

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035653.D
 Acq On : 14 Jul 2018 6:27
 Operator : JU/SJ
 Sample : J3959-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

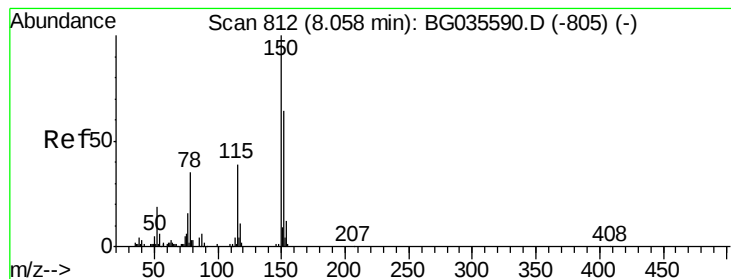
Instrument :
 BNA_G
 ClientSampleId :
 WC-20180712

Quant Time: Jul 16 00:56:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44979	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	175138	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	128828	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	361609	20.00	ng	0.00
75) Chrysene-d12	21.68	240	385587	20.00	ng	0.00
86) Perylene-d12	24.90	264	373469	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	316717	116.90	ng	0.00
7) Phenol-d6	7.22	99	438092	108.38	ng	0.00
23) Nitrobenzene-d5	9.22	82	345108	82.32	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	234570	138.14	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	749810	77.98	ng	0.00
78) Terphenyl-d14	20.02	244	1463223	83.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	47059	13.826	ng	# 73
50) 2,6-Dinitrotoluene	14.68	165	18219	7.926	ng	# 21
53) 2,4-Dinitrophenol	15.23	184	61	6.630	ng	# 1
56) 2,4-Dinitrotoluene	14.68	165	18219	5.525	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	20144	4.802	ng	# 1
76) Benzidine	20.02	184	27747	2.737	ng	# 90

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

```
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ALS Vial  : 28    Sample Multiplier: 1
```

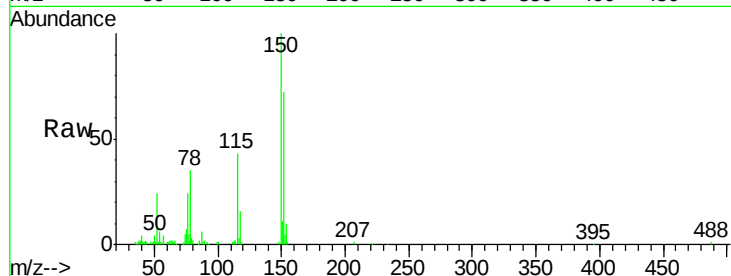


#1

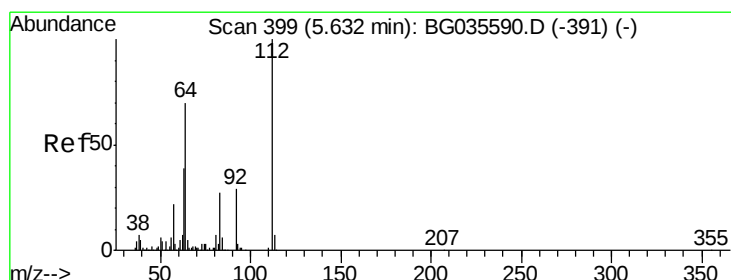
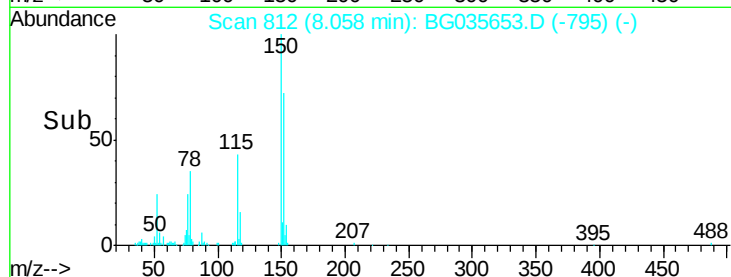
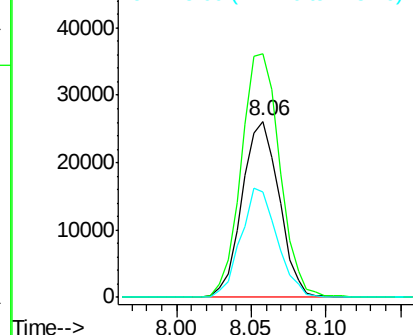
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

Instrument :
BNA_G
ClientSampleId :
WC-20180712

Tgt Ion:152 Resp: 44979
Ion Ratio Lower Upper
152 100
150 138.0 126.6 189.8
115 59.5 53.0 79.4



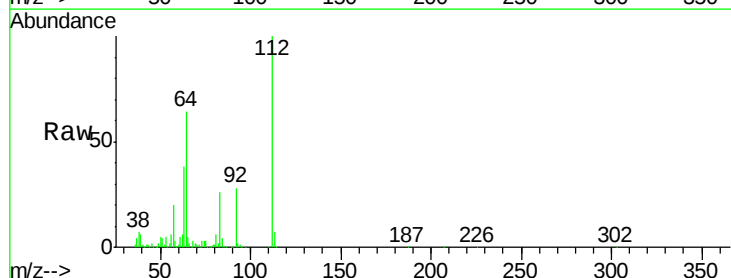
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



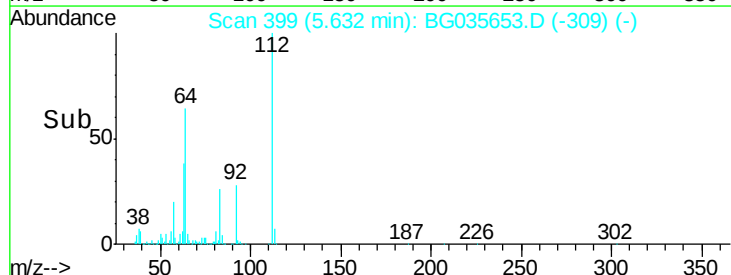
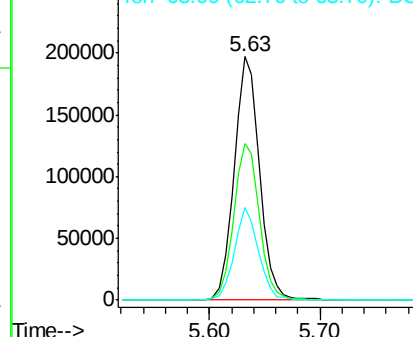
#5

