

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033378.D
 Acq On : 28 Mar 2018 1:13
 Operator : SJ/JU
 Sample : J2061-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:59:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

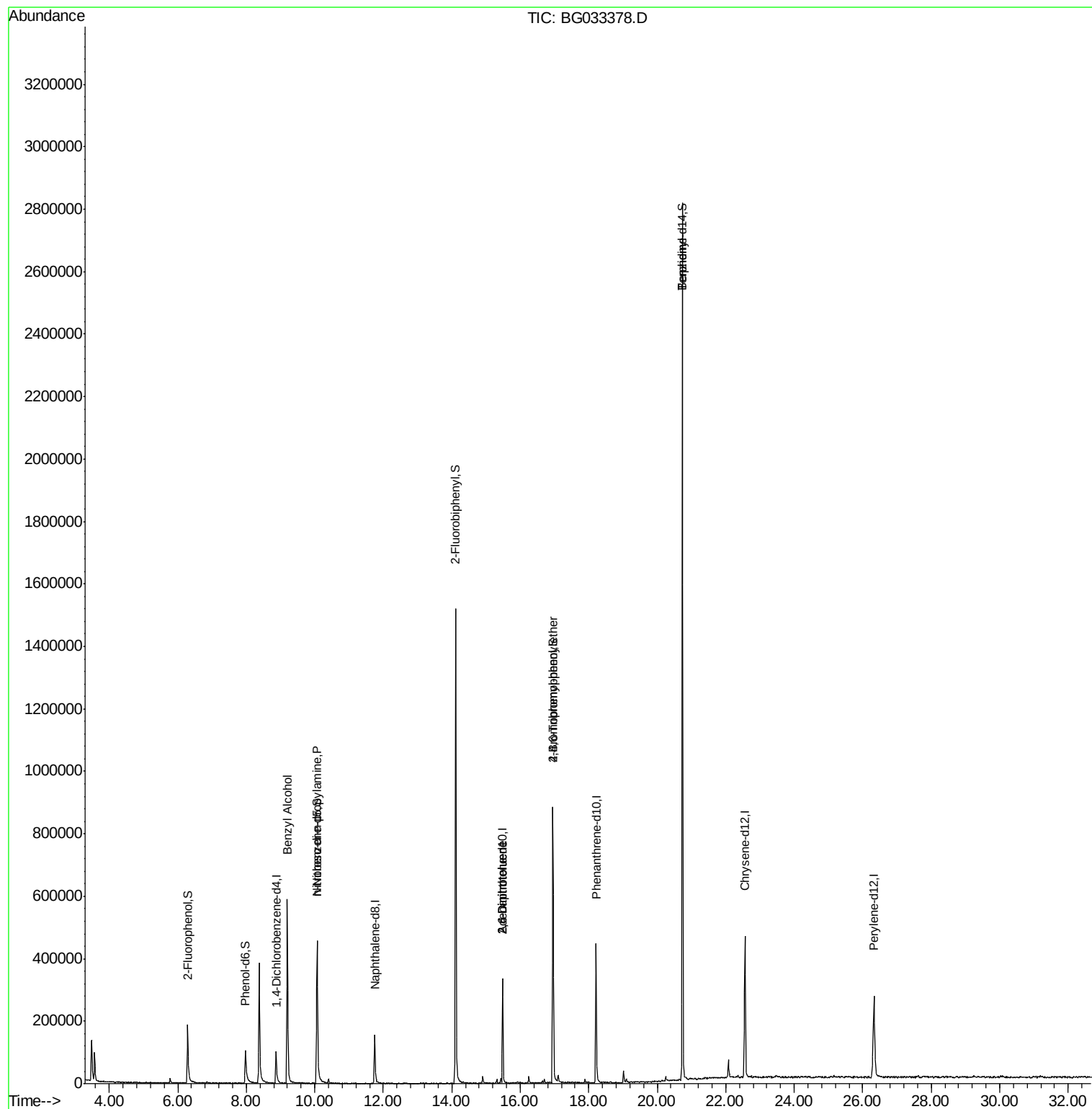
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	40394	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	154882	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	123537	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	332547	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	337437	20.00	ng	-0.04
86) Perylene-d12	26.32	264	357690	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	101505	47.12	ng	-0.02
7) Phenol-d6	7.98	99	95877	25.90	ng	-0.02
23) Nitrobenzene-d5	10.07	82	353878	104.97	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	193607	104.79	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	905507	105.82	ng	-0.03
78) Terphenyl-d14	20.73	244	1436971	91.07	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	9.20	79	6622	2.272	ng	# 58
19) n-Nitroso-di-n-propylamine	10.06	70	49763	18.348	ng	# 80
50) 2,6-Dinitrotoluene	15.48	165	16574	7.539	ng	# 21
56) 2,4-Dinitrotoluene	15.48	165	16573	5.120	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	14157	3.625	ng	# 1
76) Benzidine	20.73	184	23116	2.526	ng	# 89

