

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032218\
 Data File : BG033312.D
 Acq On : 23 Mar 2018 3:51
 Operator : SJ/JU
 Sample : J1997-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 05:29:28 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 17:32:09 2018
 Response via : Initial Calibration

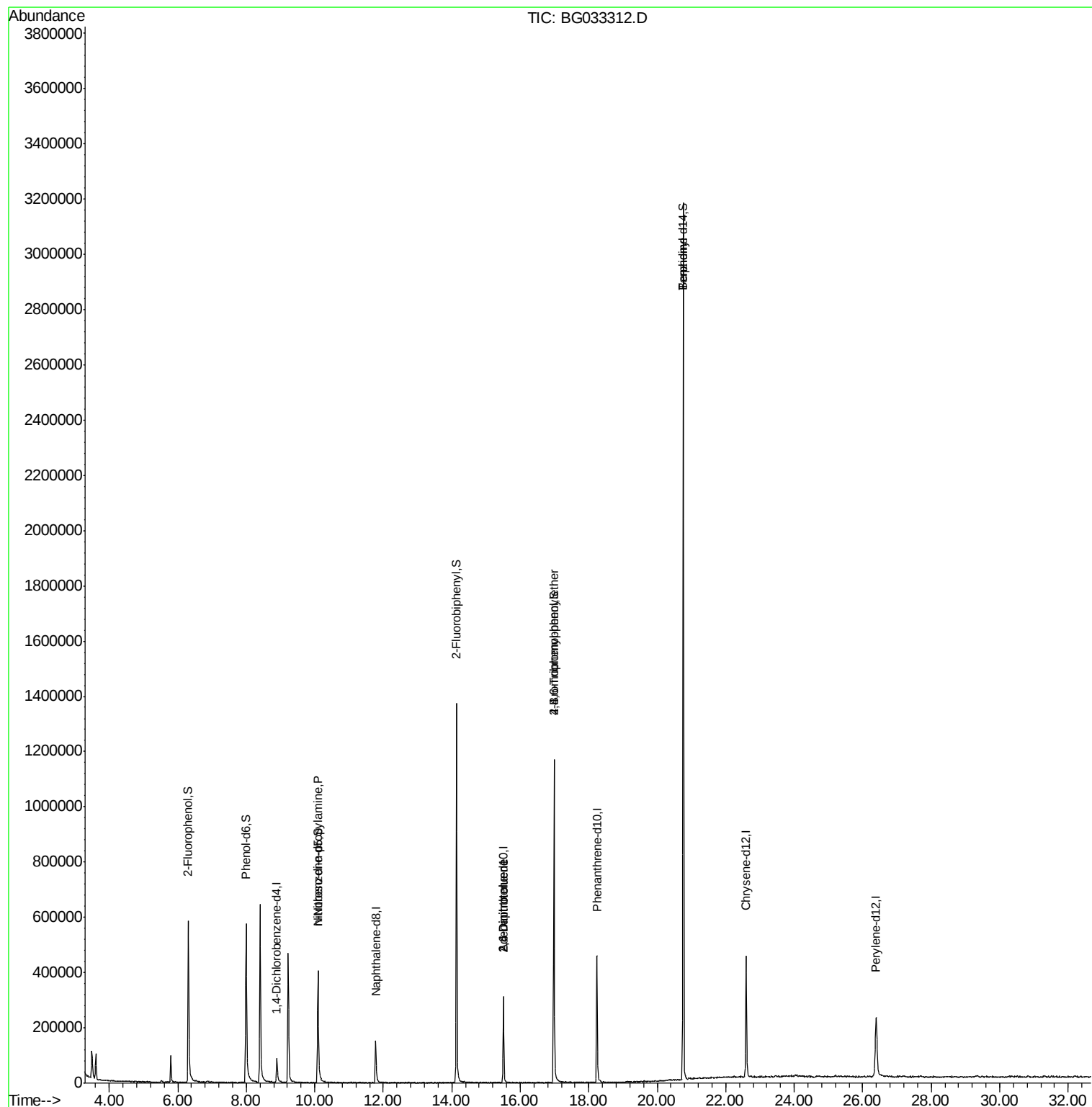
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	32868	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	151042	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	121954	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	340497	20.00	ng	0.00
75) Chrysene-d12	22.59	240	338149	20.00	ng	0.00
86) Perylene-d12	26.39	264	341269	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	287489	164.01	ng	0.00
7) Phenol-d6	7.99	99	415287	137.89	ng	0.00
23) Nitrobenzene-d5	10.09	82	325886	99.13	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	251336	137.80	ng	0.00
44) 2-Fluorobiphenyl	14.13	172	795230	94.14	ng	0.00
78) Terphenyl-d14	20.76	244	1610284	101.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.09	70	44267	20.058	ng	# 68
50) 2,6-Dinitrotoluene	15.51	165	14887	6.860	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	14887	4.659	ng	# 16
66) 4-Bromophenyl-phenylether	16.98	248	19269	4.819	ng	# 1
76) Benzidine	20.76	184	29155	3.179	ng	# 92

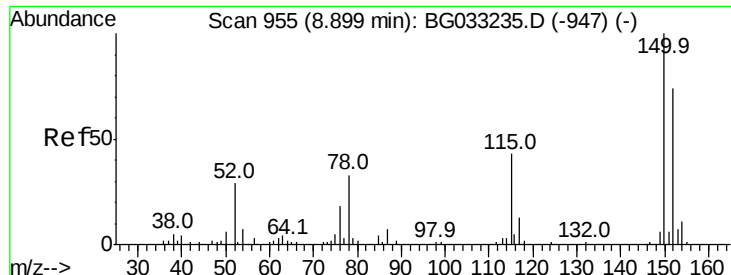
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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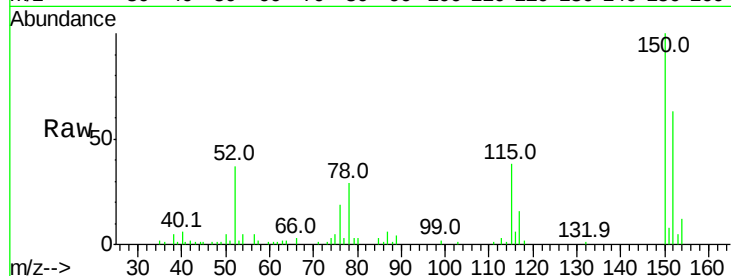


