

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032218\
 Data File : BG033304.D
 Acq On : 22 Mar 2018 21:05
 Operator : SJ/JU
 Sample : J1995-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 04:17:23 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

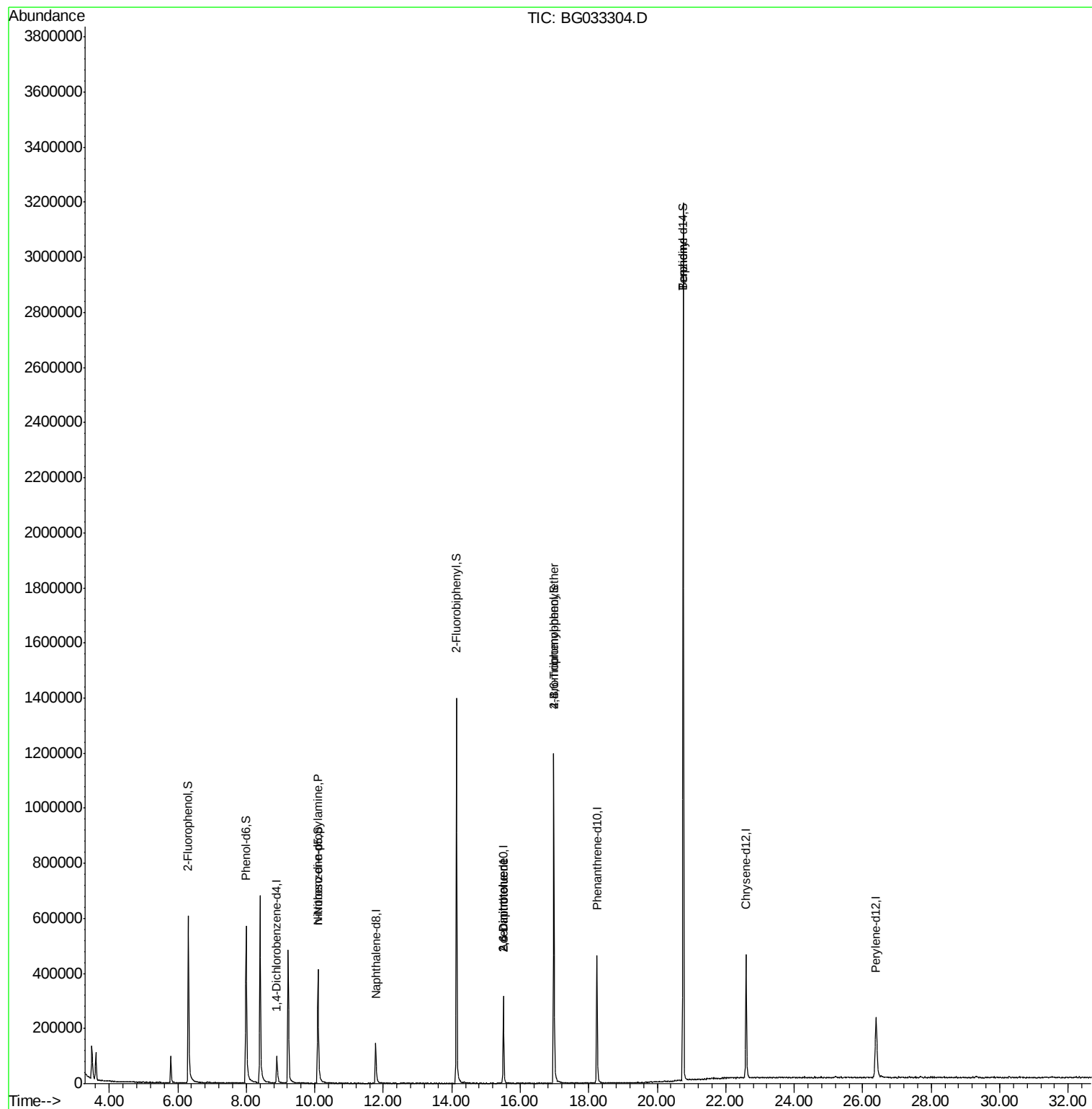
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	37267	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	151232	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	122271	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	335278	20.00	ng	0.00
75) Chrysene-d12	22.59	240	335291	20.00	ng	0.00
86) Perylene-d12	26.38	264	334603	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	305260	153.59	ng	0.00
7) Phenol-d6	7.99	99	422921	123.85	ng	0.00
23) Nitrobenzene-d5	10.09	82	331262	100.64	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	255195	139.55	ng	0.00
44) 2-Fluorobiphenyl	14.13	172	819019	96.70	ng	0.00
78) Terphenyl-d14	20.76	244	1608208	102.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	45067	18.010	ng	# 75
50) 2,6-Dinitrotoluene	15.51	165	15608	7.174	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	15608	4.872	ng	# 16
66) 4-Bromophenyl-phenylether	16.98	248	19119	4.856	ng	# 1
76) Benzidine	20.76	184	27797	3.057	ng	# 92

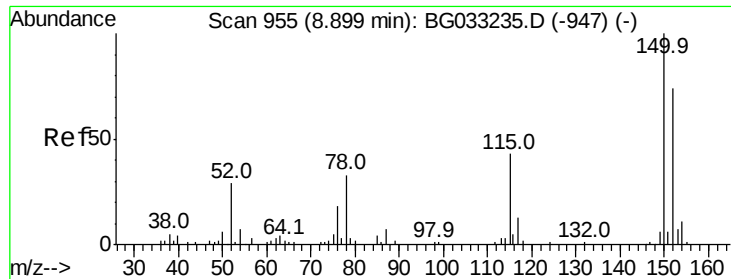
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032218\
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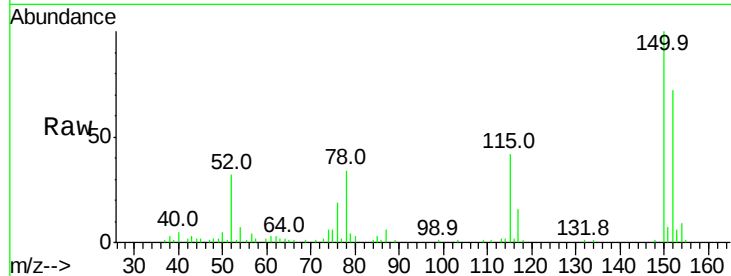