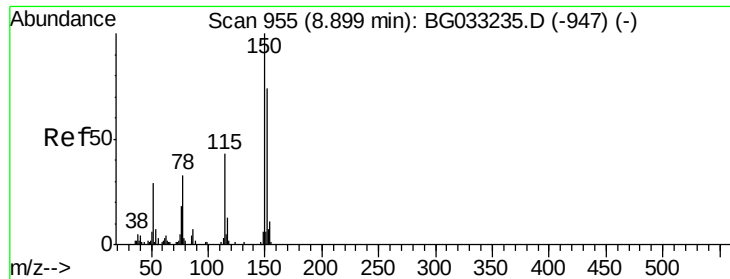
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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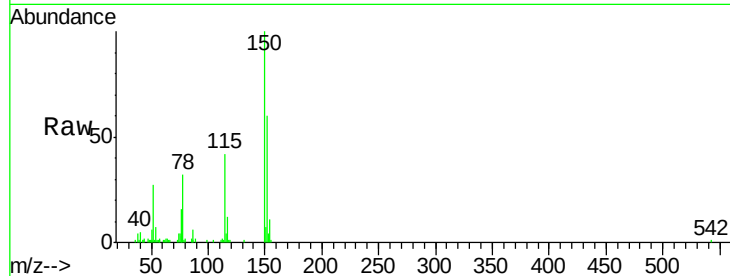


#1

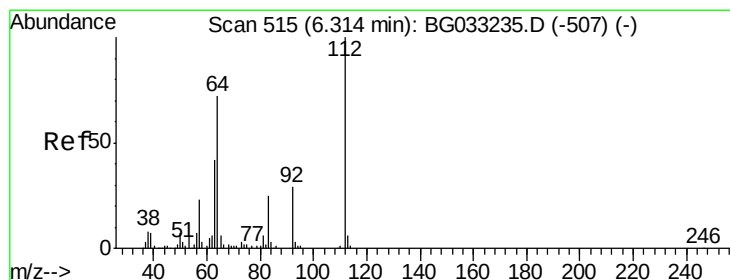
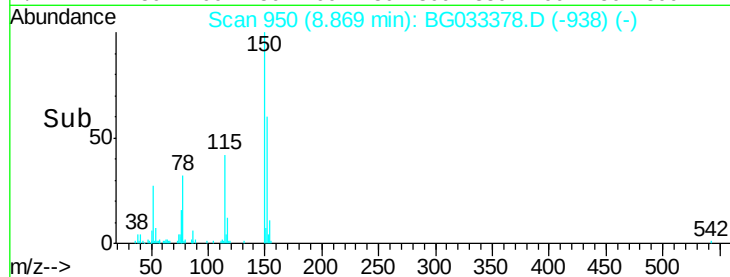
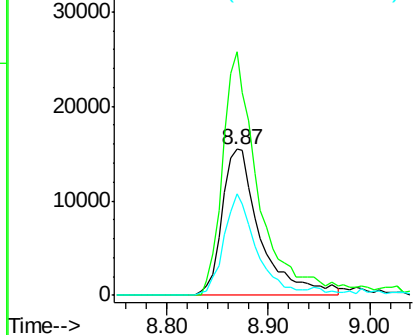
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033378.D
Acq: 28 Mar 2018 1:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.4	126.6	189.8
115	69.7	53.0	79.4



