

Data Path : U:\HPCHEM1\BNA G\DATA\BG033018\
 Data File : BG033473.D
 Acq On : 31 Mar 2018 8:06
 Operator : SJ/JU
 Sample : J2142-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 02 01:42:00 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

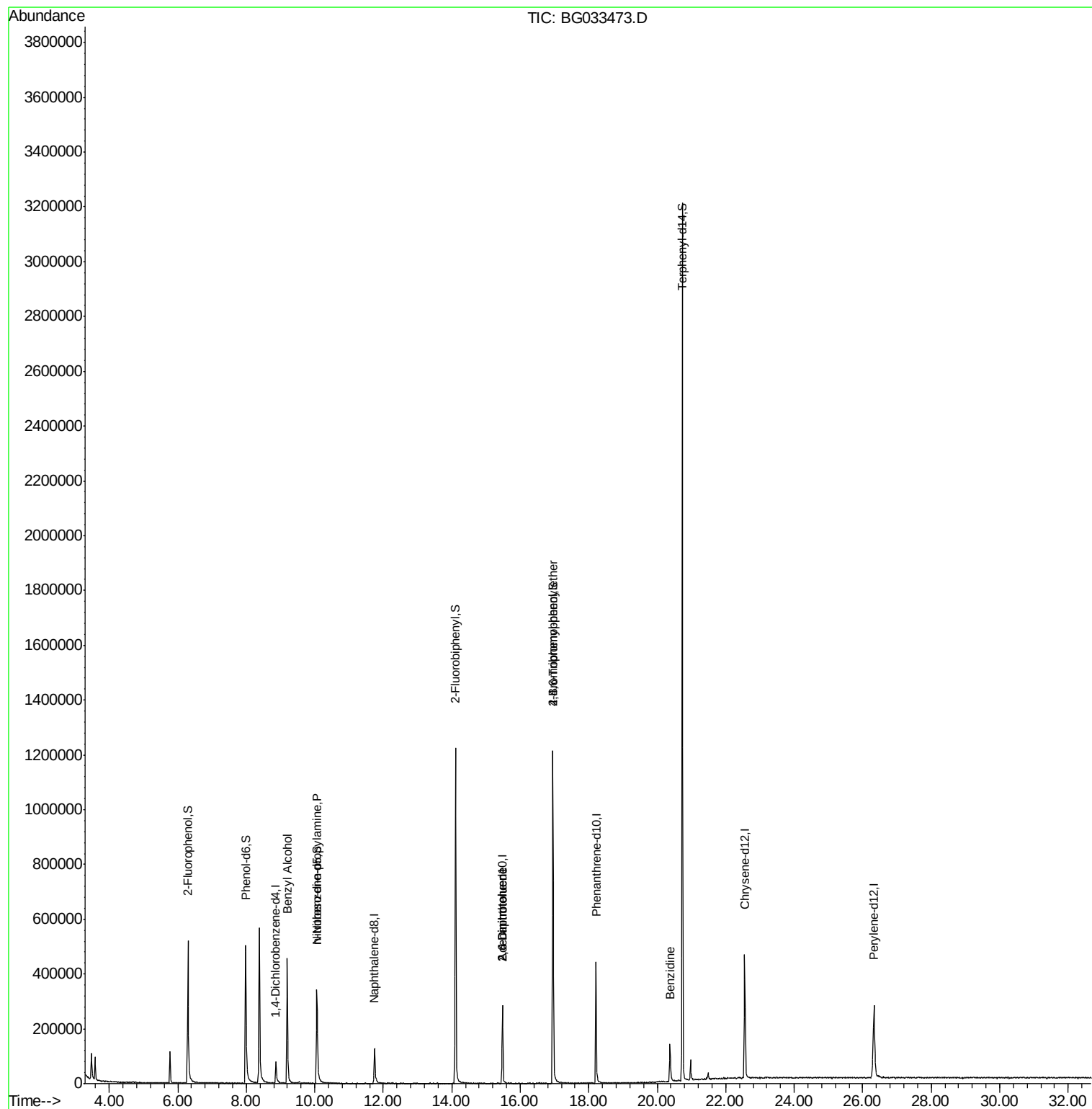
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	31003	20.00	ng	-0.02
21) Naphthalene-d8	11.75	136	137816	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	108922	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	331255	20.00	ng	0.00
75) Chrysene-d12	22.55	240	346459	20.00	ng	0.00
86) Perylene-d12	26.33	264	364044	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	261443	158.13	ng	0.00
7) Phenol-d6	7.98	99	371212	130.67	ng	0.00
23) Nitrobenzene-d5	10.06	82	279515	93.18	ng	-0.02
41) 2,4,6-Tribromophenol	16.95	330	255408	156.78	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	720137	95.45	ng	0.00
78) Terphenyl-d14	20.73	244	1554608	95.96	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.20	79	5041	2.254	ng	# 39
19) n-Nitroso-di-n-propylamine	10.06	70	38894	18.684	ng	# 77
50) 2,6-Dinitrotoluene	15.48	165	13849	7.145	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	13850	4.853	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	18878	4.853	ng	# 1
76) Benzidine	20.37	184	107739	11.467	ng	97

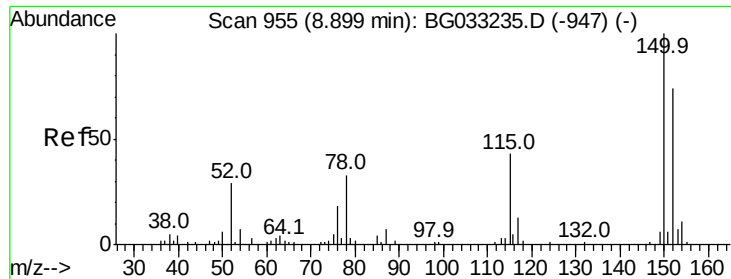
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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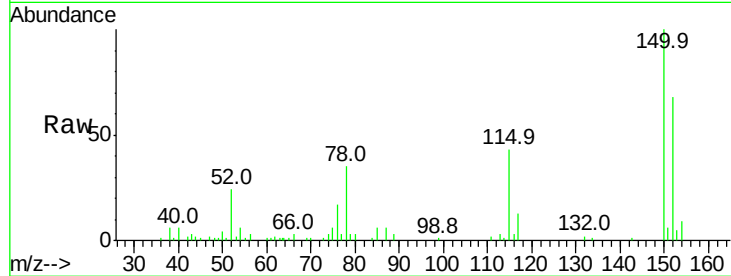


