

Data Path : Z:\HPCHEM1\BNA G\DATA\BG033018\
 Data File : BG033453.D
 Acq On : 30 Mar 2018 18:15
 Operator : SJ/JU
 Sample : PB107838TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 31 01:21:47 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

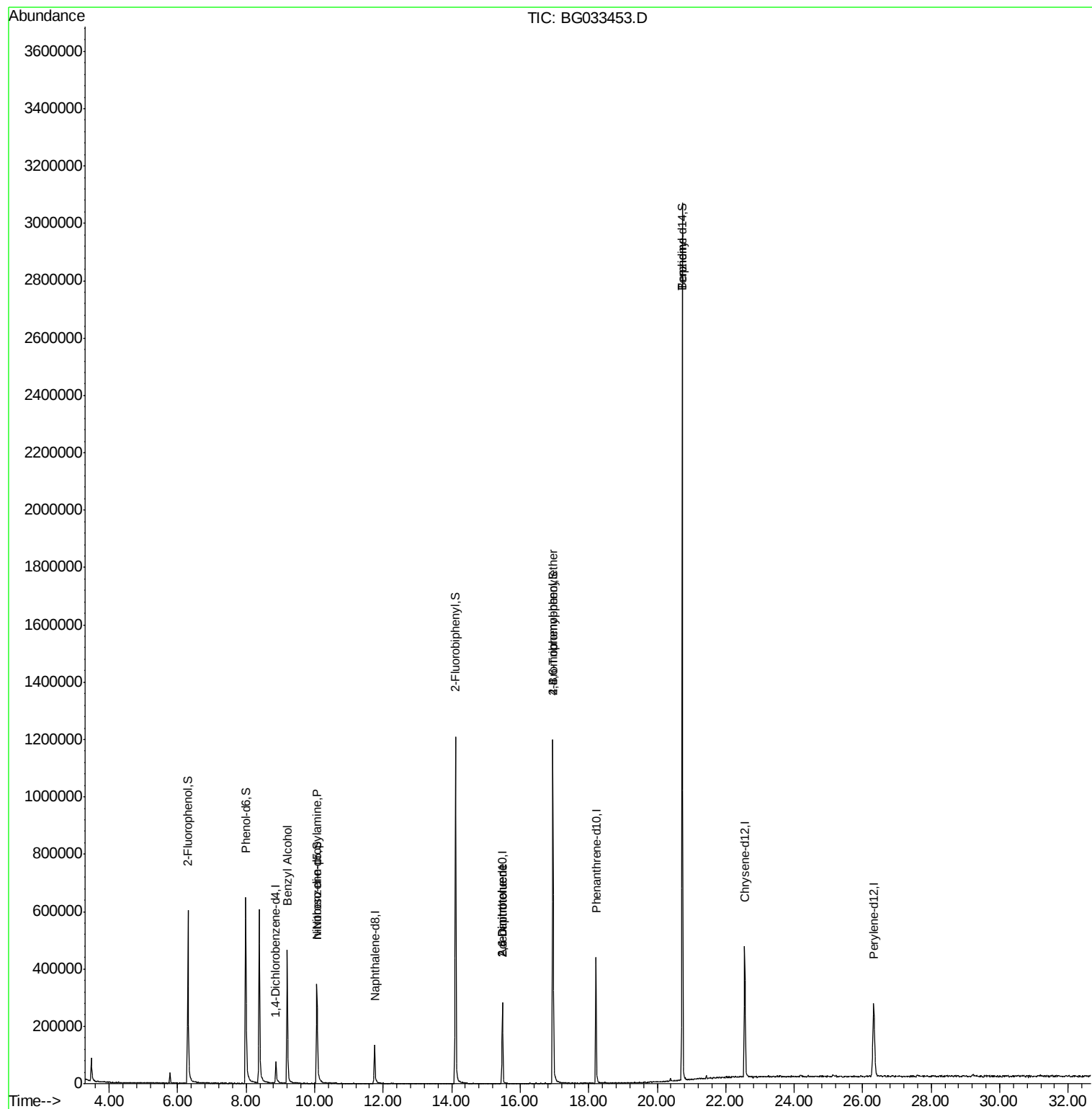
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	31440	20.00	ng	-0.01
21) Naphthalene-d8	11.74	136	132582	20.00	ng	-0.01
38) Acenaphthene-d10	15.48	164	107015	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	305743	20.00	ng	0.00
75) Chrysene-d12	22.56	240	335758	20.00	ng	0.00
86) Perylene-d12	26.32	264	362483	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	294226	175.48	ng	0.00
7) Phenol-d6	7.98	99	459889	159.63	ng	0.00
23) Nitrobenzene-d5	10.06	82	282309	97.83	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	249198	155.70	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	717329	96.77	ng	0.00
78) Terphenyl-d14	20.73	244	1549431	98.69	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.20	79	5181	2.284	ng	# 25
19) n-Nitroso-di-n-propylamine	10.07	70	36810	17.437	ng	# 80
50) 2,6-Dinitrotoluene	15.48	165	13558	7.120	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	13557	4.835	ng	# 16
66) 4-Bromophenyl-phenylether	16.96	248	18700	5.208	ng	# 1
76) Benzidine	20.73	184	24914	2.736	ng	# 86

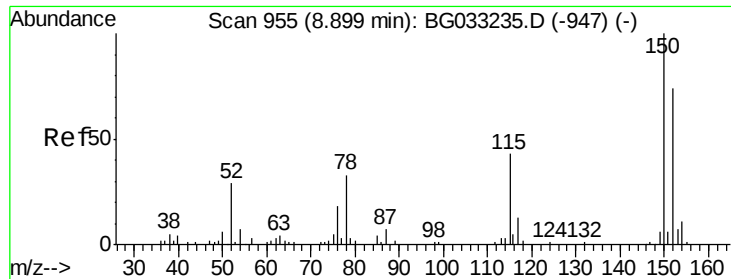
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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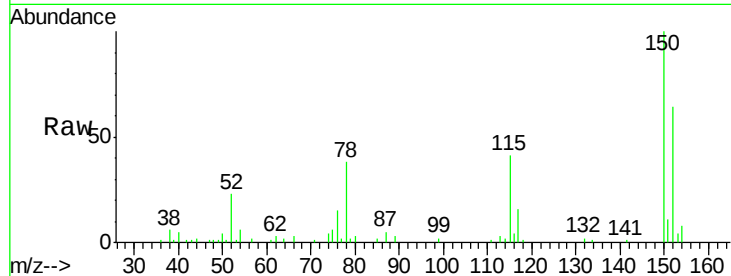