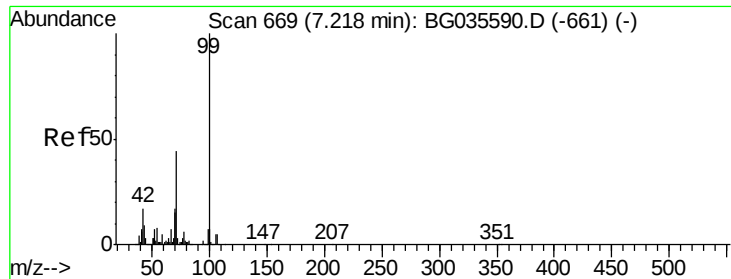
2-Fluorophenol
Concen: 116.904 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

Tgt Ion:112 Resp: 316717
Ion Ratio Lower Upper
112 100
64 64.1 56.3 84.5
63 37.8 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: 108.383 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035653.D

Acq: 14 Jul 2018 6:27

Instrument :

BNA_G

ClientSampleId :

WC-20180712

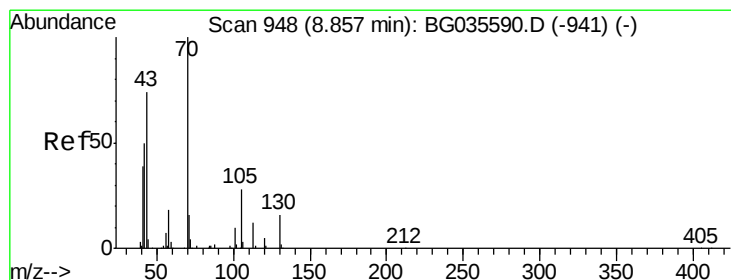
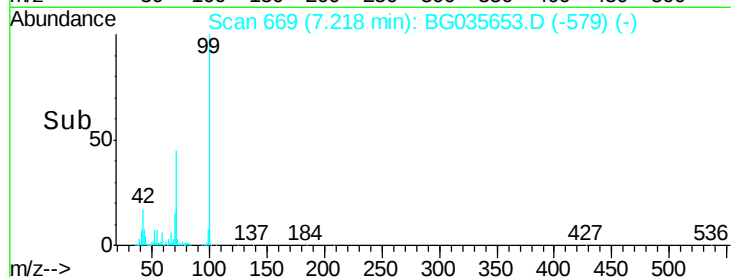
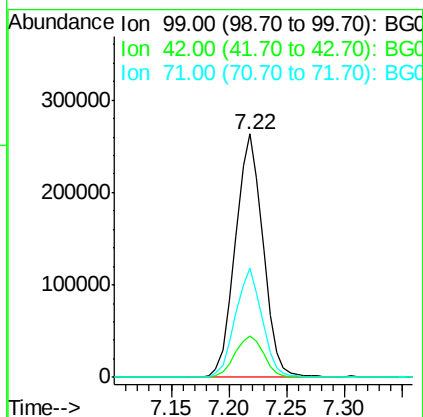
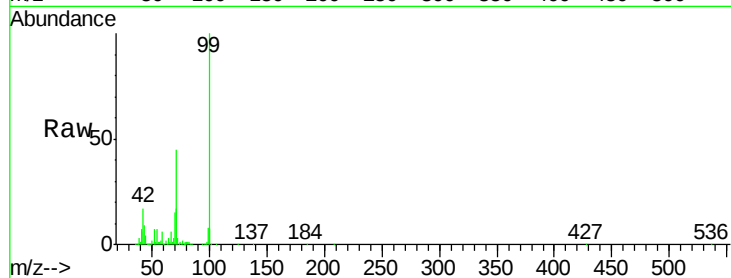
Tgt Ion: 99 Resp: 438092

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

71 44.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.826 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035653.D

Acq: 14 Jul 2018 6:27

Tgt Ion: 70 Resp: 47059

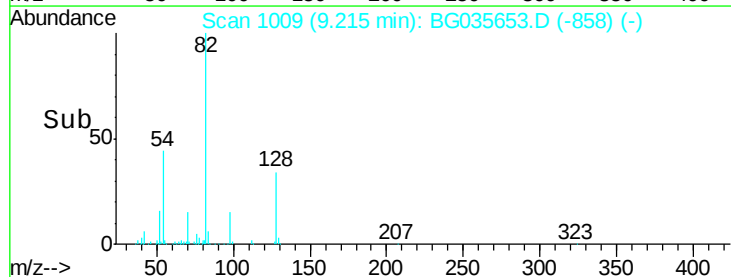
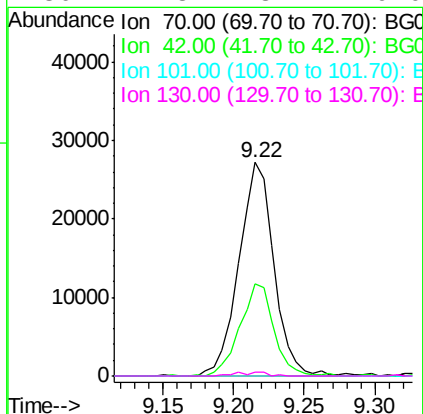
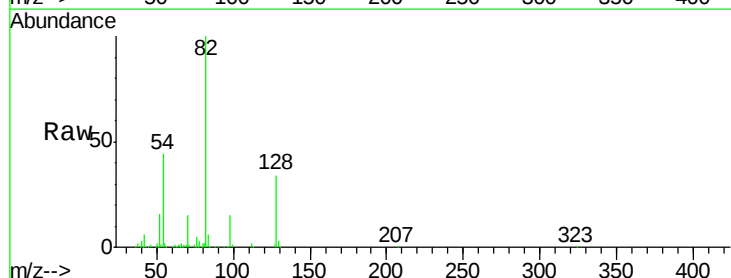
Ion Ratio Lower Upper

