

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
 Data File : BG033441.D
 Acq On : 30 Mar 2018 4:21
 Operator : SJ/JU
 Sample : PB107742TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 30 07:44:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

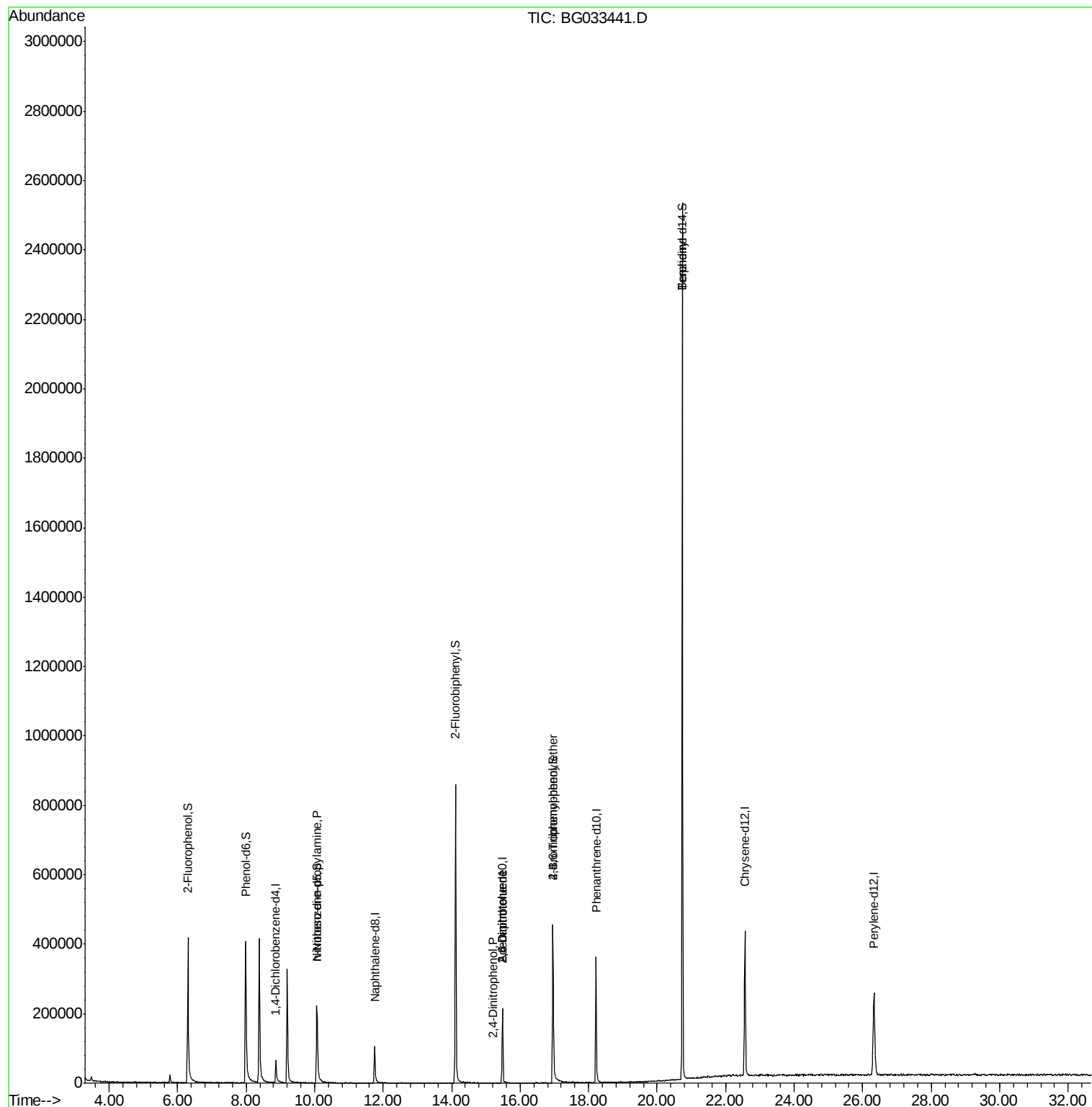
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	25939	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	104273	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	84144	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	261962	20.00	ng	0.00
75) Chrysene-d12	22.56	240	307035	20.00	ng	0.00
86) Perylene-d12	26.33	264	324748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	217743	157.41	ng	0.00
7) Phenol-d6	7.98	99	317216	133.46	ng	0.00
23) Nitrobenzene-d5	10.06	82	189832	83.64	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	100269	79.68	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	508516	87.24	ng	0.00
78) Terphenyl-d14	20.73	244	1251747	87.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	25148	14.439	ng	# 76
50) 2,6-Dinitrotoluene	15.48	165	10088	6.737	ng	# 18
53) 2,4-Dinitrophenol	15.21	184	55	7.707	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	10088	4.576	ng	# 16
66) 4-Bromophenyl-phenylether	16.96	248	8207	2.668	ng	# 1
76) Benzidine	20.73	184	20254	2.433	ng	# 91

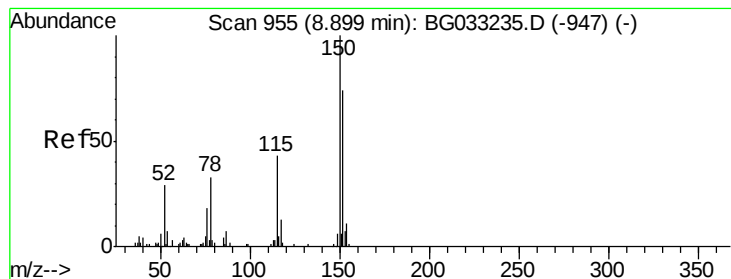
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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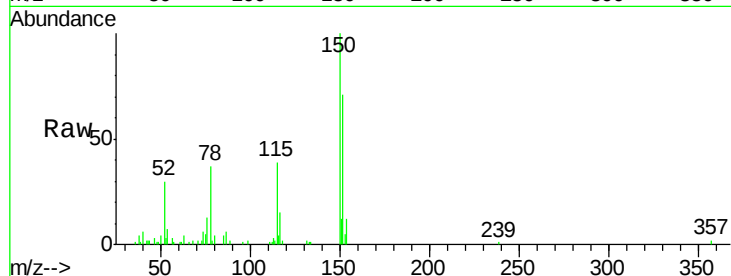




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.87 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BG033441.D
 Acq: 30 Mar 2018 4:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.8	126.6	189.8
115	55.8	53.0	79.4