#1

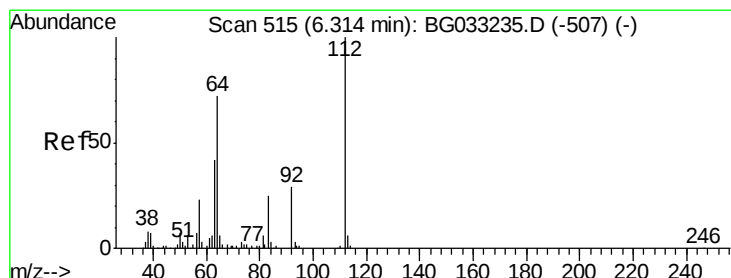
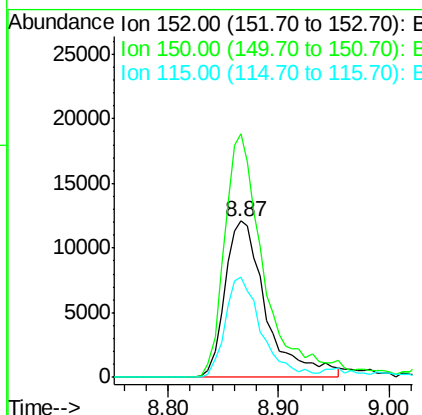
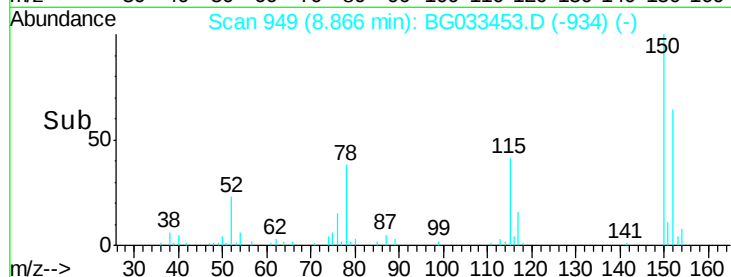
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033453.D
Acq: 30 Mar 2018 18:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31440
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 64.0 53.0 79.4



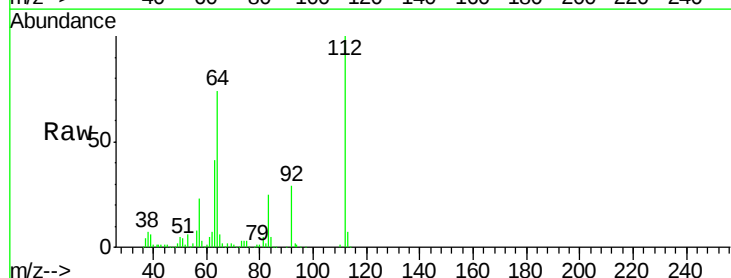
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



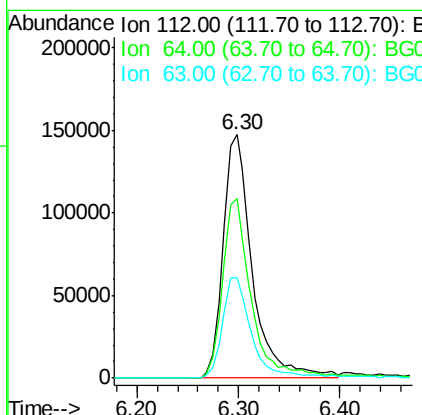
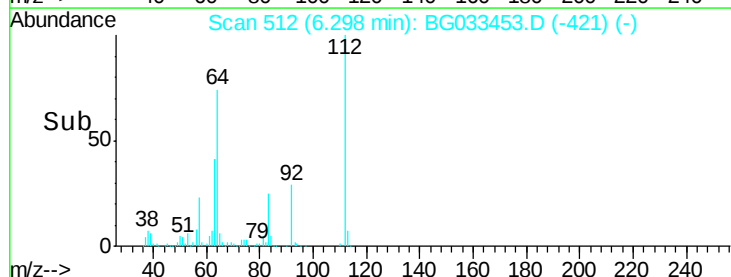
#5

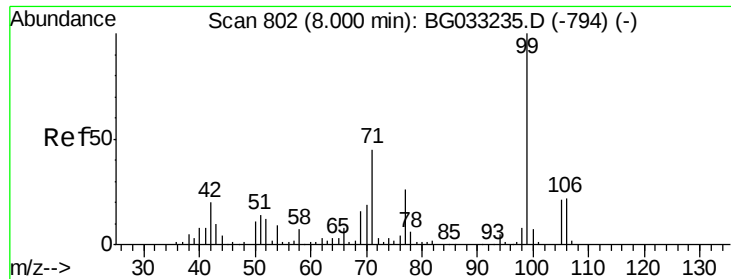
2-Fluorophenol
Concen: 175.480 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.00 min
Lab File: BG033453.D
Acq: 30 Mar 2018 18:15

Tgt Ion:112 Resp: 294226
Ion Ratio Lower Upper
112 100
64 74.0 56.3 84.5
63 41.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 159.634 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

Instrument :

BNA_G

ClientSampleId :

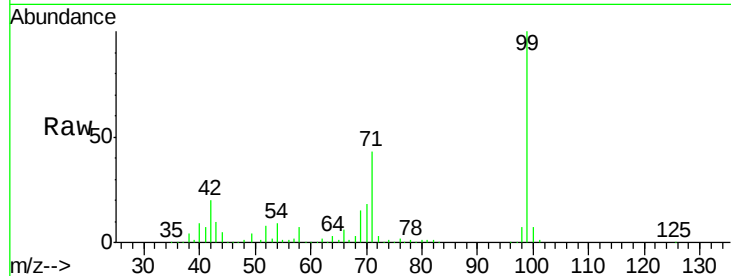
Tot Ion: 99 Resp: 459889

Ion Ratio Lower Upper

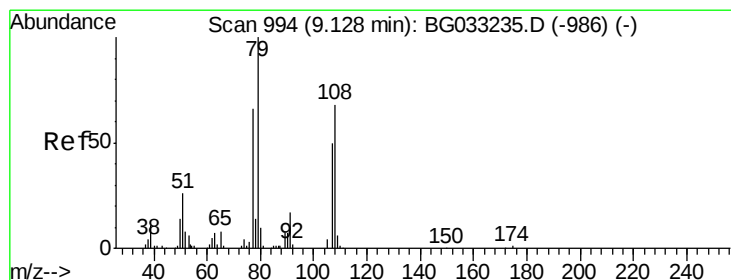
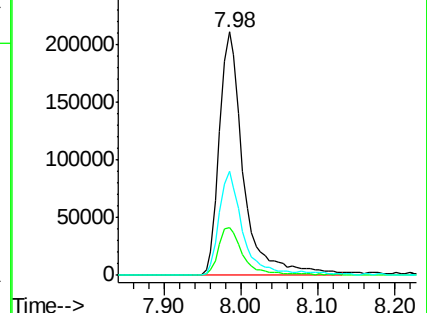
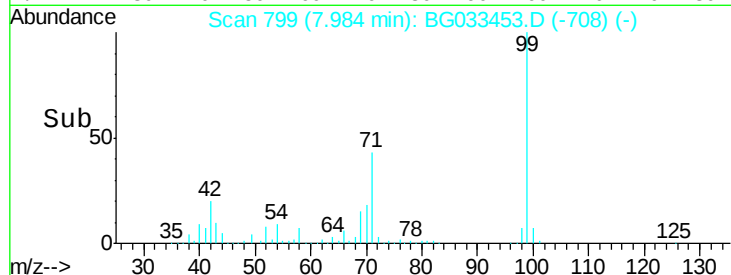
99 100