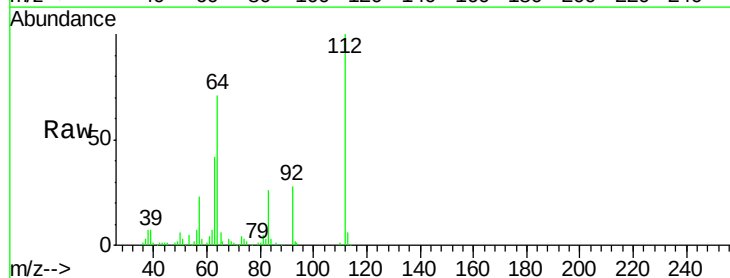
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



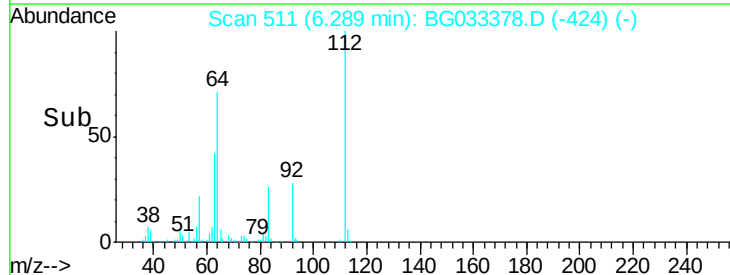
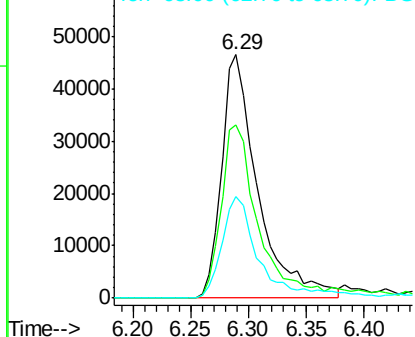
#5

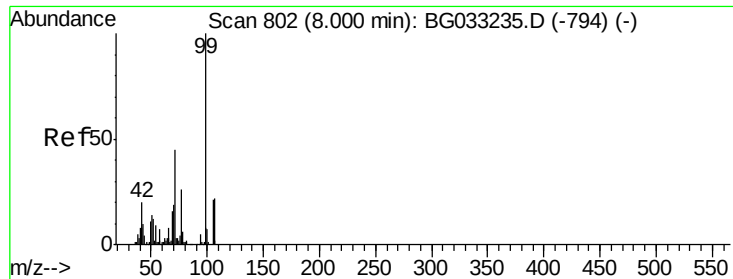
2-Fluorophenol
Concen: 47.119 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033378.D
Acq: 28 Mar 2018 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	56.3	84.5
63	41.5	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 25.903 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.02 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

Instrument :

BNA_G

ClientSampleId :