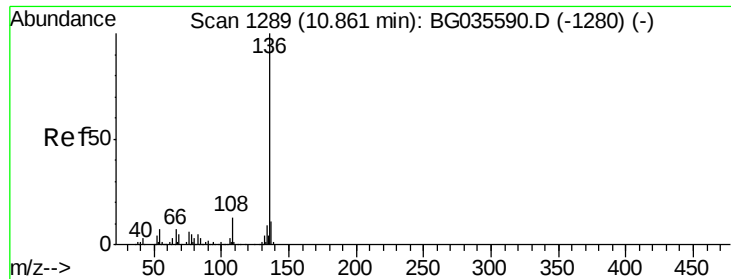
70 100

42 43.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

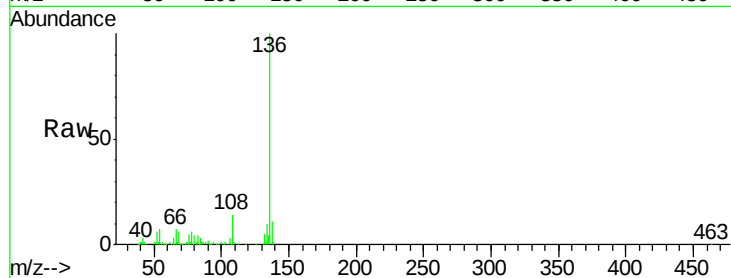




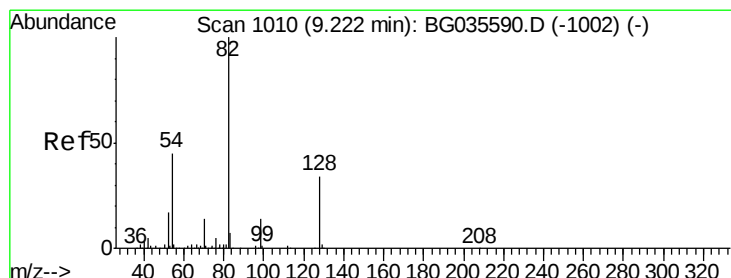
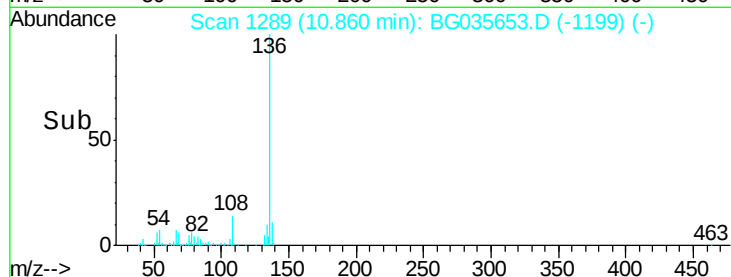
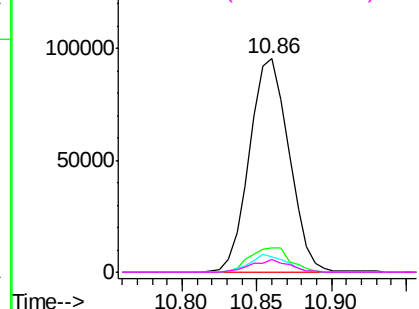
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

Instrument :
BNA_G
ClientSampleId :
WC-20180712

Tgt Ion:	136	Resp:	175138
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.2	10.3	15.5#
68	6.1	4.5	6.7

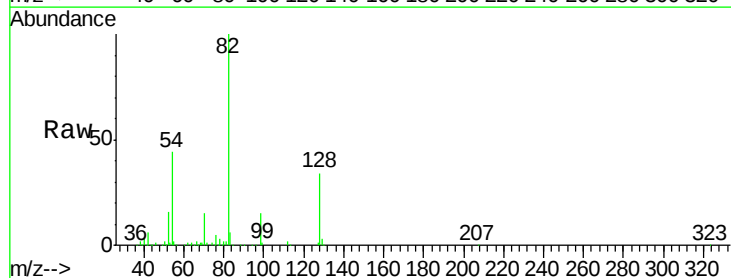


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

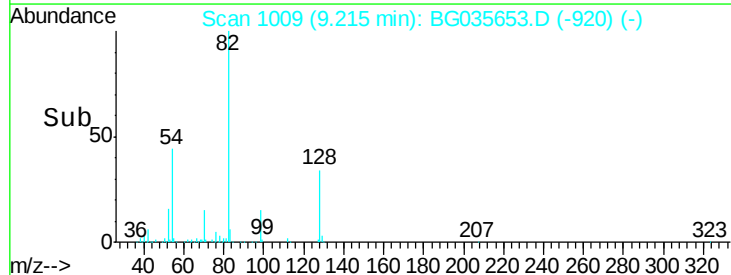
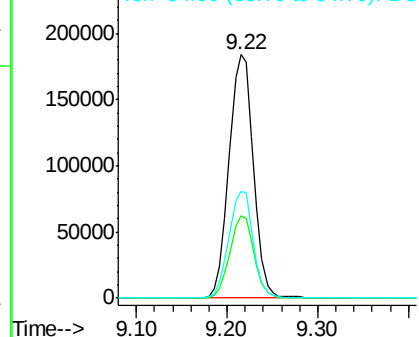


#23
Nitrobenzene-d5
Concen: 82.317 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

Tgt Ion:	82	Resp:	345108
Ion	Ratio	Lower	Upper
82	100		
128	34.1	29.7	44.5
54	43.8	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
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: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035653.D

Acq: 14 Jul 2018 6:27

Instrument :

BNA_G

ClientSampleId :