#1

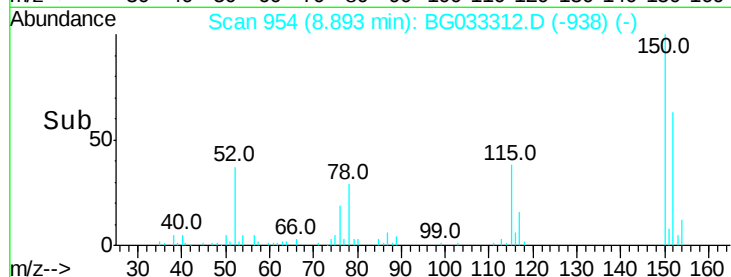
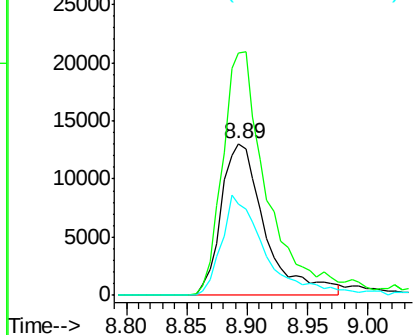
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32868
Ion Ratio Lower Upper
152 100
150 159.4 126.6 189.8
115 60.0 53.0 79.4



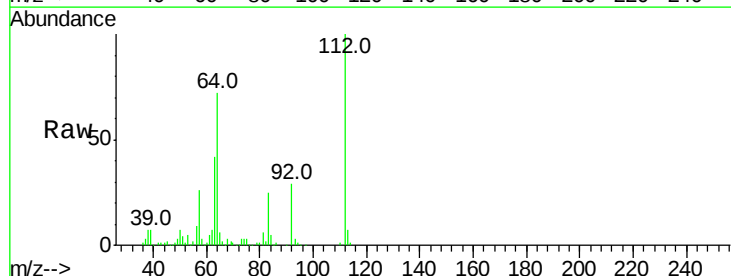
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



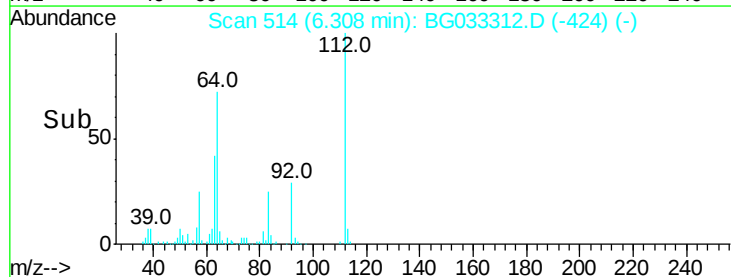
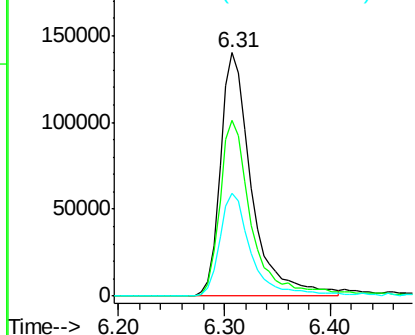
#5

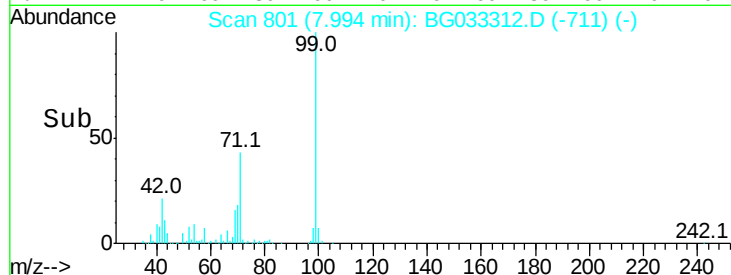
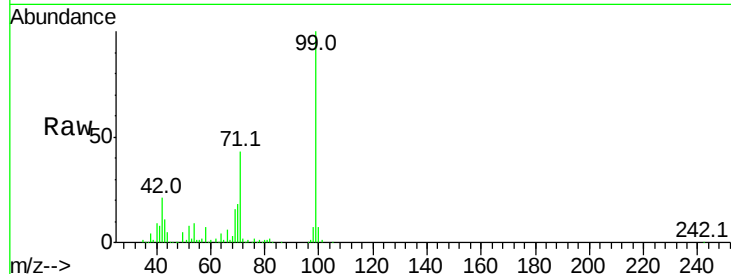
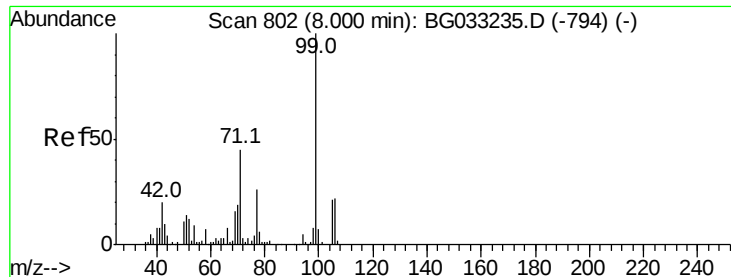
2-Fluorophenol
Concen: 164.013 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.00 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

Tgt Ion:112 Resp: 287489
Ion Ratio Lower Upper
112 100
64 72.2 56.3 84.5
63 42.2 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

