClientSampleId :

PB111306BL

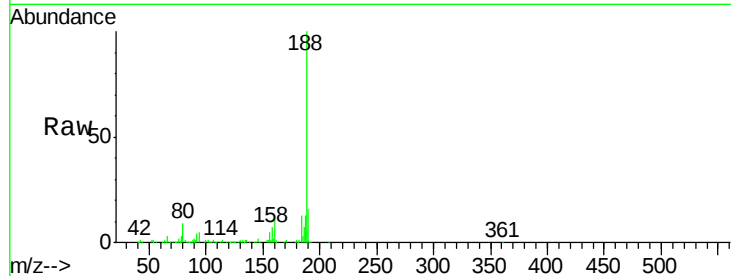
Tgt Ion:188 Resp: 263531

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

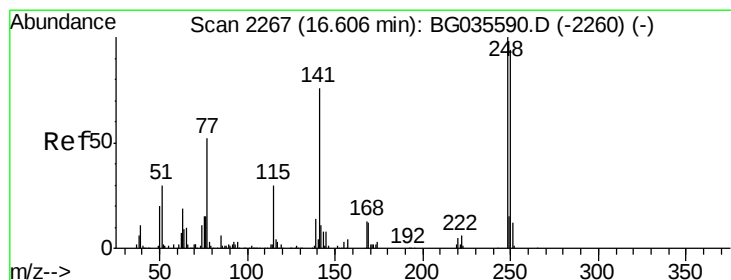
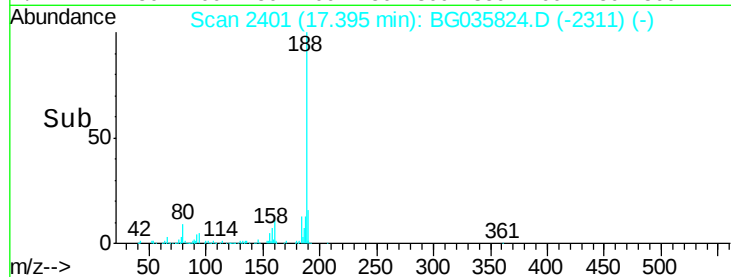
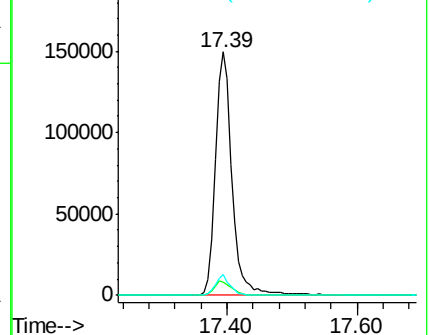
80 8.8 7.7 11.5



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: 4.685 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.44 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

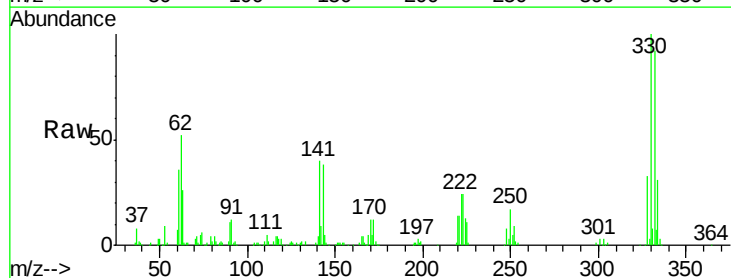
Tgt Ion:248 Resp: 14324

Ion Ratio Lower Upper

248 100

250 212.2 77.1 115.7#

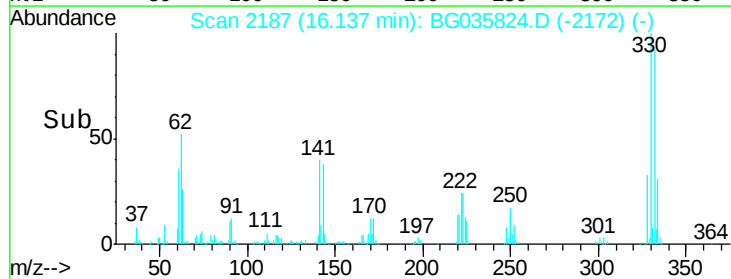
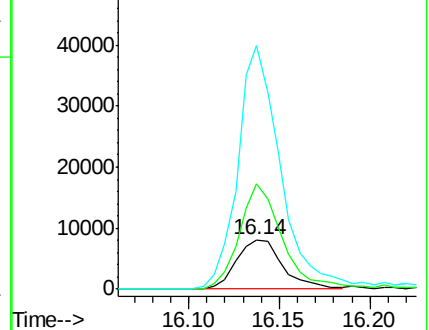
141 490.2 50.8 76.2#