WC-20180712

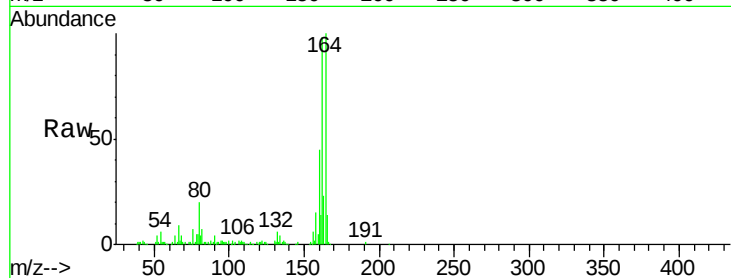
Tgt Ion:164 Resp: 128828

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

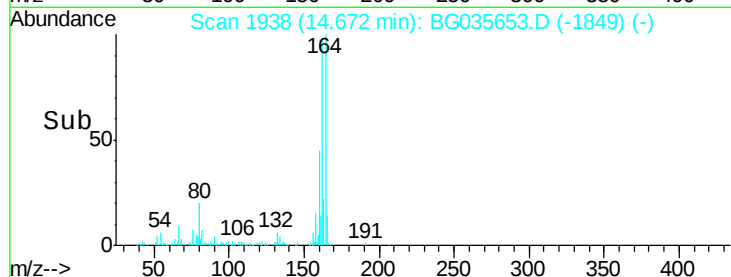
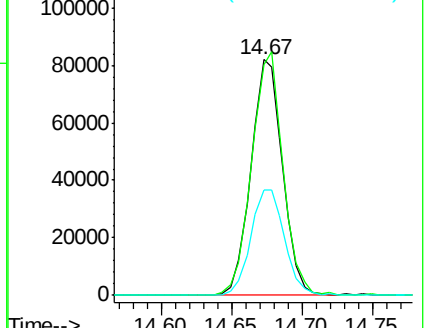
160 44.8 35.4 53.0



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: 138.142 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035653.D

Acq: 14 Jul 2018 6:27

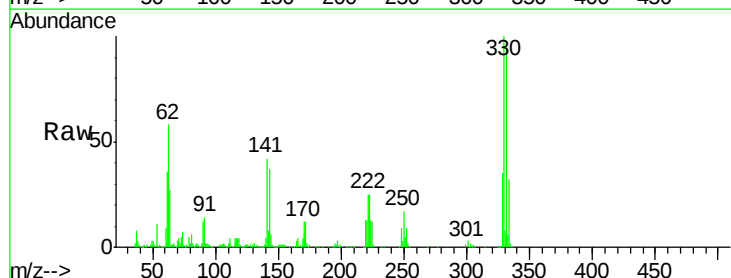
Tgt Ion:330 Resp: 234570

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

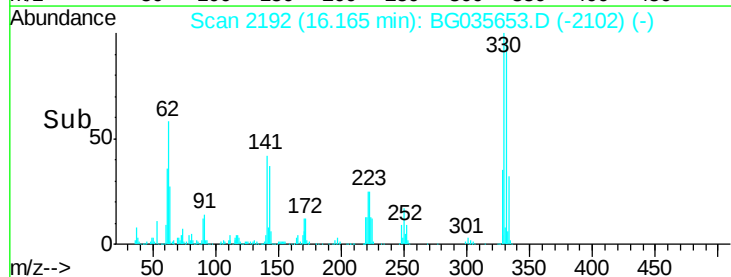
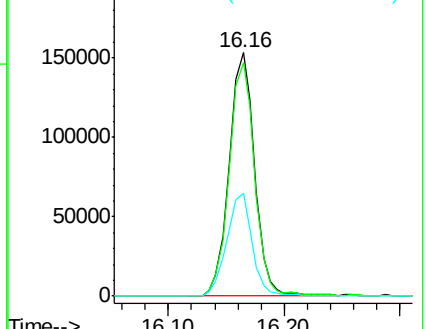
141 42.0 25.2 37.8#

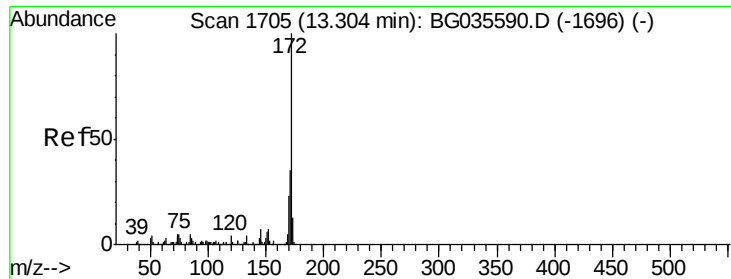


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

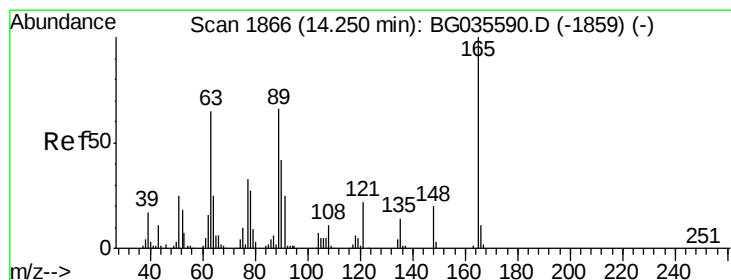
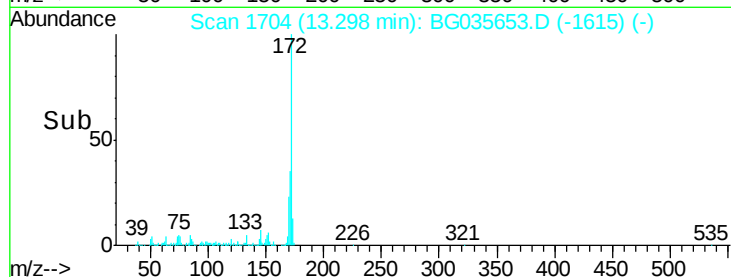
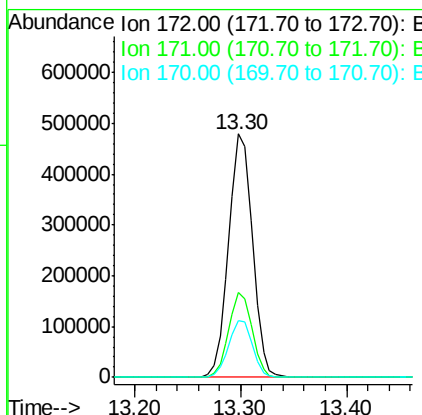
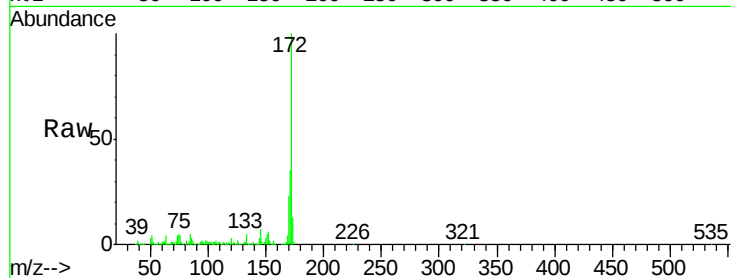