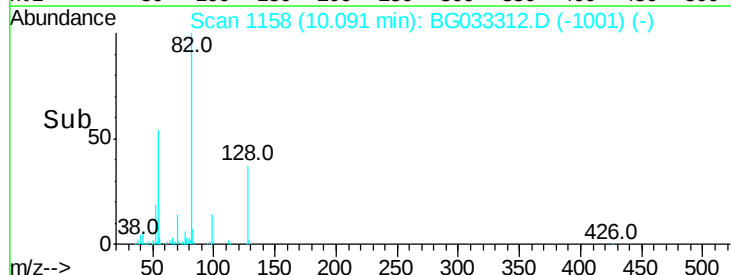
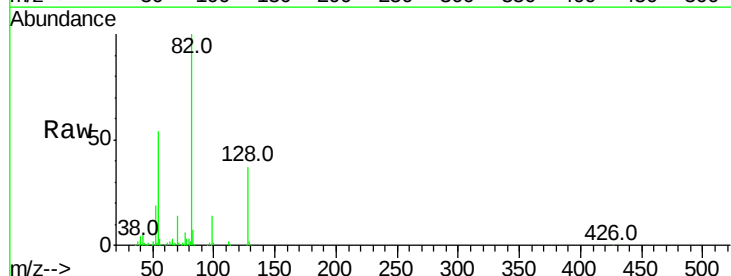
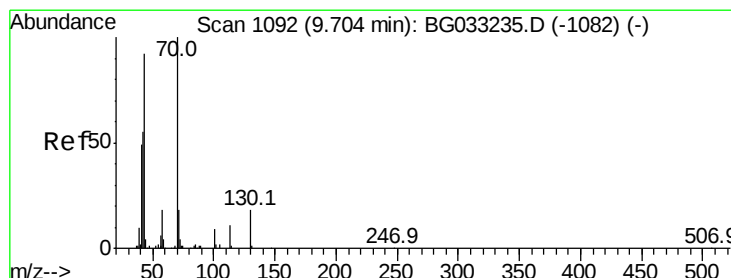
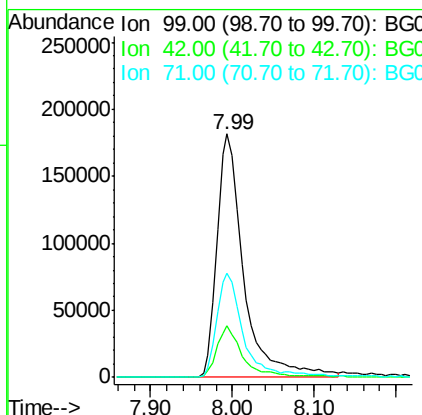




#7
Phenol-d6
Concen: 137.889 ng
RT: 7.99 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

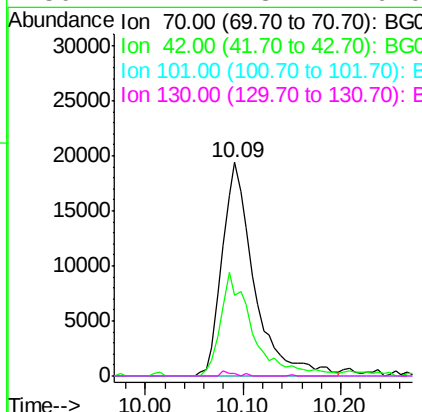
Instrument :
BNA_G
ClientSampled :

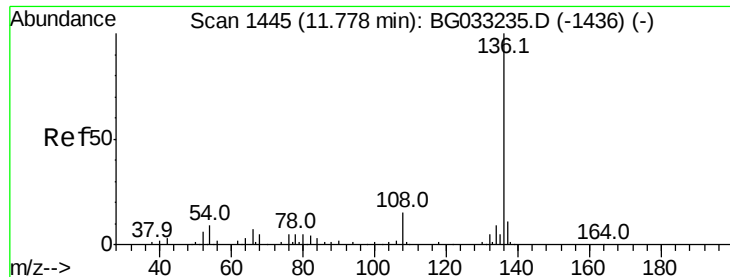
Tot Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.1	21.1
71	42.5	26.1	39.1



#19
n-Nitroso-di-n-propylamine
Concen: 20.058 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.39 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

Tgt Ion	Ratio	Lower	Upper
70	100		
42	37.7	49.1	73.7
101	0.0	8.5	12.7
130	1.1	13.4	20.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 151042

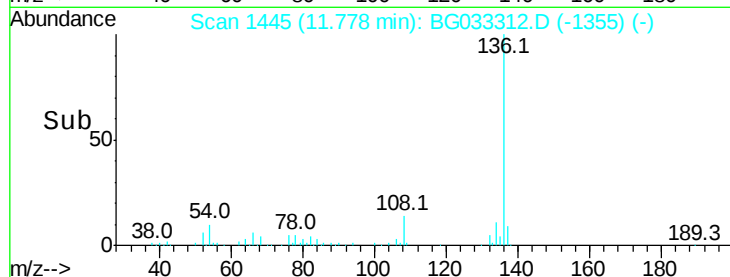
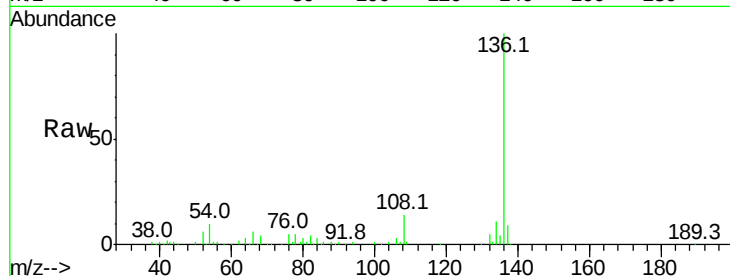
Ion Ratio Lower Upper

136 100

137 9.3 9.2 13.8

54 9.6 10.3 15.5#

68 4.4 4.5 6.7#

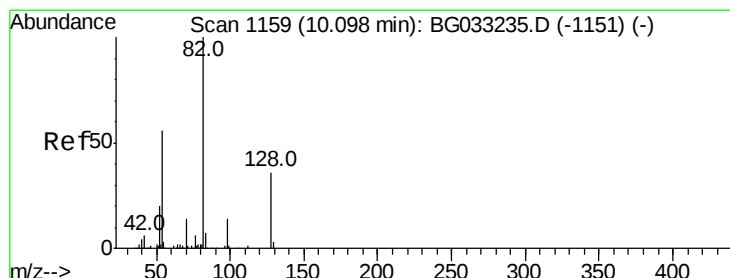
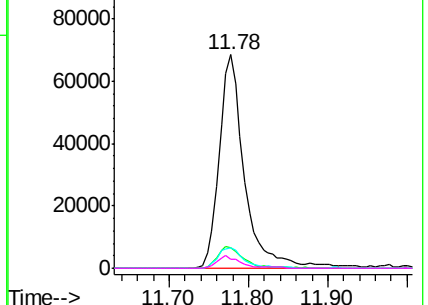


