

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033533.D
 Acq On : 3 Apr 2018 19:43
 Operator : SJ/JU
 Sample : PB107894TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 02:31:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 14:50:26 2018
 Response via : Initial Calibration

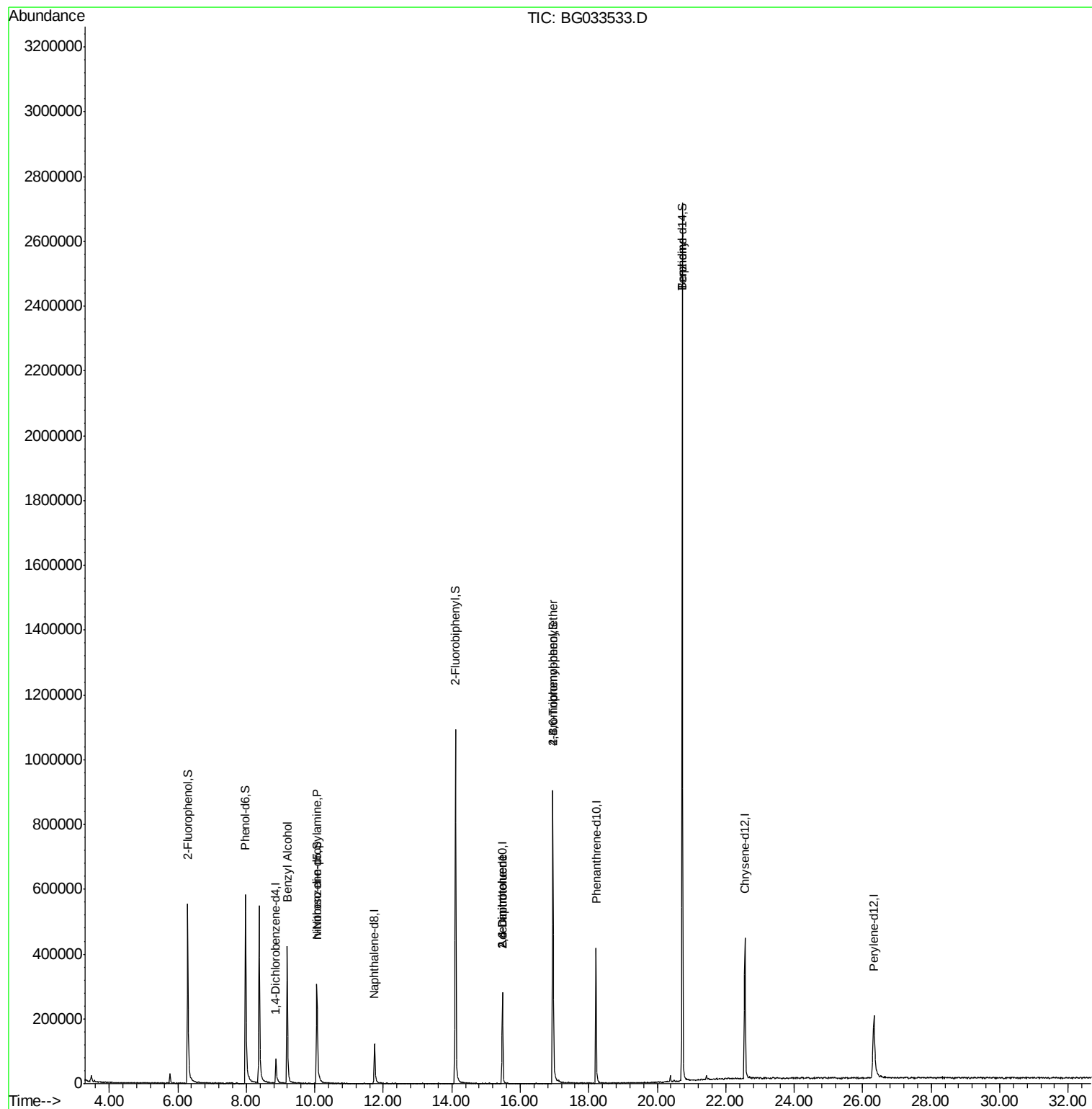
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	30434	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	132890	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	107228	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	301591	20.00	ng	0.00
75) Chrysene-d12	22.56	240	324139	20.00	ng	0.00
86) Perylene-d12	26.32	264	322518	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	266340	164.10	ng	0.00
7) Phenol-d6	7.98	99	415734	149.08	ng	0.00
23) Nitrobenzene-d5	10.06	82	257524	89.03	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	187366	116.83	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	659023	88.73	ng	0.00
78) Terphenyl-d14	20.73	244	1360205	89.74	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4486	2.043	ng	# 39
19) n-Nitroso-di-n-propylamine	10.06	70	32482	15.896	ng	# 84
50) 2,6-Dinitrotoluene	15.48	165	12994	6.810	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	12994	4.625	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	13437	3.794	ng	# 1
76) Benzidine	20.73	184	22470	2.556	ng	# 94

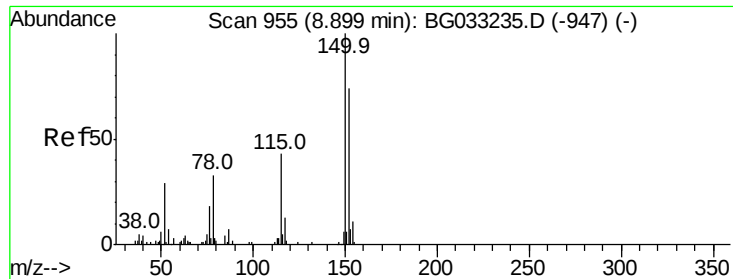
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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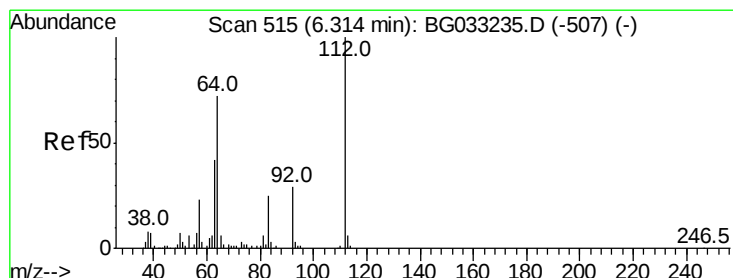
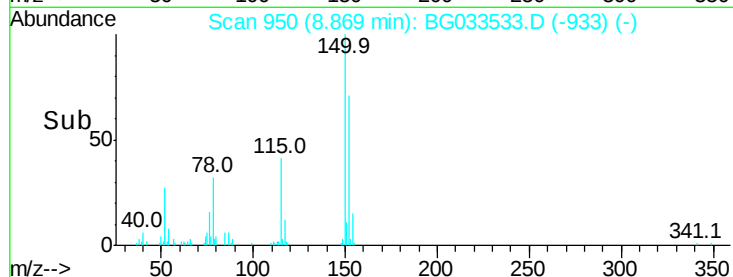
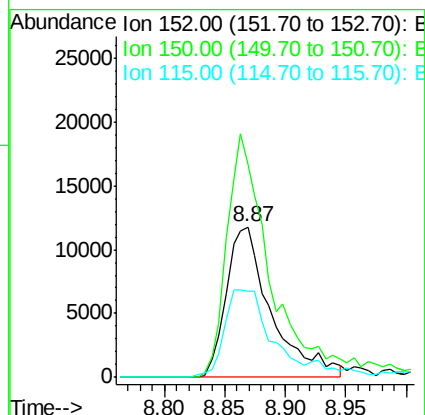
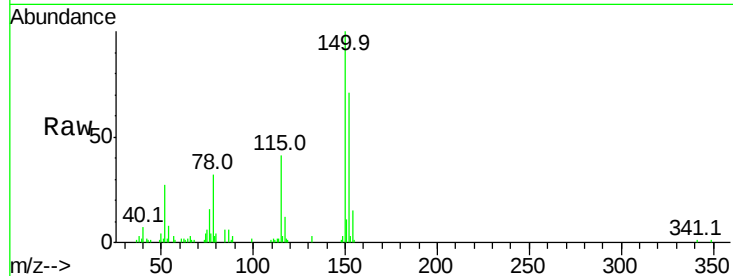