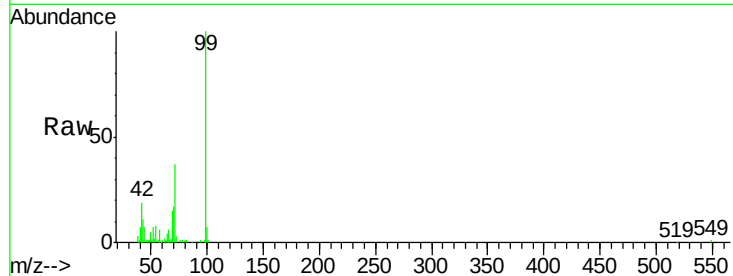
Tot Ion: 99 Resp: 95877

Ion Ratio Lower Upper

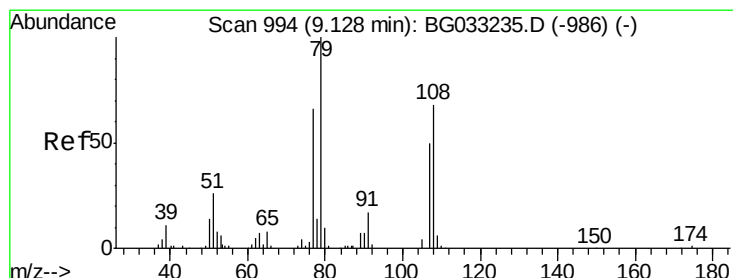
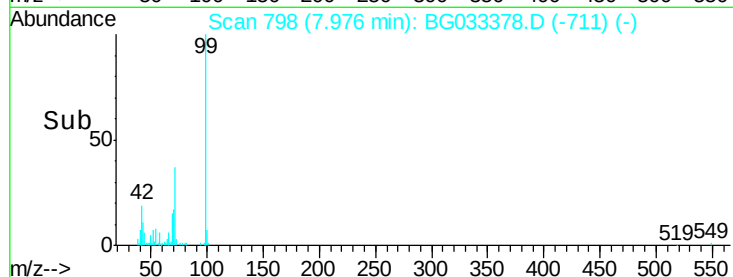
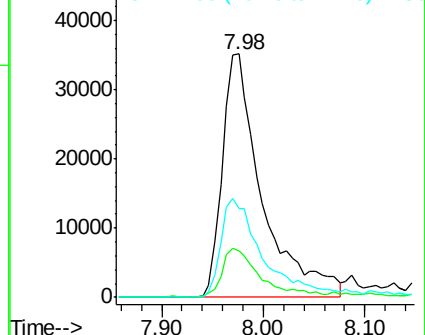
99 100

42 18.9 14.1 21.1

71 36.7 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



#15

Benzyl Alcohol

Concen: 2.272 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.07 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

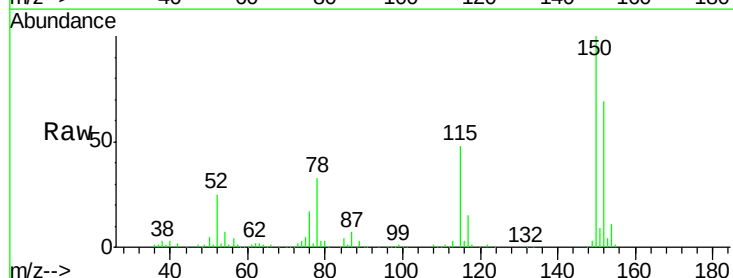
Tgt Ion: 79 Resp: 6622

Ion Ratio Lower Upper

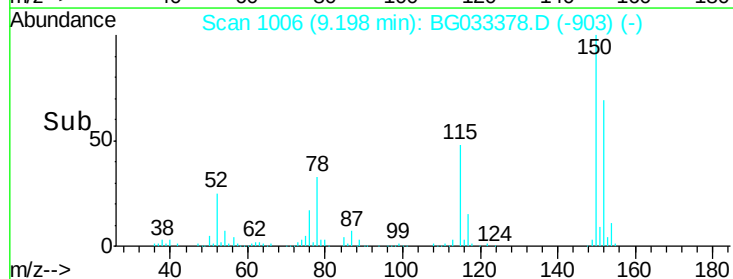
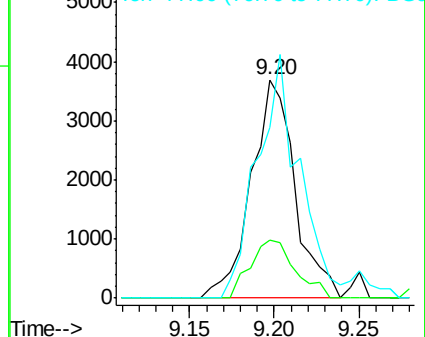
79 100