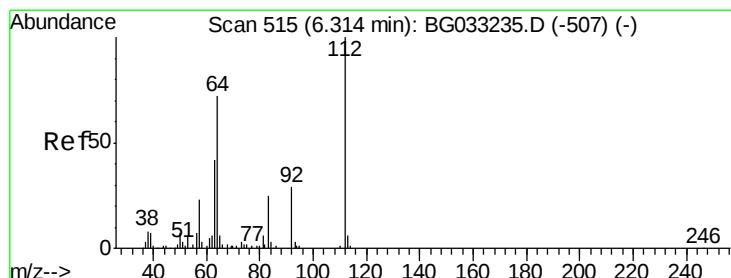
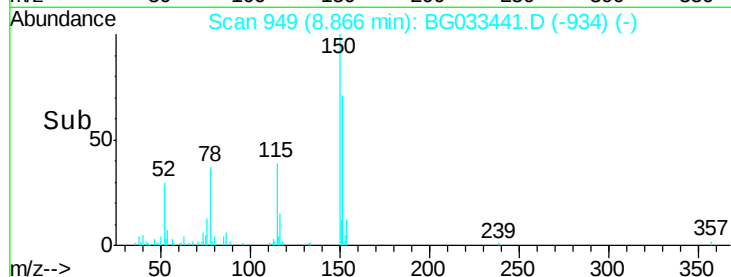
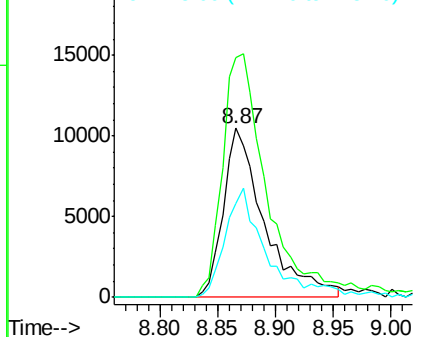


Abundance

Ion 152.00 (151.70 to 152.70): E

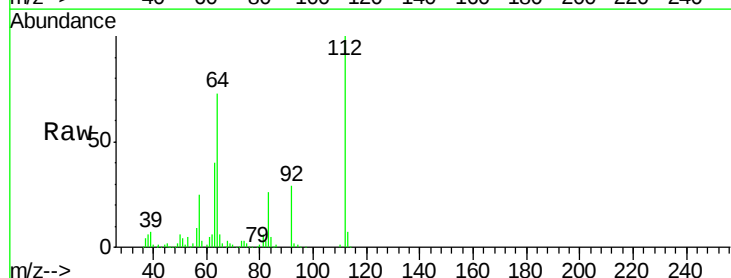
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 157.406 ng
 RT: 6.30 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: BG033441.D
 Acq: 30 Mar 2018 4:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.1	56.3	84.5
63	40.3	30.1	45.1

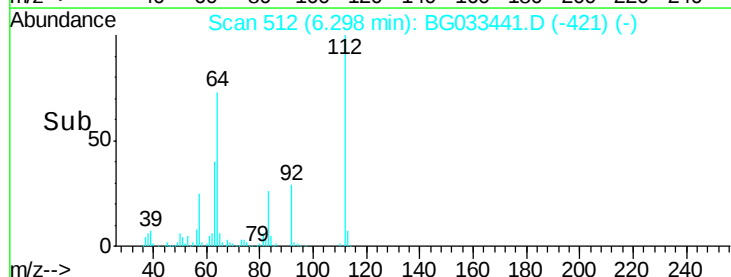
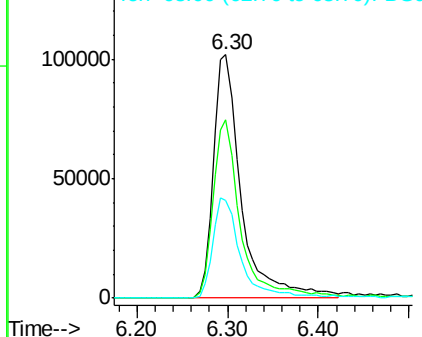


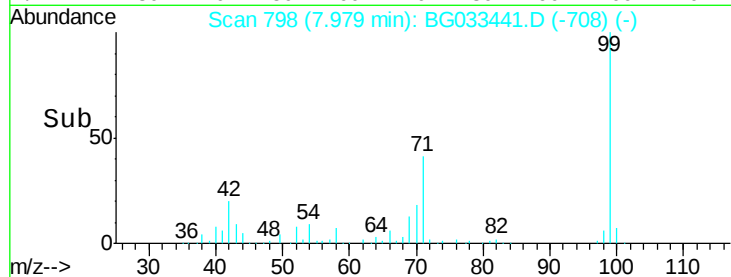
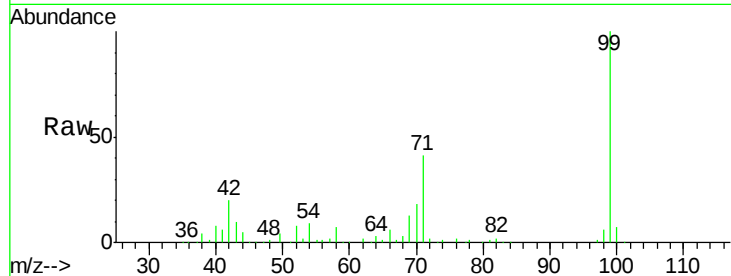
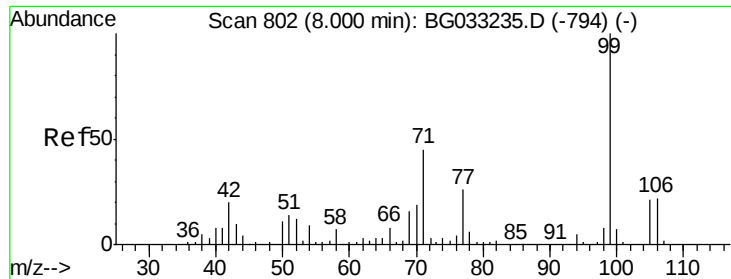
Abundance

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: 133.461 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.00 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

Instrument :

BNA_G

ClientSampleId :