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.00 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

Instrument :
BNA_G
ClientSampled :

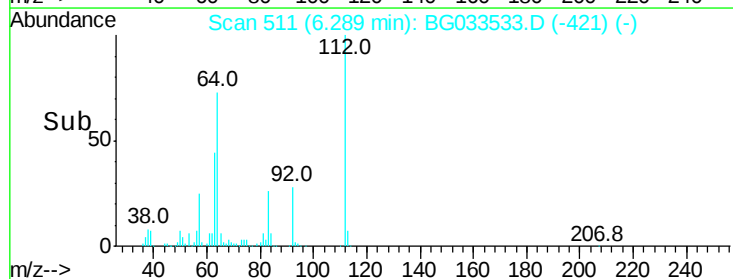
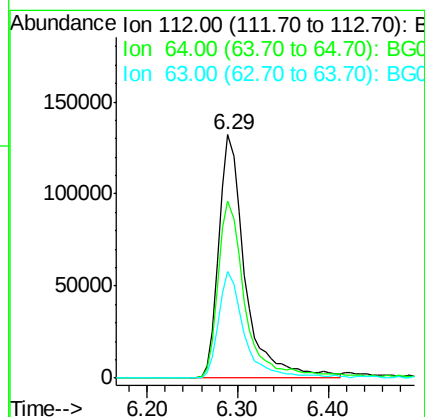
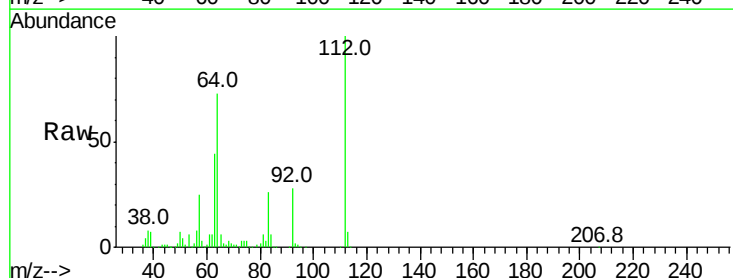
Tot Ion:152 Resp: 30434
Ion Ratio Lower Upper
152 100
150 141.4 126.6 189.8
115 57.4 53.0 79.4

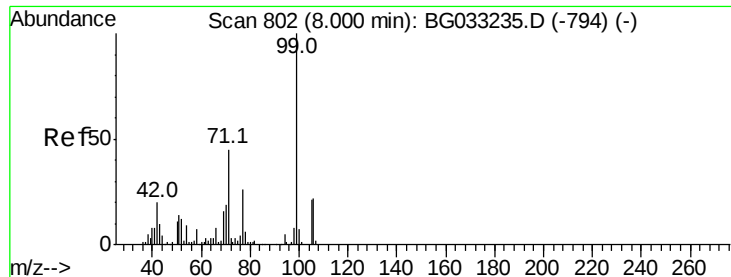


#5

2-Fluorophenol
Concen: 164.099 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.00 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

Tgt Ion:112 Resp: 266340
Ion Ratio Lower Upper
112 100
64 72.6 56.3 84.5
63 43.6 30.1 45.1





#7

Phenol-d6

Concen: 149.077 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.01 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

Instrument :

BNA_G

ClientSampleId :

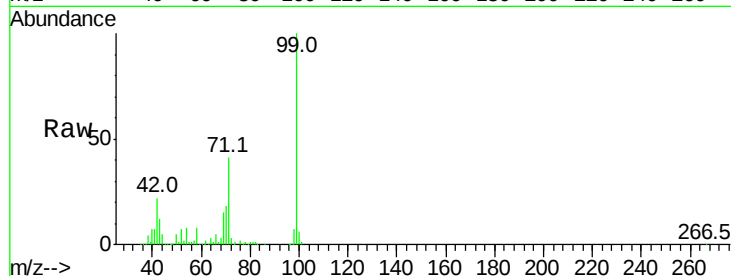
Tot Ion: 99 Resp: 415734

Ion Ratio Lower Upper

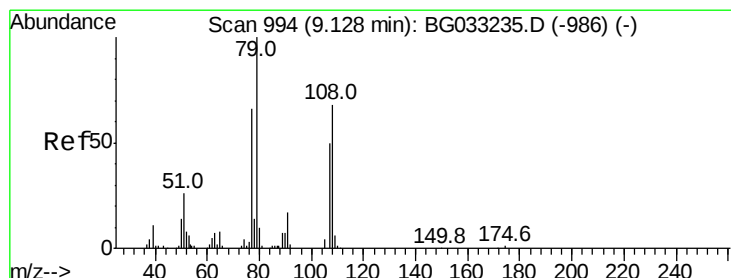
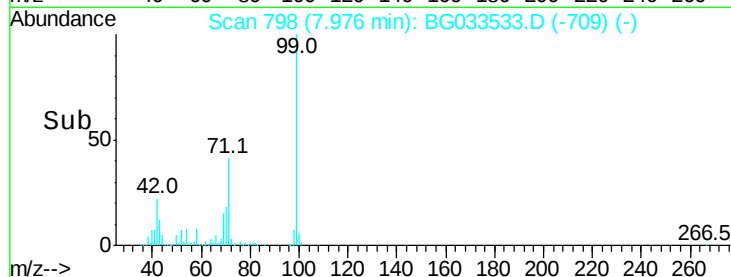
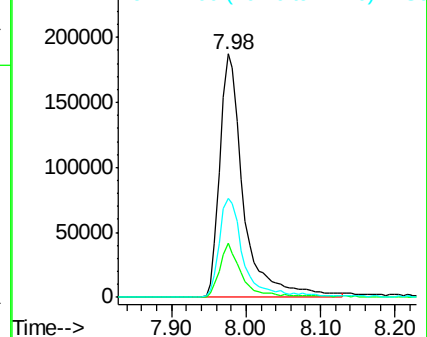
99 100