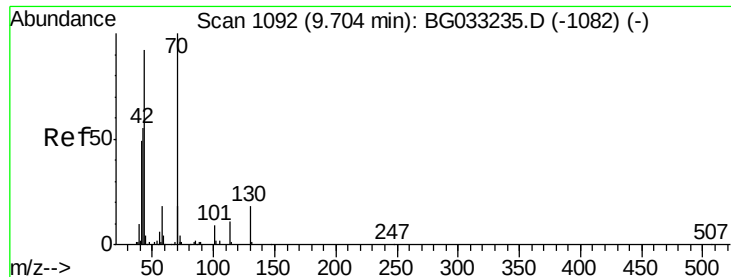
108 26.8 57.2 85.8#

77 78.4 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

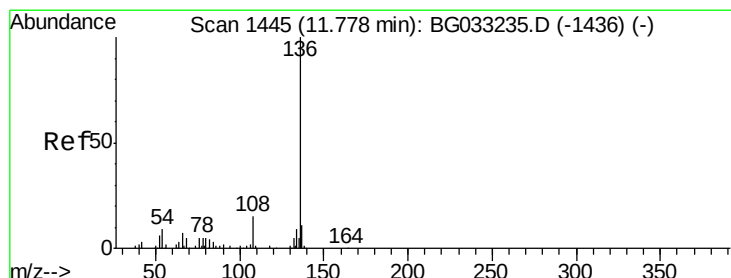
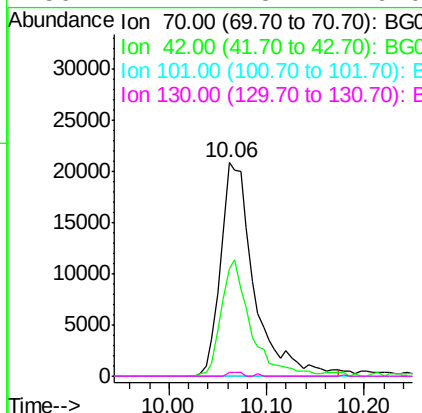
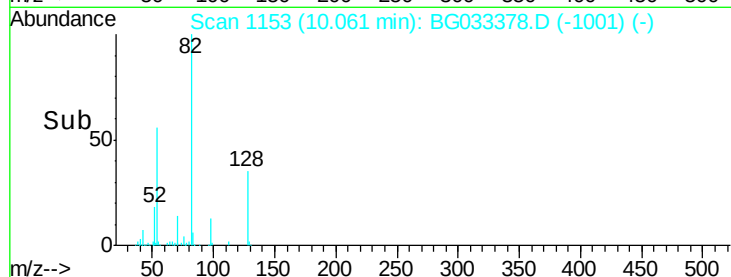
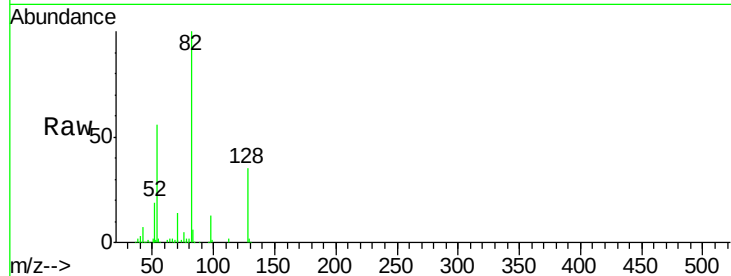




#19
n-Nitroso-di-n-propylamine
Concen: 18.348 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.36 min
Lab File: BG033378.D
Acq: 28 Mar 2018 1:13