42 19.8 14.1 21.1

71 42.5 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: 2.284 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

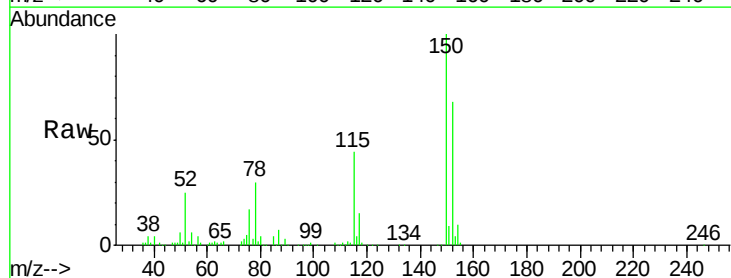
Tgt Ion: 79 Resp: 5181

Ion Ratio Lower Upper

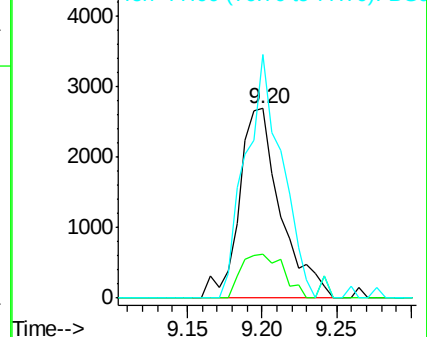
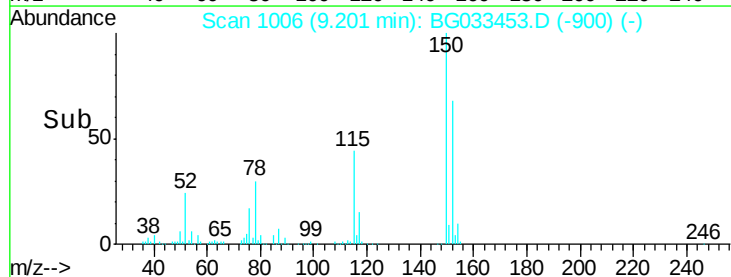
79 100

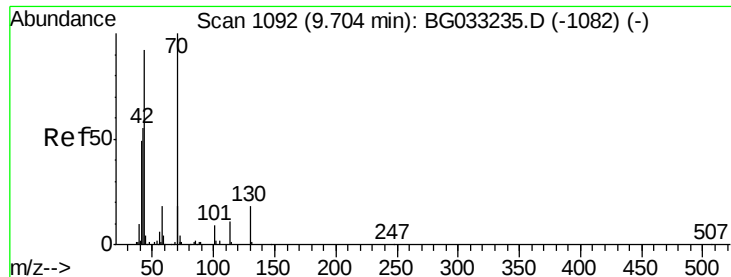
108 23.5 57.2 85.8#

77 128.5 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

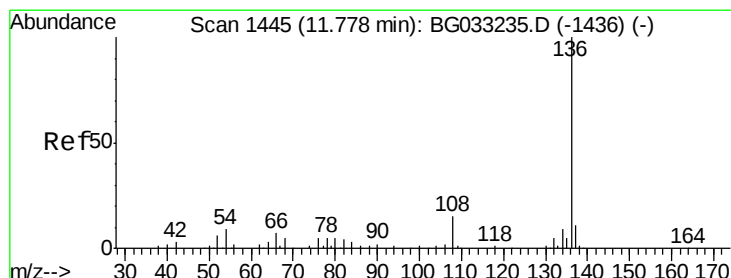
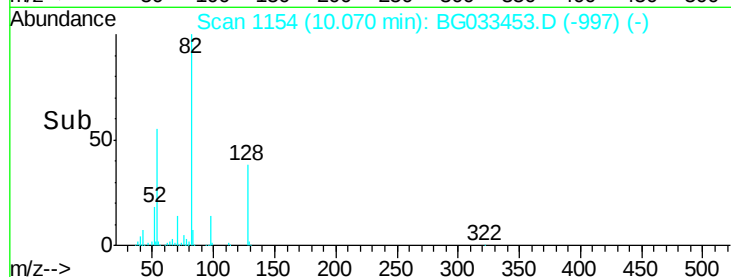
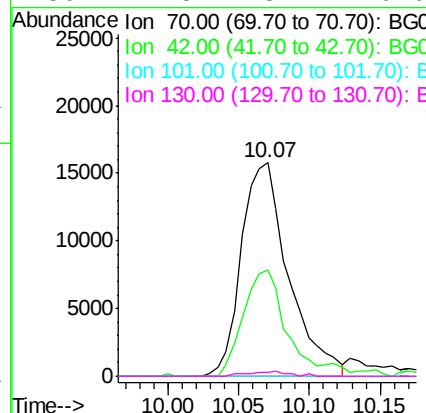
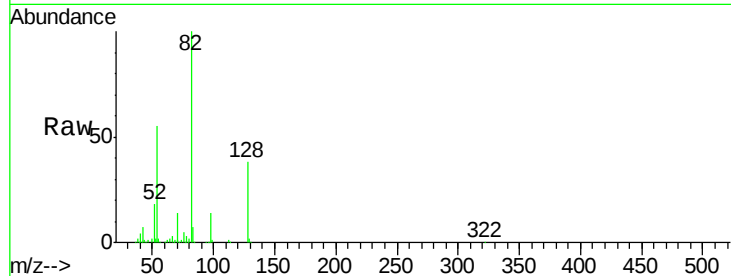




#19
n-Nitroso-di-n-propylamine
Concen: 17.437 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.39 min
Lab File: BG033453.D
Acq: 30 Mar 2018 18:15

