

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032218\
 Data File : BG033321.D
 Acq On : 23 Mar 2018 12:13
 Operator : SJ/JU
 Sample : J1976-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 14:34:09 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

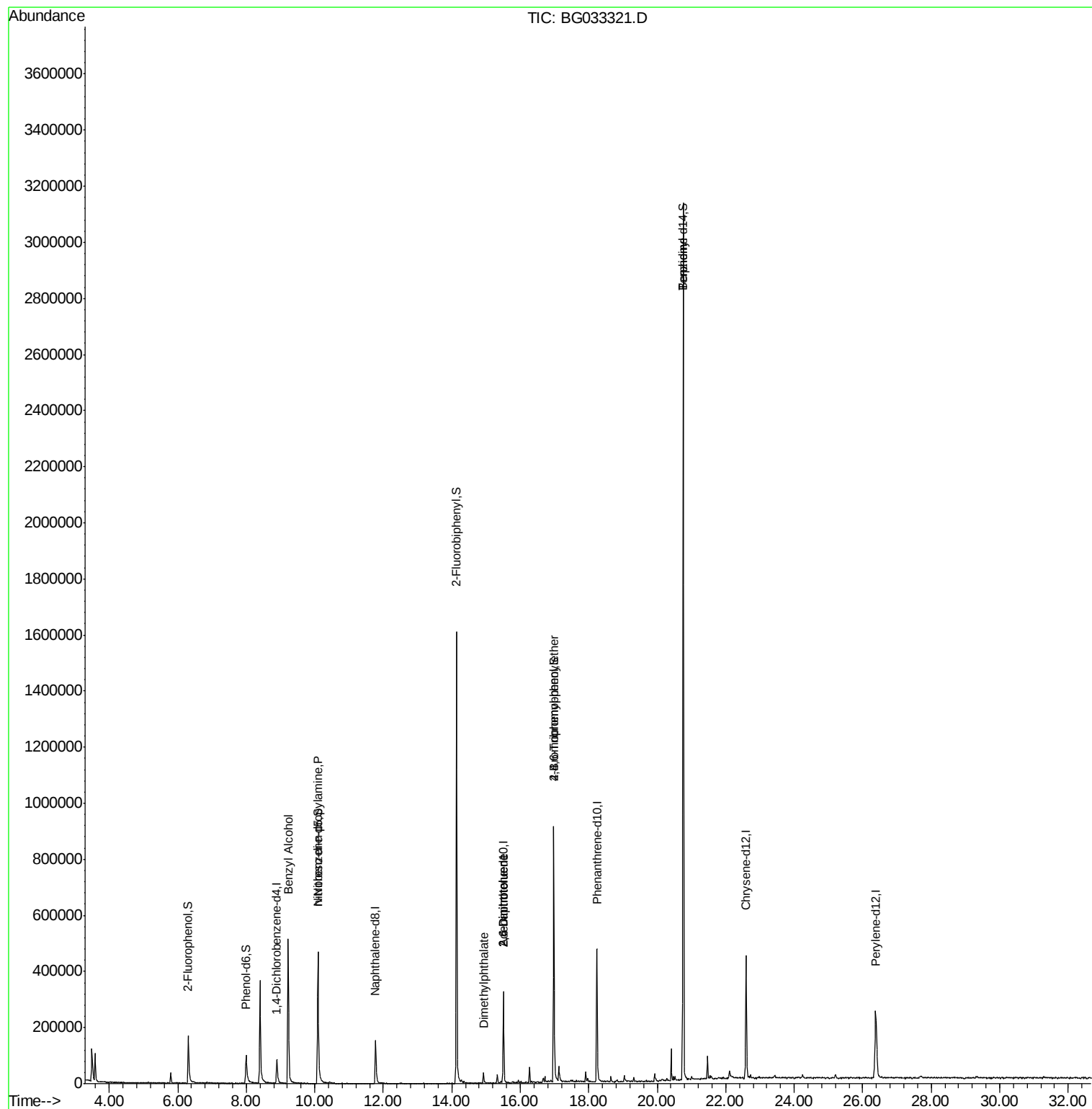
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	34940	20.00	ng	0.00
21) Naphthalene-d8	11.77	136	153529	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	128496	20.00	ng	0.00
63) Phenanthrene-d10	18.23	188	337541	20.00	ng	0.00
75) Chrysene-d12	22.59	240	335007	20.00	ng	0.00
86) Perylene-d12	26.38	264	346019	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	92873	49.84	ng	0.00
7) Phenol-d6	7.99	99	93938	29.34	ng	0.00
23) Nitrobenzene-d5	10.09	82	363769	108.86	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	194518	101.22	ng	0.00
44) 2-Fluorobiphenyl	14.13	172	932502	104.77	ng	0.00
78) Terphenyl-d14	20.76	244	1577684	100.72	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.22	79	5134	2.037	ng	# 36
19) n-Nitroso-di-n-propylamine	10.09	70	50483	21.519	ng	# 73
49) Dimethylphthalate	14.93	163	25246	2.258	ng	# 96
50) 2,6-Dinitrotoluene	15.51	165	16226	7.096	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	16226	4.820	ng	# 16
66) 4-Bromophenyl-phenylether	16.98	248	14498	3.657	ng	# 1
76) Benizidine	20.76	184	27538	3.031	ng	# 88

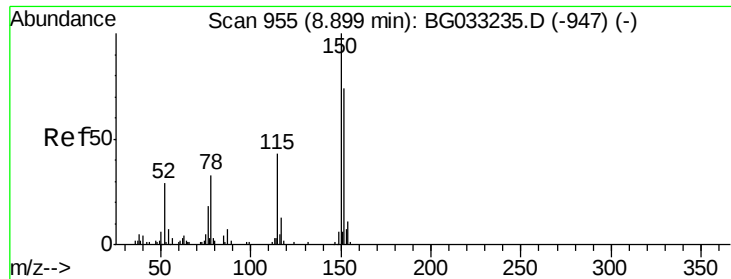
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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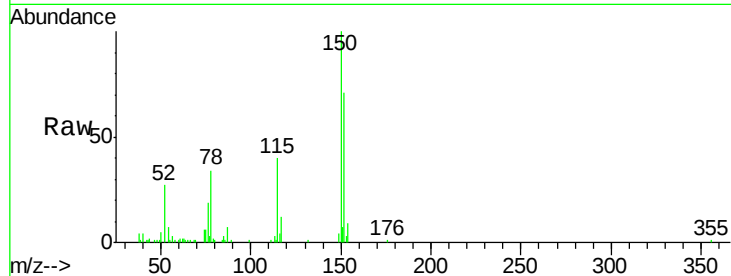