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.128 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

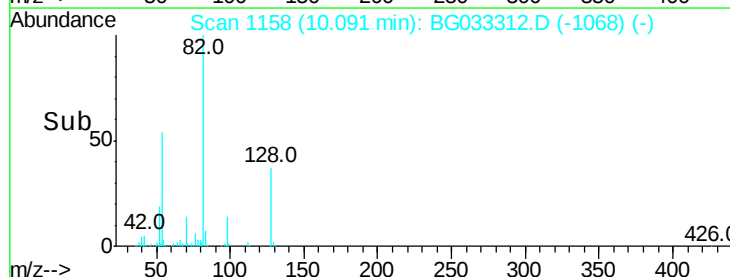
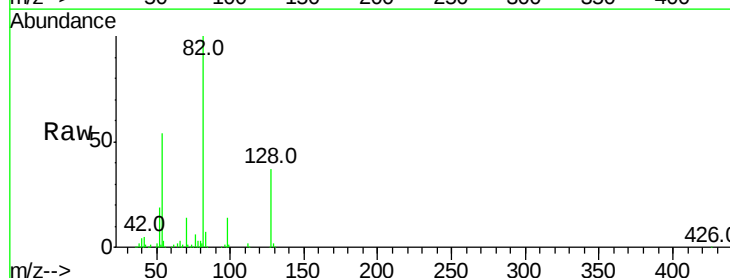
Tgt Ion: 82 Resp: 325886

Ion Ratio Lower Upper

82 100

128 37.3 29.7 44.5

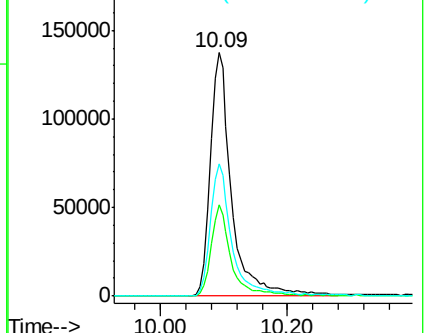
54 54.3 43.1 64.7

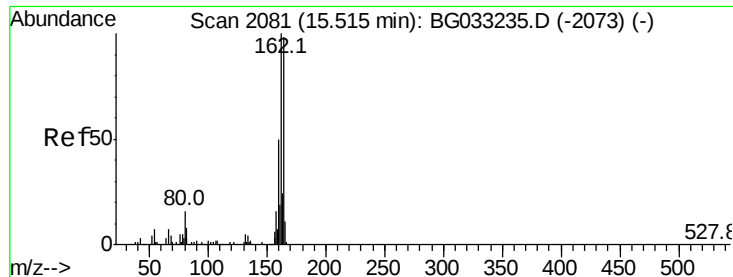


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 15.51 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

Instrument :

BNA_G

ClientSampleId :

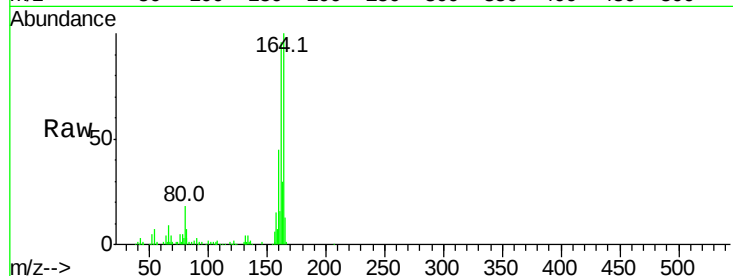
Tot Ion:164 Resp: 121954

Ion Ratio Lower Upper

164 100

162 96.3 78.8 118.2

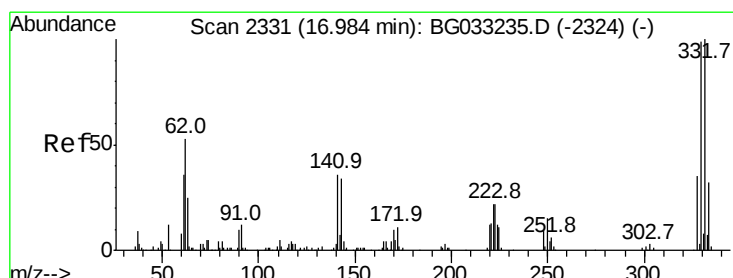
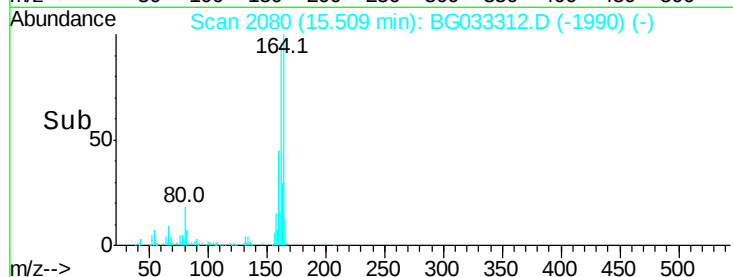
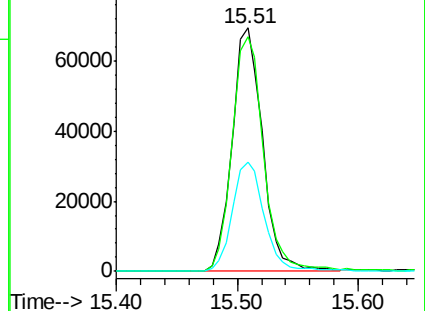
160 44.9 35.4 53.0



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: 137.797 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.00 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