#1

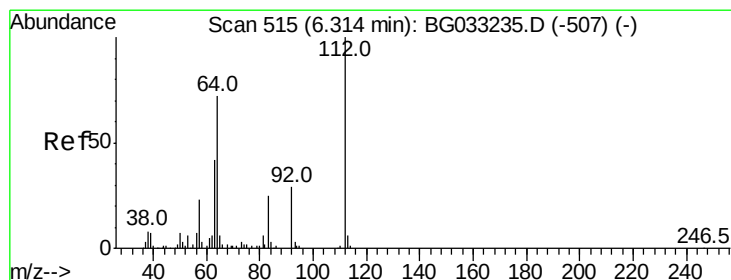
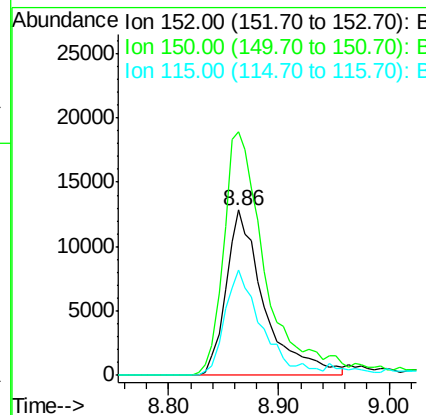
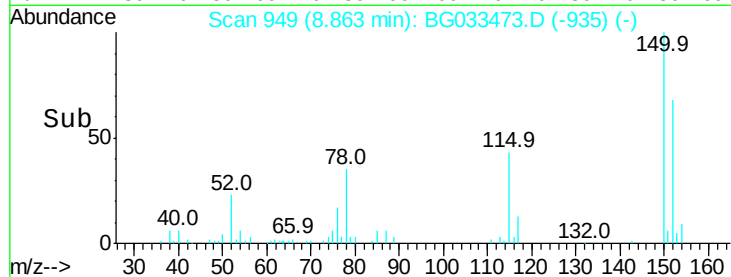
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.02 min
Lab File: BG033473.D
Acq: 31 Mar 2018 8:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31003
Ion Ratio Lower Upper
152 100
150 147.3 126.6 189.8
115 63.7 53.0 79.4



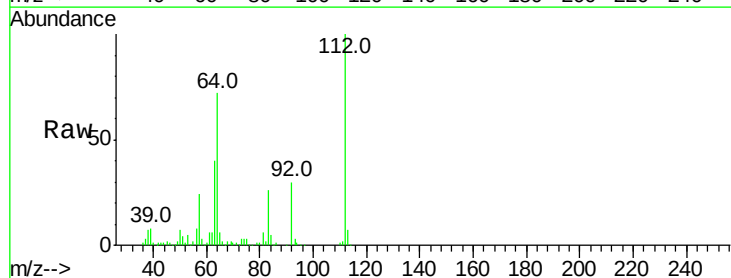
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



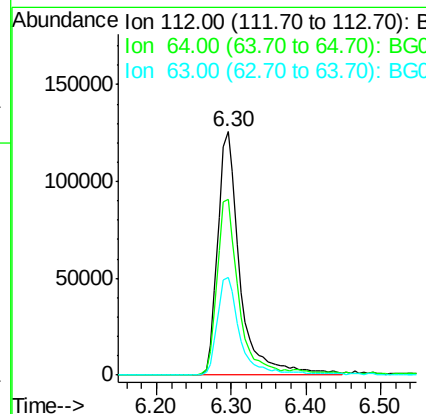
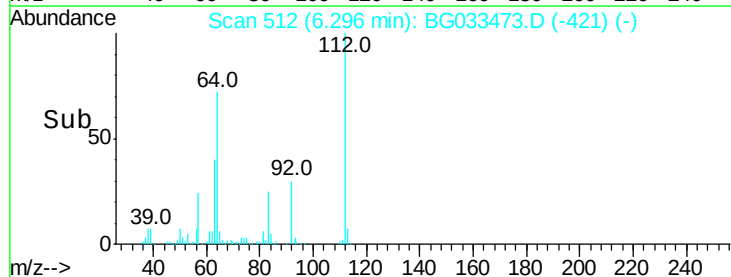
#5

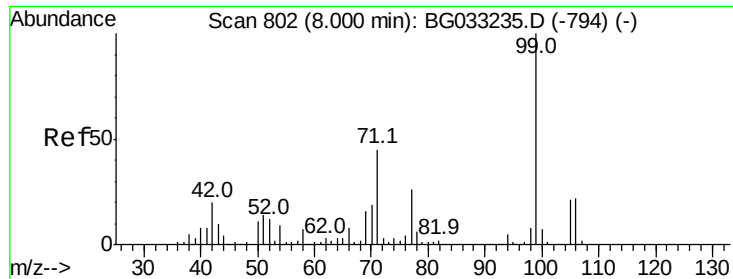
2-Fluorophenol
Concen: 158.126 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.00 min
Lab File: BG033473.D
Acq: 31 Mar 2018 8:06

Tgt Ion:112 Resp: 261443
Ion Ratio Lower Upper
112 100
64 72.3 56.3 84.5
63 40.4 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: 130.669 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

Instrument :

BNA_G

ClientSampleId :

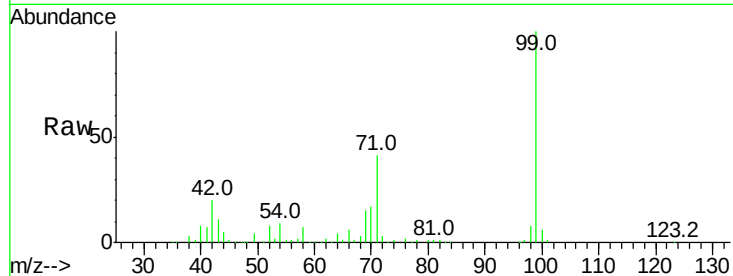
Tot Ion: 99 Resp: 371212

Ion Ratio Lower Upper

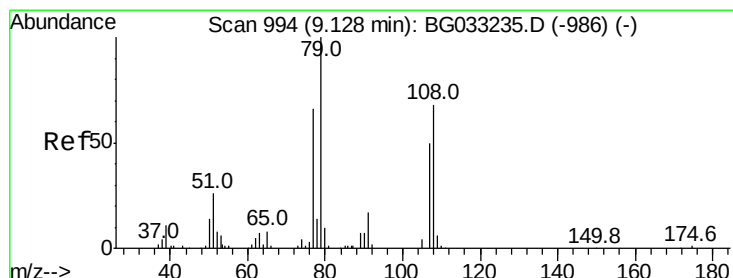
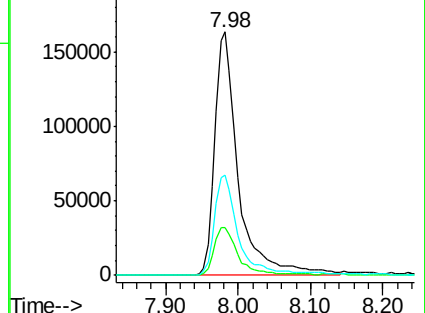
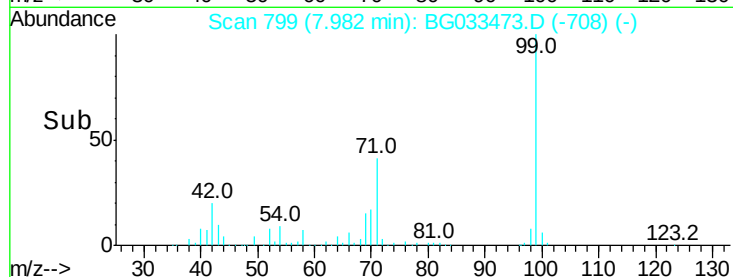
99 100