#1

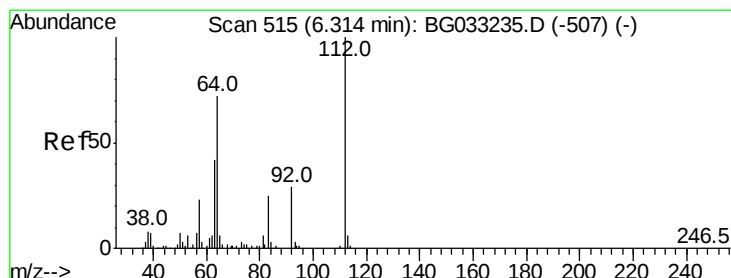
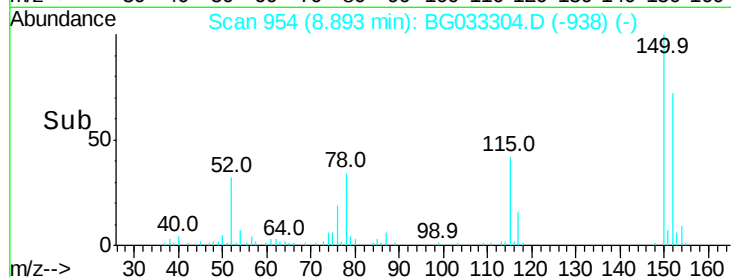
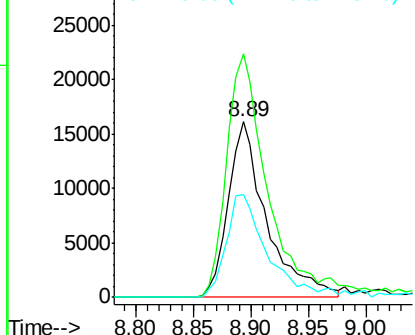
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033304.D
Acq: 22 Mar 2018 21:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37267
Ion Ratio Lower Upper
152 100
150 138.7 126.6 189.8
115 58.3 53.0 79.4



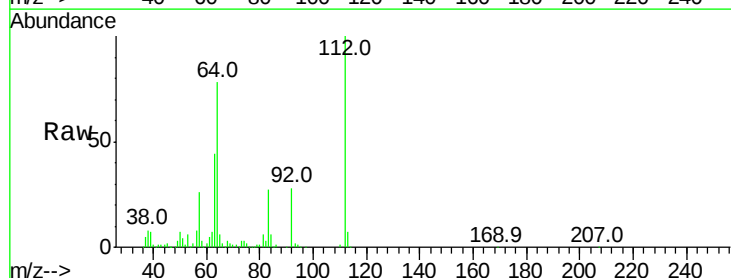
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



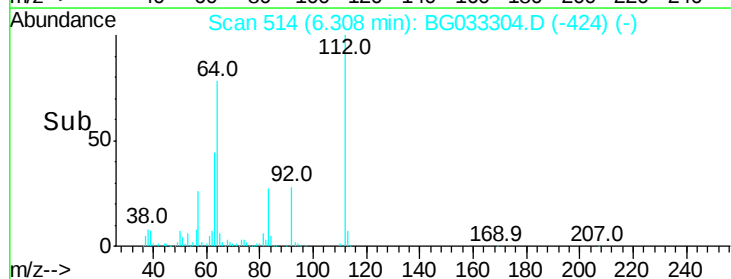
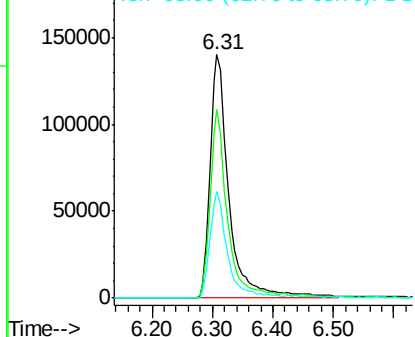
#5

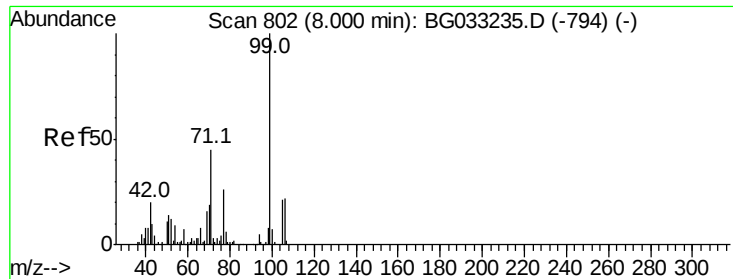
2-Fluorophenol
Concen: 153.594 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.00 min
Lab File: BG033304.D
Acq: 22 Mar 2018 21:05

Tgt Ion:112 Resp: 305260
Ion Ratio Lower Upper
112 100
64 77.7 56.3 84.5
63 43.8 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: 123.848 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

Instrument :

BNA_G

ClientSampleId :