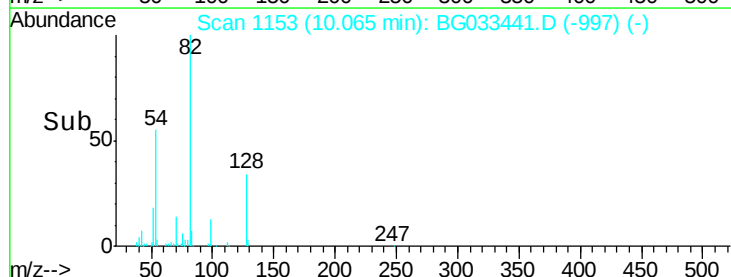
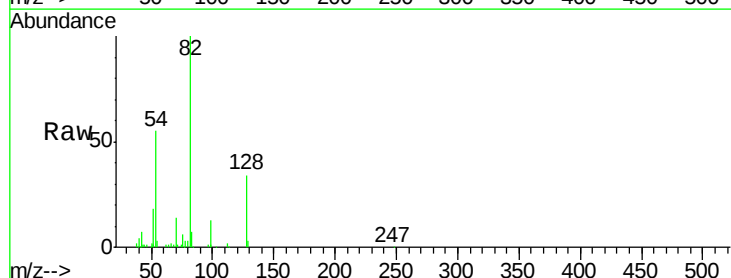
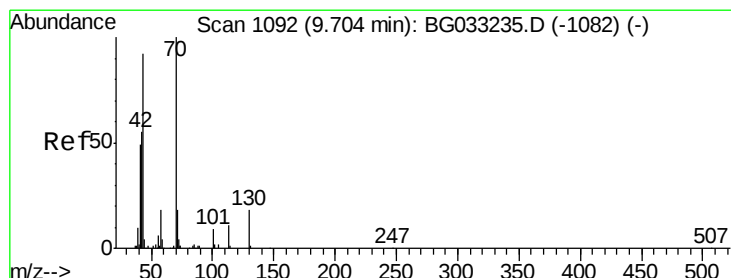
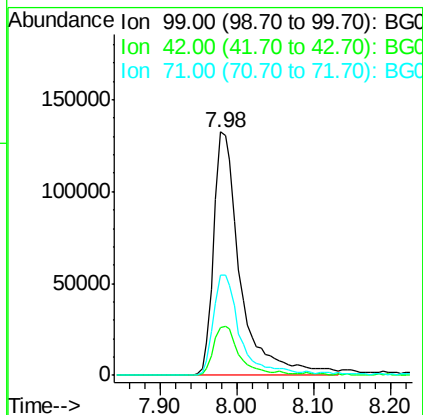
Tot Ion: 99 Resp: 317216

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

71 41.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.439 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.39 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

Tgt Ion: 70 Resp: 25148

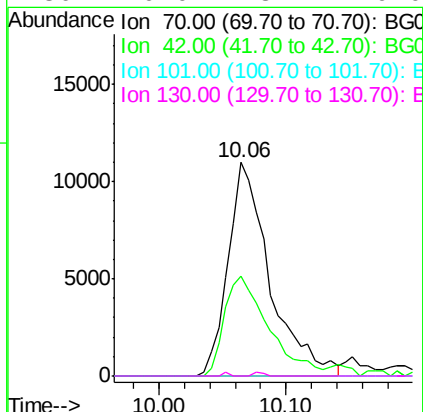
Ion Ratio Lower Upper

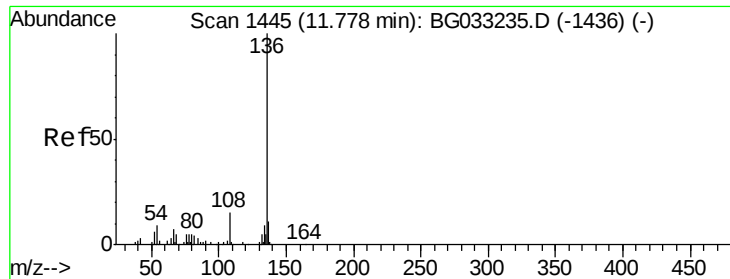
70 100

42 46.5 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

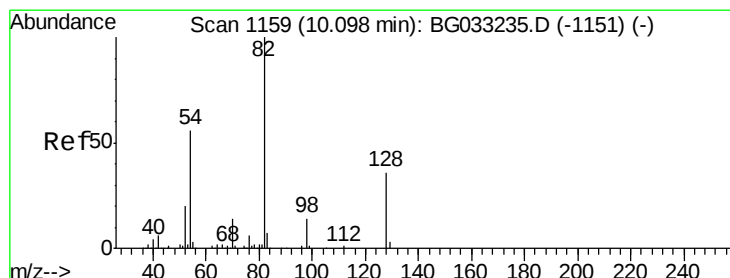
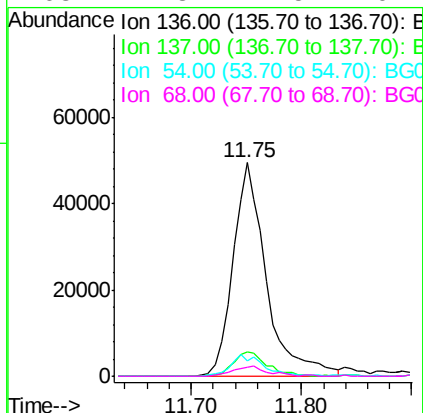
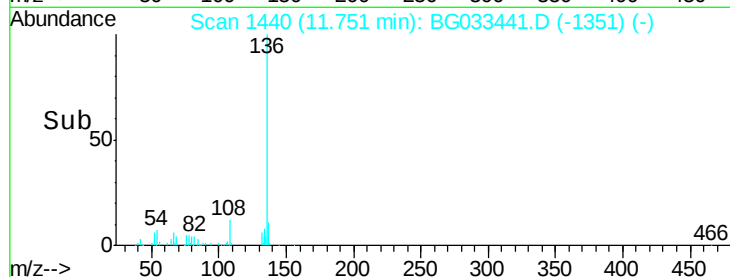
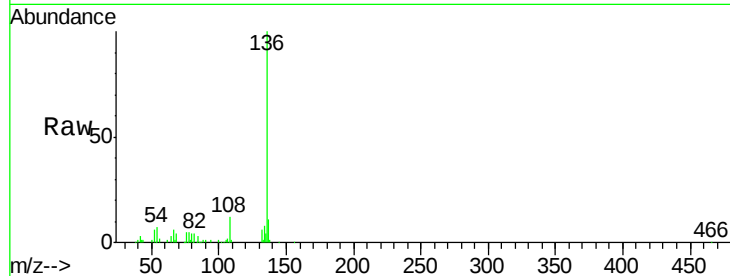




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033441.D
Acq: 30 Mar 2018 4:21