#1

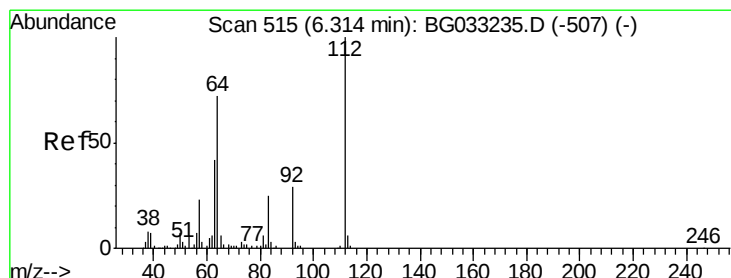
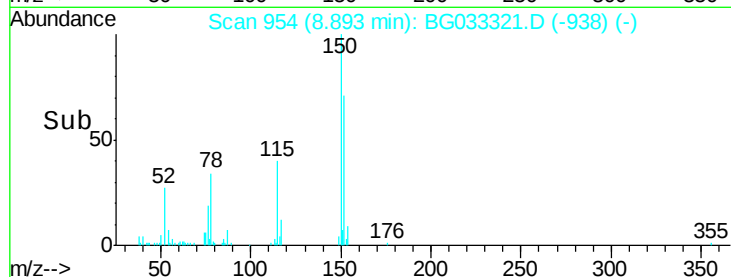
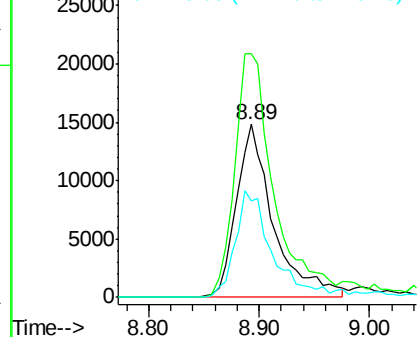
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.8	126.6	189.8
115	56.1	53.0	79.4



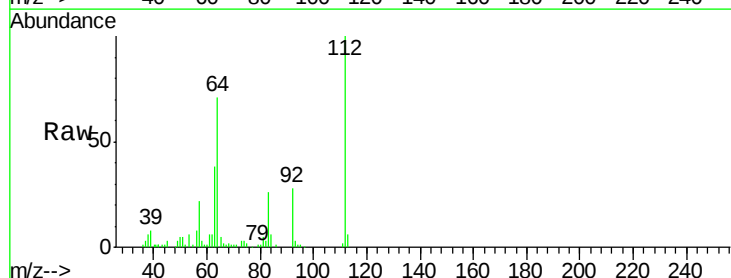
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



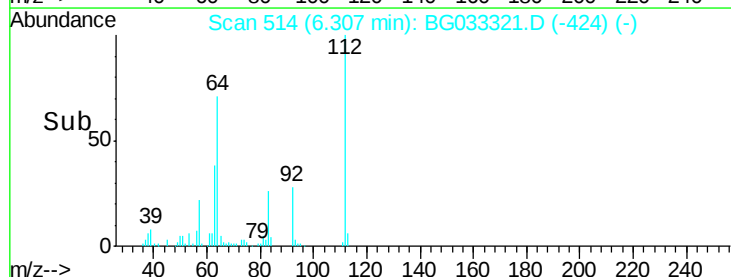
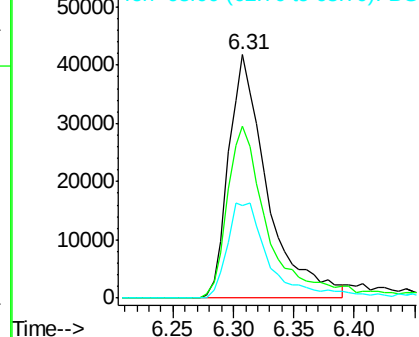
#5

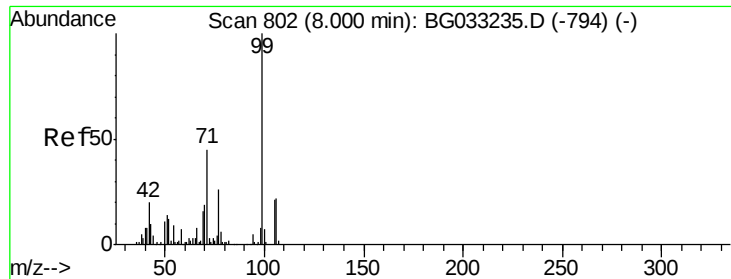
2-Fluorophenol
Concen: 49.842 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.00 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.3	84.5
63	38.1	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: 29.341 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

Instrument :

BNA_G

ClientSampleId :

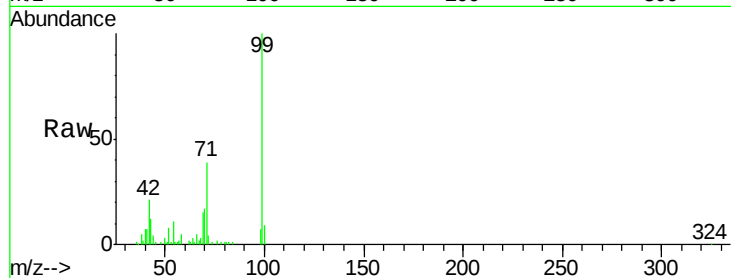
Tot Ion: 99 Resp: 93938

Ion Ratio Lower Upper

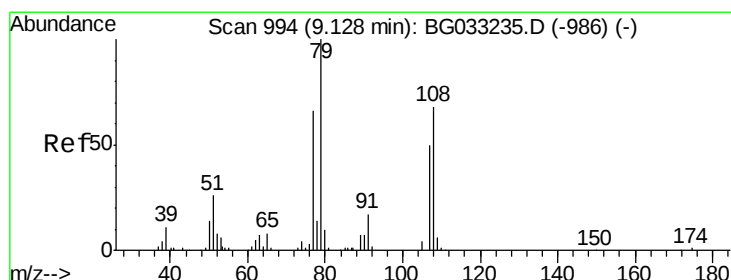
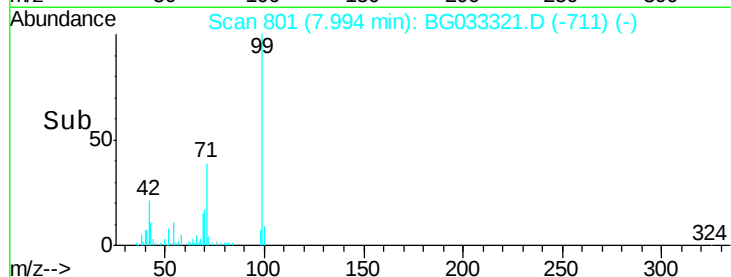
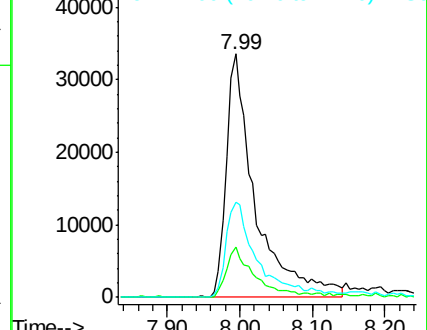
99 100