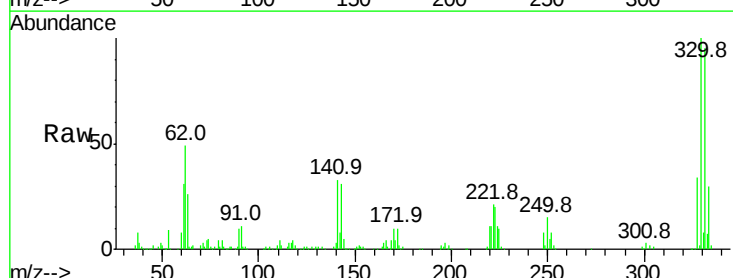
Tgt Ion:330 Resp: 251336

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

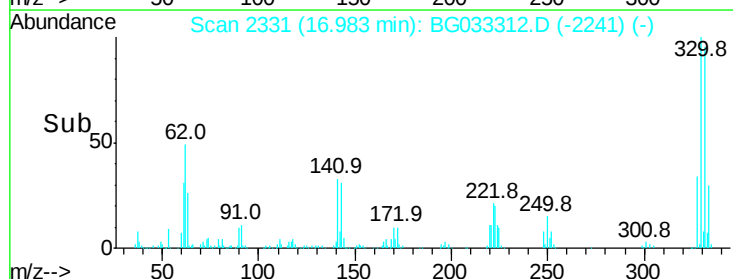
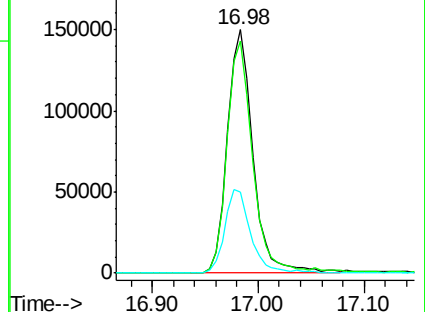
141 35.1 25.2 37.8

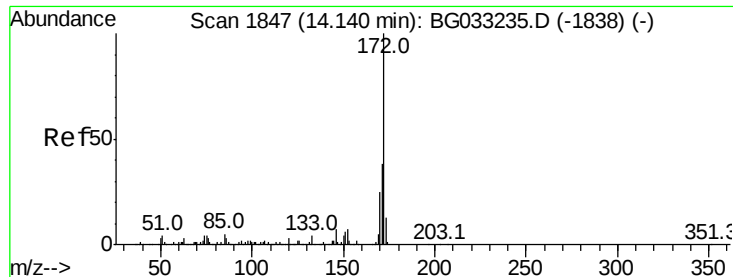


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 94.136 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

Instrument :

BNA_G

ClientSampleId :

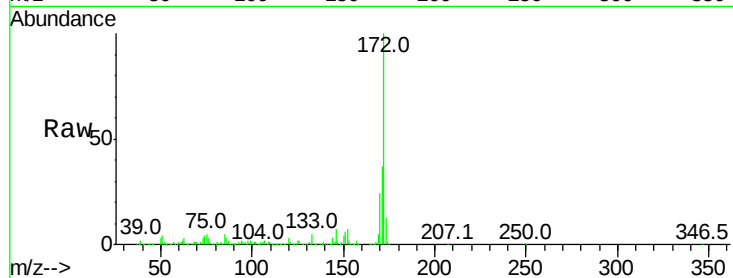
Tot Ion:172 Resp: 795230

Ion Ratio Lower Upper

172 100

171 36.5 30.0 45.0

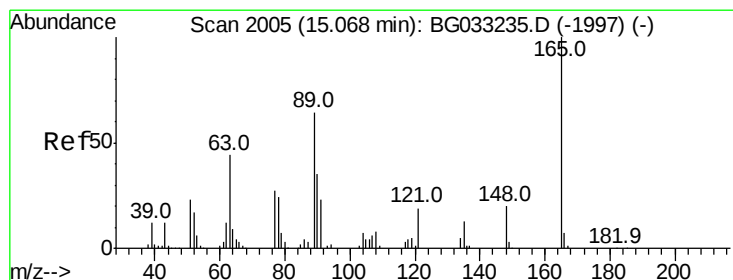
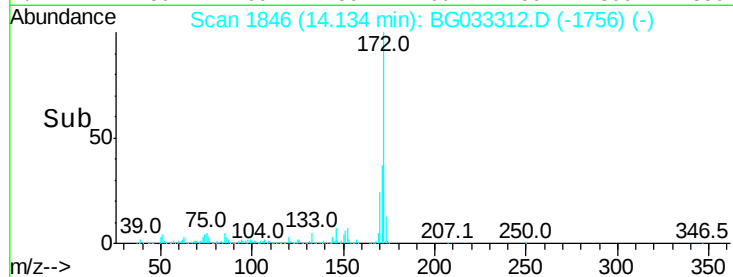
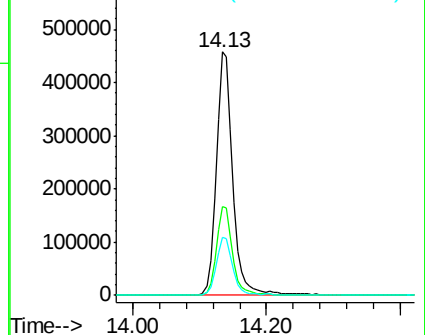
170 23.7 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 6.860 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.44 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