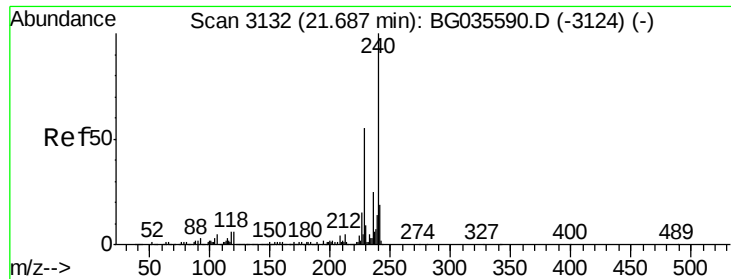


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

Instrument :

BNA_G

ClientSampleId :

PB111306BL

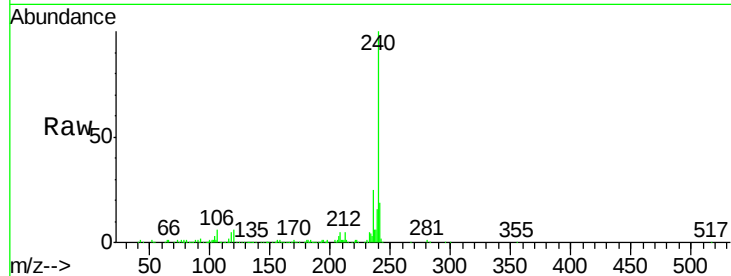
Tgt Ion:240 Resp: 319923

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

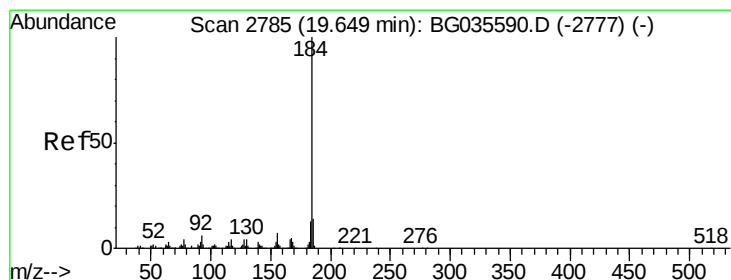
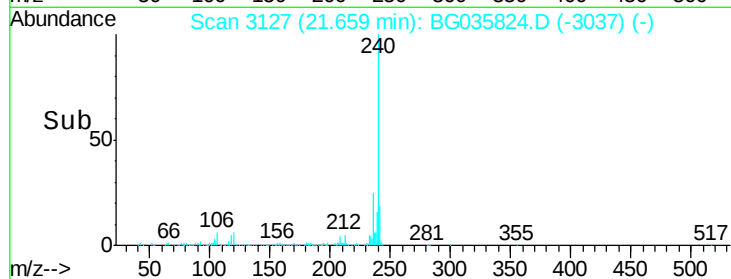
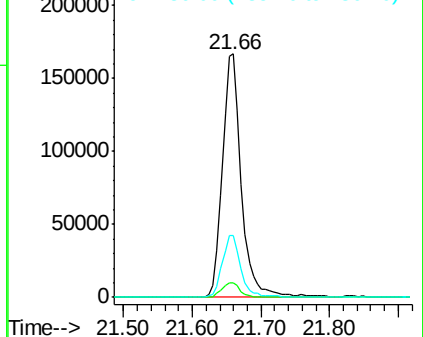
236 25.5 20.9 31.3



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: 2.591 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

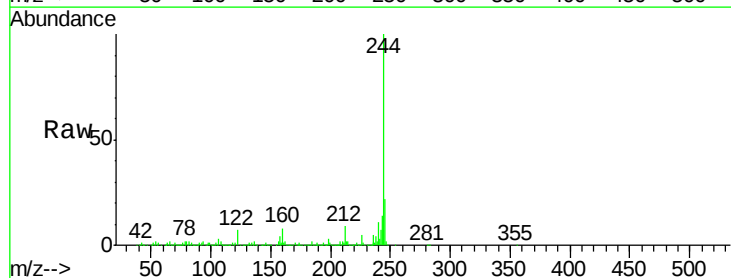
Tgt Ion:184 Resp: 21795

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

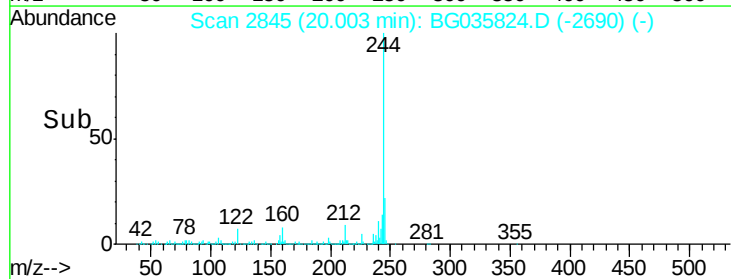
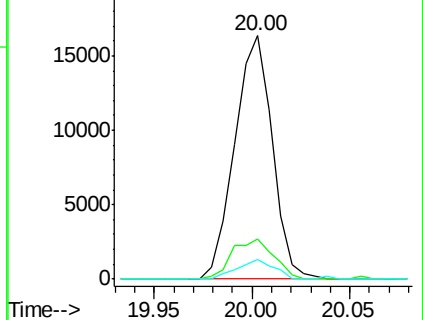
183 7.8 10.6 16.0#