42 20.6 14.1 21.1

71 39.2 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



#15

Benzyl Alcohol

Concen: 2.037 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.10 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

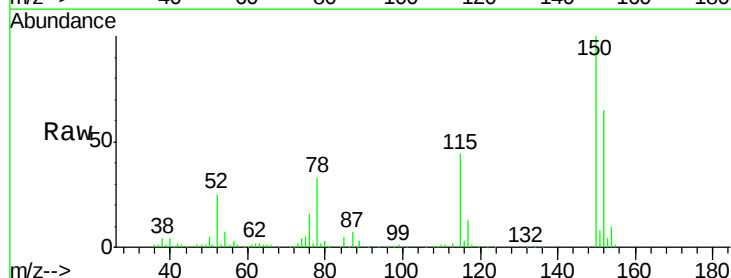
Tgt Ion: 79 Resp: 5134

Ion Ratio Lower Upper

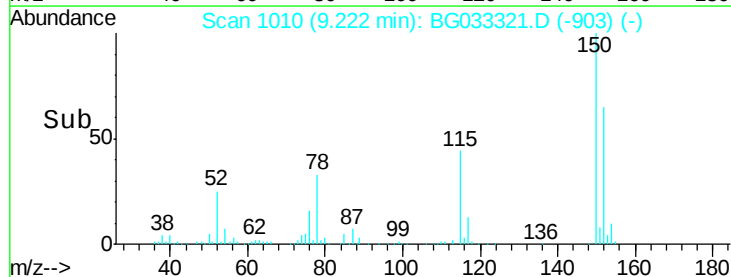
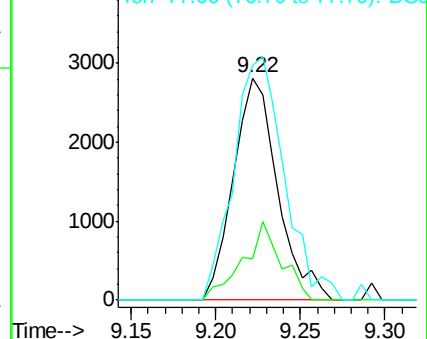
79 100

108 18.4 57.2 85.8#

77 105.4 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

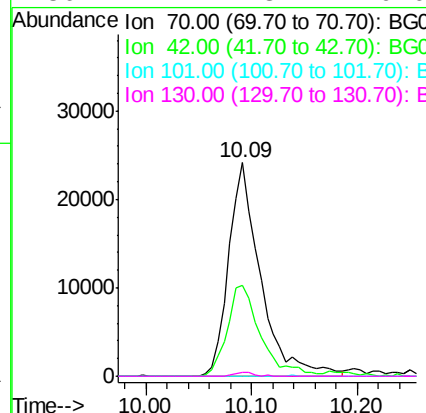
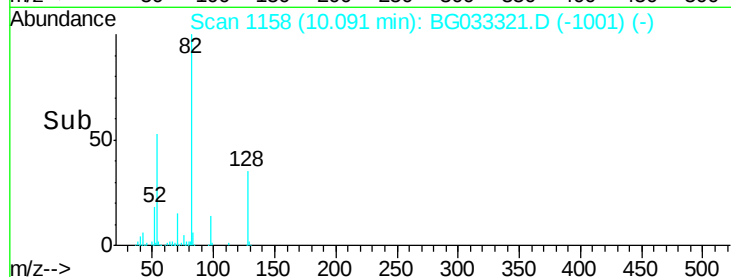
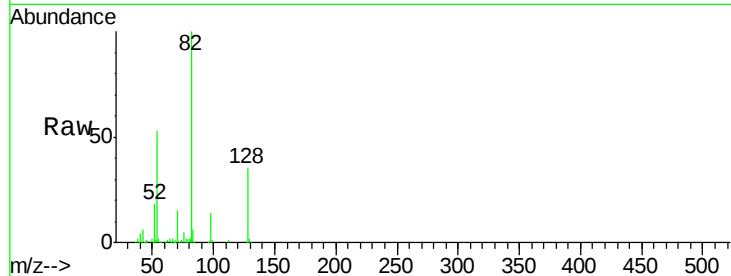




#19
n-Nitroso-di-n-propylamine
Concen: 21.519 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.39 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

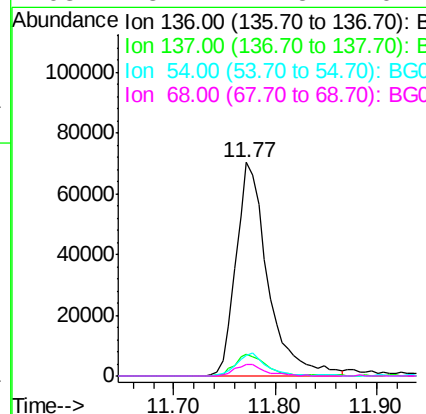
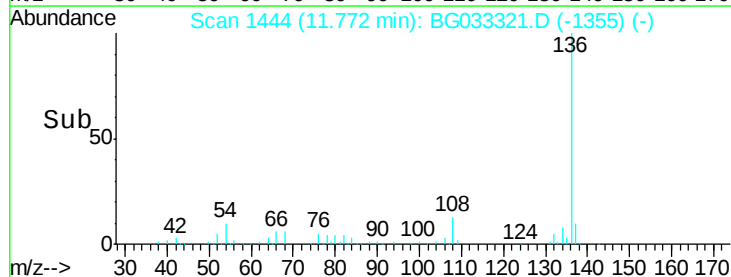
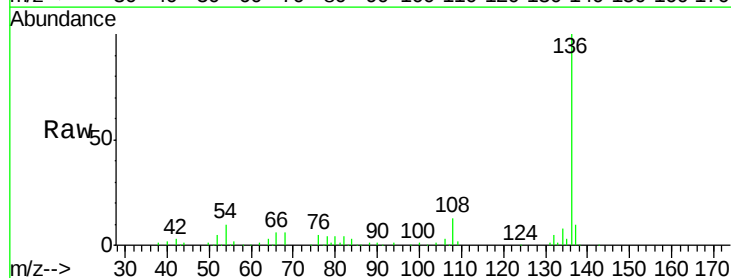
Instrument :
BNA_G
ClientSampleId :