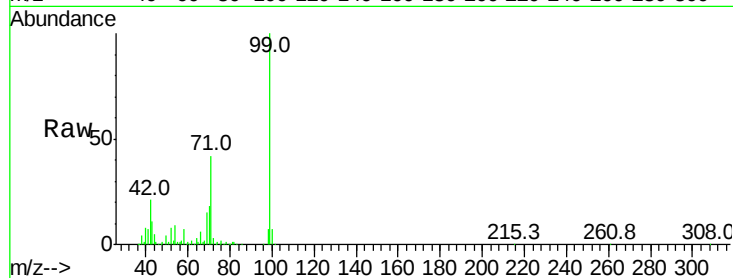
Tot Ion: 99 Resp: 422921

Ion Ratio Lower Upper

99 100

42 21.3 14.1 21.1#

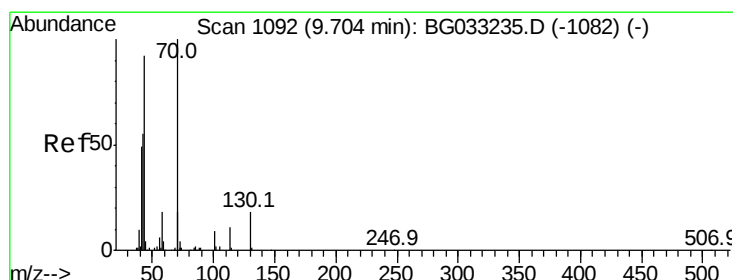
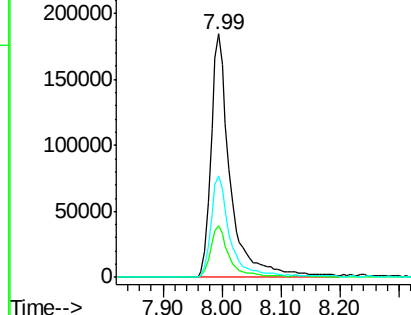
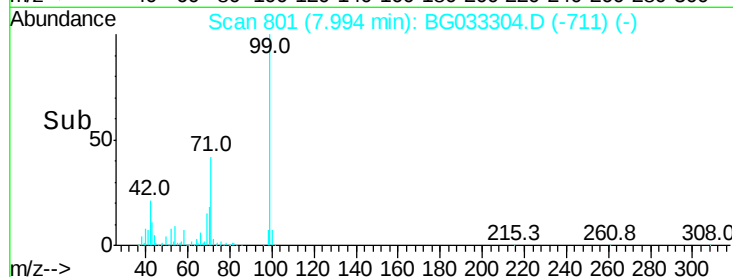
71 41.7 26.1 39.1#



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: 18.010 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.40 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

Tgt Ion: 70 Resp: 45067

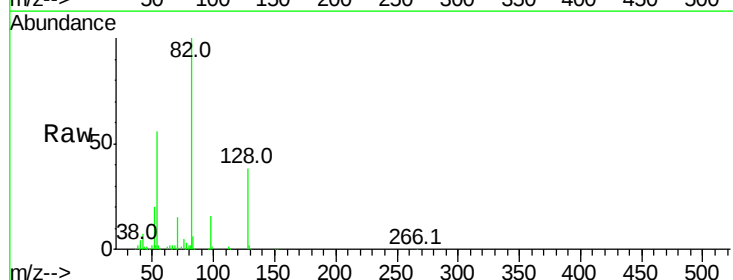
Ion Ratio Lower Upper

70 100

42 44.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

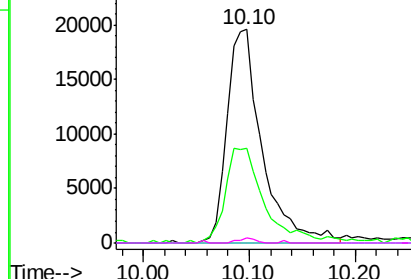
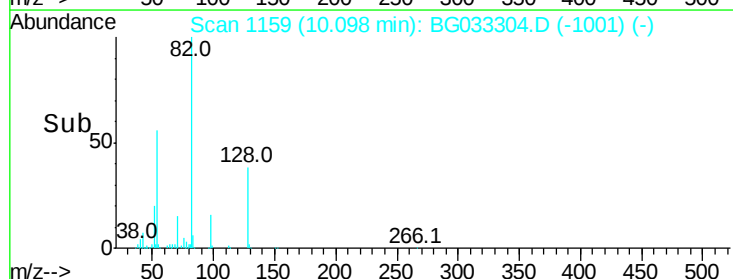


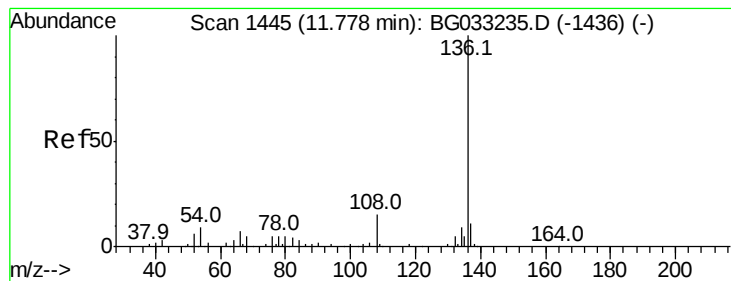
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.78 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BG033304.D

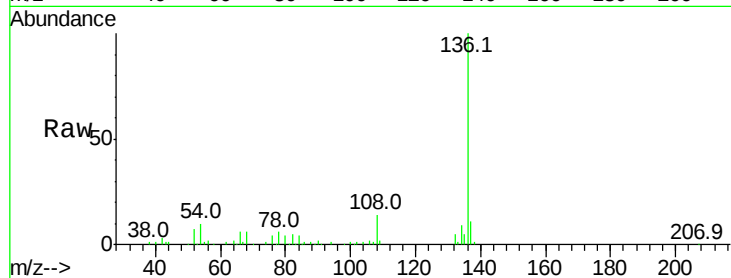
Acq: 22 Mar 2018 21:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	151232
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	9.9	10.3	15.5
68	6.0	4.5	6.7

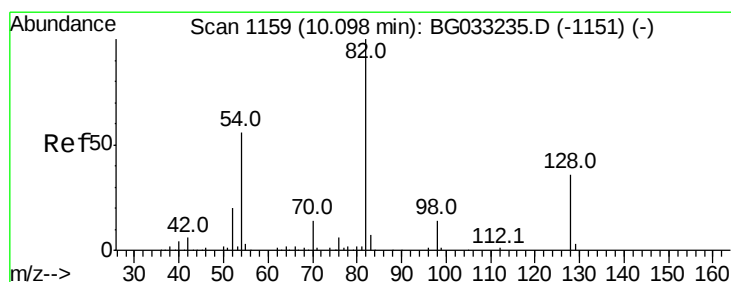
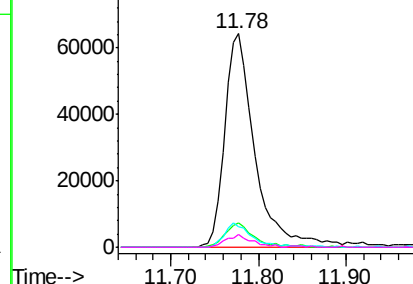
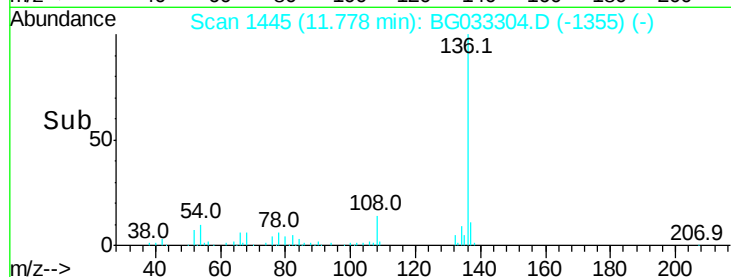