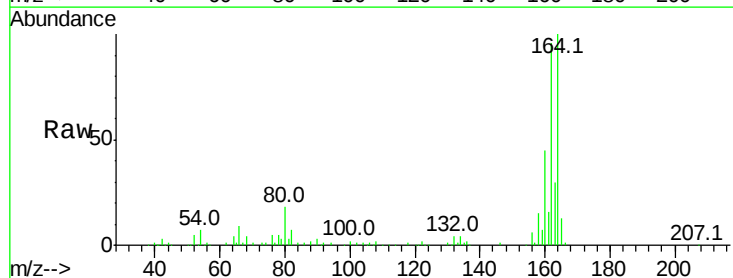
Tgt Ion:165 Resp: 14887

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

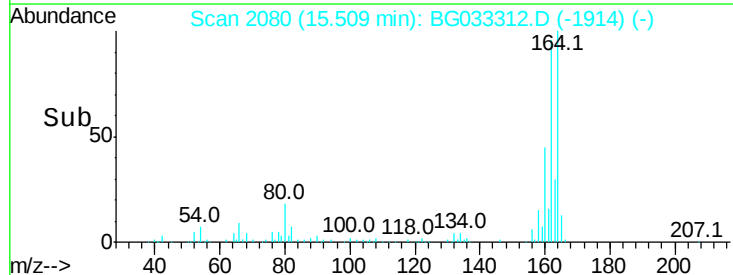
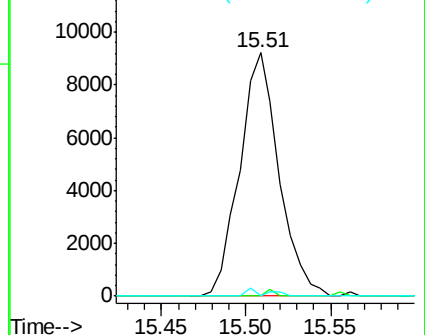
89 0.0 49.2 73.8#

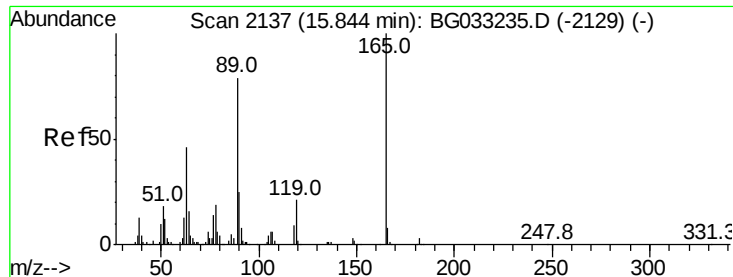


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

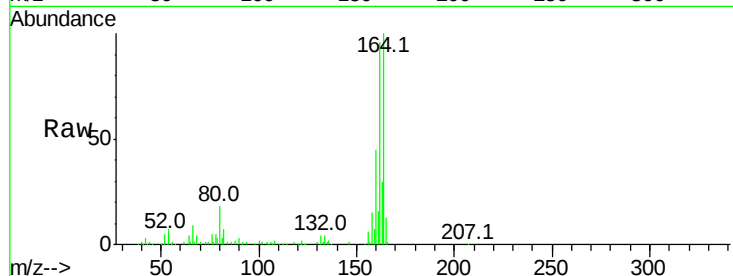




#56
2,4-Dinitrotoluene
Concen: 4.659 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

Instrument :
BNA_G
ClientSampleId :

Tot 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#

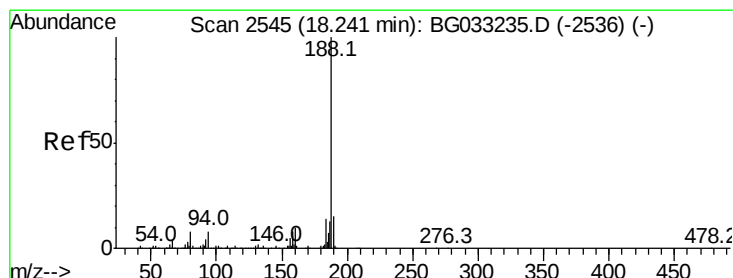
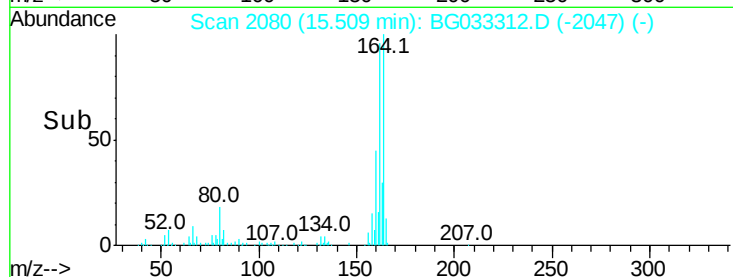
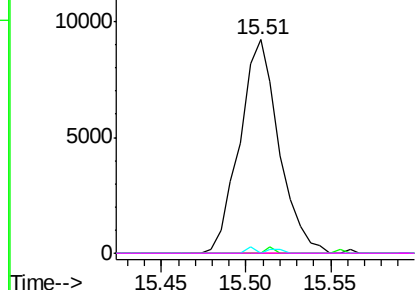


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

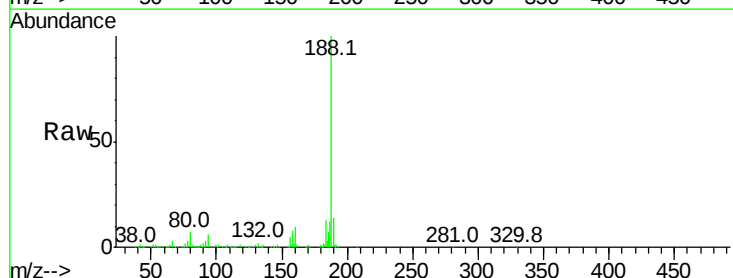
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. 0.00 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

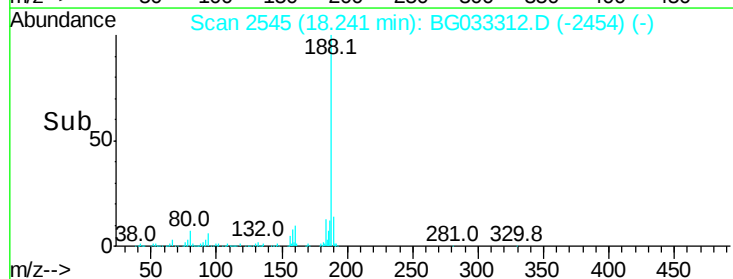
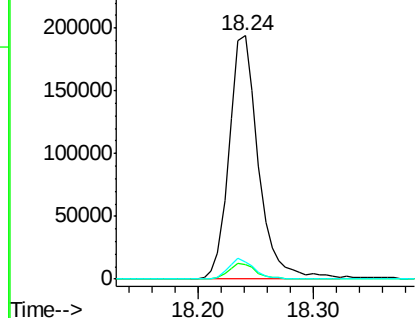
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	6.9	10.3#
80	7.0	7.7	11.5#