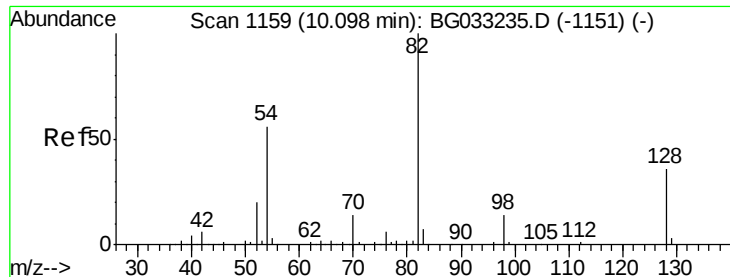
Tot Ion: 70 Resp: 50483
Ion Ratio Lower Upper
70 100
42 42.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.77 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

Tgt Ion: 136 Resp: 153529
Ion Ratio Lower Upper
136 100
137 10.1 9.2 13.8
54 9.9 10.3 15.5#
68 5.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 108.859 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

Instrument :

BNA_G

ClientSampleId :

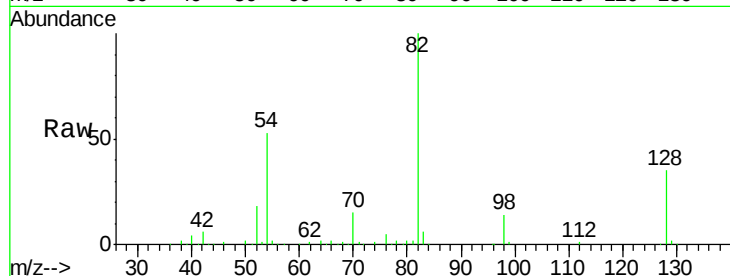
Tot Ion: 82 Resp: 363769

Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.7	44.5
54	53.1	43.1	64.7

82 100

128 35.2 29.7 44.5

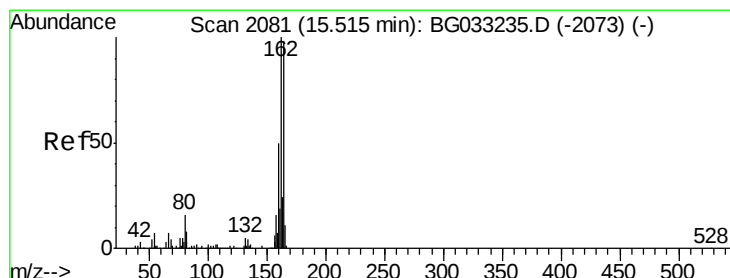
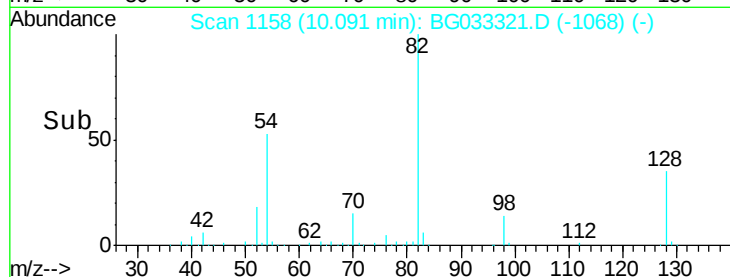
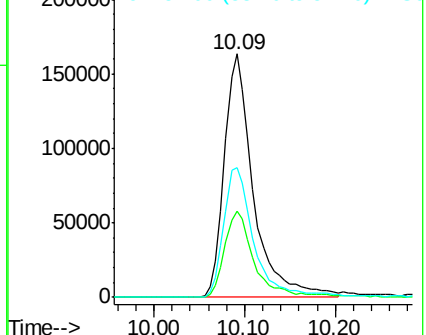
54 53.1 43.1 64.7



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: 15.51 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

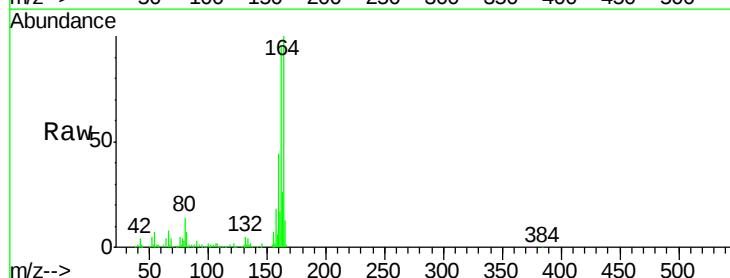
Tgt Ion: 164 Resp: 128496

Ion	Ratio	Lower	Upper
164	100		
162	95.5	78.8	118.2
160	44.4	35.4	53.0

164 100

162 95.5 78.8 118.2

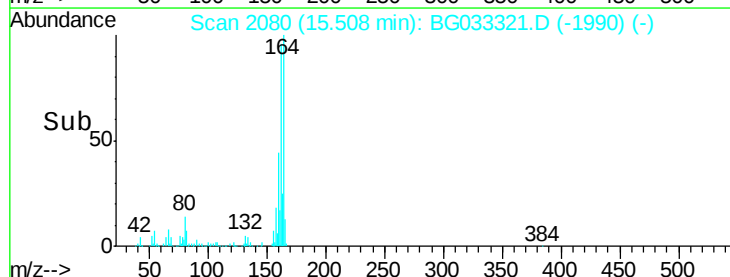
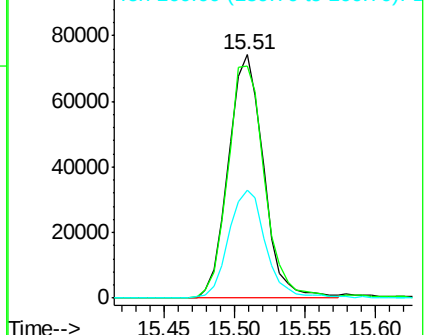
160 44.4 35.4 53.0

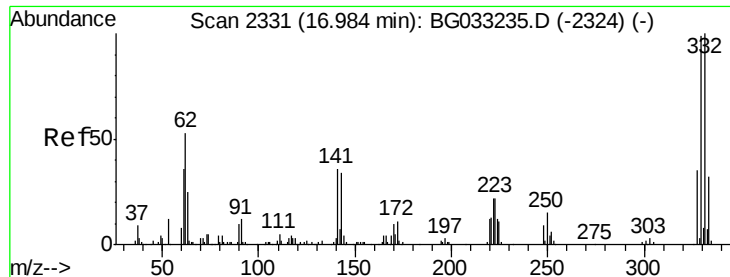


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 101.216 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.00 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