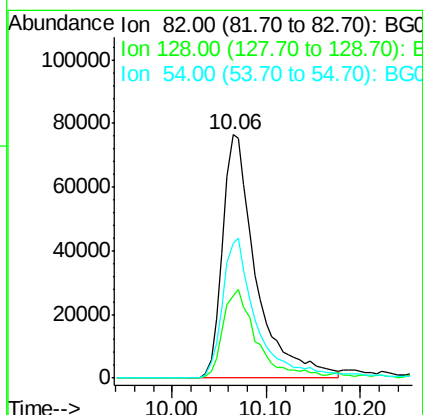
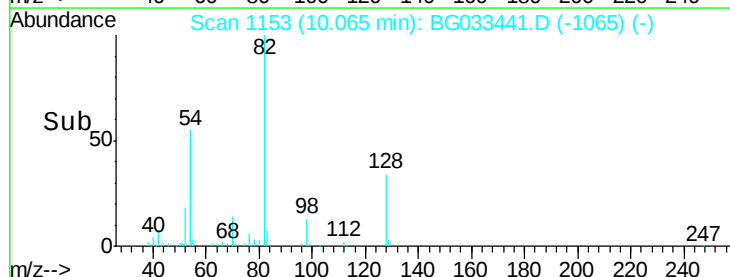
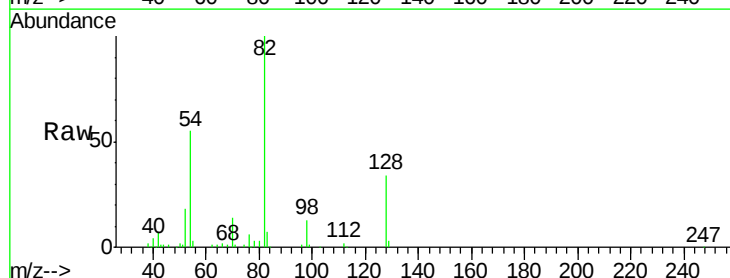
Instrument :
BNA_G
ClientSampleId :

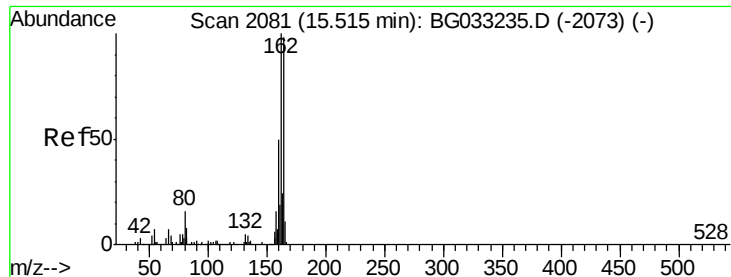
Tot Ion:136	Resp:	104273
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	7.5	10.3 15.5#
68	4.3	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 83.642 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BG033441.D
Acq: 30 Mar 2018 4:21

Tgt Ion: 82	Resp:	189832
Ion Ratio	Lower	Upper
82	100	
128	34.0	29.7 44.5
54	55.4	43.1 64.7

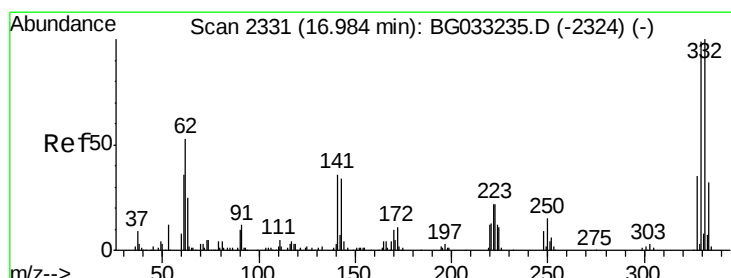
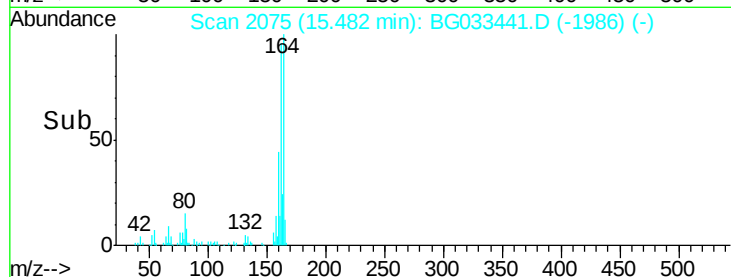
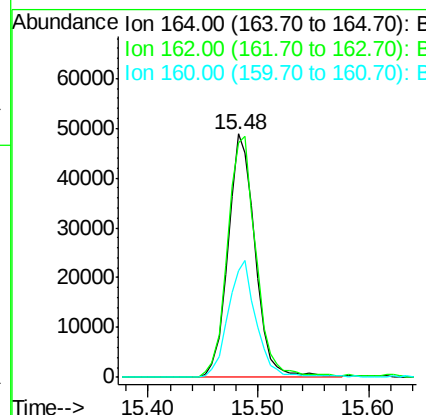
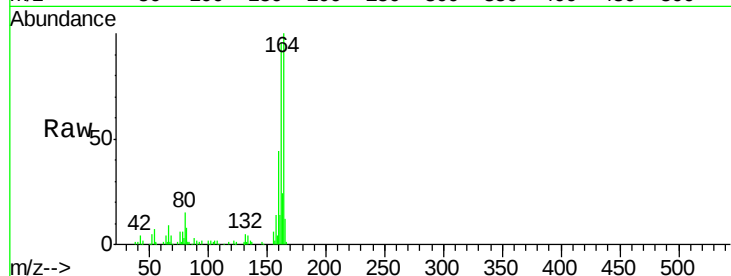




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: BG033441.D
 Acq: 30 Mar 2018 4:21

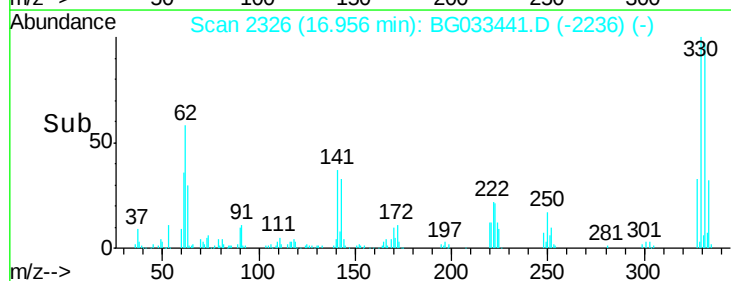
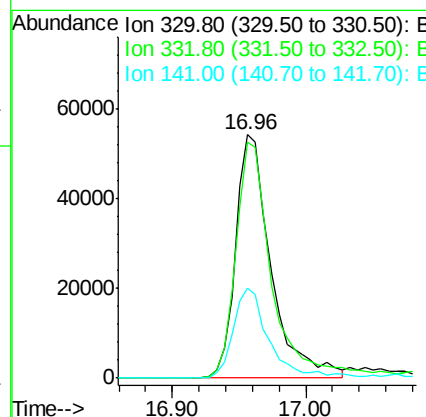
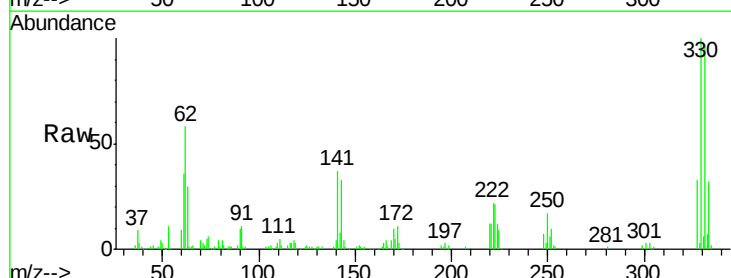
Instrument :
 BNA_G
 ClientSampleId :