42 22.3 14.1 21.1#

71 40.9 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: 2.043 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

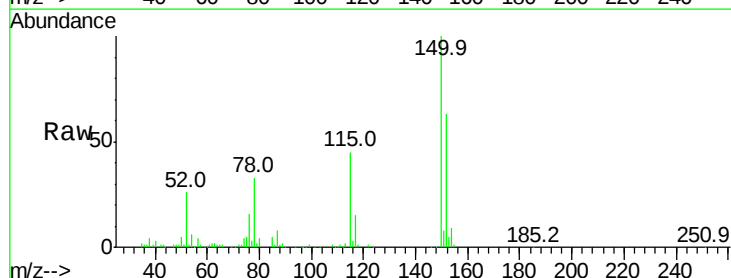
Tgt Ion: 79 Resp: 4486

Ion Ratio Lower Upper

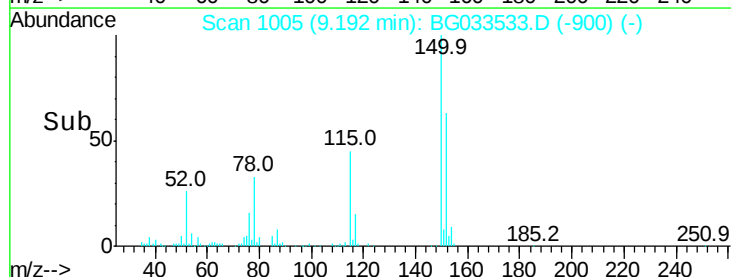
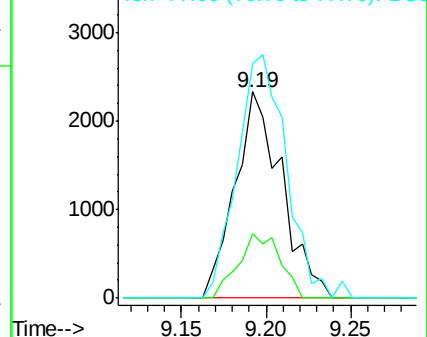
79 100

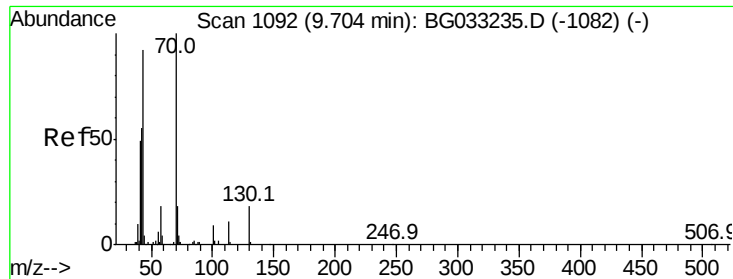
108 31.2 57.2 85.8#

77 113.7 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

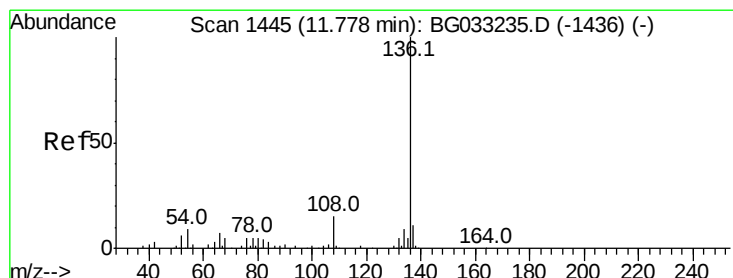
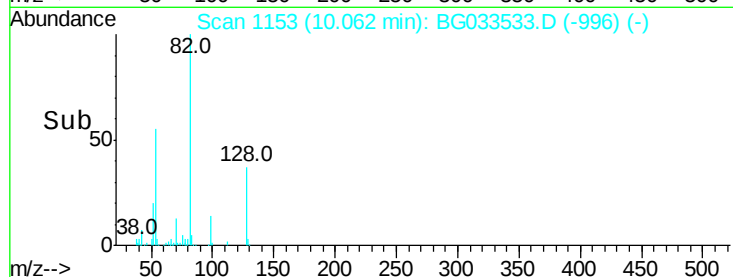
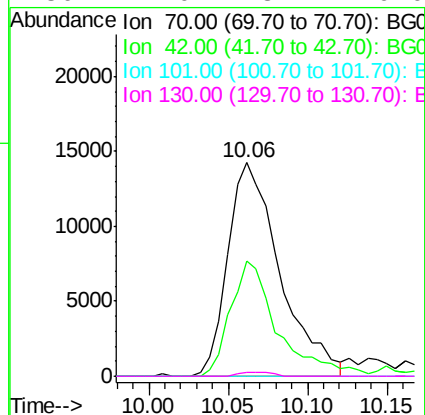
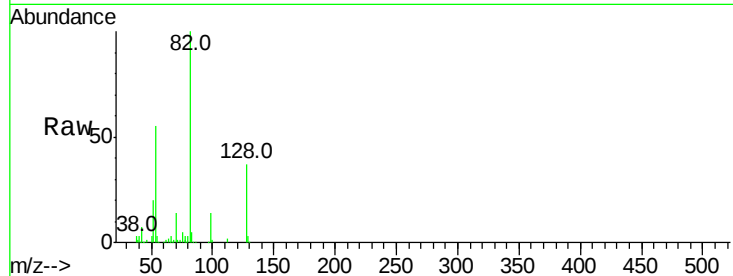




#19
n-Nitroso-di-n-propylamine
Concen: 15.896 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.39 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