Instrument :

BNA_G

ClientSampleId :

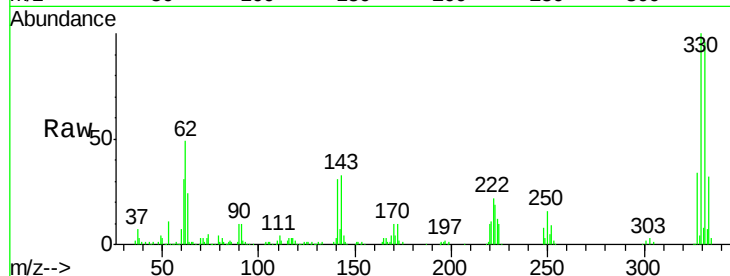
Tot Ion:330 Resp: 194518

Ion Ratio Lower Upper

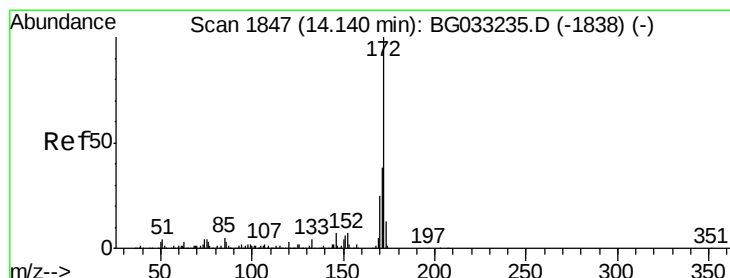
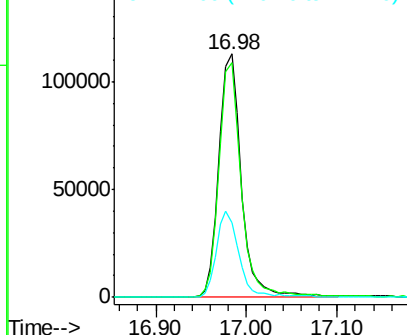
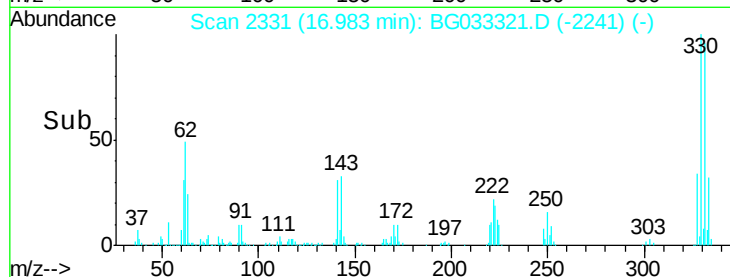
330 100

332 94.6 77.0 115.6

141 35.9 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: 104.765 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

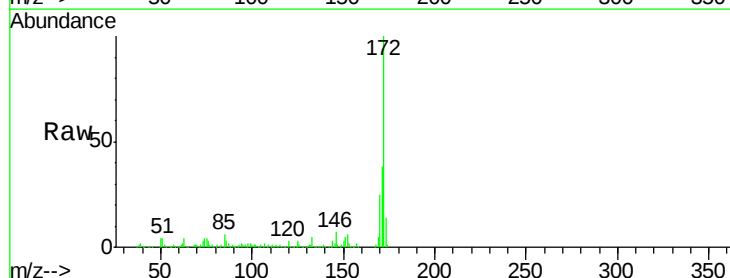
Tgt Ion:172 Resp: 932502

Ion Ratio Lower Upper

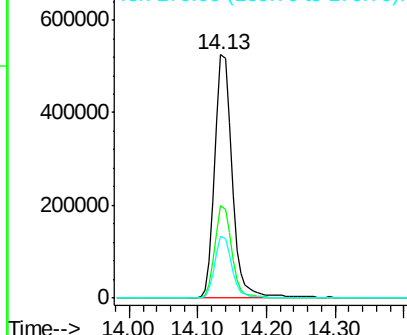
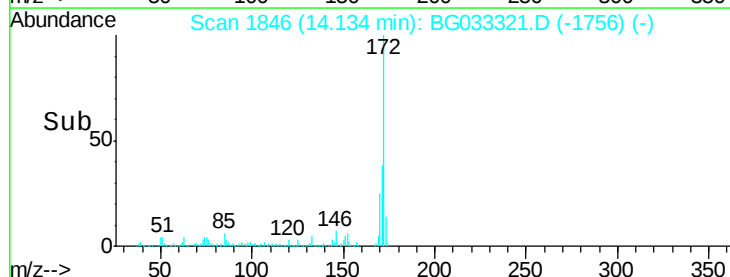
172 100

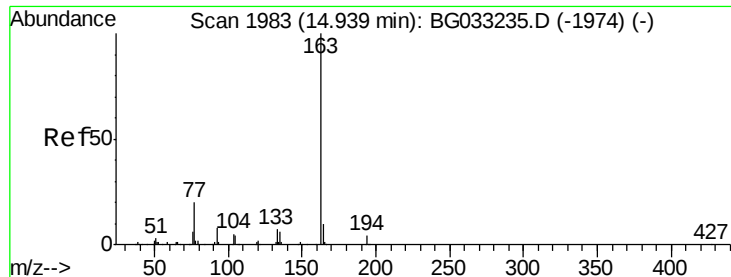
171 37.9 30.0 45.0

170 25.4 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





#49

Dimethylphthalate

Concen: 2.258 ng

RT: 14.93 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

Instrument :

BNA_G

ClientSampleId :