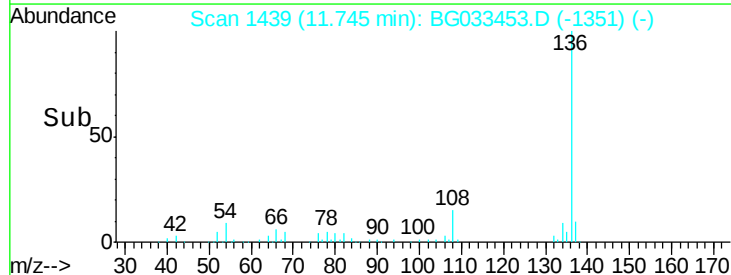
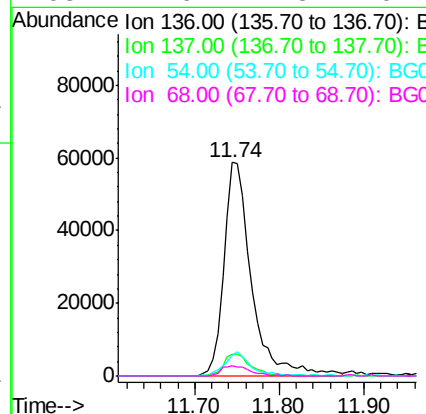
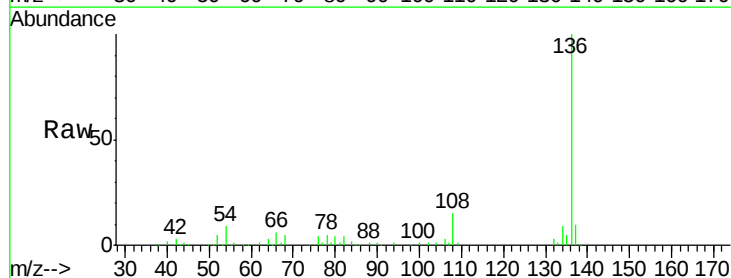
Instrument :
BNA_G
ClientSampleId :

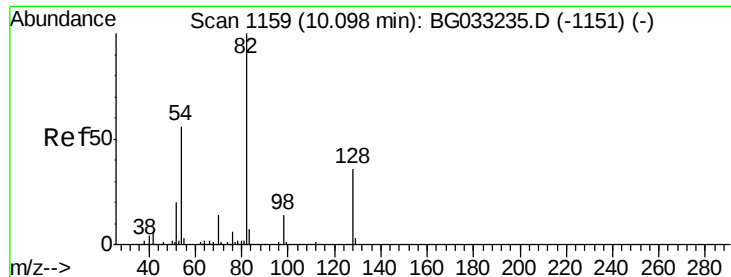
Tot Ion	70	Resp	36810
Ion Ratio	100	Lower	Upper
42	49.7	49.1	73.7
101	0.0	8.5	12.7#
130	1.8	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BG033453.D
Acq: 30 Mar 2018 18:15

Tgt Ion	136	Resp	132582
Ion Ratio	100	Lower	Upper
137	10.1	9.2	13.8
54	9.5	10.3	15.5#
68	4.6	4.5	6.7





#23

Nitrobenzene-d5

Concen: 97.829 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

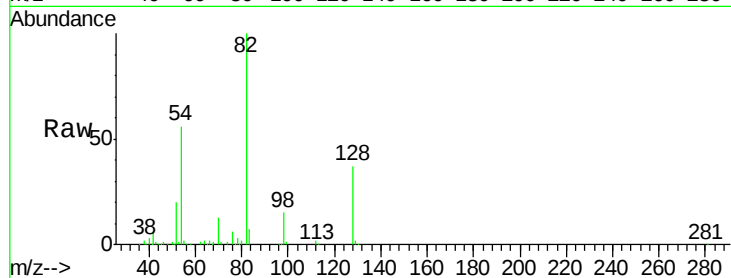
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 82 Resp: 282309

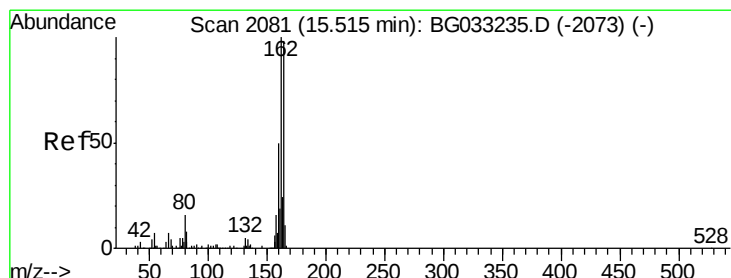
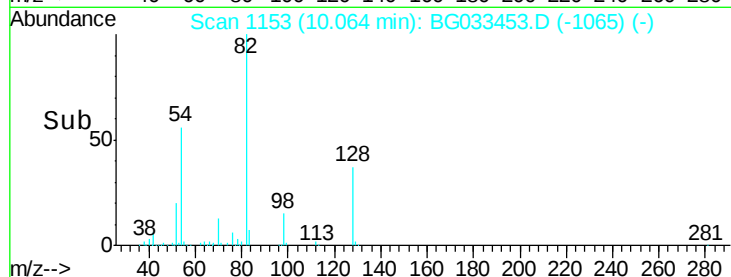
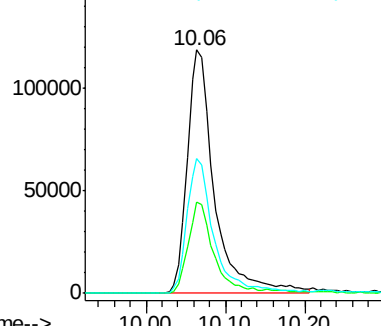
Ion	Ratio	Lower	Upper
82	100		
128	37.4	29.7	44.5
54	55.6	43.1	64.7



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

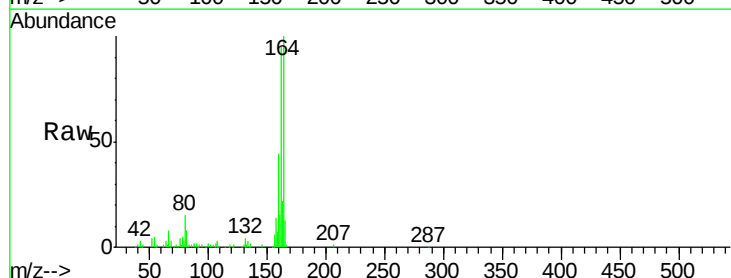
Delta R.T. -0.01 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