42 19.9 14.1 21.1

71 41.3 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: 2.254 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

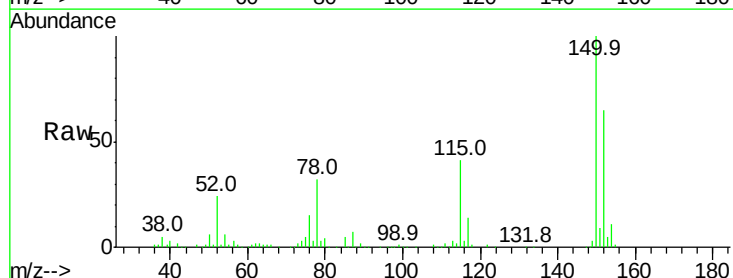
Tgt Ion: 79 Resp: 5041

Ion Ratio Lower Upper

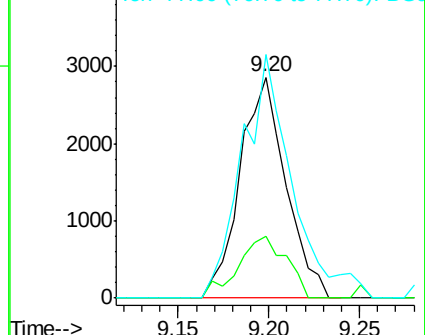
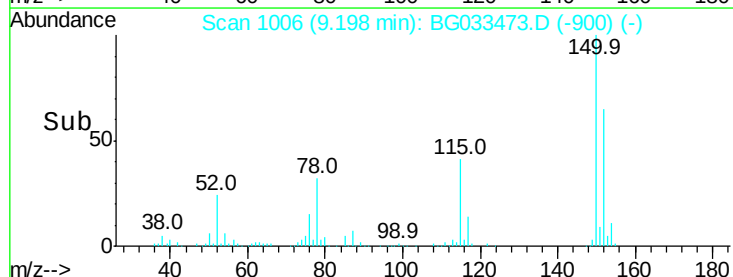
79 100

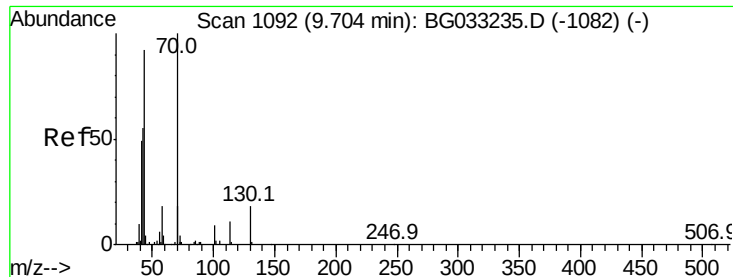
108 28.0 57.2 85.8#

77 110.2 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

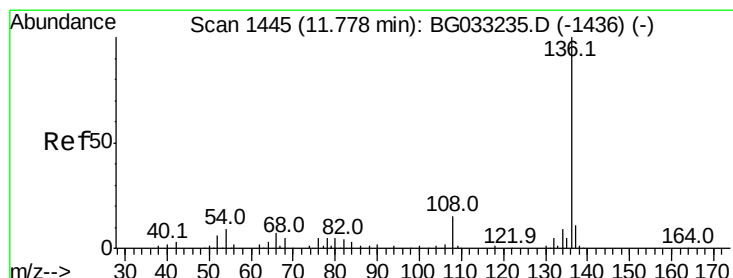
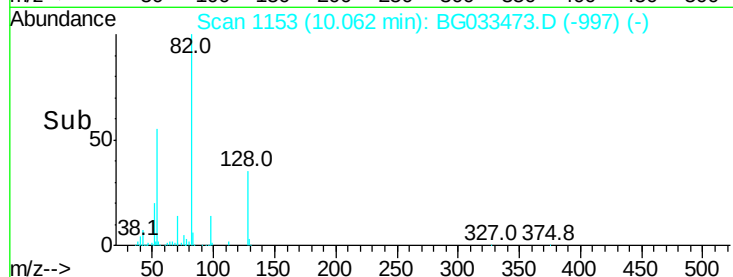
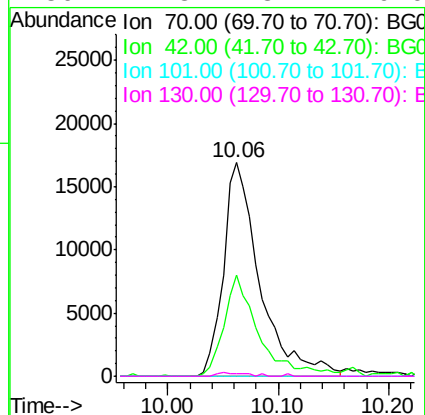
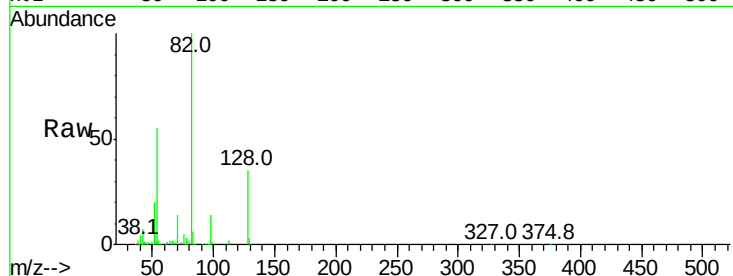




#19
n-Nitroso-di-n-propylamine
Concen: 18.684 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.38 min
Lab File: BG033473.D
Acq: 31 Mar 2018 8:06