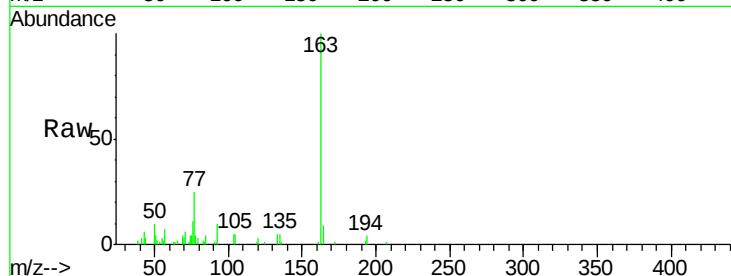
Tot Ion:163 Resp: 25246

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

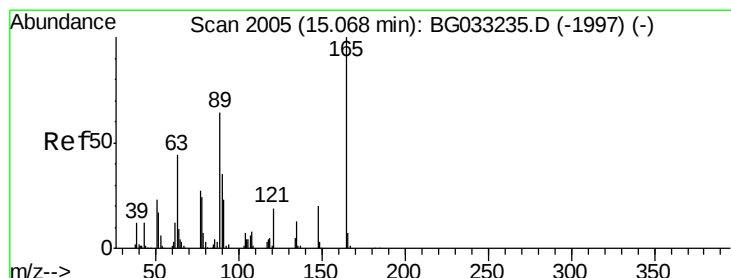
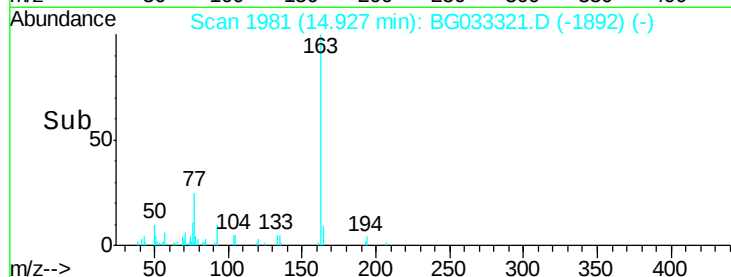
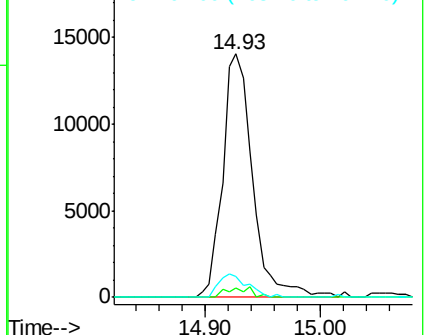
164 8.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.096 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.44 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

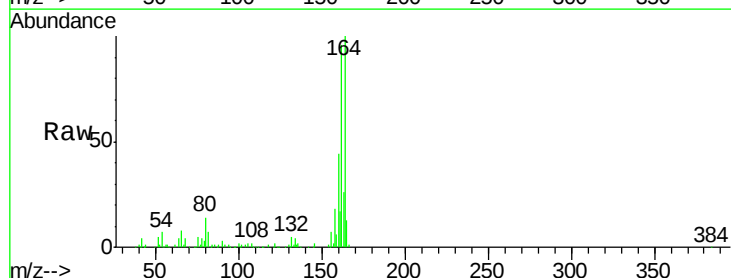
Tgt Ion:165 Resp: 16226

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

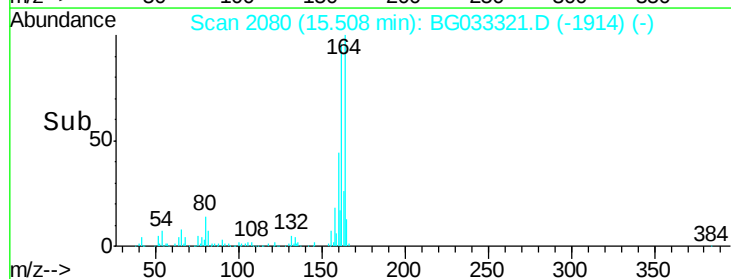
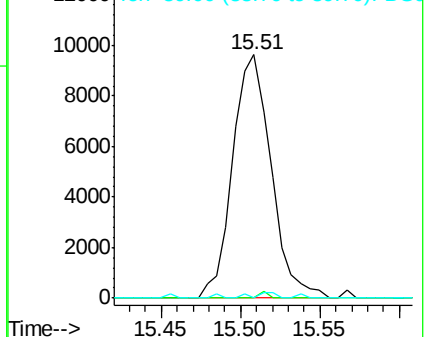
89 0.0 49.2 73.8#

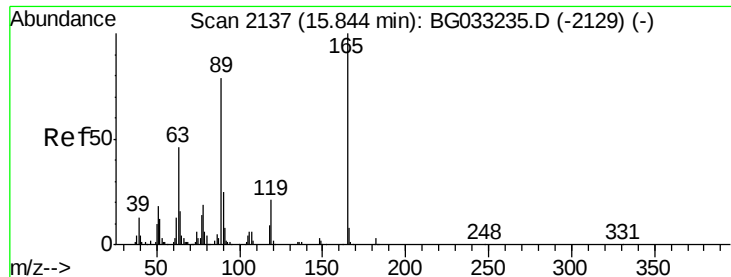


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

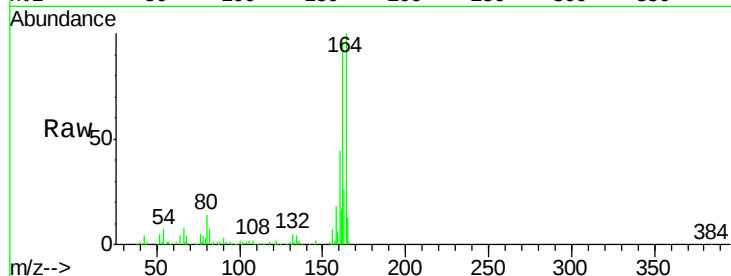




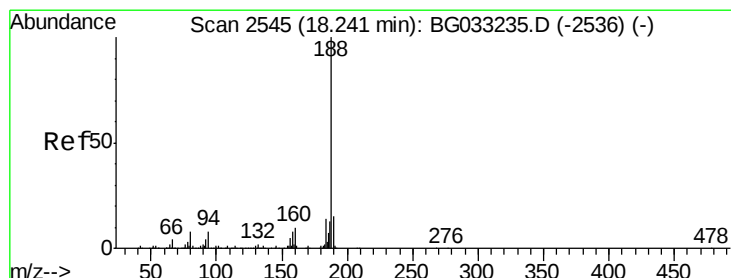
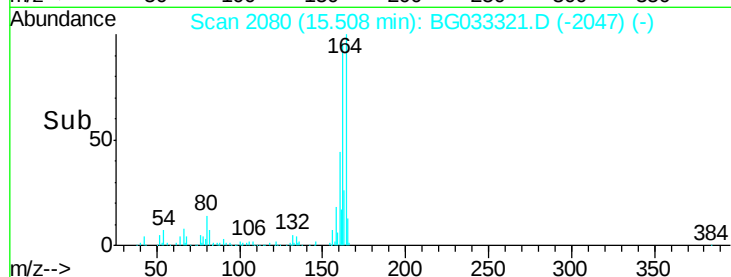
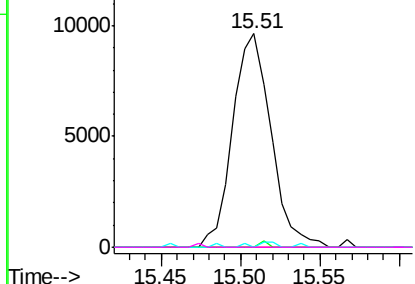
#56
2,4-Dinitrotoluene
Concen: 4.820 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16226
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#