#44
 2-Fluorobiphenyl
 Concen: 77.976 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG035653.D
 Acq: 14 Jul 2018 6:27

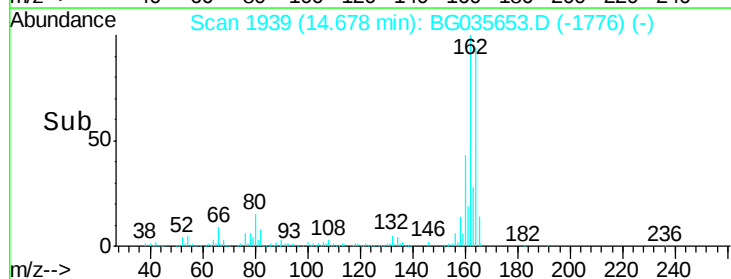
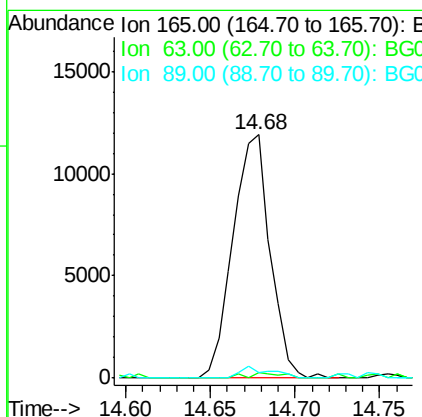
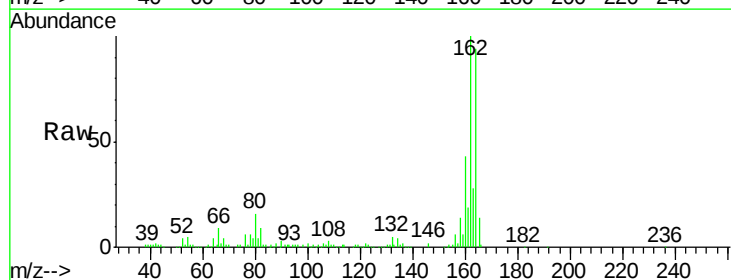
Instrument :
 BNA_G
 ClientSampleId :
 WC-20180712

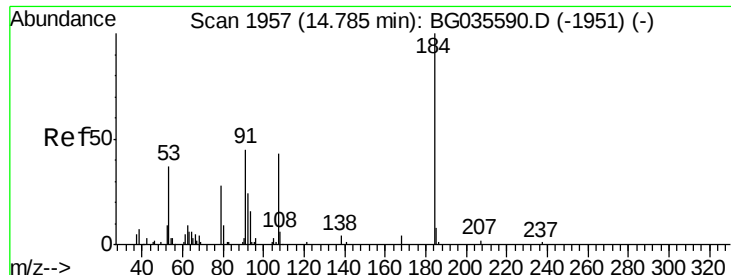
Tgt Ion:172 Resp: 749810
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.0 45.0
 170 23.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.926 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.43 min
 Lab File: BG035653.D
 Acq: 14 Jul 2018 6:27

Tgt Ion:165 Resp: 18219
 Ion Ratio Lower Upper
 165 100
 63 2.5 52.7 79.1#
 89 2.2 49.2 73.8#

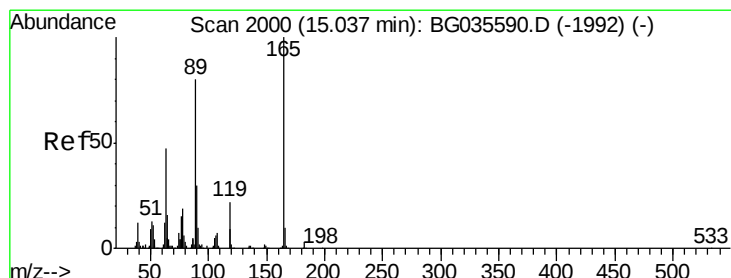
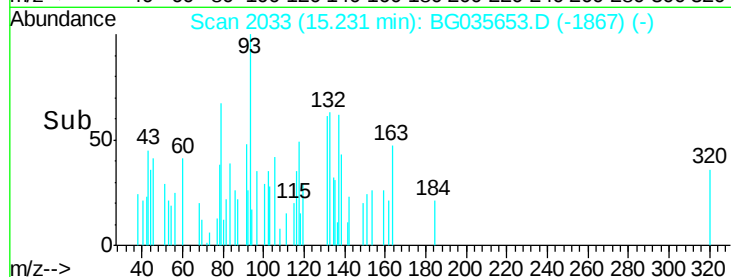
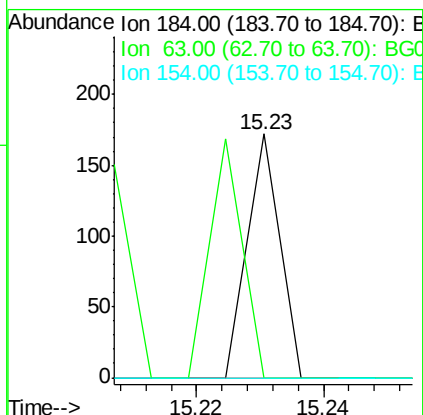
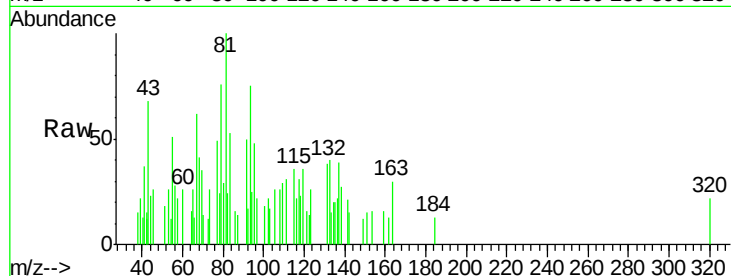