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.637 ng

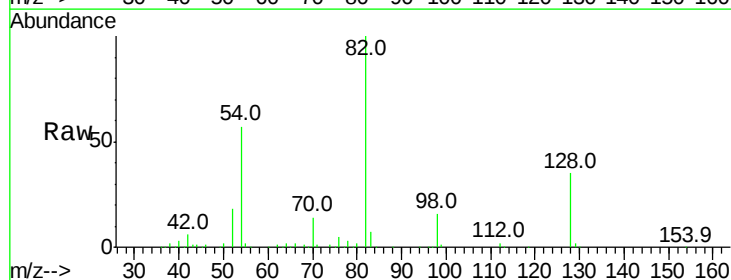
RT: 10.09 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

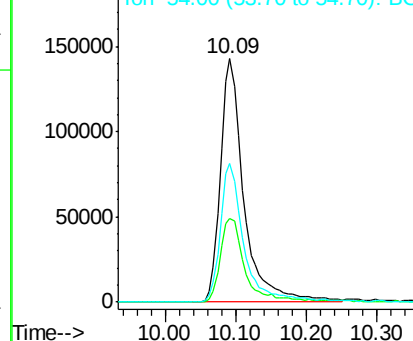
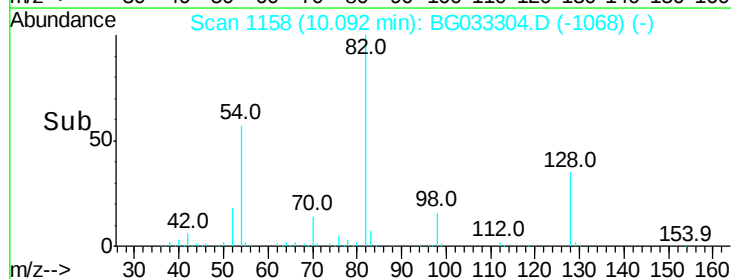
Tgt Ion:	82	Resp:	331262
Ion	Ratio	Lower	Upper
82	100		
128	34.5	29.7	44.5
54	56.9	43.1	64.7

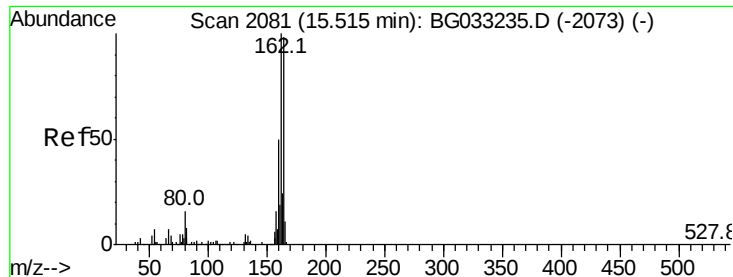


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG033304.D

Acq: 22 Mar 2018 21:05

Instrument :

BNA_G

ClientSampleId :

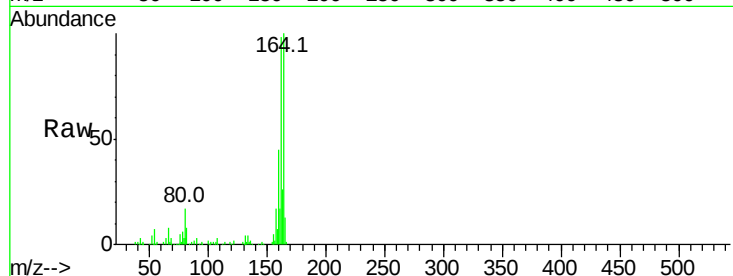
Tot Ion:164 Resp: 122271

Ion Ratio Lower Upper

164 100

162 97.8 78.8 118.2

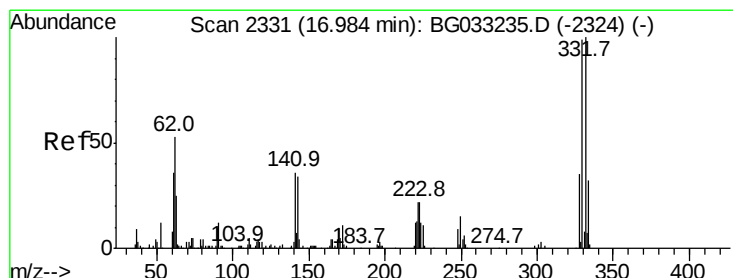
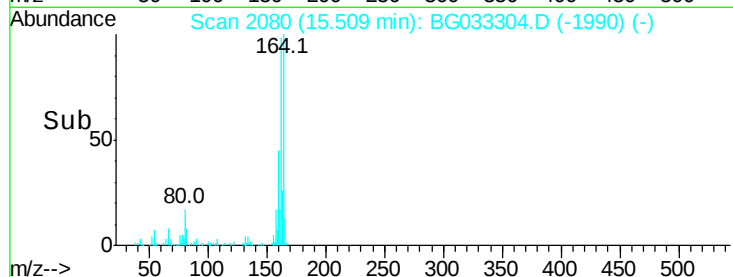
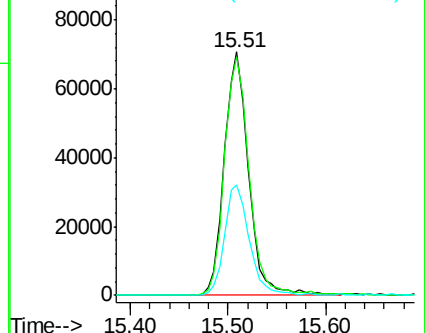
160 45.4 35.4 53.0