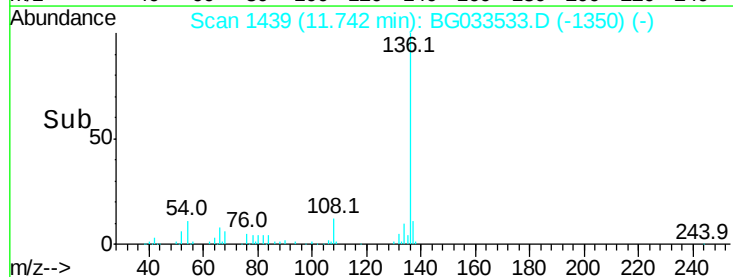
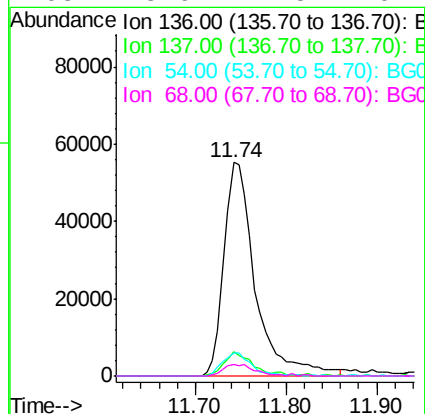
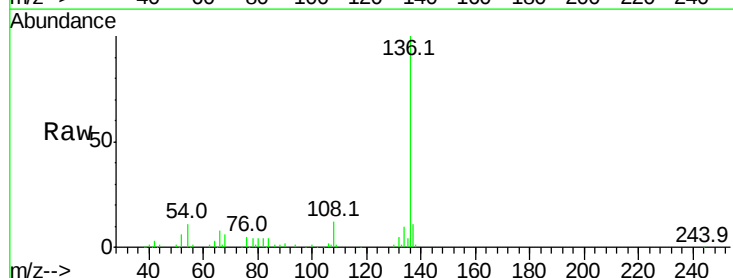
Instrument :
BNA_G
ClientSampleId :

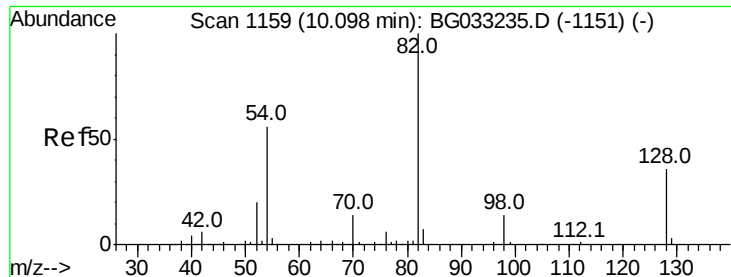
Tot Ion: 70 Resp: 32482
Ion Ratio Lower Upper
70 100
42 54.1 49.1 73.7
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

Tgt Ion: 136 Resp: 132890
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 11.0 10.3 15.5
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 89.034 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

Instrument :

BNA_G

ClientSampleId :

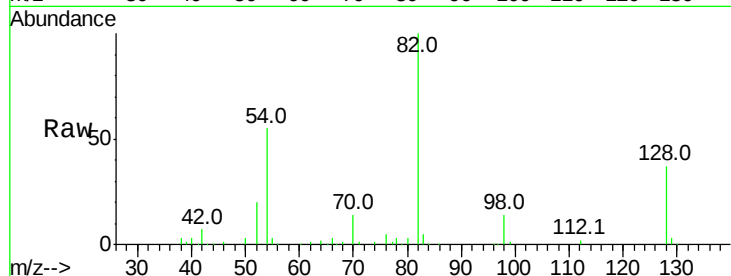
Tot Ion: 82 Resp: 257524

Ion Ratio Lower Upper

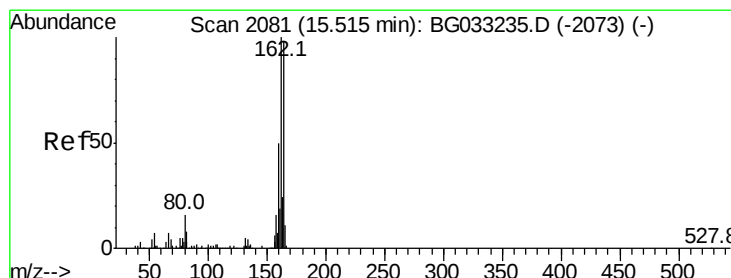
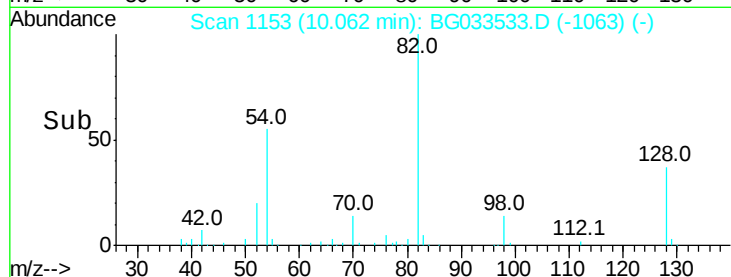
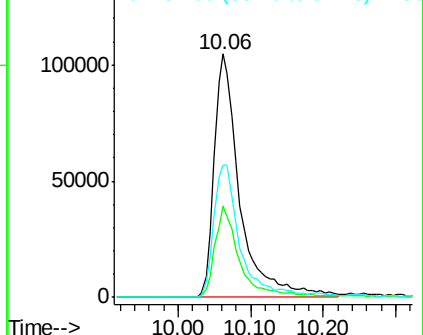
82 100

128 37.4 29.7 44.5

54 54.5 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: 15.48 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

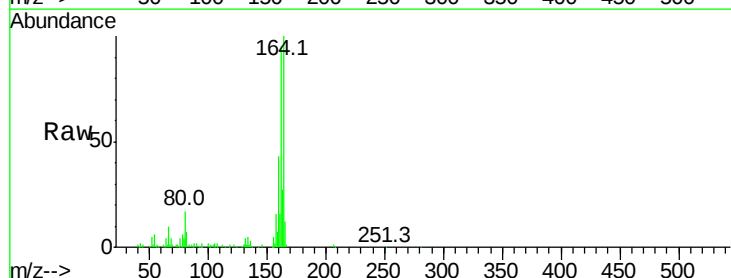
Tgt Ion:164 Resp: 107228

Ion Ratio Lower Upper

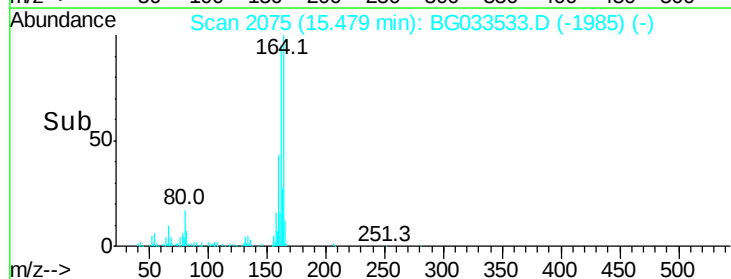
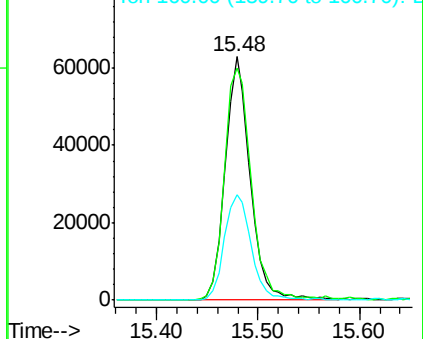
164 100