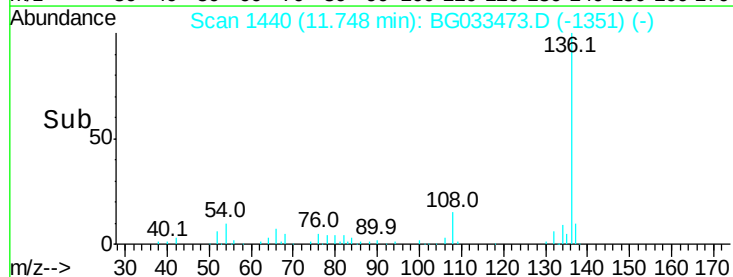
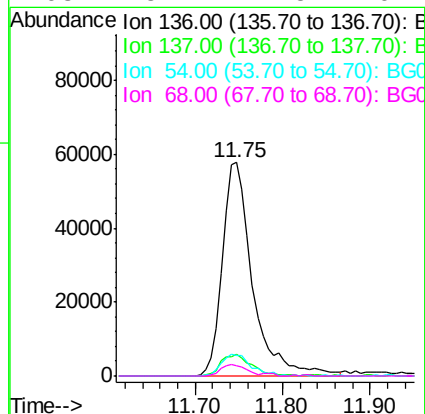
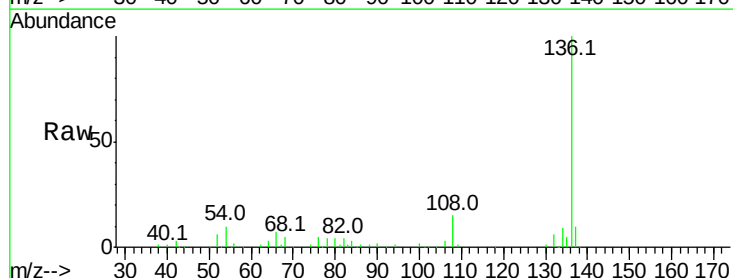
Instrument :
BNA_G
ClientSampled :

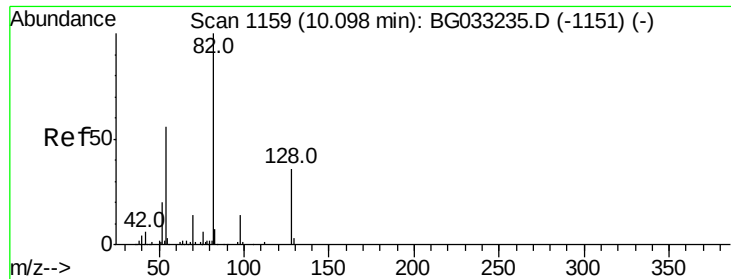
Tot Ion: 70 Resp: 38894
Ion Ratio Lower Upper
70 100
42 47.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033473.D
Acq: 31 Mar 2018 8:06

Tgt Ion: 136 Resp: 137816
Ion Ratio Lower Upper
136 100
137 10.0 9.2 13.8
54 9.8 10.3 15.5#
68 5.1 4.5 6.7

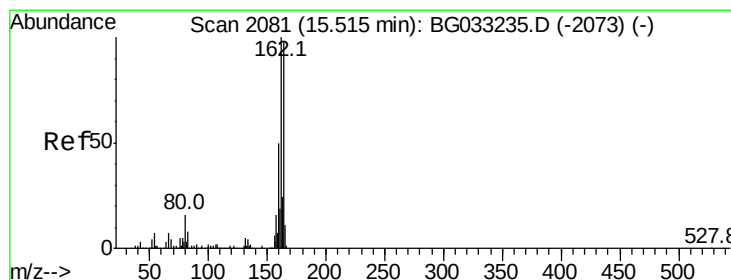
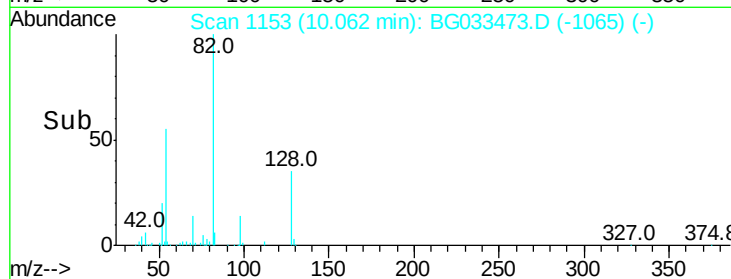
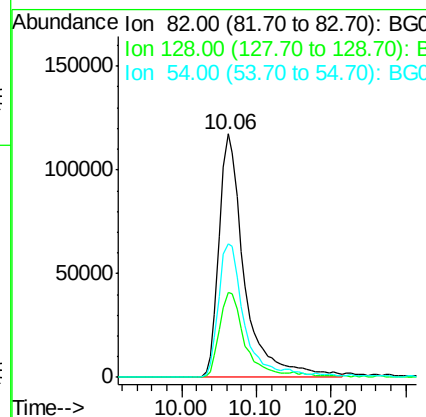
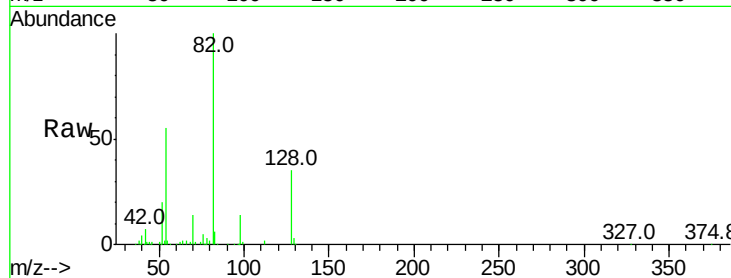




#23
 Nitrobenzene-d5
 Concen: 93.183 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BG033473.D
 Acq: 31 Mar 2018 8:06

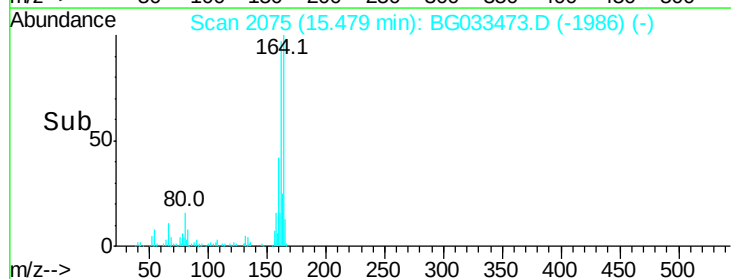
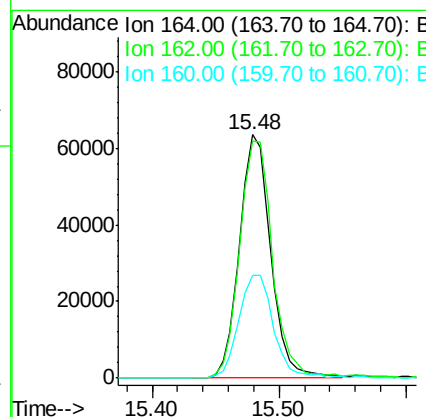
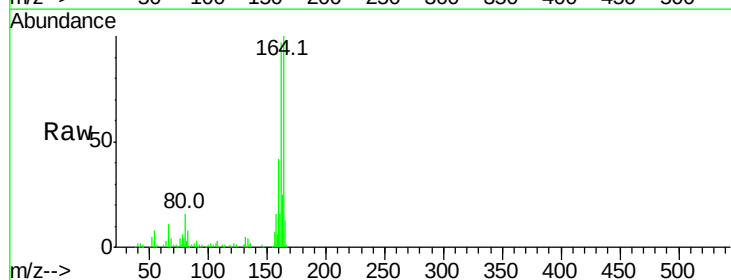
Instrument :
 BNA_G
 ClientSampleId :