#53
2,4-Dinitrophenol
Concen: 6.630 ng
RT: 15.23 min Scan# 2033
Delta R.T. 0.45 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

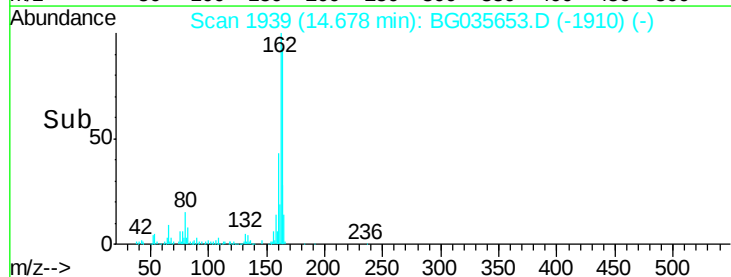
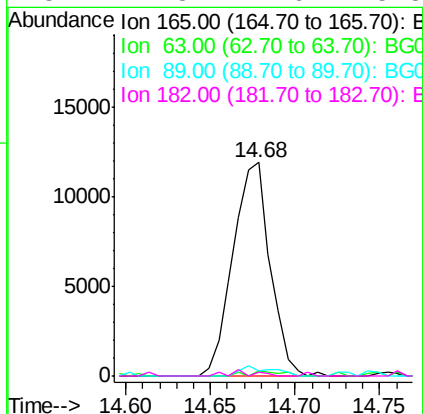
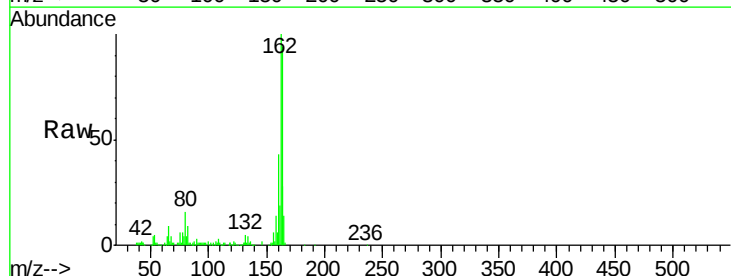
Instrument :
BNA_G
ClientSampleId :
WC-20180712

Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.525 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

Tgt Ion:165 Resp: 18219
Ion Ratio Lower Upper
165 100
63 2.5 42.0 63.0#
89 2.2 66.9 100.3#
182 1.8 2.6 3.8#

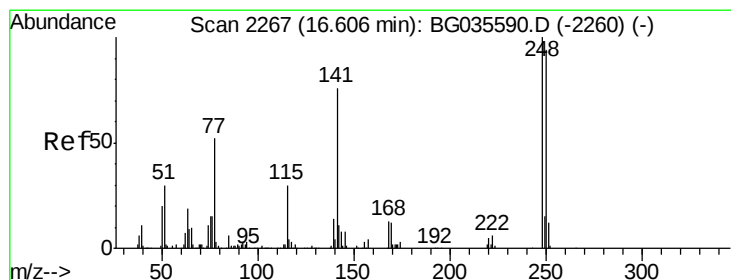
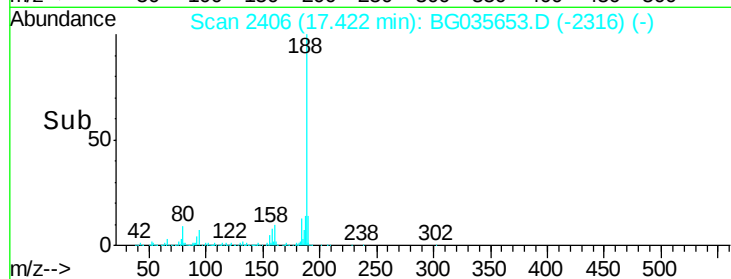
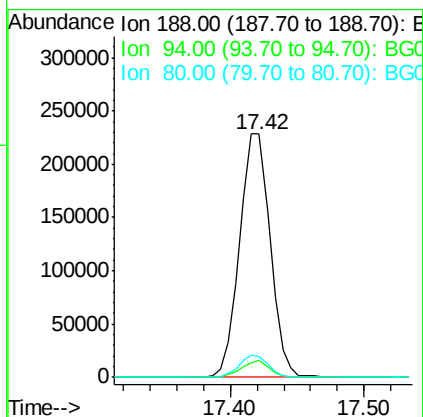
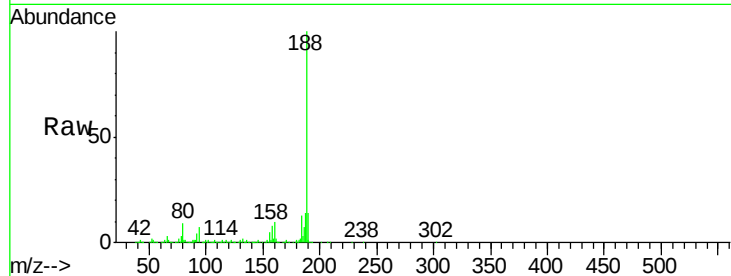