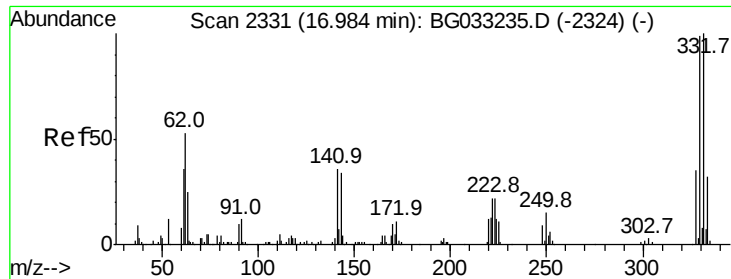
162 95.3 78.8 118.2

160 43.1 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

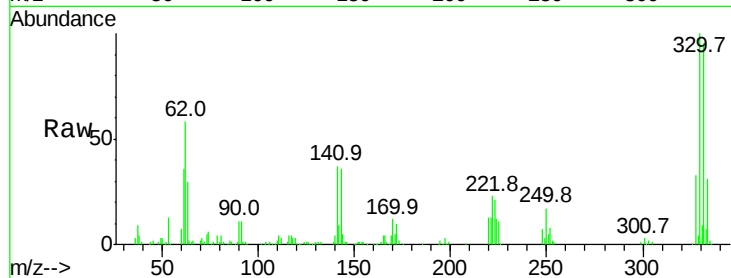




#41
 2,4,6-Tribromophenol
 Concen: 116.832 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033533.D
 Acq: 3 Apr 2018 19:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	330	Ratio	Lower	Upper
330	100			
332	94.3	77.0	115.6	
141	36.7	25.2	37.8	

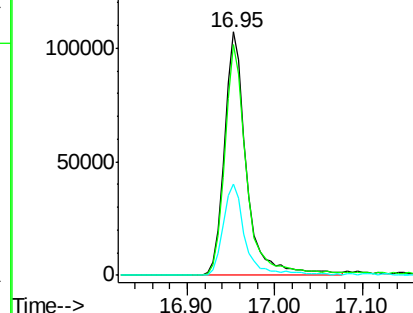
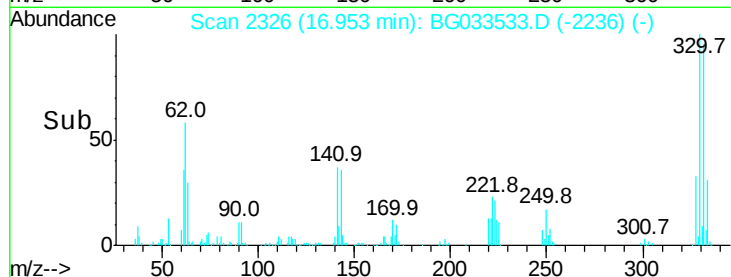


Abundance

Ion 329.80 (329.50 to 330.50): E

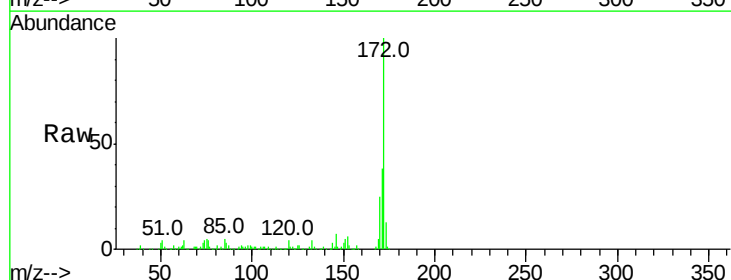
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.726 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BG033533.D
 Acq: 3 Apr 2018 19:43

Tgt Ion	172	Ratio	Lower	Upper
172	100			
171	37.6	30.0	45.0	
170	25.4	19.5	29.3	

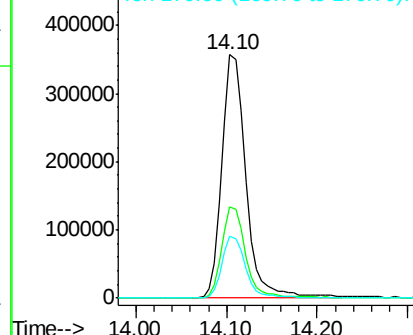
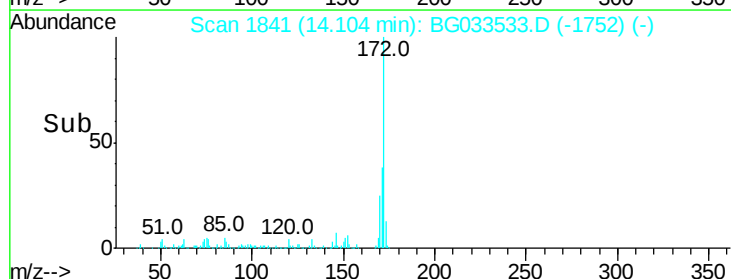