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: 139.550 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.00 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

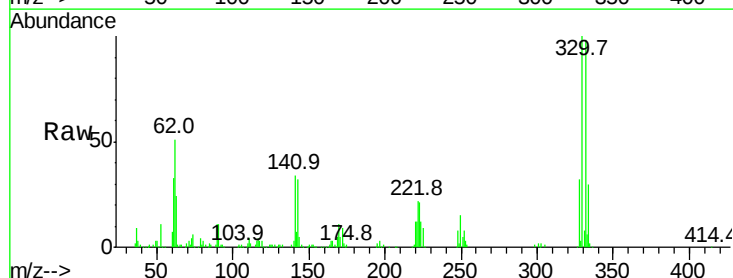
Tgt Ion:330 Resp: 255195

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

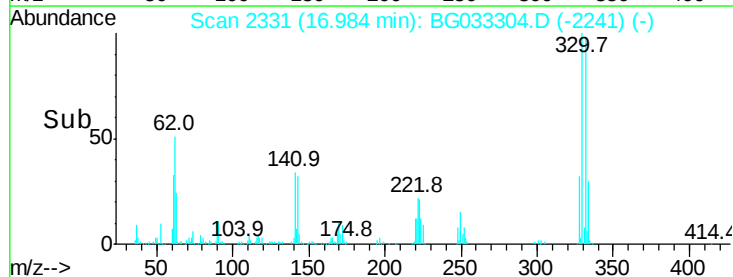
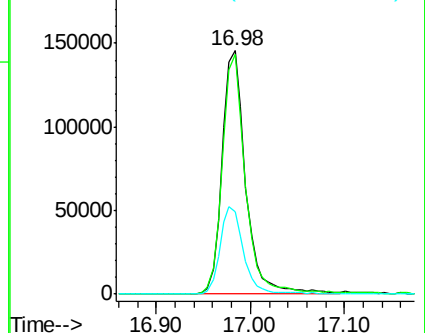
141 35.5 25.2 37.8

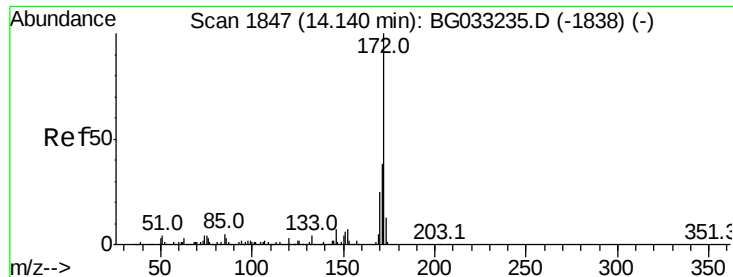


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 96.700 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

Instrument :

BNA_G

ClientSampleId :

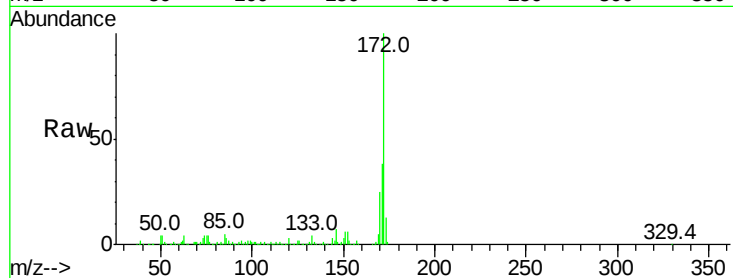
Tot Ion:172 Resp: 819019

Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	25.3	19.5	29.3

172 100

171 37.7 30.0 45.0

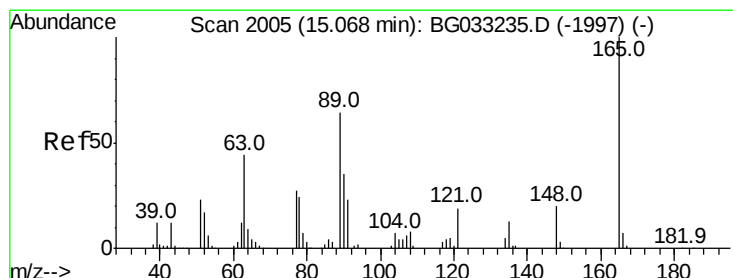
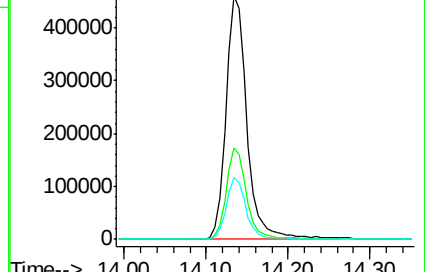
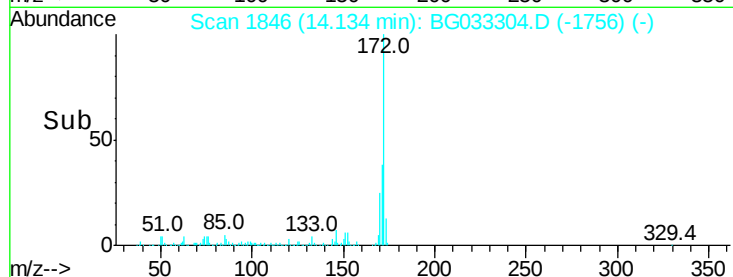
170 25.3 19.5 29.3



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: 7.174 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.44 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