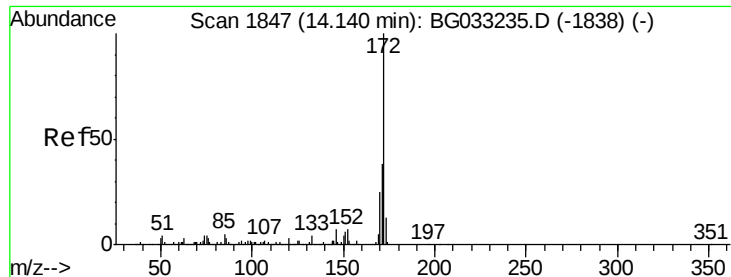
Tot Ion:164 Resp: 84144
 Ion Ratio Lower Upper
 164 100
 162 96.3 78.8 118.2
 160 43.7 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 79.675 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033441.D
 Acq: 30 Mar 2018 4:21

Tgt Ion:330 Resp: 100269
 Ion Ratio Lower Upper
 330 100
 332 100.0 77.0 115.6
 141 37.4 25.2 37.8

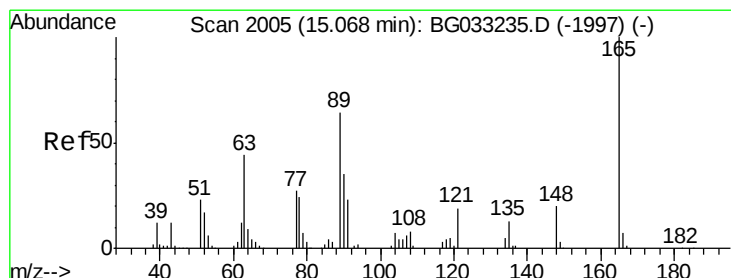
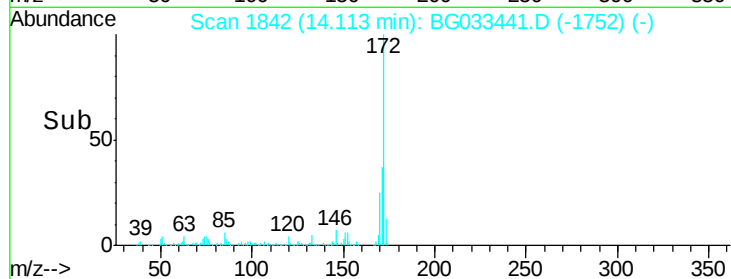
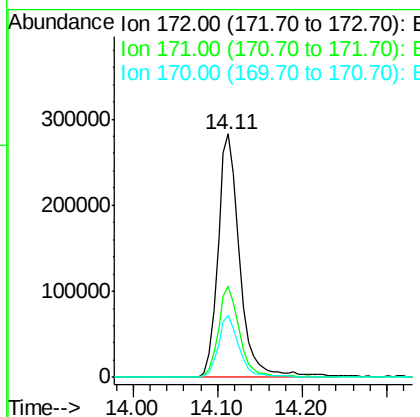
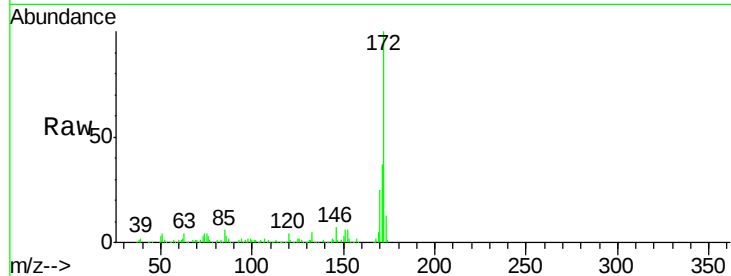




#44
2-Fluorobiphenyl
Concen: 87.245 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BG033441.D
Acq: 30 Mar 2018 4:21

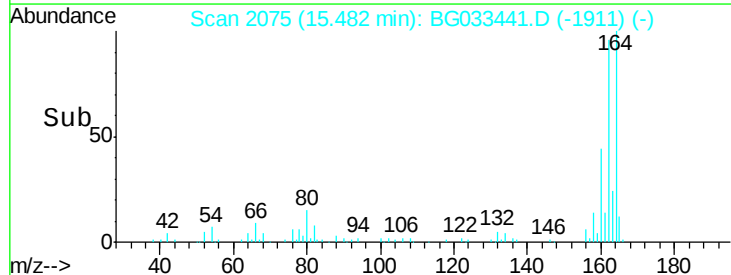
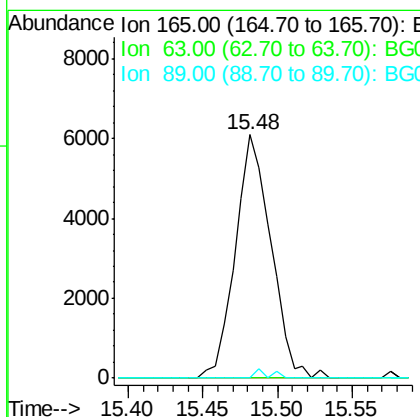
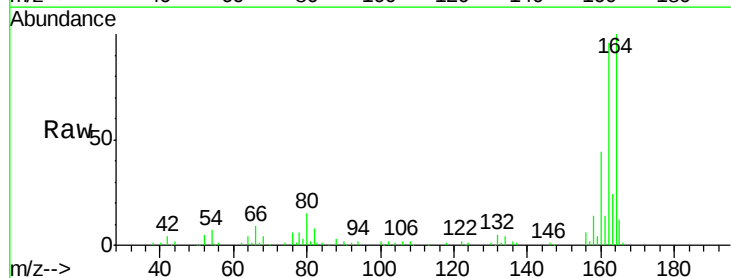
Instrument :
BNA_G
ClientSampleId :