Tgt Ion:164 Resp: 107015

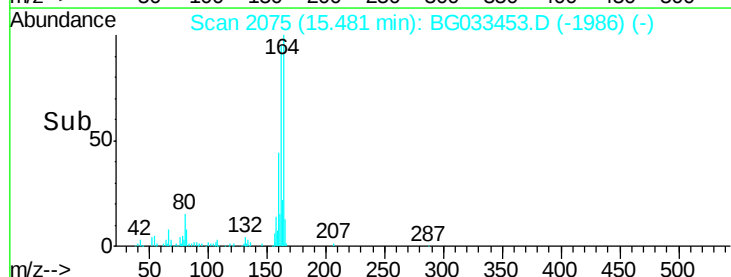
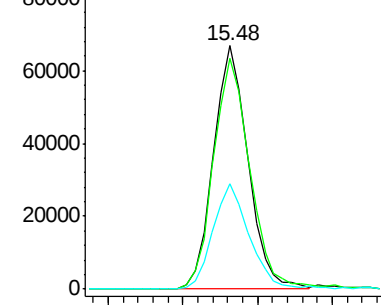
Ion	Ratio	Lower	Upper
164	100		
162	94.6	78.8	118.2
160	43.5	35.4	53.0

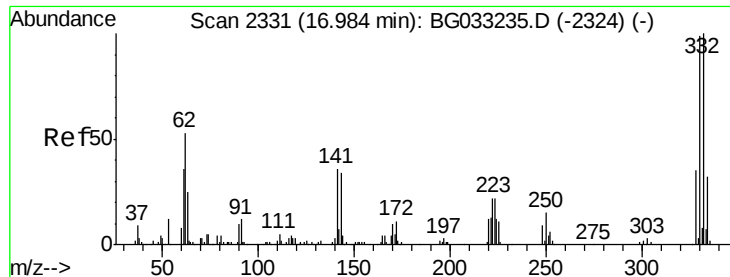


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

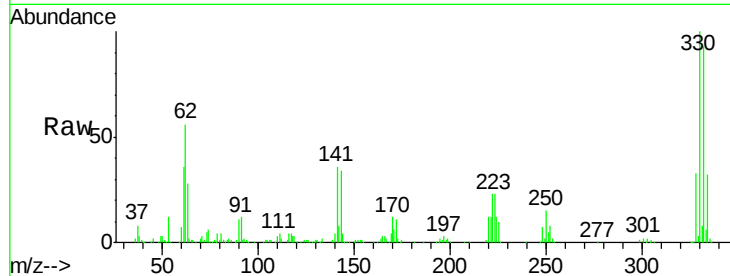




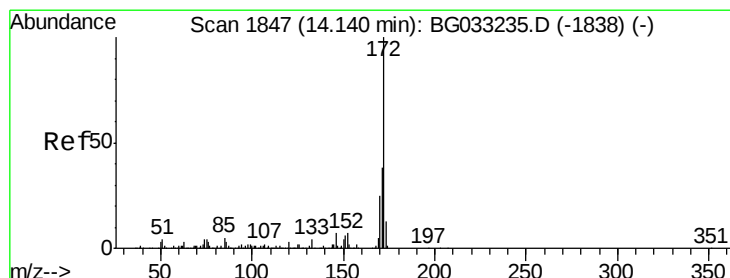
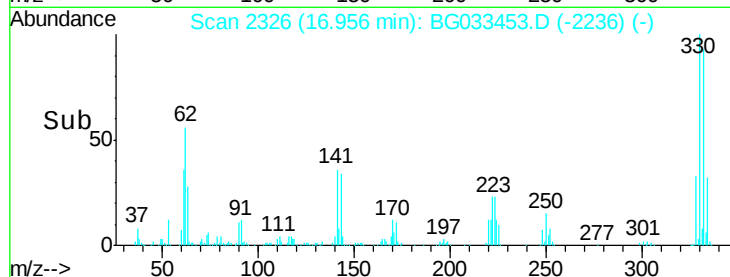
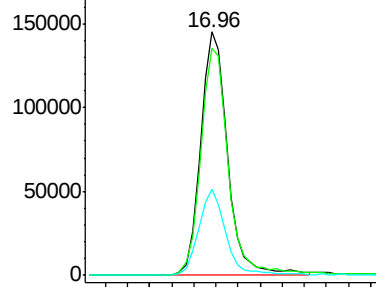
#41
 2,4,6-Tribromophenol
 Concen: 155.697 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033453.D
 Acq: 30 Mar 2018 18:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	35.0	25.2	37.8

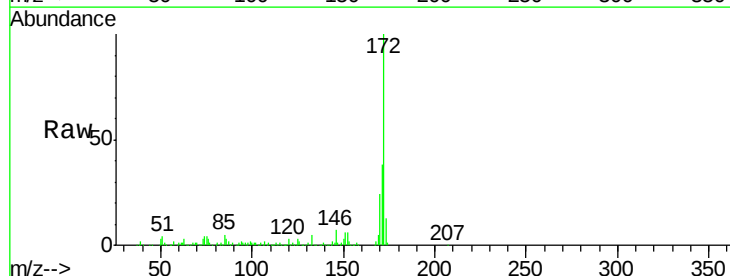


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

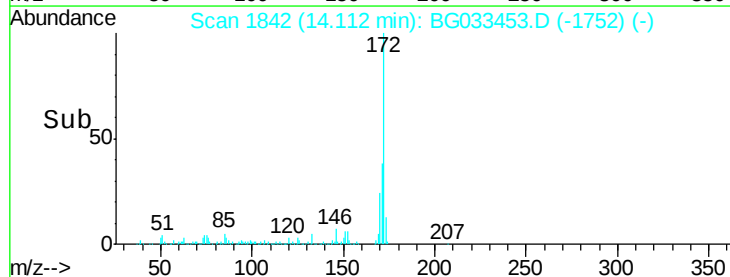
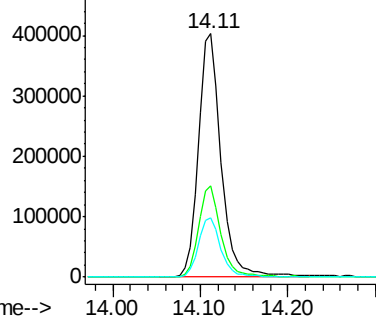


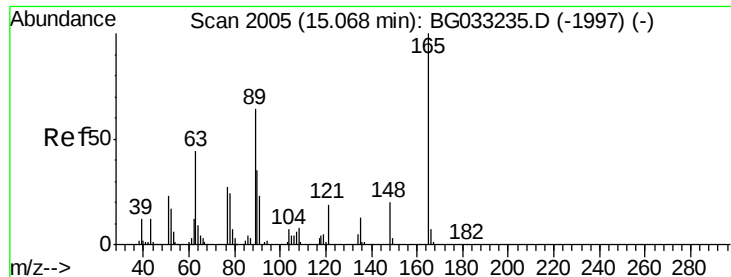
#44
 2-Fluorobiphenyl
 Concen: 96.768 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033453.D
 Acq: 30 Mar 2018 18:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	24.2	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