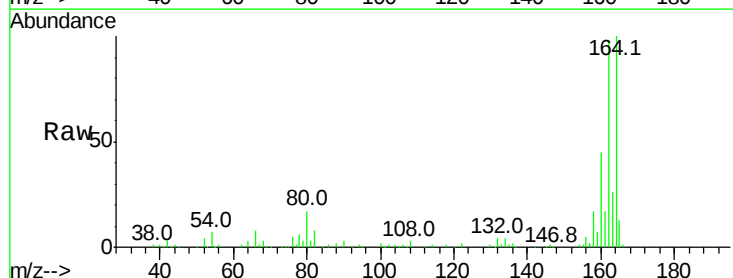
Tgt Ion:165 Resp: 15608

Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

165 100

63 0.0 52.7 79.1#

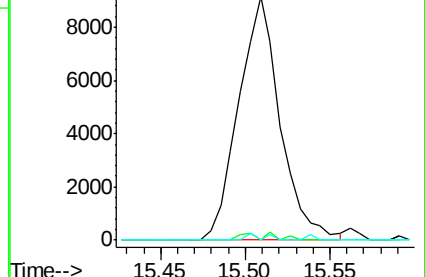
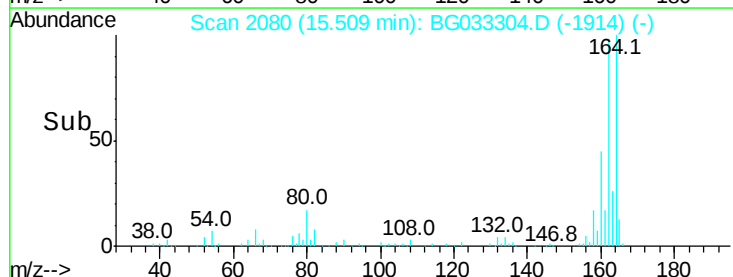
89 0.0 49.2 73.8#

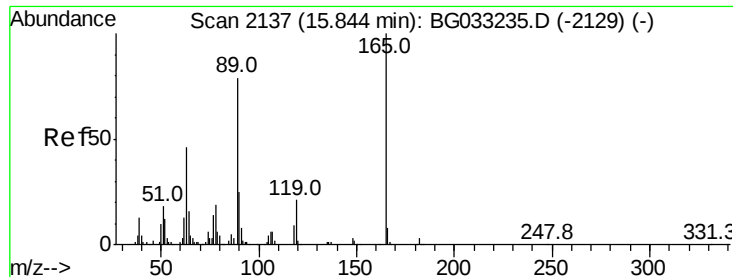


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#56

2,4-Dinitrotoluene

Concen: 4.872 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.34 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 15608

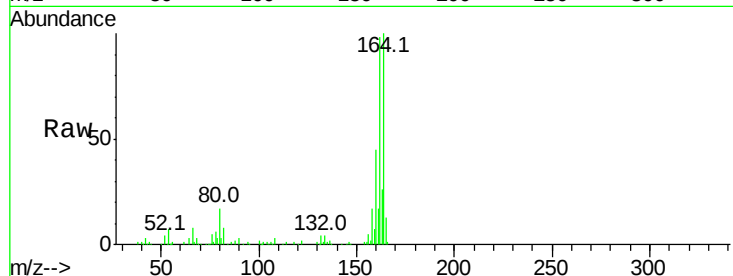
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

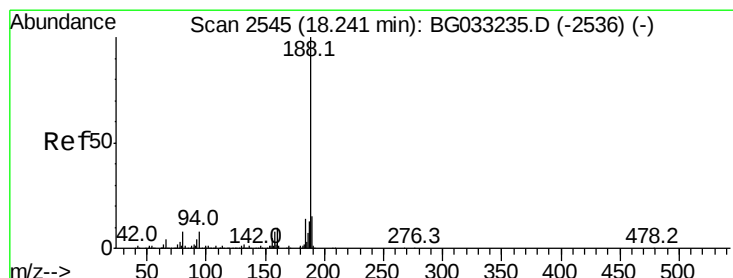
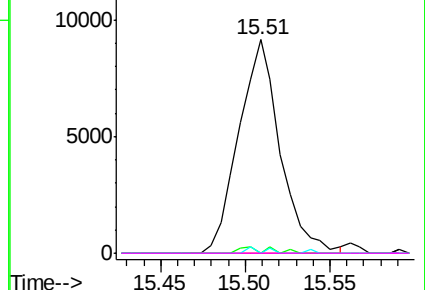
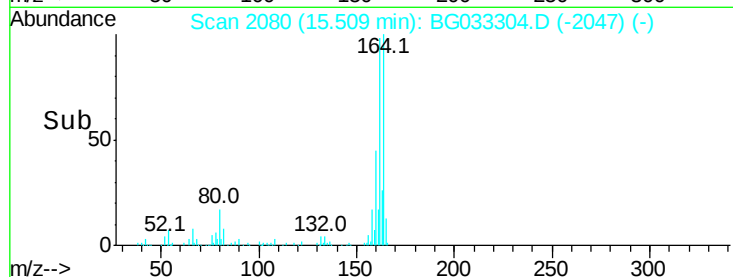


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG033304.D

Acq: 22 Mar 2018 21:05

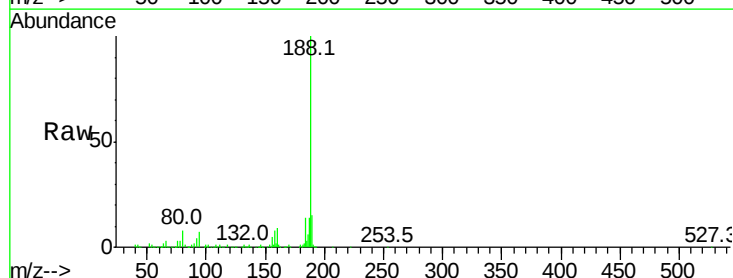
Tgt Ion:188 Resp: 335278

Ion Ratio Lower Upper

188 100

94 7.1 6.9 10.3

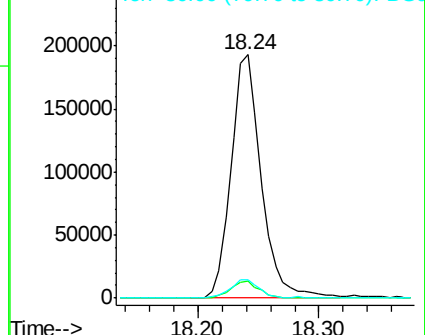
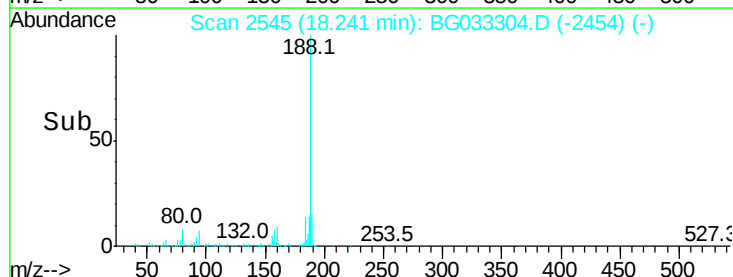
80 7.5 7.7 11.5#