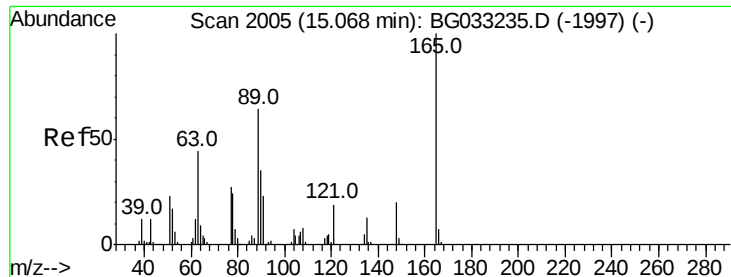
Abundance

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

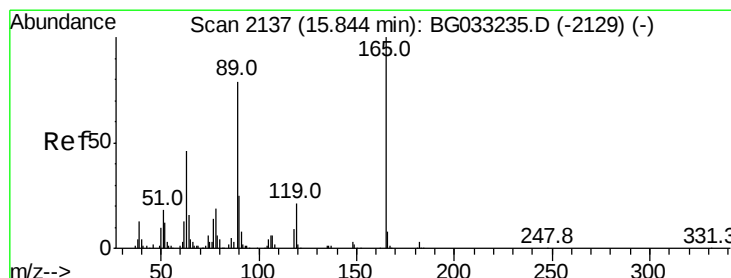
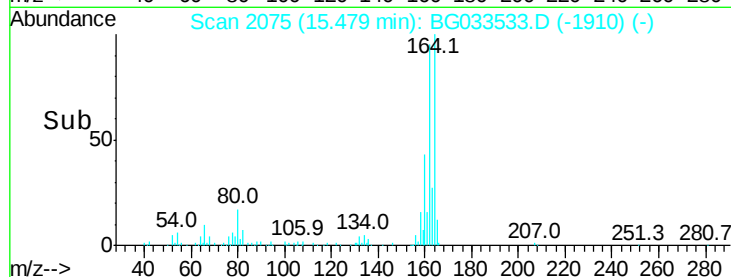
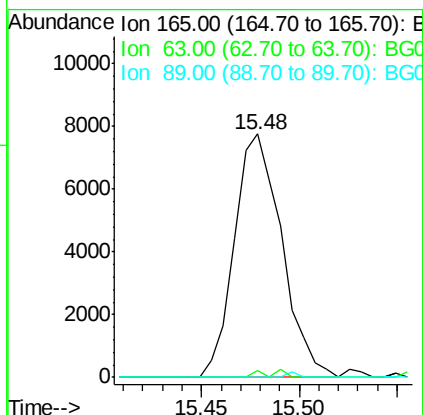
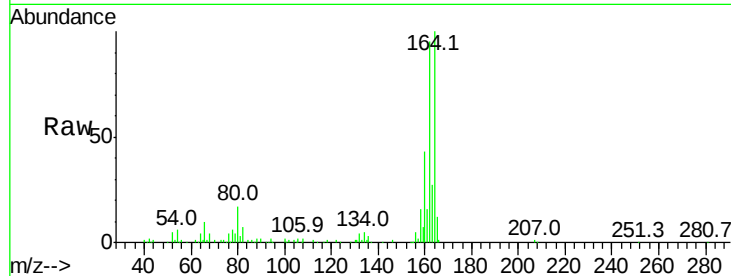




#50
2,6-Dinitrotoluene
Concen: 6.810 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.44 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

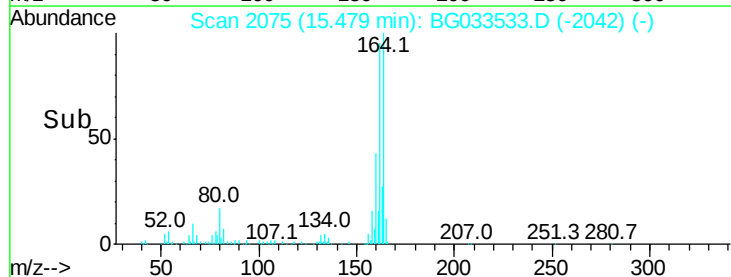
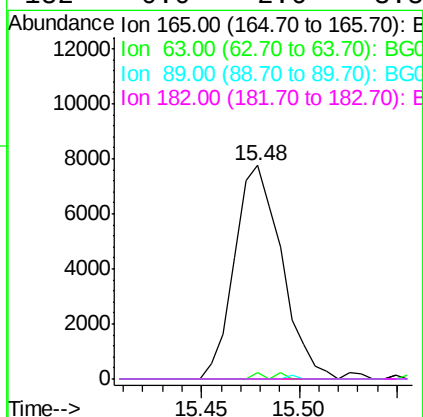
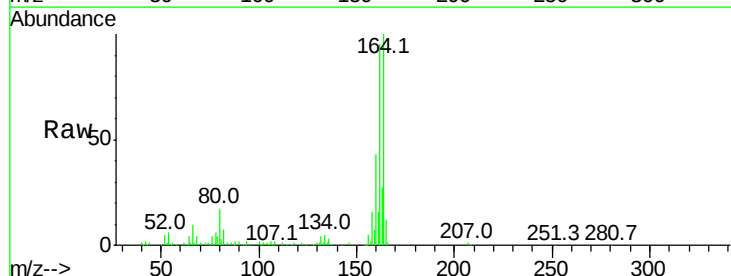
Instrument :
BNA_G
ClientSampleId :

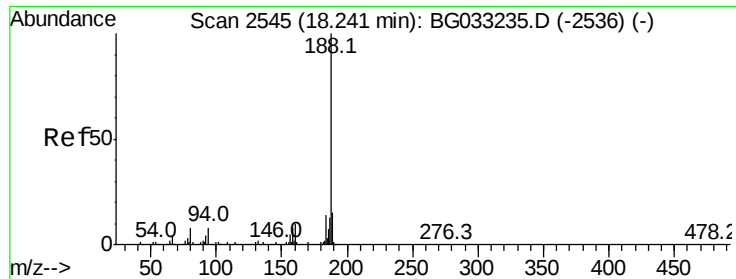
Tot Ion:165 Resp: 12994
Ion Ratio Lower Upper
165 100
63 2.9 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.625 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

Tgt Ion:165 Resp: 12994
Ion Ratio Lower Upper
165 100
63 2.9 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

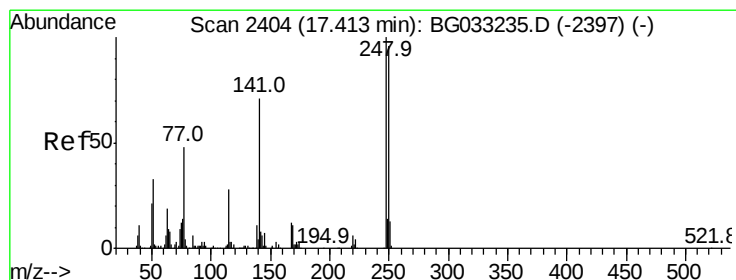
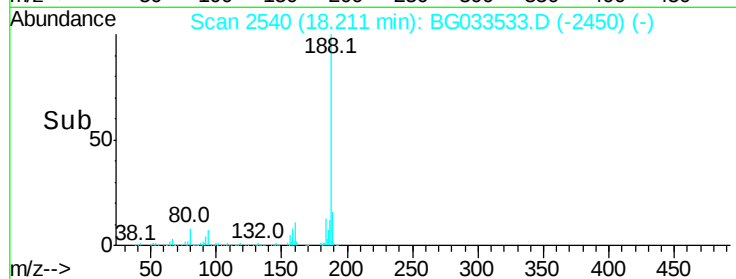
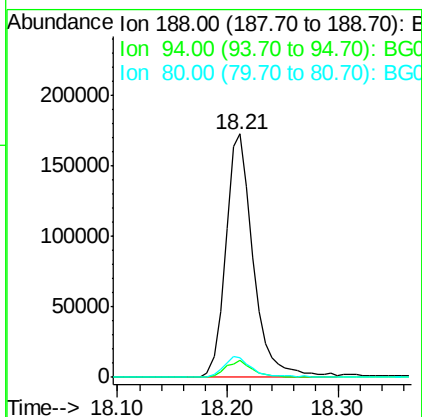
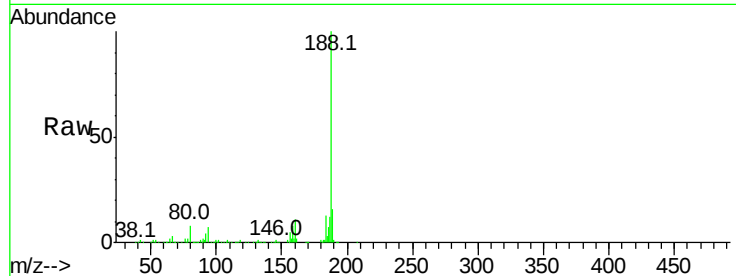