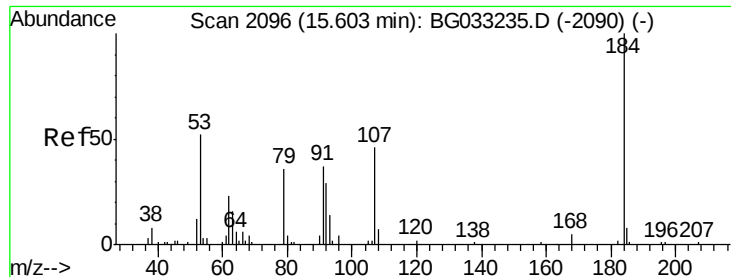
Tot Ion:172 Resp: 508516
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 25.2 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.737 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.43 min
Lab File: BG033441.D
Acq: 30 Mar 2018 4:21

Tgt Ion:165 Resp: 10088
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: 7.707 ng

RT: 15.21 min Scan# 2028

Delta R.T. -0.38 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

Instrument :

BNA_G

ClientSampleId :

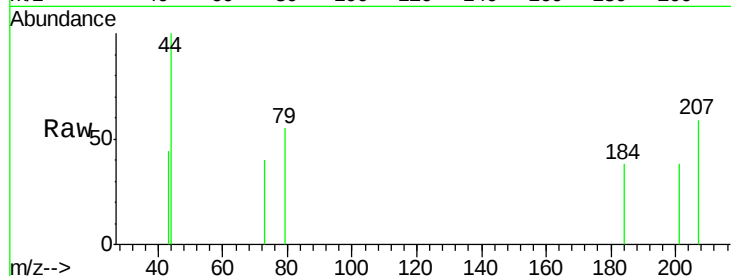
Tot Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#

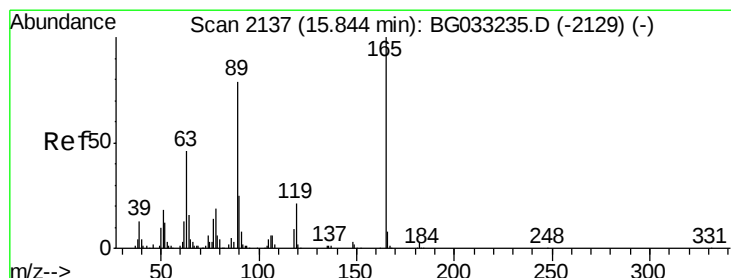
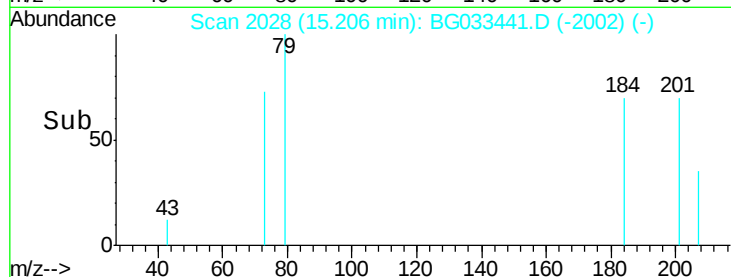
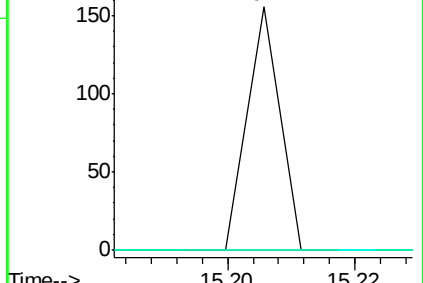


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

15.21



#56

2,4-Dinitrotoluene

Concen: 4.576 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.34 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

Tgt Ion:165 Resp: 10088

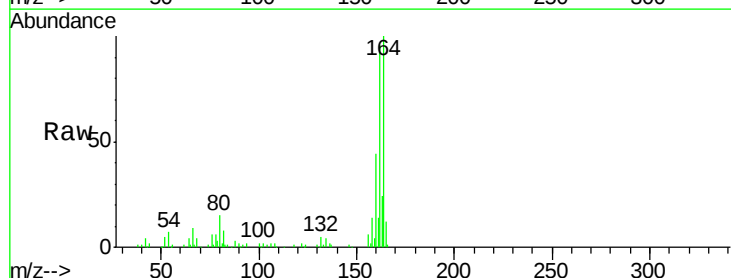
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#



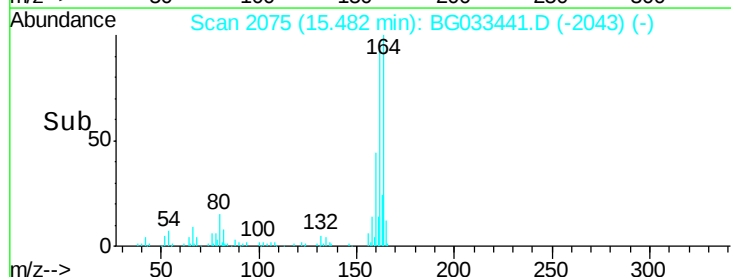
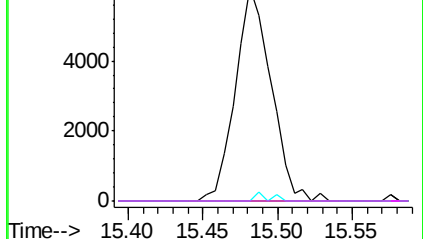
Abundance Ion 165.00 (164.70 to 165.70): E

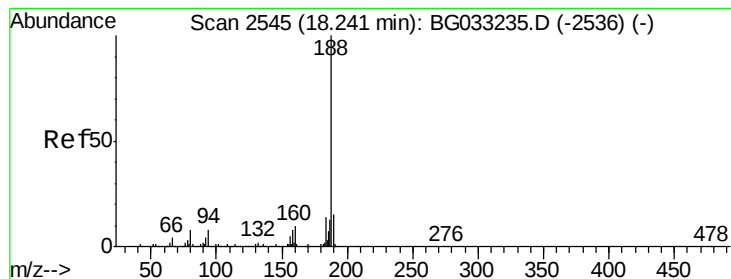
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

15.48





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

Instrument :

BNA_G

ClientSampleId :