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.00 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

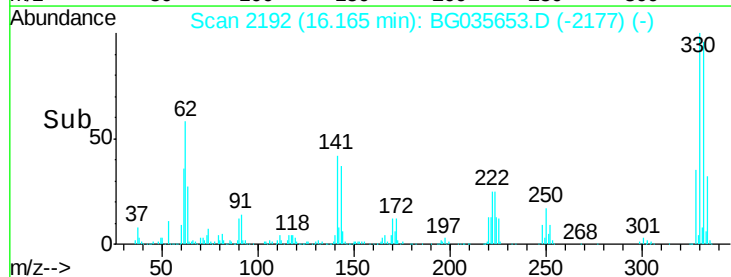
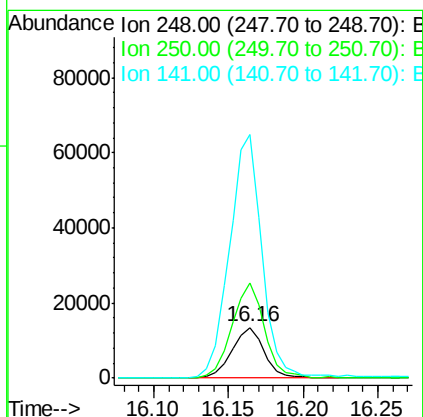
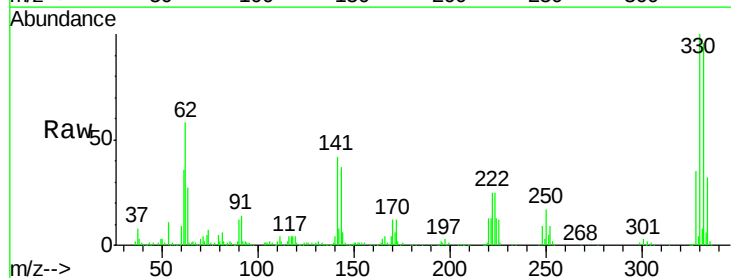
Instrument :
BNA_G
ClientSampleId :
WC-20180712

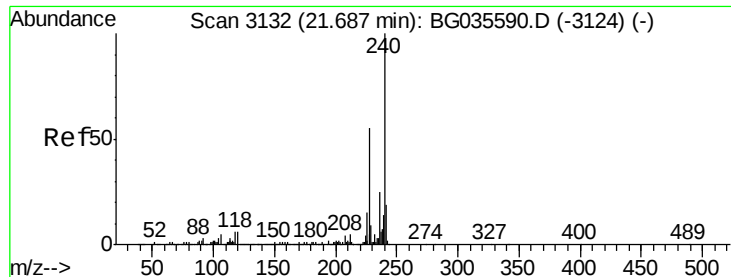
Tgt Ion:188 Resp: 361609
Ion Ratio Lower Upper
188 100
94 7.0 6.9 10.3
80 8.7 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.802 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.44 min
Lab File: BG035653.D
Acq: 14 Jul 2018 6:27

Tgt Ion:248 Resp: 20144
Ion Ratio Lower Upper
248 100
250 189.5 77.1 115.7#
141 483.1 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG035653.D

Acq: 14 Jul 2018 6:27

Instrument :

BNA_G

ClientSampleId :

WC-20180712

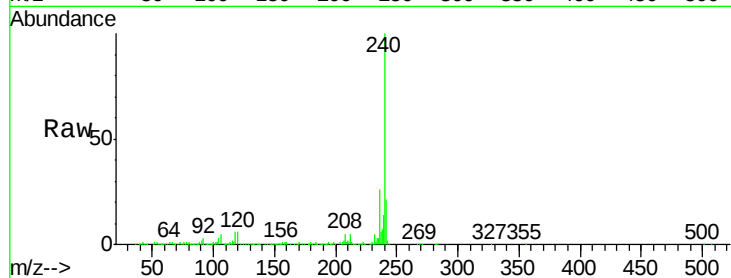
Tgt Ion:240 Resp: 385587

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

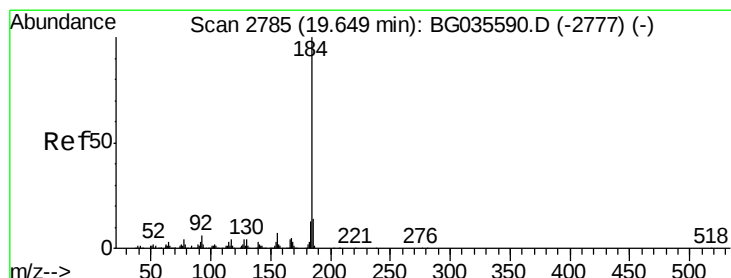
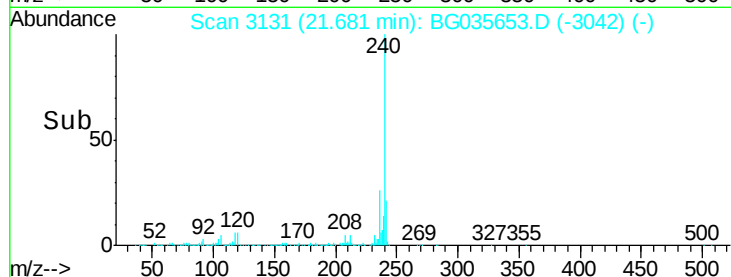
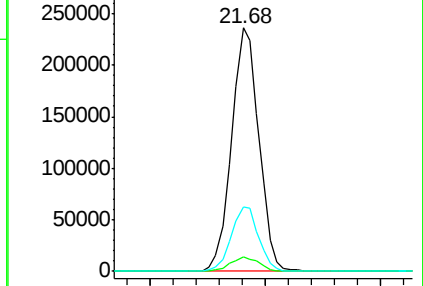
236 26.4 20.9 31.3



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: 2.737 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035653.D