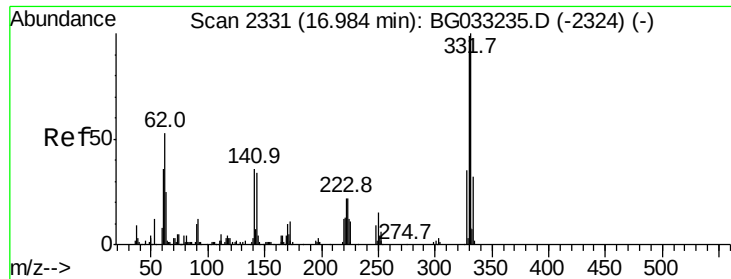
Tot Ion	82	Resp	279515
Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.7	44.5
54	54.7	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: BG033473.D
 Acq: 31 Mar 2018 8:06

Tgt Ion	164	Resp	108922
Ion	Ratio	Lower	Upper
164	100		
162	97.2	78.8	118.2
160	42.4	35.4	53.0

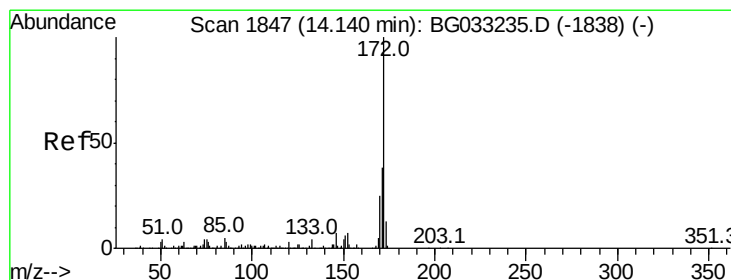
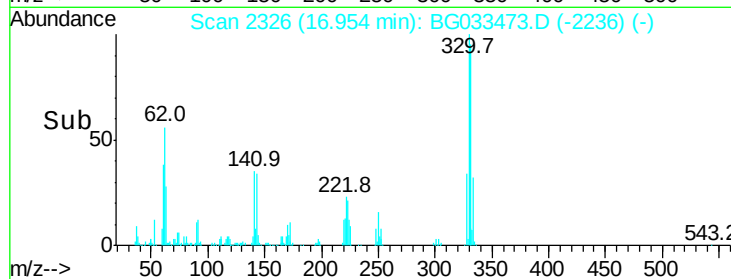
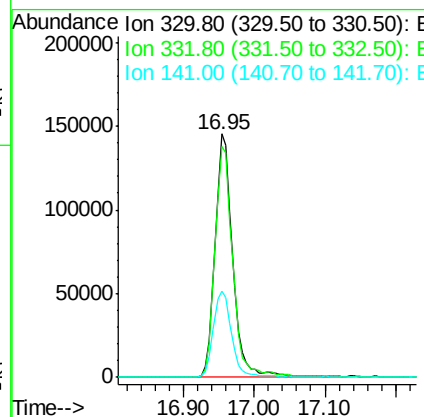
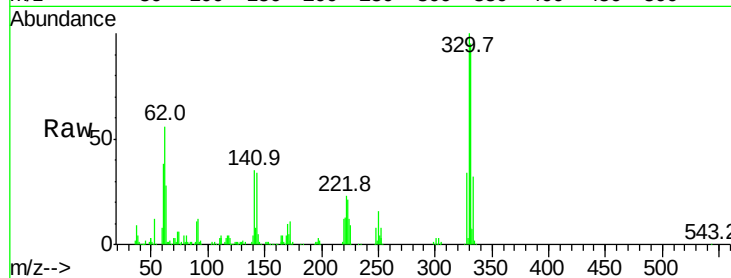




#41
 2,4,6-Tribromophenol
 Concen: 156.783 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033473.D
 Acq: 31 Mar 2018 8:06

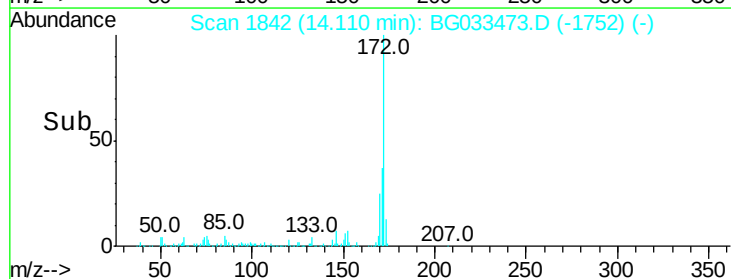
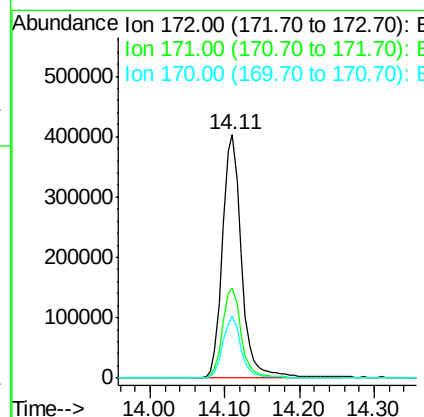
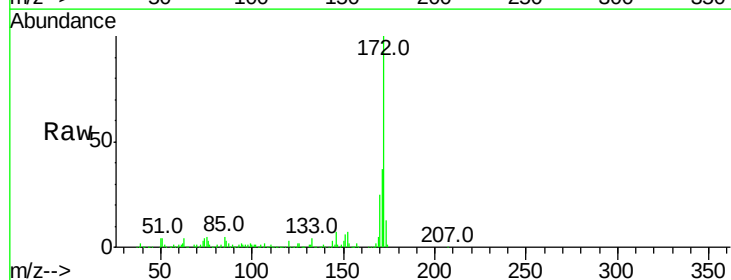
Instrument :
 BNA_G
 ClientSampleId :