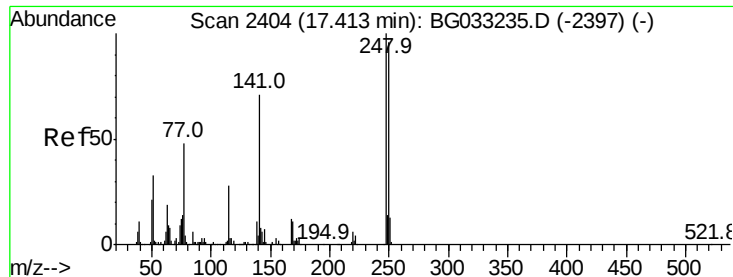


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

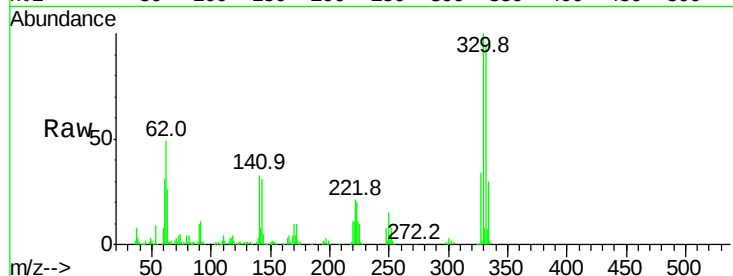




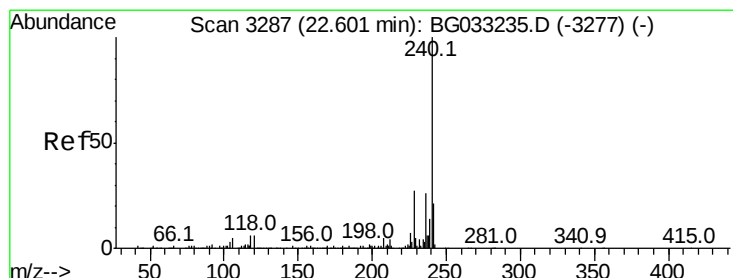
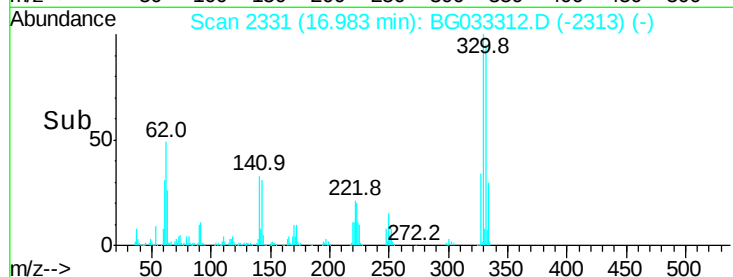
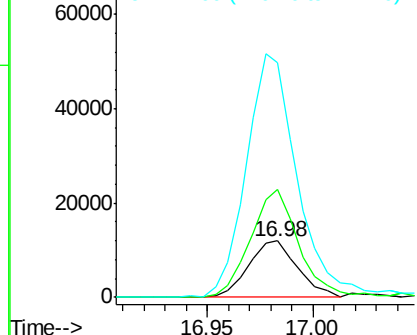
#66
4-Bromophenyl-phenylether
Concen: 4.819 ng
RT: 16.98 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19269
Ion Ratio Lower Upper
248 100
250 191.7 77.1 115.7#
141 416.8 50.8 76.2#

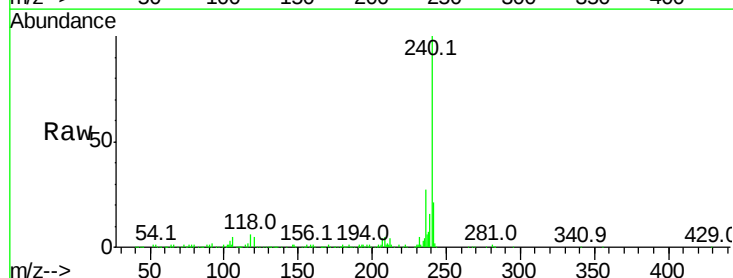


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

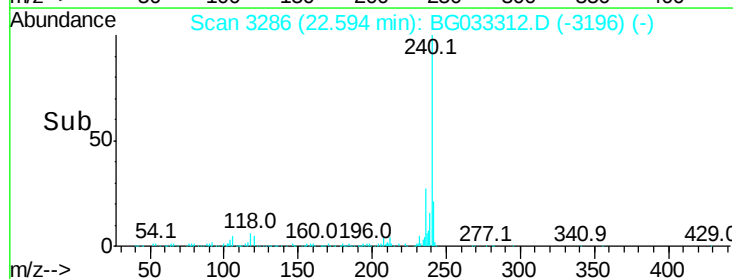
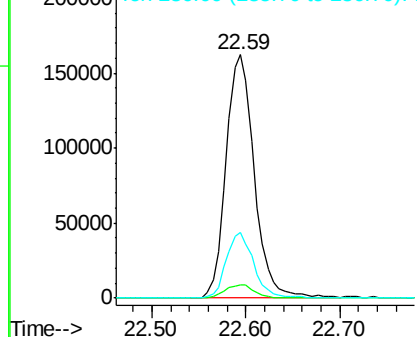


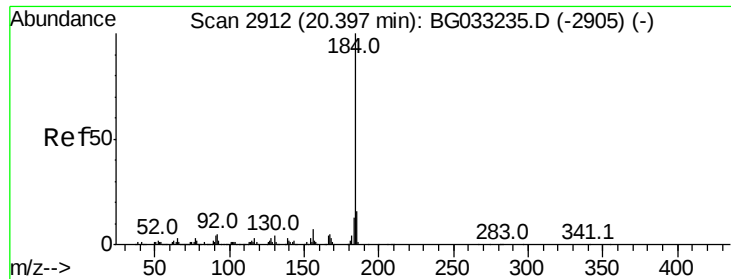
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.59 min Scan# 3286
Delta R.T. -0.00 min
Lab File: BG033312.D
Acq: 23 Mar 2018 3:51