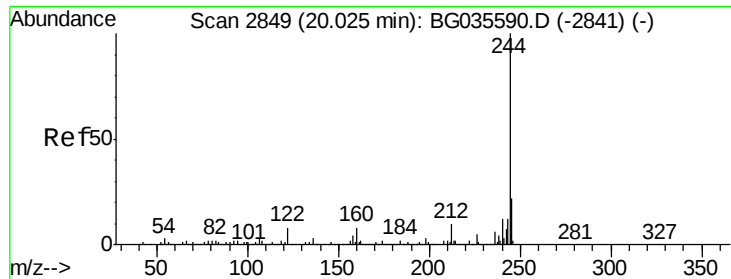


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.858 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

Instrument :

BNA_G

ClientSampleId :

PB111306BL

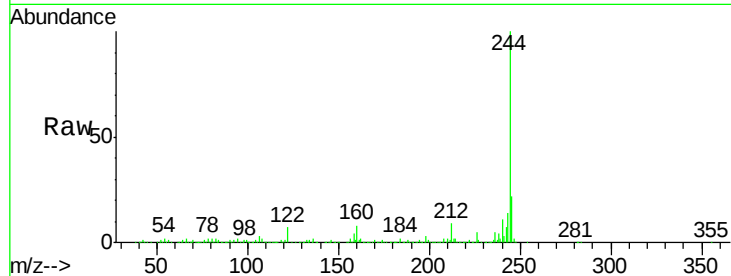
Tgt Ion:244 Resp: 1318681

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

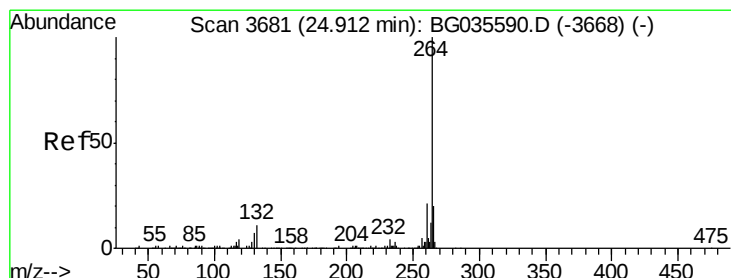
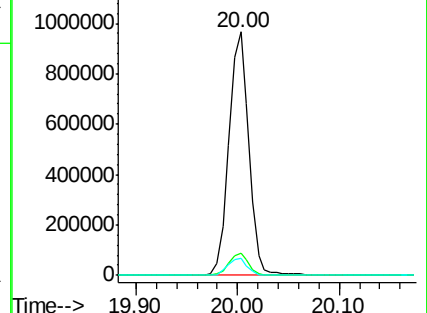
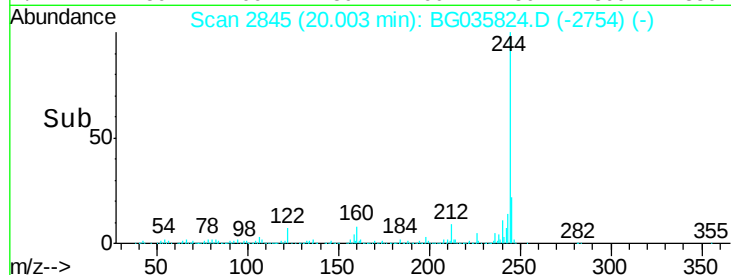
122 6.9 7.0 10.4#



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# 3671

Delta R.T. -0.00 min

Lab File: BG035824.D

Acq: 23 Jul 2018 12:43

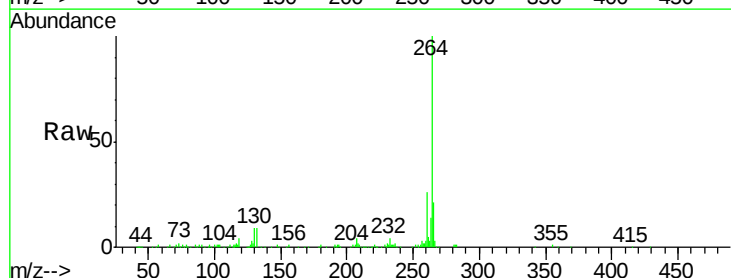
Tgt Ion:264 Resp: 287102

Ion Ratio Lower Upper

264 100

260 25.9 17.4 26.0

265 21.4 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