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

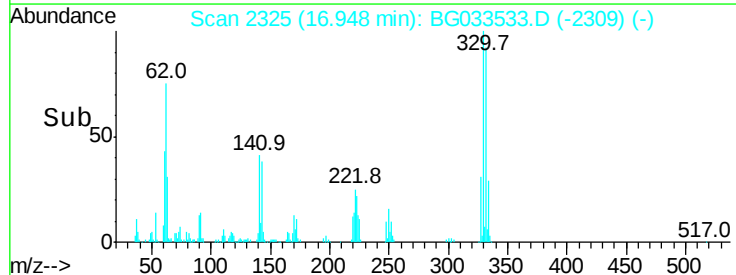
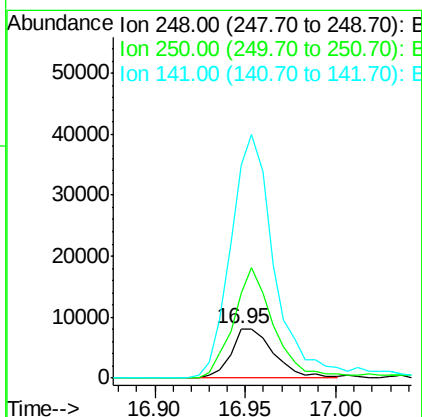
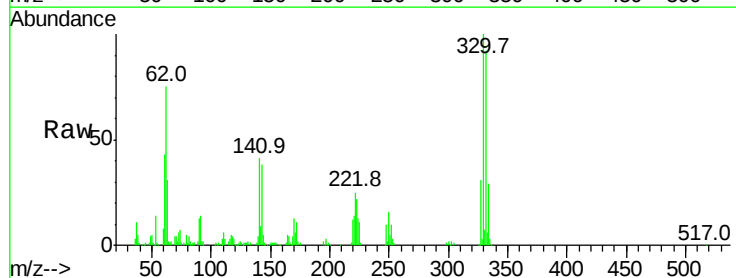
Instrument :
BNA_G
ClientSampleId :

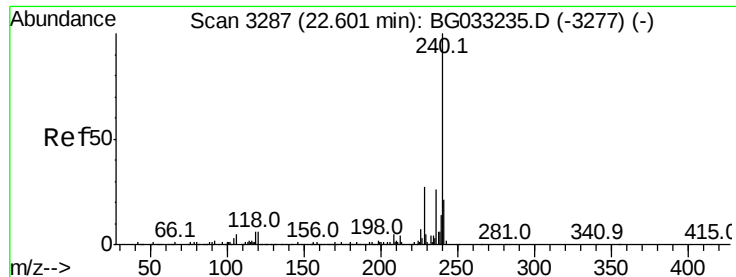
Tot Ion:188 Resp: 301591
Ion Ratio Lower Upper
188 100
94 7.2 6.9 10.3
80 8.0 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 3.794 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.44 min
Lab File: BG033533.D
Acq: 3 Apr 2018 19:43

Tgt Ion:248 Resp: 13437
Ion Ratio Lower Upper
248 100
250 172.6 77.1 115.7#
141 431.3 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. 0.01 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

Instrument :

BNA_G

ClientSampleId :

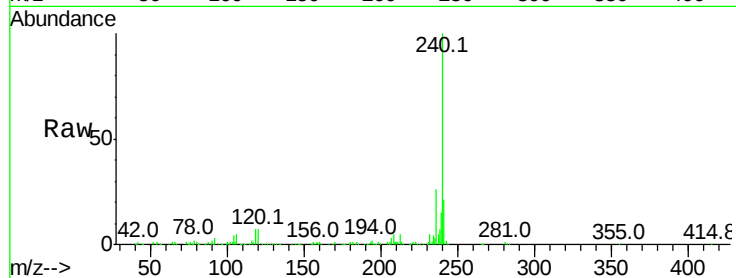
Tot Ion:240 Resp: 324139

Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.8	10.2
236	26.1	20.9	31.3

240 100

120 6.9 6.8 10.2

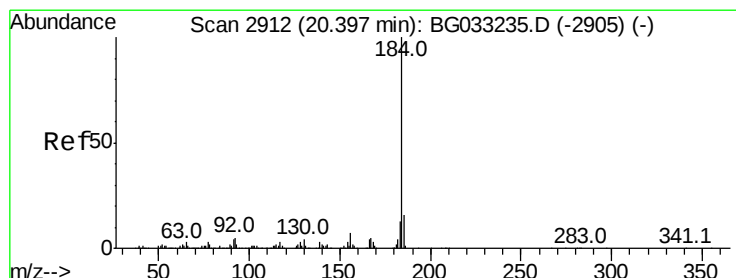
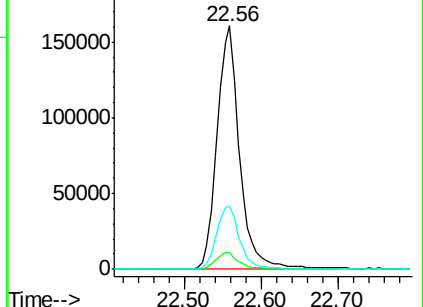
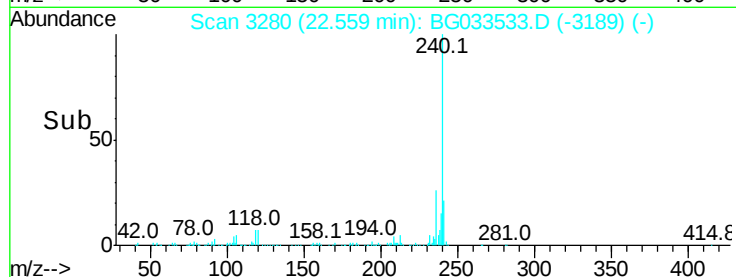
236 26.1 20.9 31.3