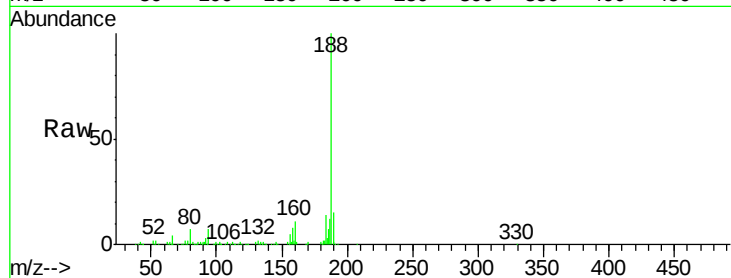
Tot Ion:188 Resp: 261962

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

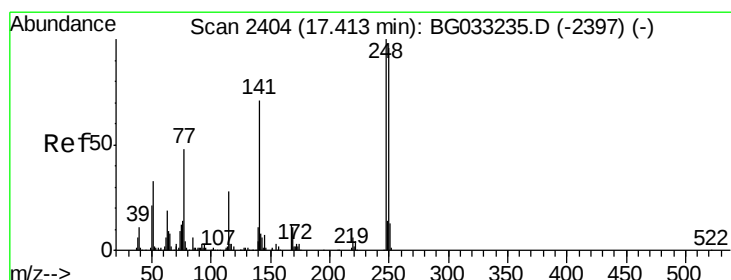
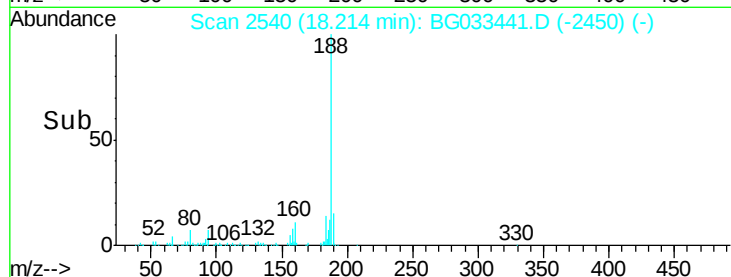
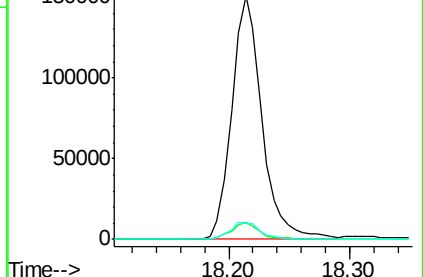
80 6.7 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 2.668 ng

RT: 16.96 min Scan# 2326

Delta R.T. -0.43 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

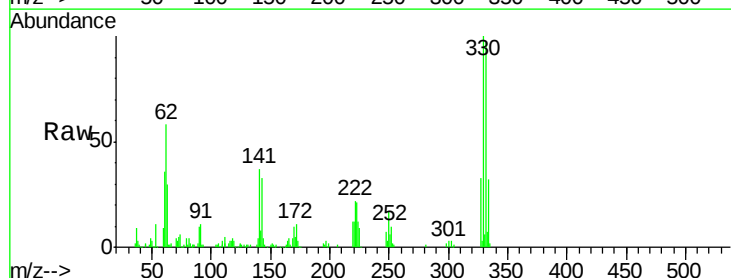
Tgt Ion:248 Resp: 8207

Ion Ratio Lower Upper

248 100

250 239.7 77.1 115.7#

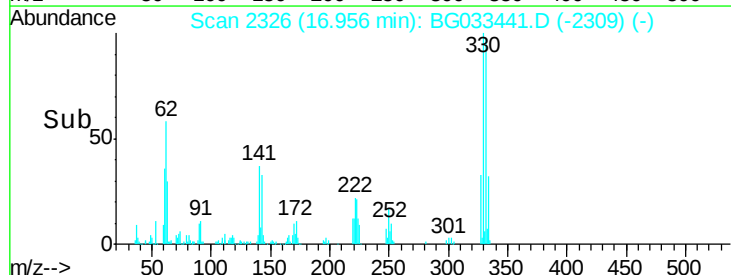
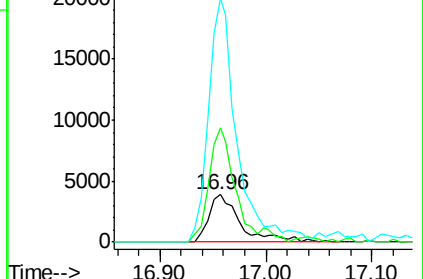
141 511.8 50.8 76.2#

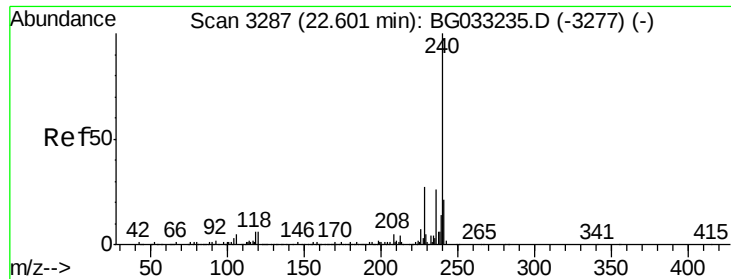


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

Instrument :

BNA_G

ClientSampleId :

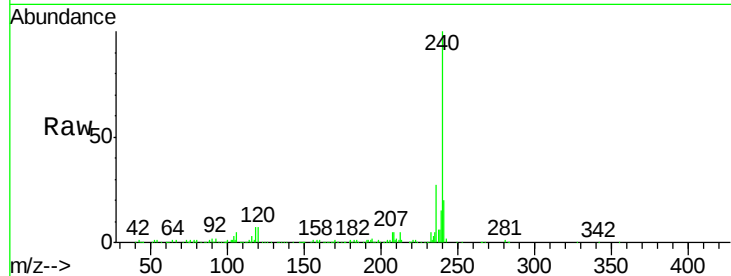
Tot Ion:240 Resp: 307035

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2

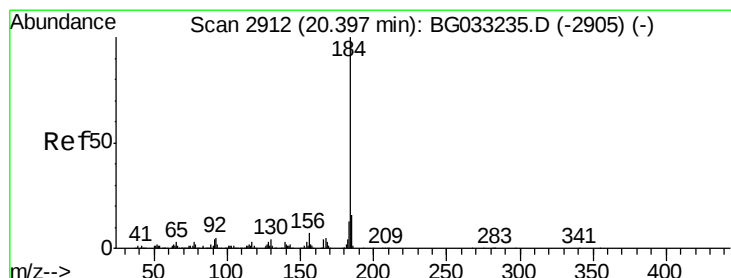
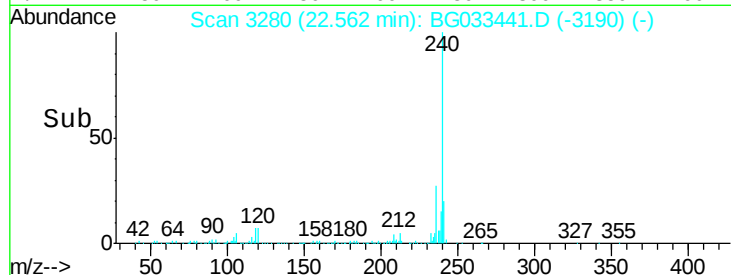
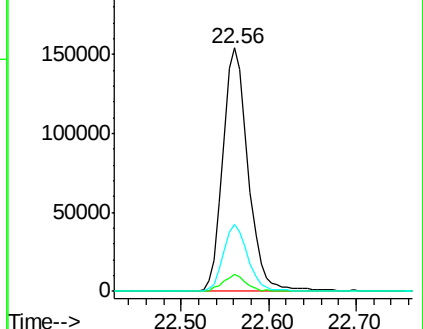
236 27.3 20.9 31.3