Tgt Ion:240 Resp: 338149
Ion Ratio Lower Upper
240 100
120 5.2 6.8 10.2#
236 27.2 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: 3.179 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

Instrument :

BNA_G

ClientSampleId :

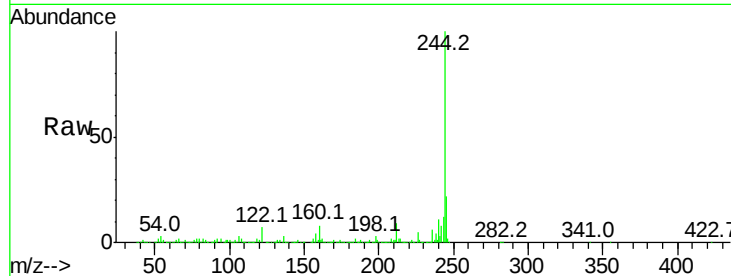
Tot Ion:184 Resp: 29155

Ion Ratio Lower Upper

184 100

185 12.0 11.1 16.7

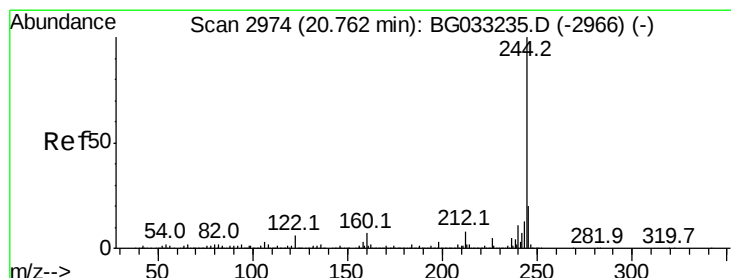
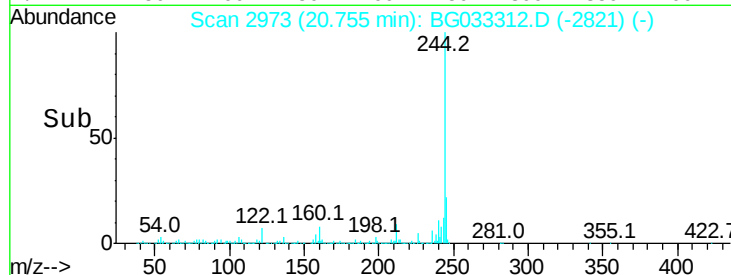
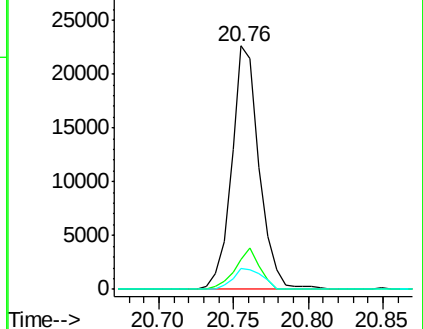
183 8.3 10.6 16.0#



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: 101.842 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG033312.D

Acq: 23 Mar 2018 3:51

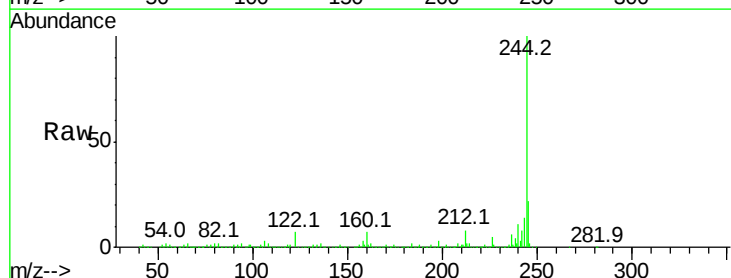
Tgt Ion:244 Resp: 1610284

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

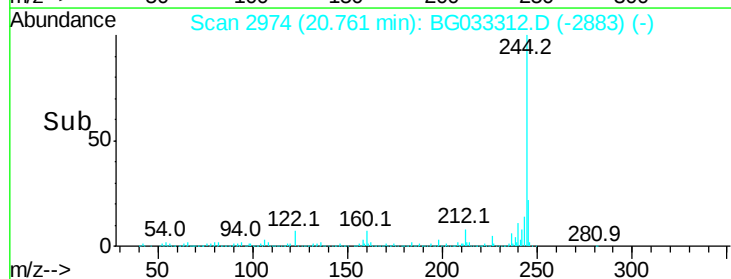
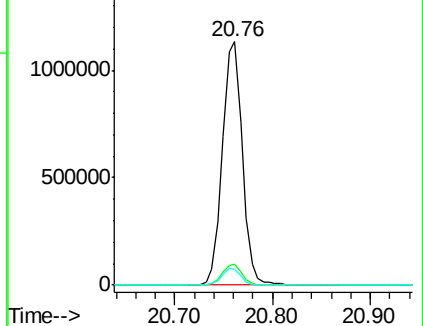
122 6.5 7.0 10.4#

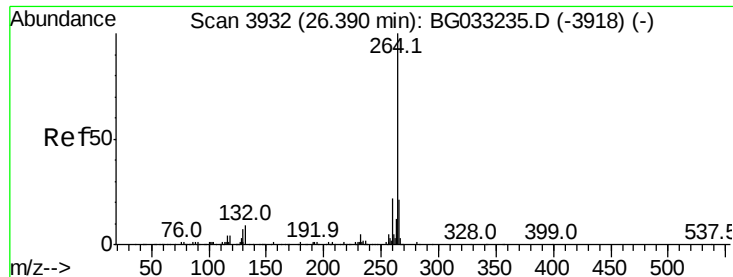


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.39 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: BG033312.D
 Acq: 23 Mar 2018 3:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	23.5	17.7	26.5