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: 2.556 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

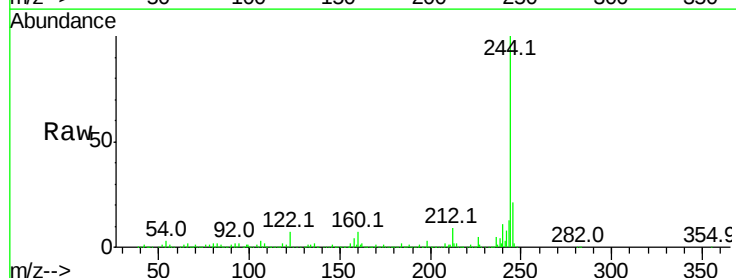
Tgt Ion:184 Resp: 22470

Ion	Ratio	Lower	Upper
184	100		
185	16.0	11.1	16.7
183	10.4	10.6	16.0#

184 100

185 16.0 11.1 16.7

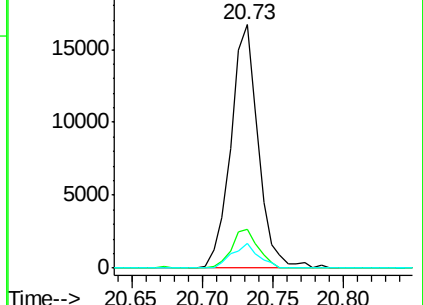
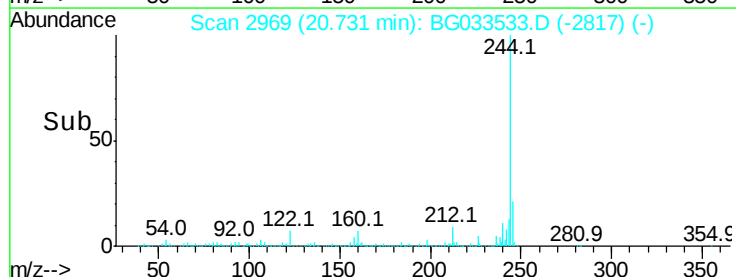
183 10.4 10.6 16.0#

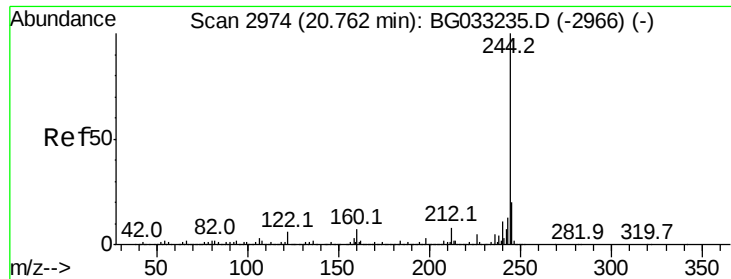


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.744 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

Instrument :

BNA_G

ClientSampleId :

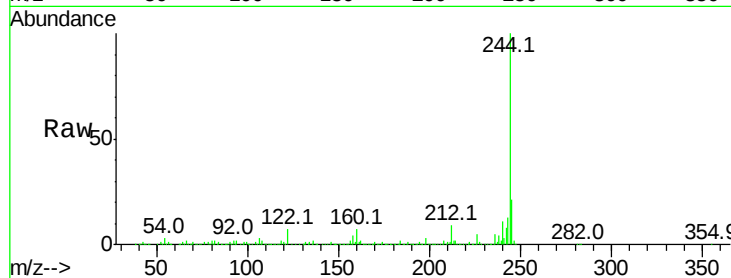
Tot Ion:244 Resp: 1360205

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

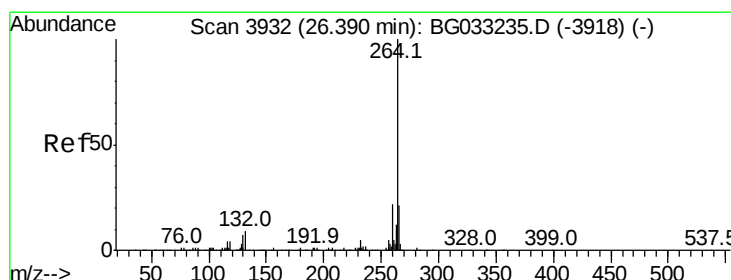
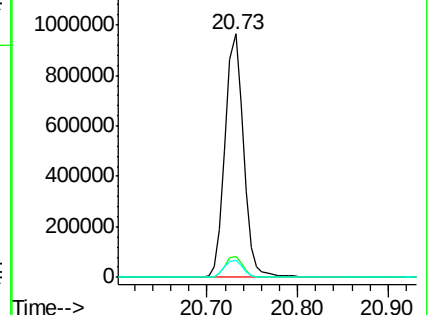
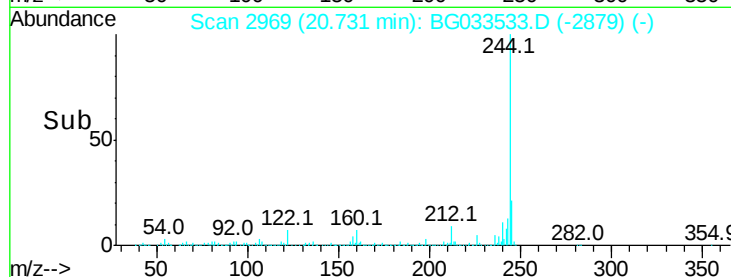
122 7.1 7.0 10.4



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: 26.32 min Scan# 3920

Delta R.T. -0.00 min

Lab File: BG033533.D

Acq: 3 Apr 2018 19:43

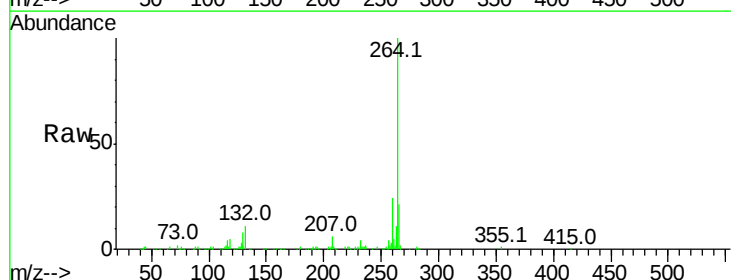
Tgt Ion:264 Resp: 322518

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 20.5 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