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: 2.433 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

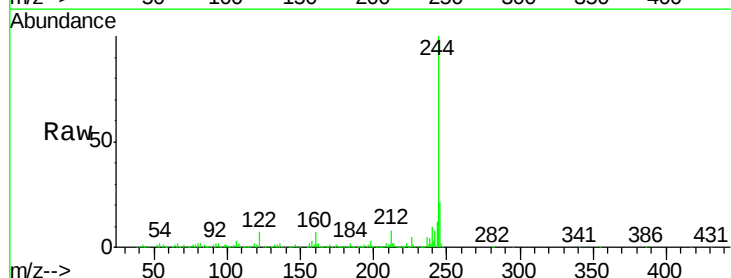
Tgt Ion:184 Resp: 20254

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

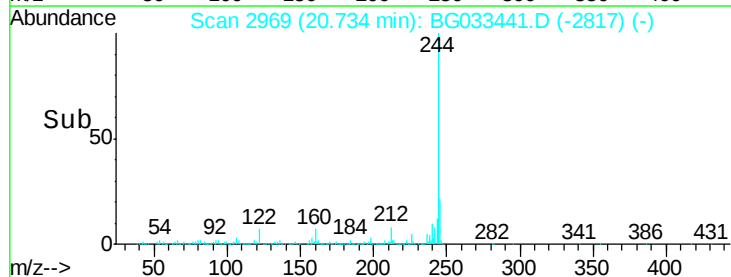
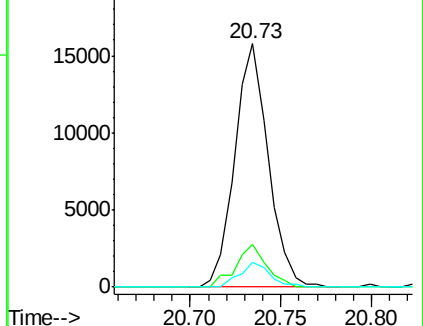
183 10.2 10.6 16.0#

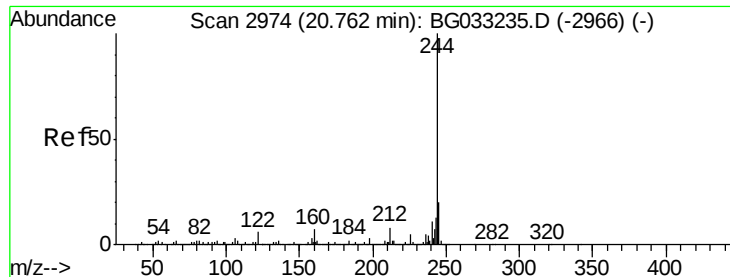


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.189 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

Instrument :

BNA_G

ClientSampleId :

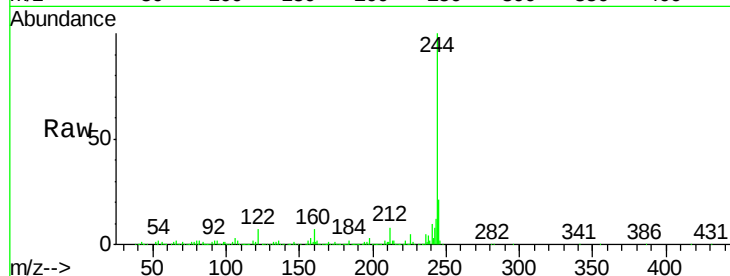
Tot Ion:244 Resp: 1251747

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

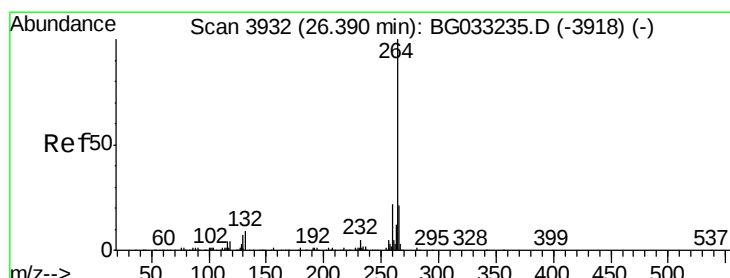
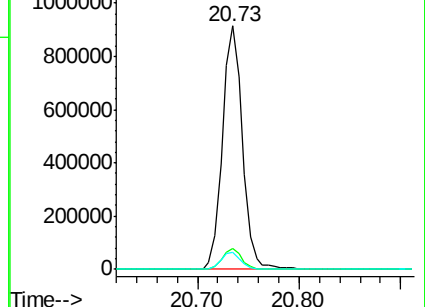
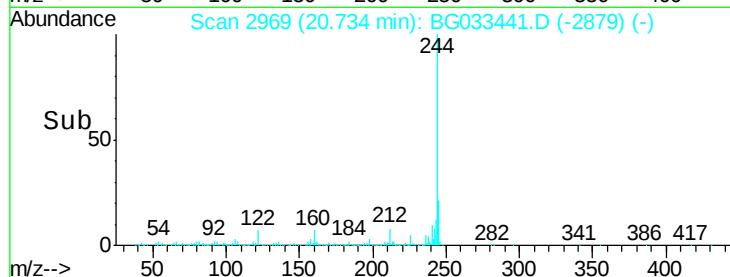
122 6.9 7.0 10.4#



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: 26.33 min Scan# 3922

Delta R.T. -0.00 min

Lab File: BG033441.D

Acq: 30 Mar 2018 4:21

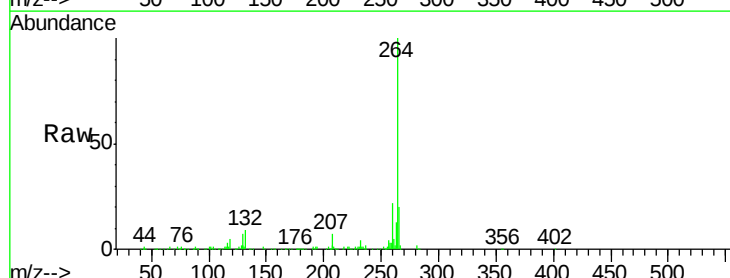
Tgt Ion:264 Resp: 324748

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.2 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