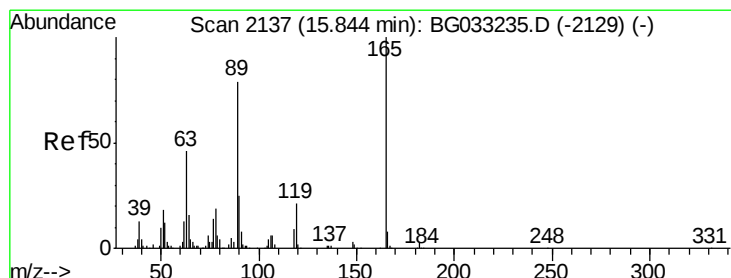
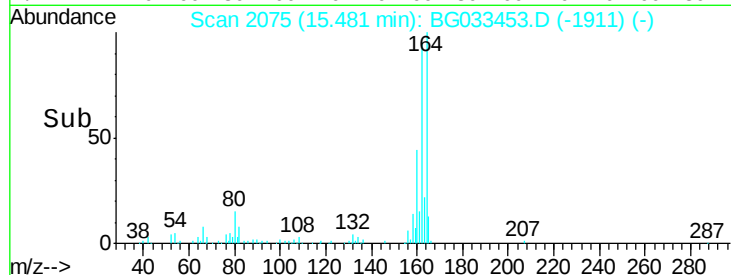
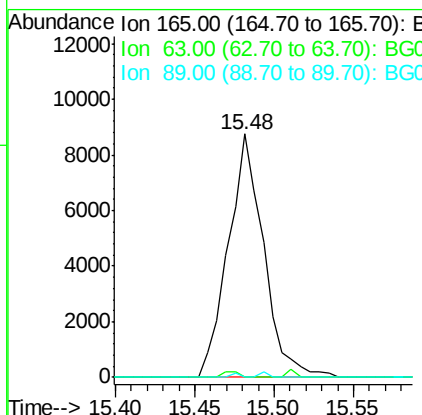
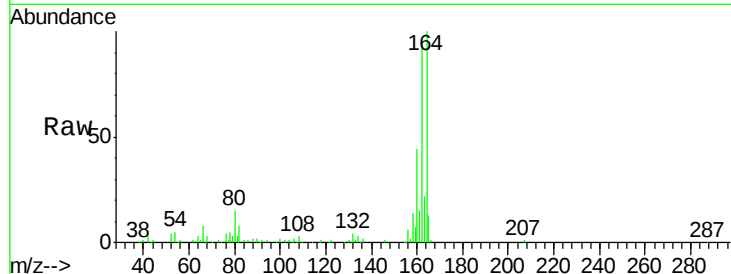




#50
 2,6-Dinitrotoluene
 Concen: 7.120 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.43 min
 Lab File: BG033453.D
 Acq: 30 Mar 2018 18:15

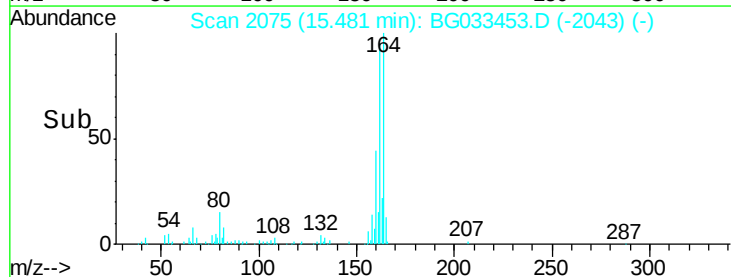
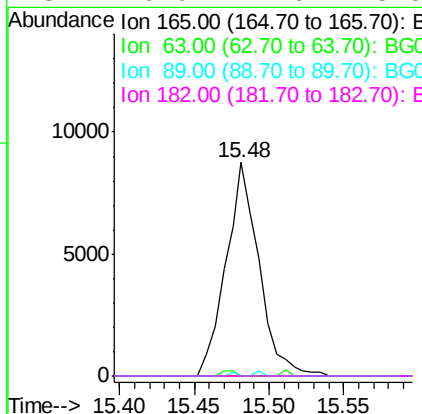
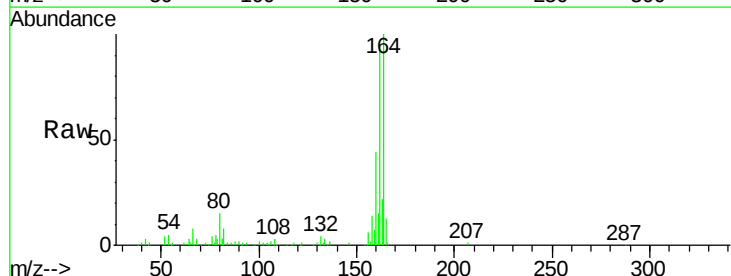
Instrument :
 BNA_G
 ClientSampleId :

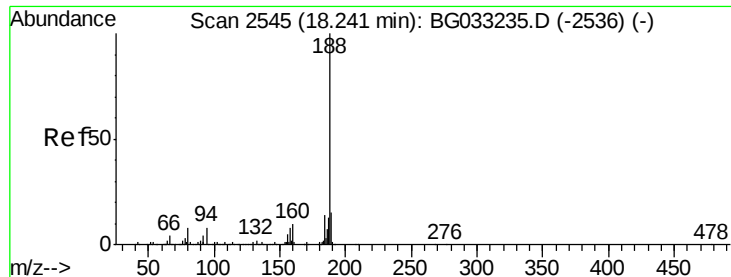
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.835 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.34 min
 Lab File: BG033453.D
 Acq: 30 Mar 2018 18:15