Acq: 14 Jul 2018 6:27

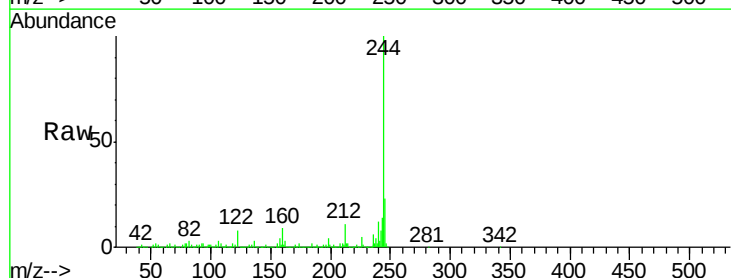
Tgt Ion:184 Resp: 27747

Ion Ratio Lower Upper

184 100

185 19.1 11.1 16.7#

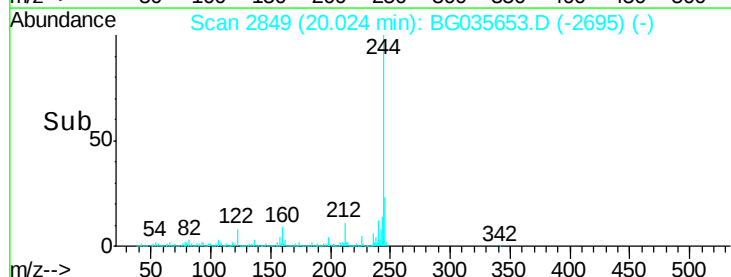
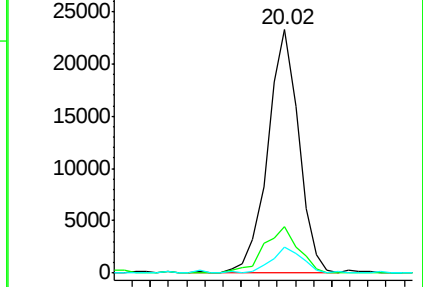
183 10.8 10.6 16.0

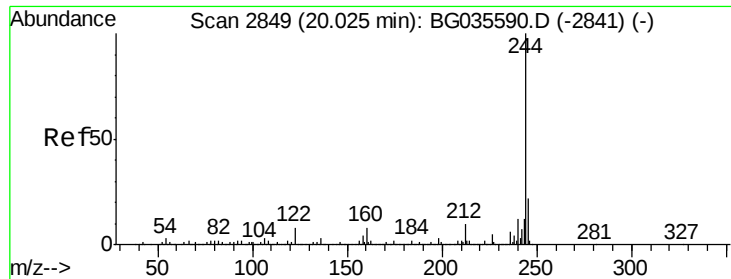


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

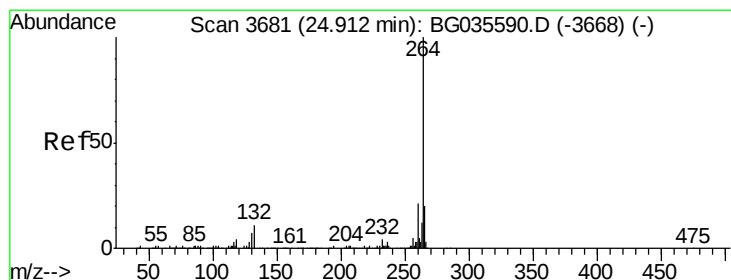
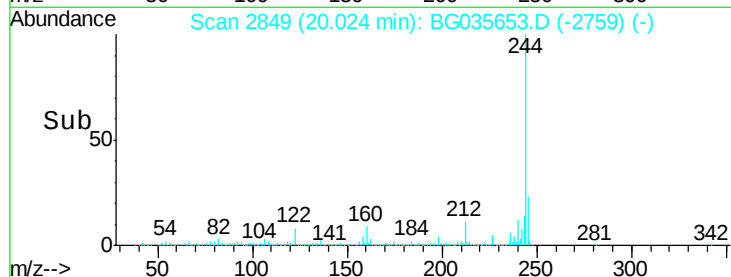
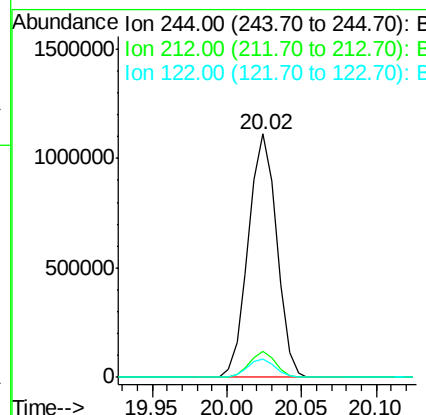
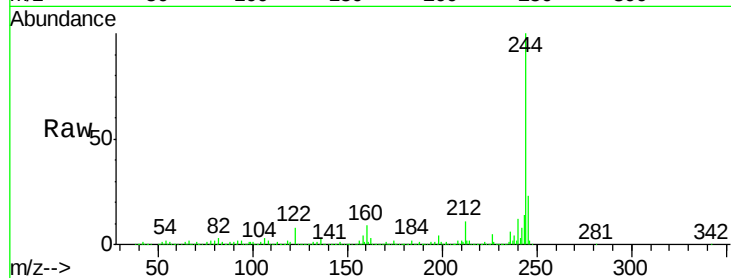




#78
 Terphenyl-d14
 Concen: 83.649 ng
 RT: 20.02 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: BG035653.D
 Acq: 14 Jul 2018 6:27

Instrument :
 BNA_G
 ClientSampled :
 WC-20180712

Tgt Ion:244 Resp: 1463223
 Ion Ratio Lower Upper
 244 100
 212 10.5 5.8 8.8#
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3679
 Delta R.T. -0.01 min
 Lab File: BG035653.D
 Acq: 14 Jul 2018 6:27

Tgt Ion:264 Resp: 373469
 Ion Ratio Lower Upper
 264 100
 260 25.7 17.4 26.0
 265 22.1 17.7 26.5