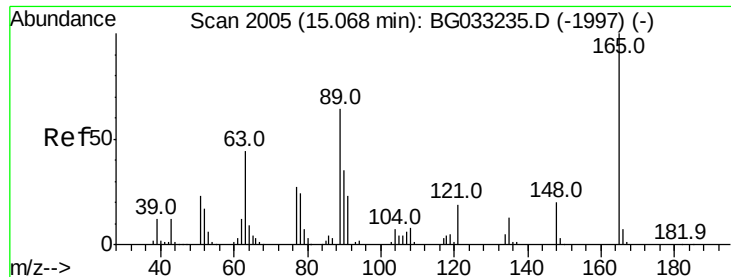
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	36.4	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 95.446 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033473.D
 Acq: 31 Mar 2018 8:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	25.1	19.5	29.3





#50

2,6-Dinitrotoluene

Concen: 7.145 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.43 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

Instrument :

BNA_G

ClientSampled :

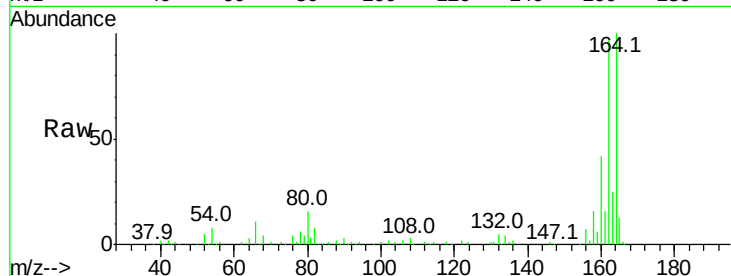
Tot Ion:165 Resp: 13849

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

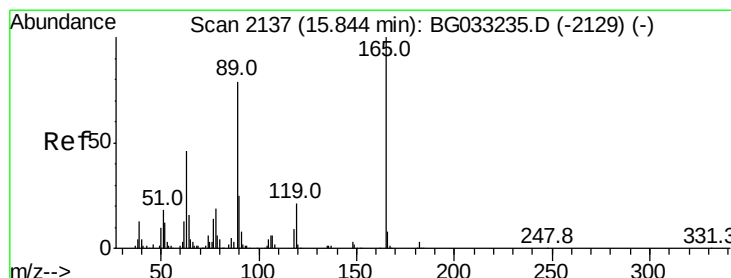
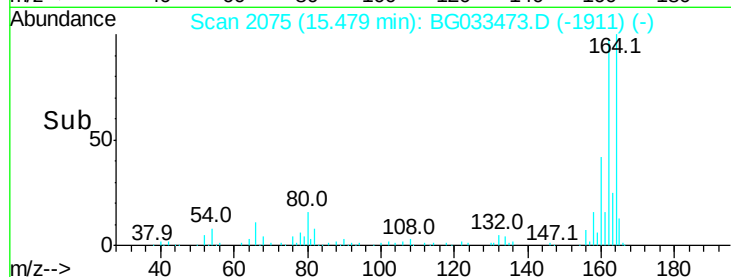
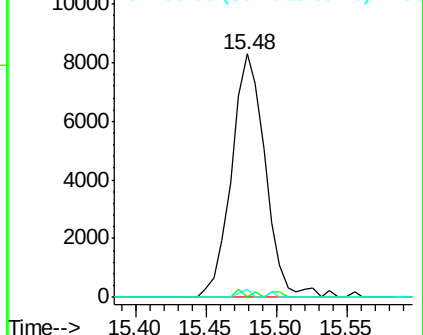
89 3.3 49.2 73.8#



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: 4.853 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.34 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

Tgt Ion:165 Resp: 13850

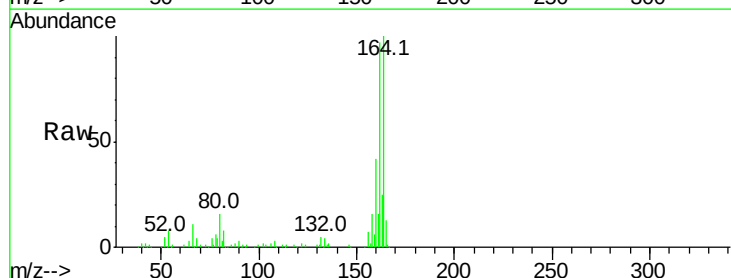
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.3 66.9 100.3#

182 0.0 2.6 3.8#

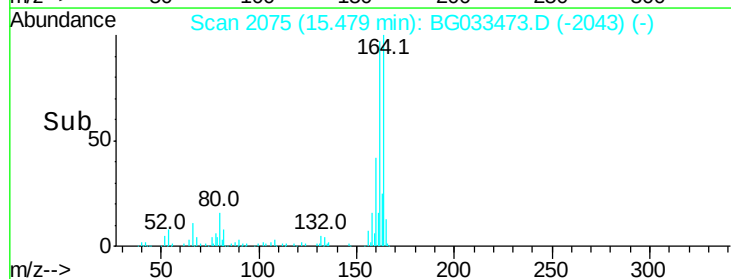
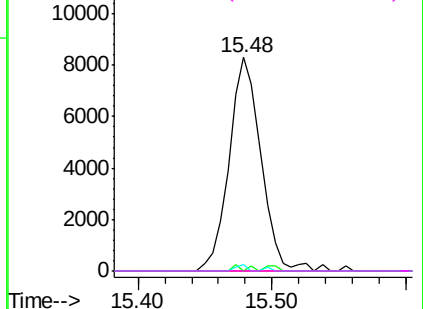


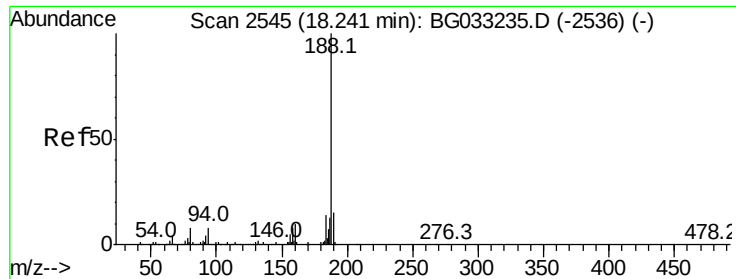
Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

Instrument :

BNA_G

ClientSampleId :