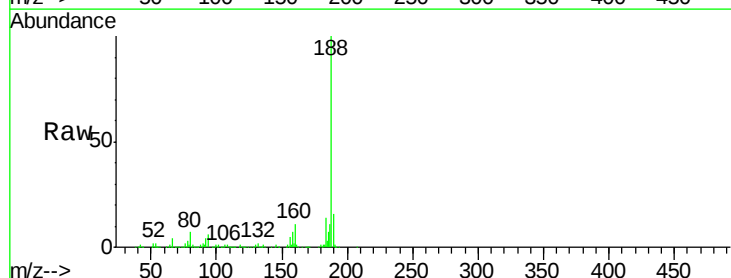


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

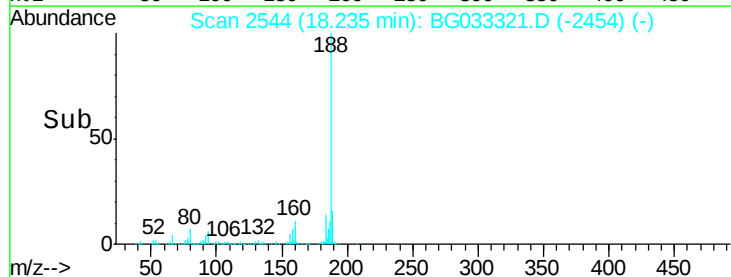
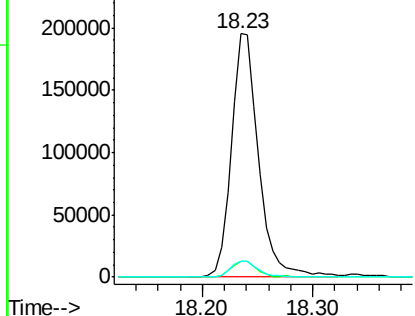


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.23 min Scan# 2544
Delta R.T. -0.00 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

Tgt Ion:188 Resp: 337541
Ion Ratio Lower Upper
188 100
94 6.3 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

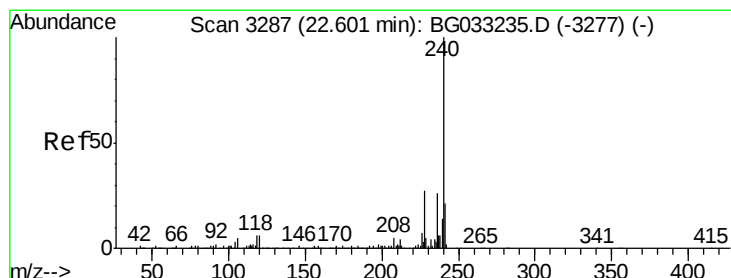
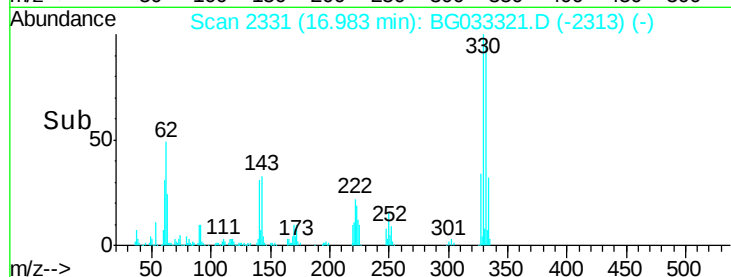
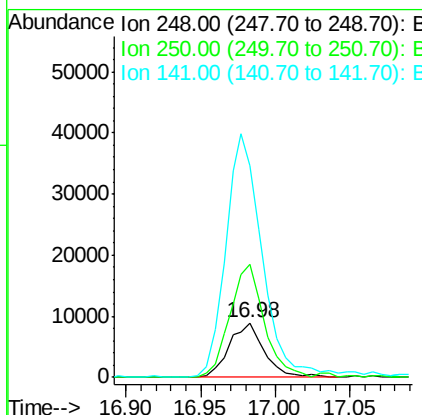
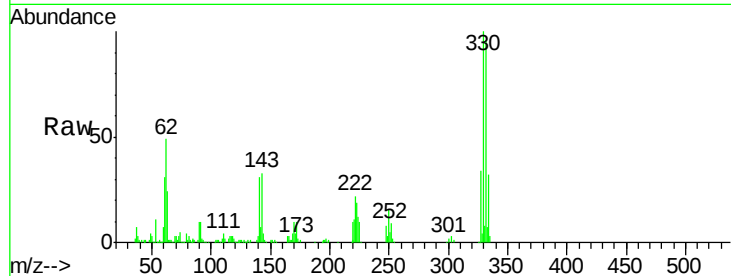




#66
4-Bromophenyl-phenylether
Concen: 3.657 ng
RT: 16.98 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

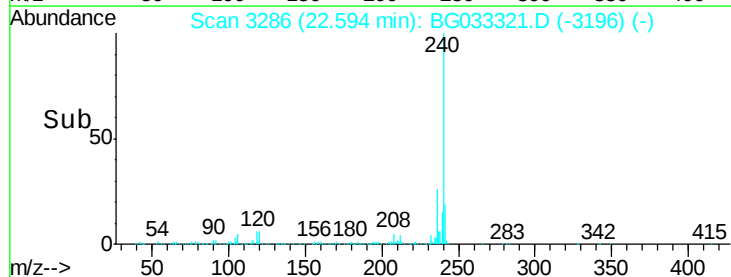
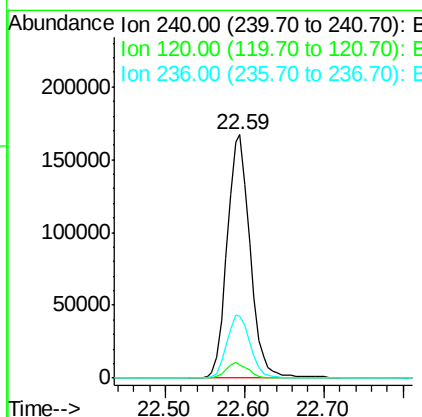
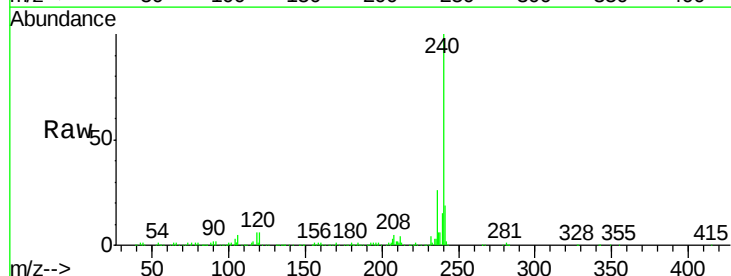
Instrument :
BNA_G
ClientSampleId :