Tgt 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#

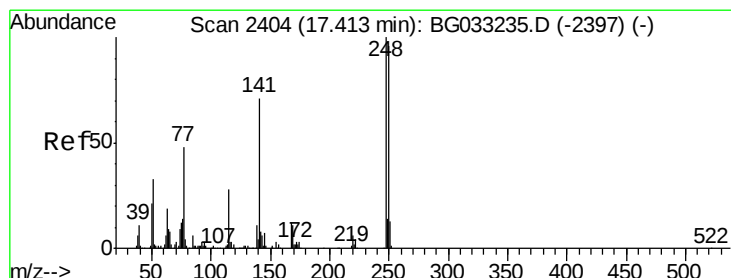
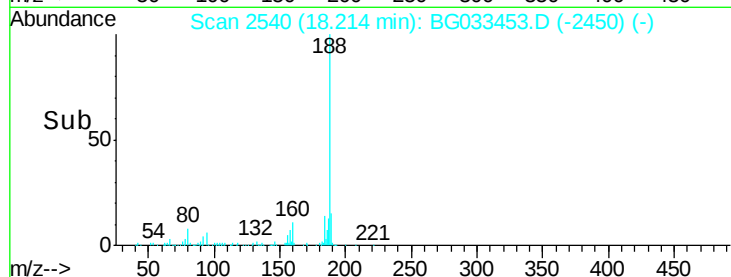
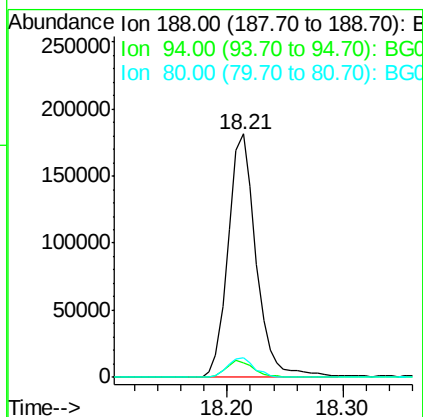
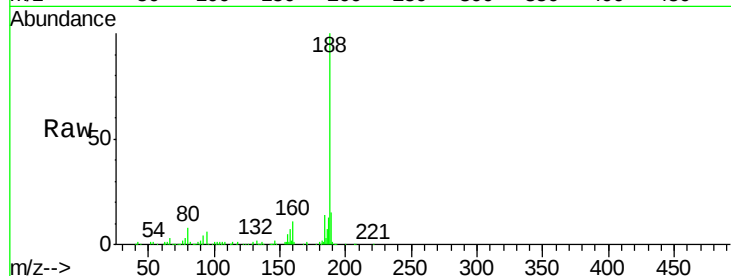




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033453.D
Acq: 30 Mar 2018 18:15

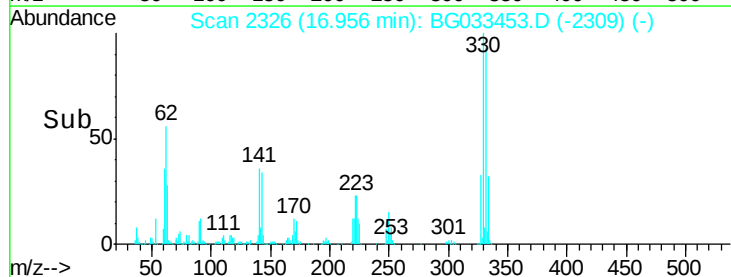
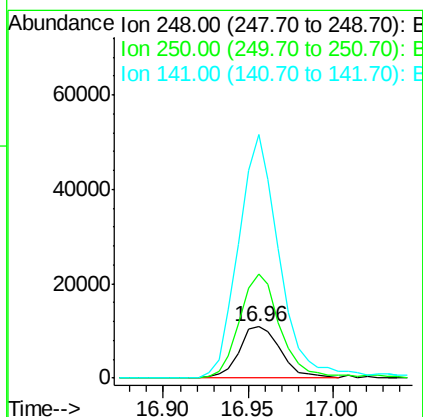
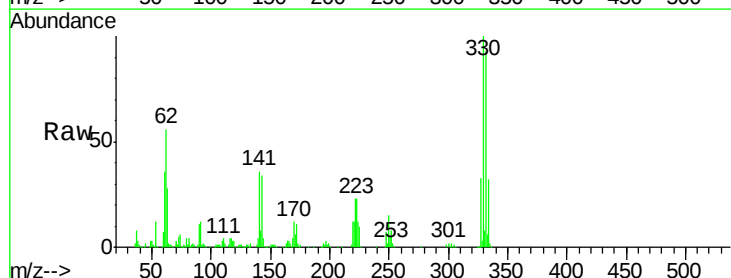
Instrument :
BNA_G
ClientSampleId :

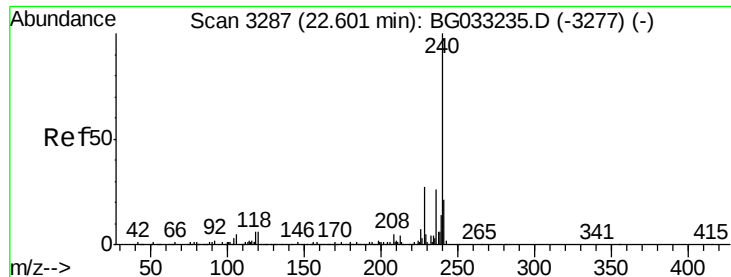
Tot Ion:188 Resp: 305743
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 7.8 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 5.208 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033453.D
Acq: 30 Mar 2018 18:15

Tgt Ion:248 Resp: 18700
Ion Ratio Lower Upper
248 100
250 202.6 77.1 115.7#
141 474.3 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

Instrument :

BNA_G

ClientSampleId :

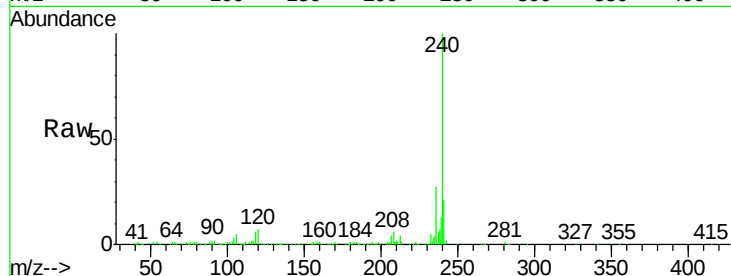
Tot Ion:240 Resp: 335758

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

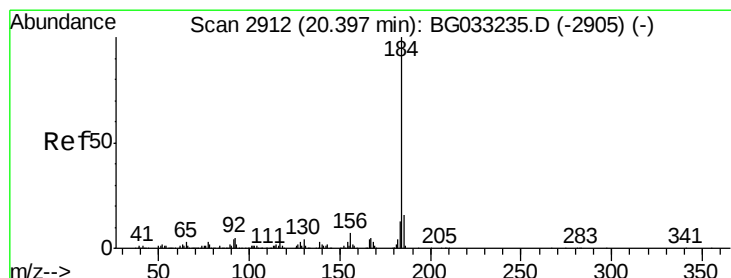
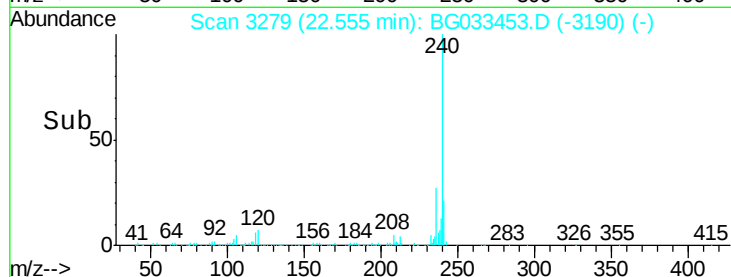
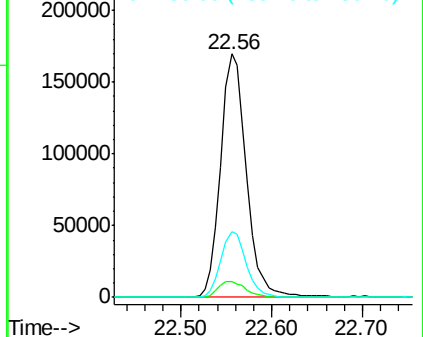
236 26.8 20.9 31.3