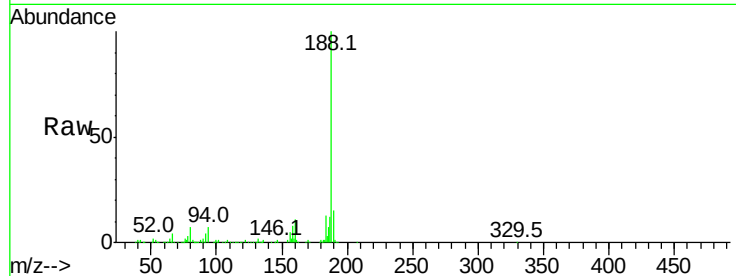
Tot Ion:188 Resp: 331255

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

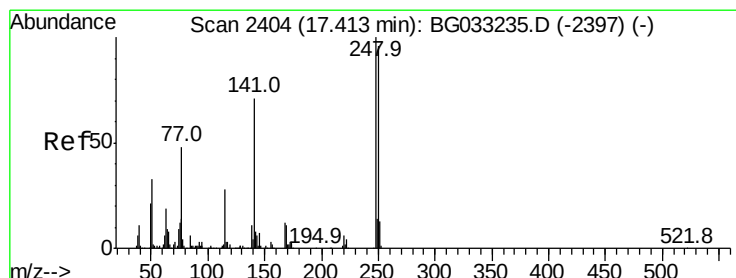
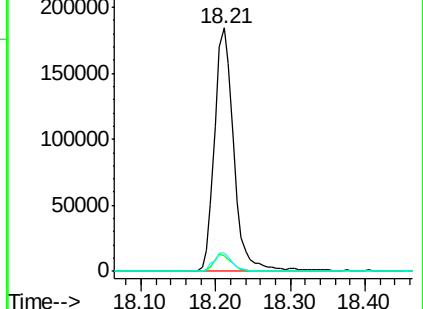
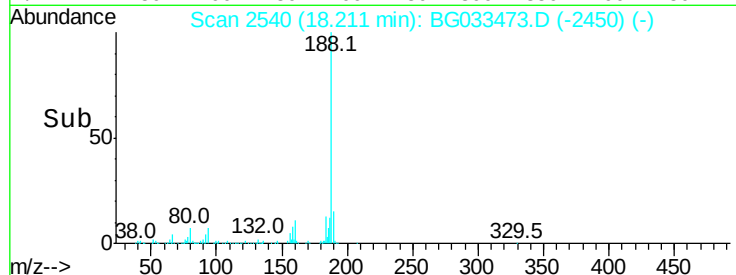
80 7.4 7.7 11.5#



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: 4.853 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.43 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

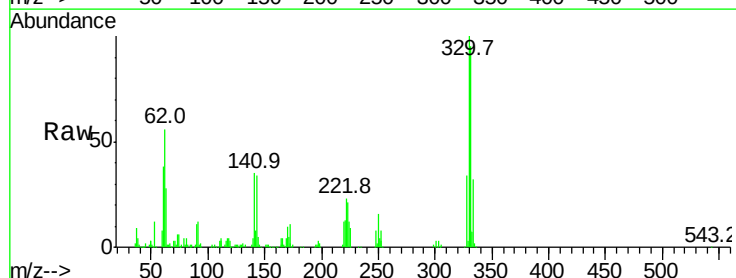
Tgt Ion:248 Resp: 18878

Ion Ratio Lower Upper

248 100

250 191.4 77.1 115.7#

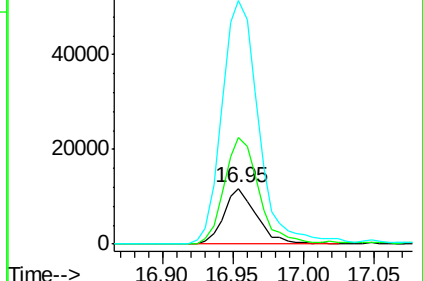
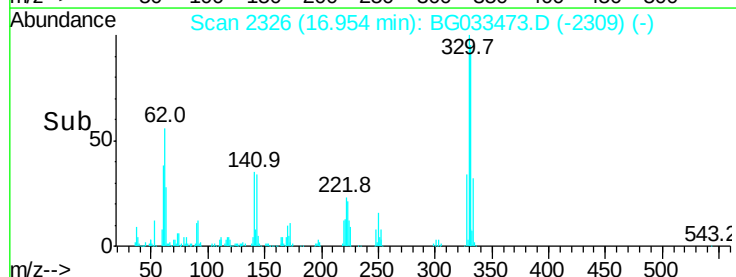
141 436.4 50.8 76.2#

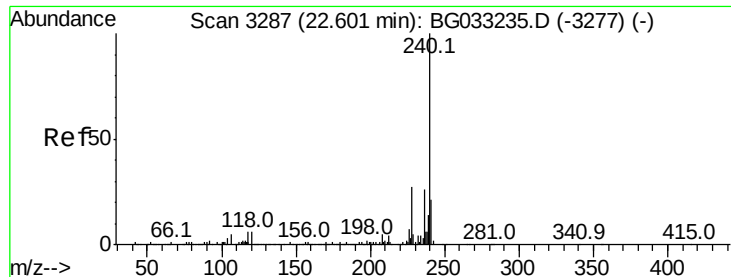


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

Instrument :

BNA_G

ClientSampleId :

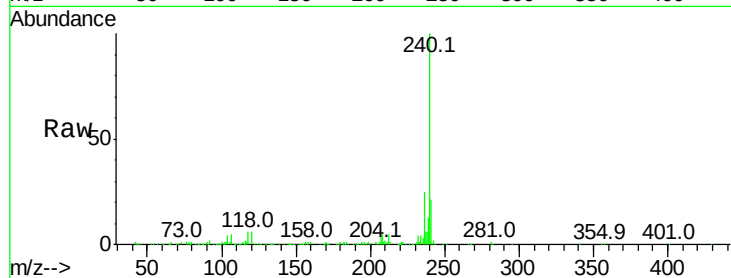
Tot Ion:240 Resp: 346459

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

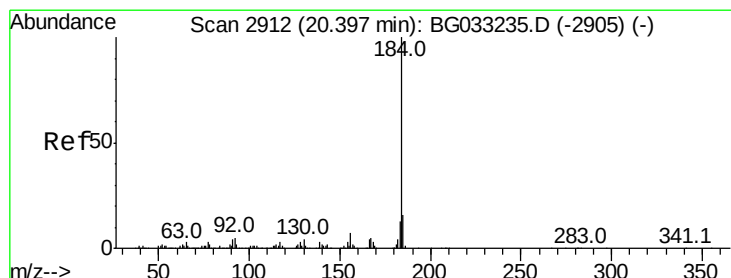
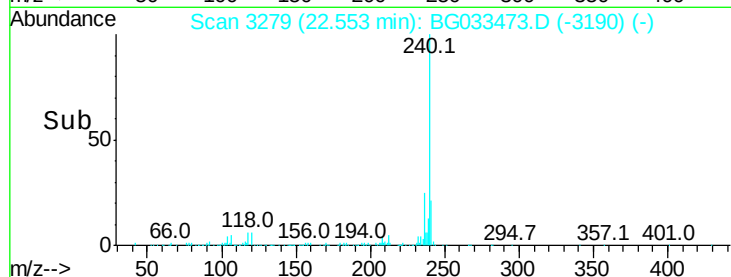
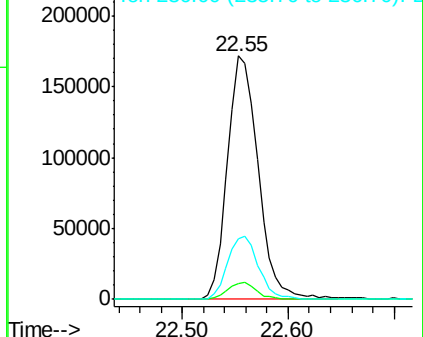
236 24.9 20.9 31.3