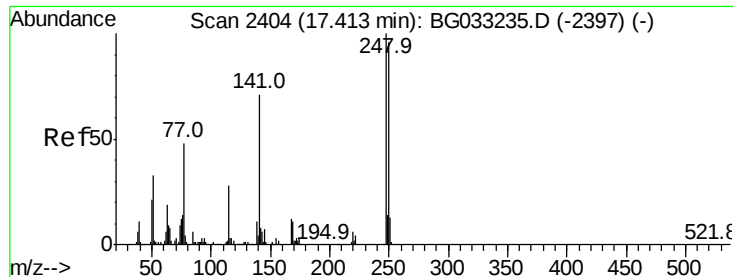


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

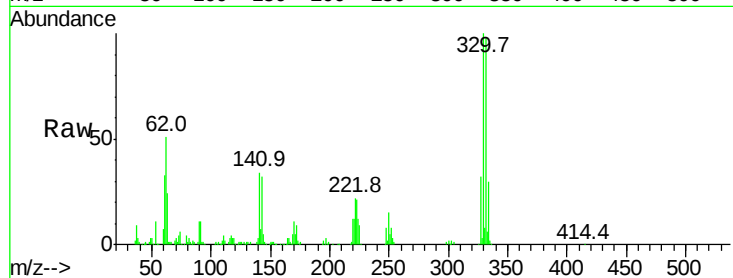




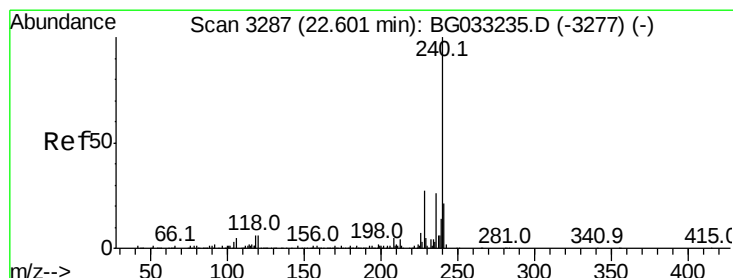
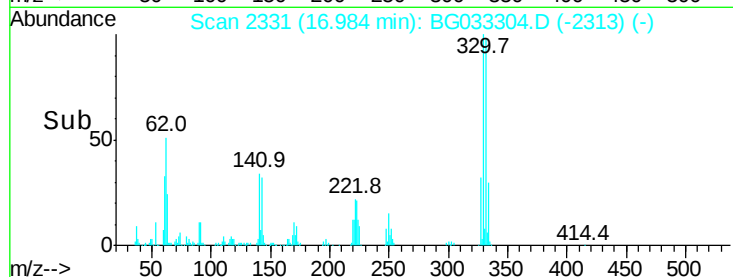
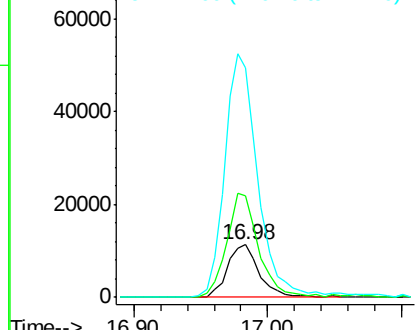
#66
4-Bromophenyl-phenylether
Concen: 4.856 ng
RT: 16.98 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033304.D
Acq: 22 Mar 2018 21:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19119
Ion Ratio Lower Upper
248 100
250 193.9 77.1 115.7#
141 436.2 50.8 76.2#

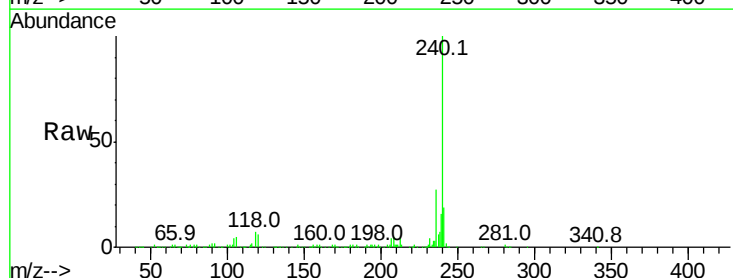


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

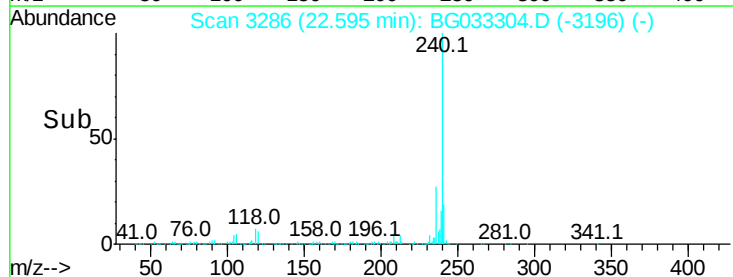
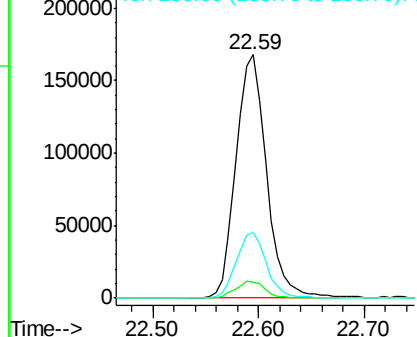