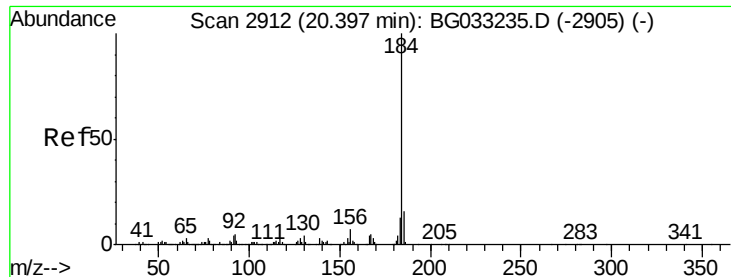
Tot Ion:248 Resp: 14498
Ion Ratio Lower Upper
248 100
250 208.5 77.1 115.7#
141 387.7 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.59 min Scan# 3286
Delta R.T. -0.00 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

Tgt Ion:240 Resp: 335007
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 25.6 20.9 31.3





#76

Benzidine

Concen: 3.031 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

Instrument :

BNA_G

ClientSampleId :

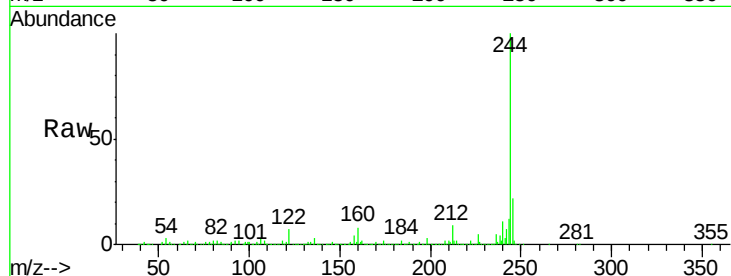
Tot Ion:184 Resp: 27538

Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

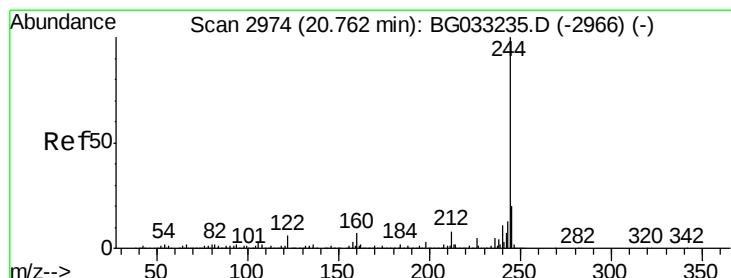
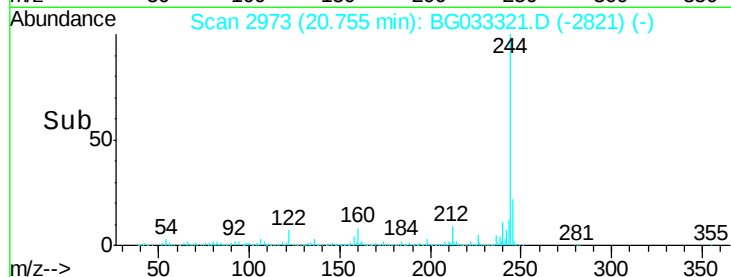
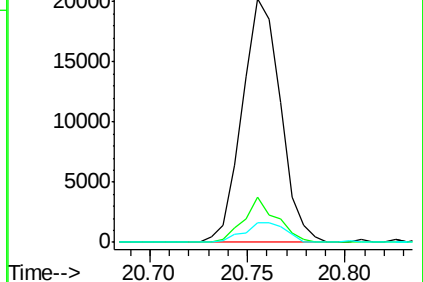
183 8.3 10.6 16.0#



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: 100.716 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG033321.D

Acq: 23 Mar 2018 12:13

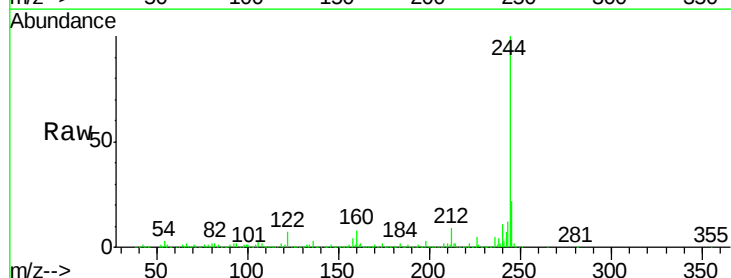
Tgt Ion:244 Resp: 1577684

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

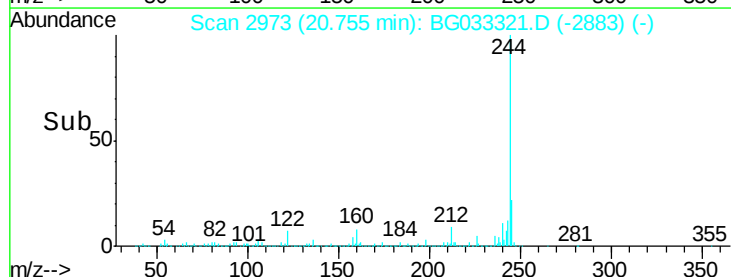
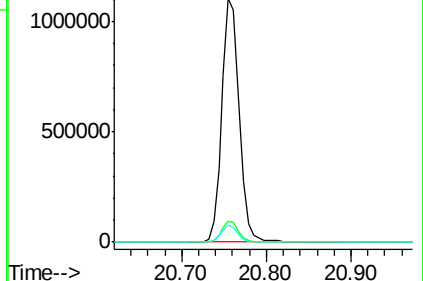
122 7.2 7.0 10.4

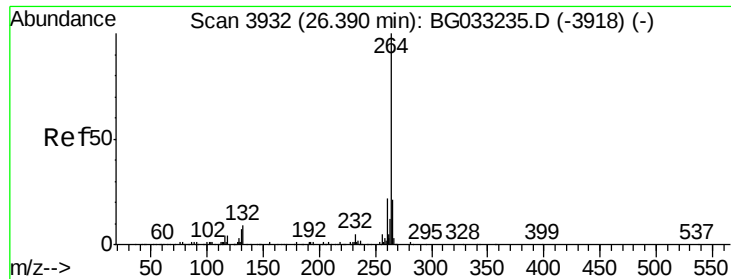


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3930
Delta R.T. -0.01 min
Lab File: BG033321.D
Acq: 23 Mar 2018 12:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	20.0	17.7	26.5