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: 11.467 ng

RT: 20.37 min Scan# 2908

Delta R.T. 0.00 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

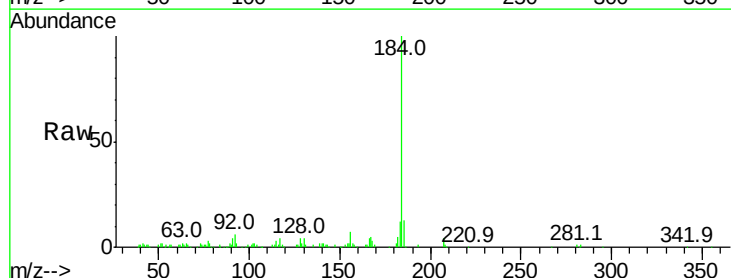
Tgt Ion:184 Resp: 107739

Ion Ratio Lower Upper

184 100

185 13.1 11.1 16.7

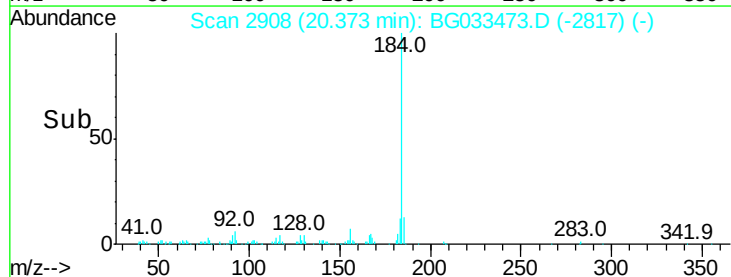
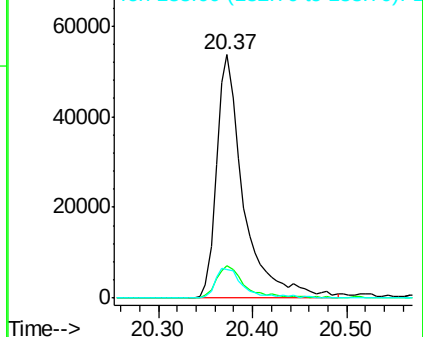
183 12.0 10.6 16.0

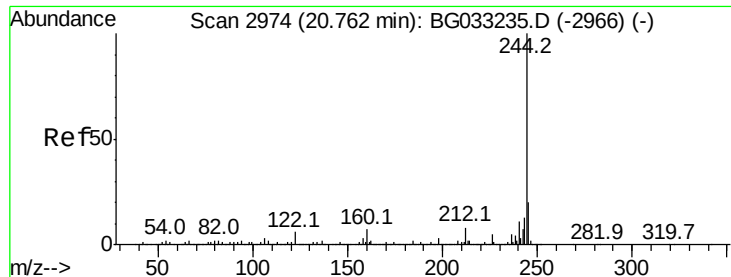


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.962 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

Instrument :

BNA_G

ClientSampled :

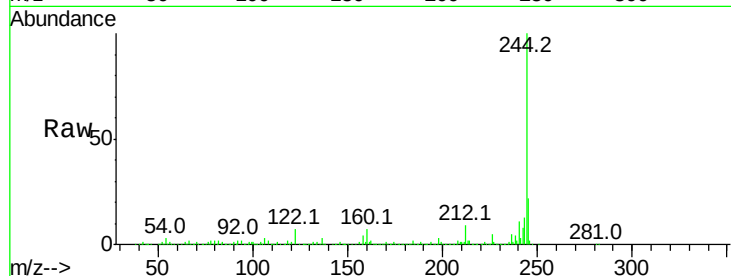
Tot Ion:244 Resp: 1554608

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

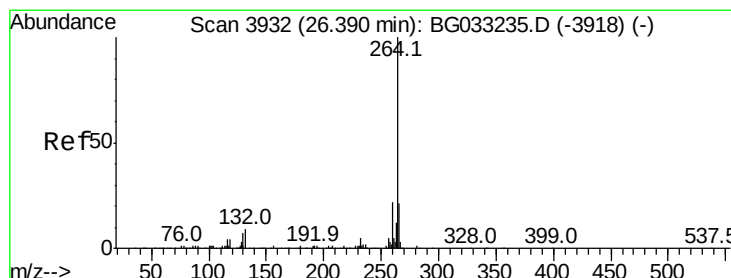
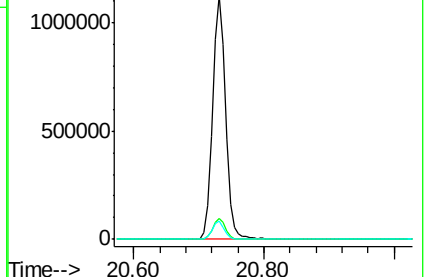
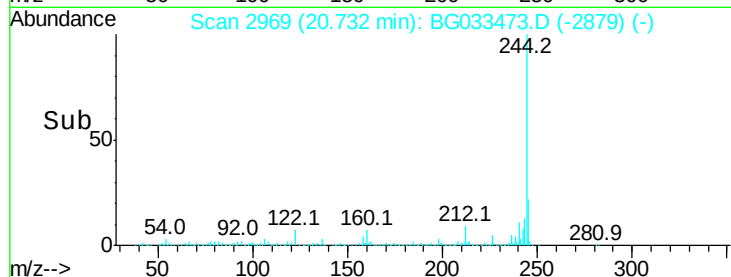
122 7.3 7.0 10.4



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: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033473.D

Acq: 31 Mar 2018 8:06

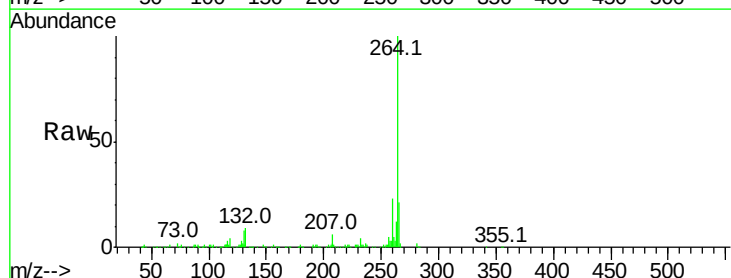
Tgt Ion:264 Resp: 364044

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 21.2 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