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: 2.736 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

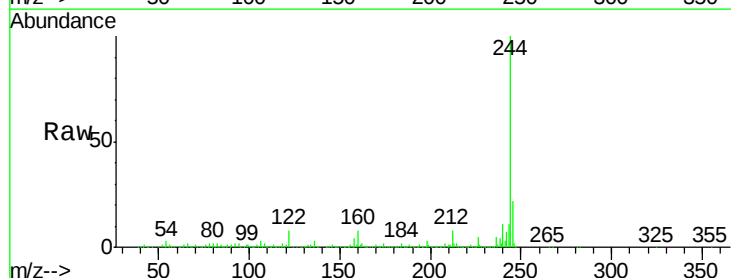
Tgt Ion:184 Resp: 24914

Ion Ratio Lower Upper

184 100

185 18.8 11.1 16.7#

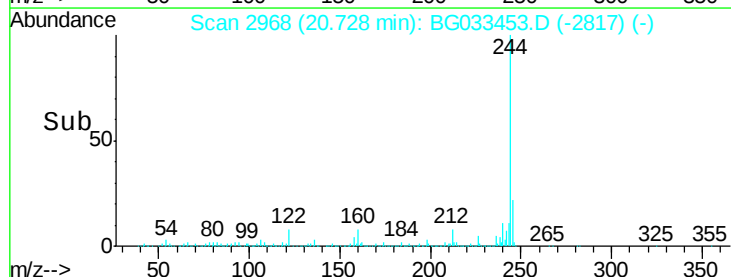
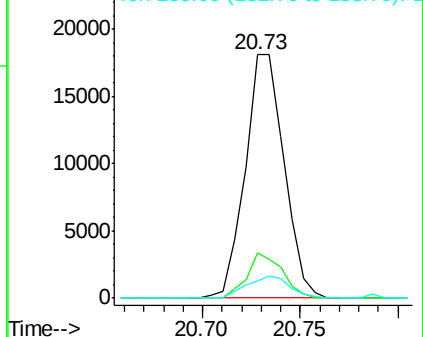
183 7.0 10.6 16.0#

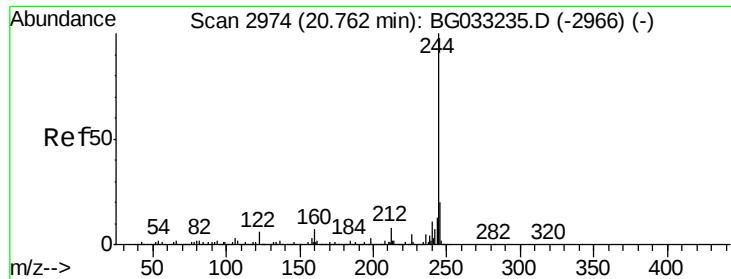


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.691 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

Instrument :

BNA_G

ClientSampleId :

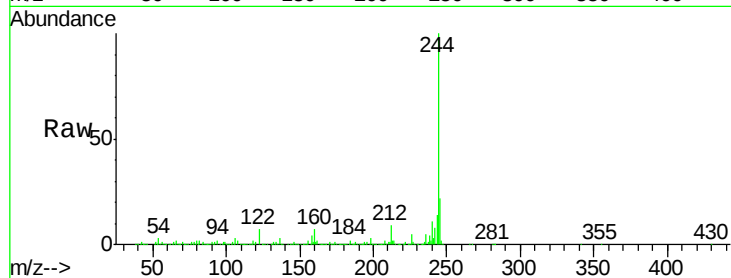
Tot Ion:244 Resp: 1549431

Ion Ratio Lower Upper

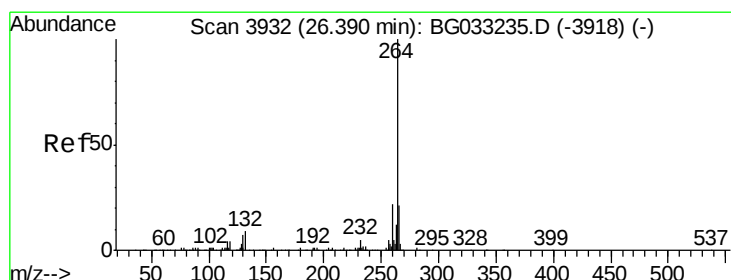
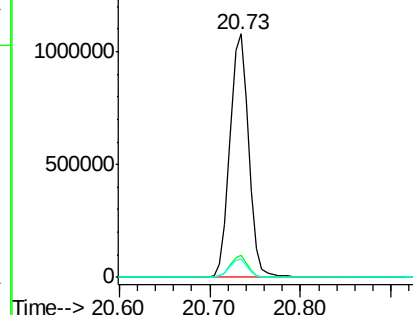
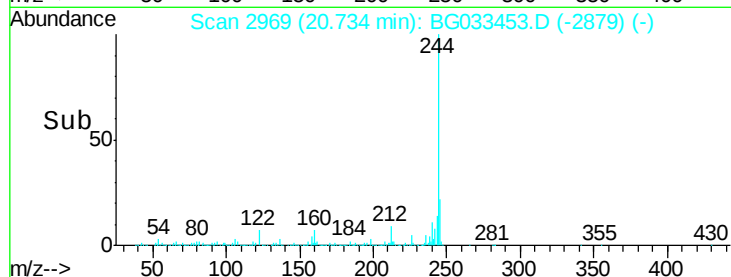
244 100

212 8.9 5.8 8.8#

122 7.4 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. -0.01 min

Lab File: BG033453.D

Acq: 30 Mar 2018 18:15

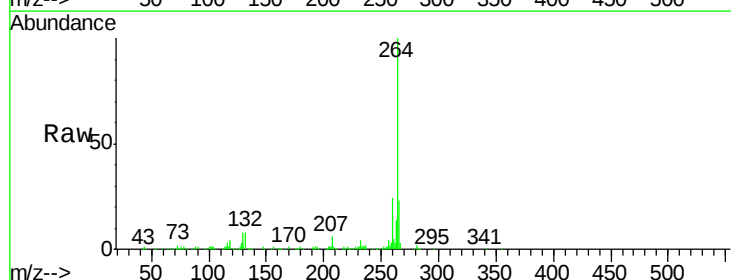
Tgt Ion:264 Resp: 362483

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 22.9 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