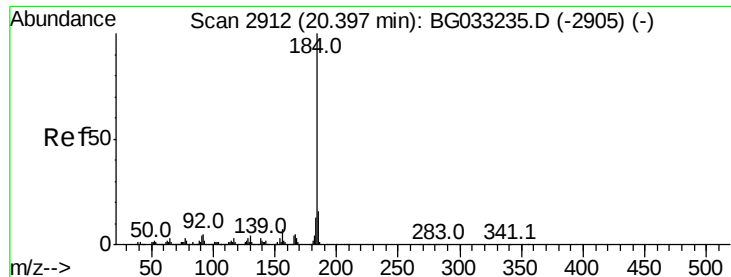
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.59 min Scan# 3286
Delta R.T. -0.00 min
Lab File: BG033304.D
Acq: 22 Mar 2018 21:05

Tgt Ion:240 Resp: 335291
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 27.1 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: 3.057 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

Instrument :

BNA_G

ClientSampleId :

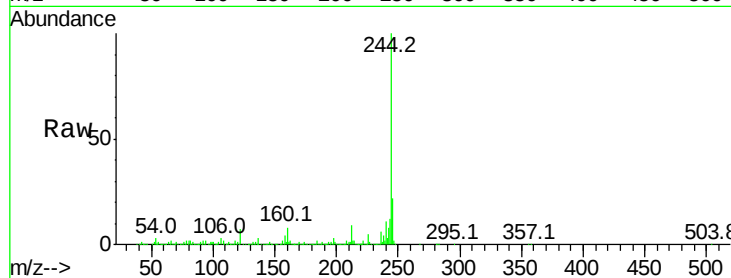
Tot Ion:184 Resp: 27797

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

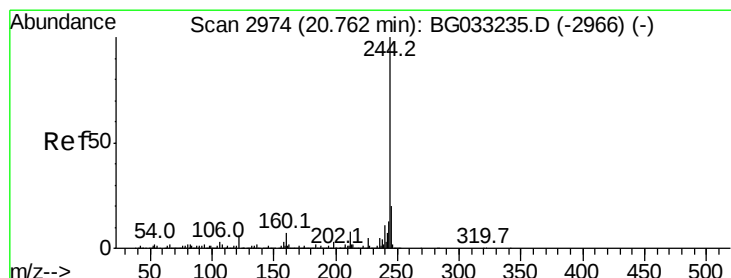
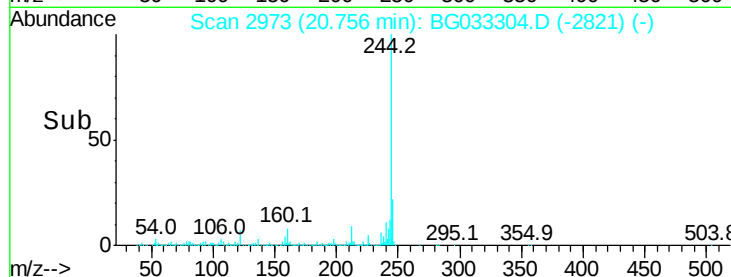
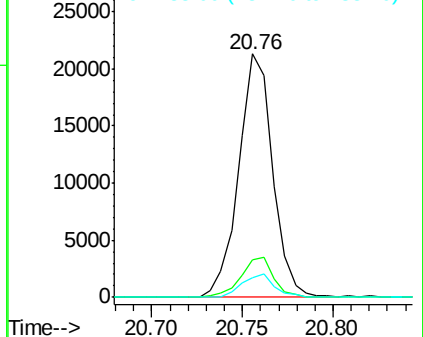
183 8.2 10.6 16.0#



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: 102.577 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG033304.D

Acq: 22 Mar 2018 21:05

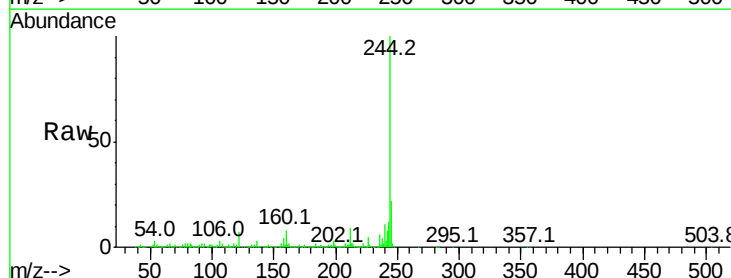
Tgt Ion:244 Resp: 1608208

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

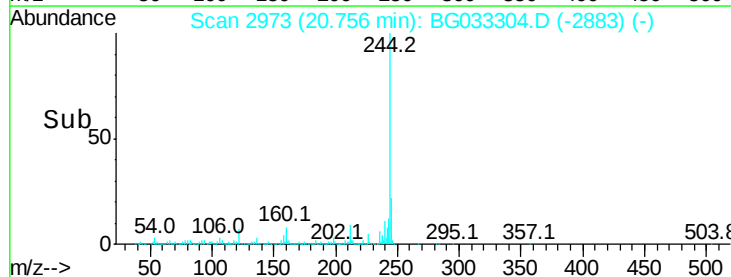
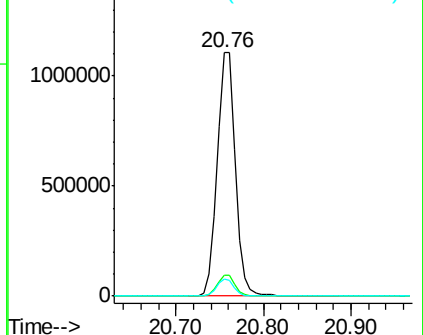
122 7.2 7.0 10.4

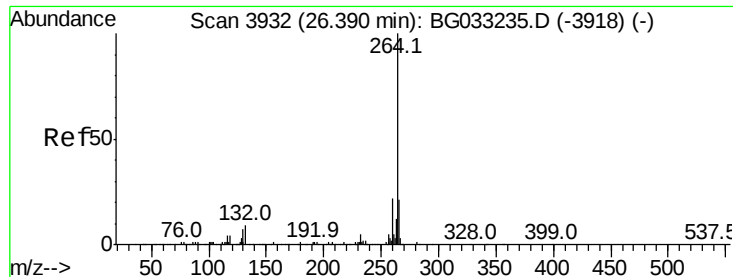


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.38 min Scan# 3931
 Delta R.T. -0.00 min
 Lab File: BG033304.D
 Acq: 22 Mar 2018 21:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	23.9	17.7	26.5