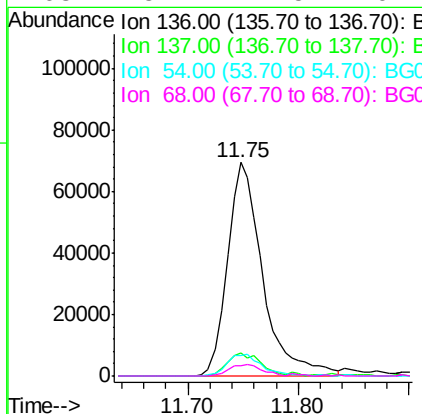
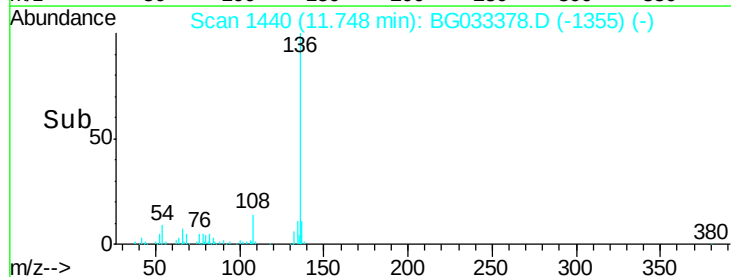
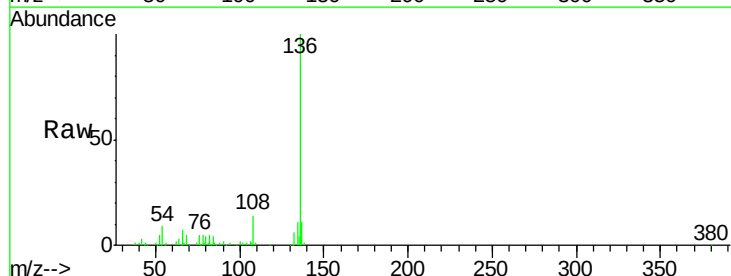
Instrument :
BNA_G
ClientSampleId :

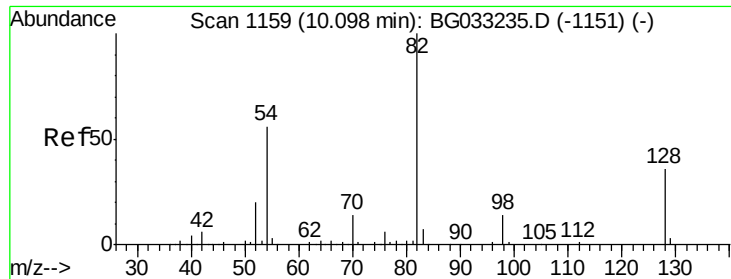
Tot Ion: 70 Resp: 49763
Ion Ratio Lower Upper
70 100
42 50.6 49.1 73.7
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033378.D
Acq: 28 Mar 2018 1:13

Tgt Ion: 136 Resp: 154882
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.5 10.3 15.5#
68 5.1 4.5 6.7

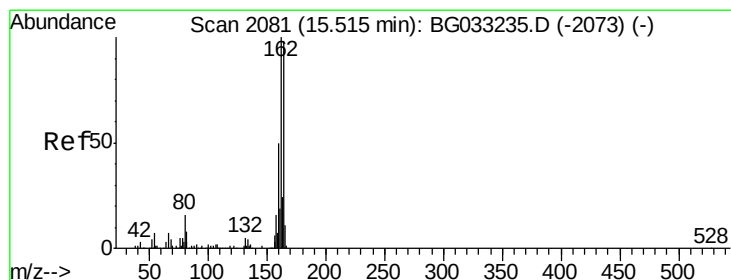
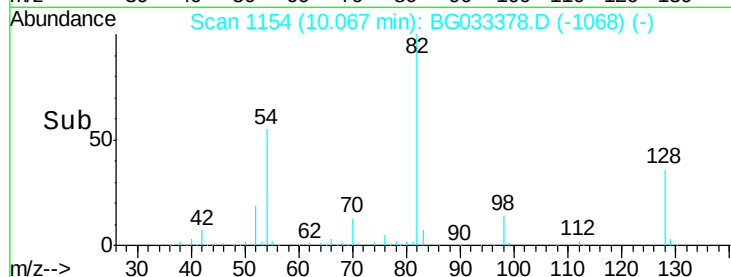
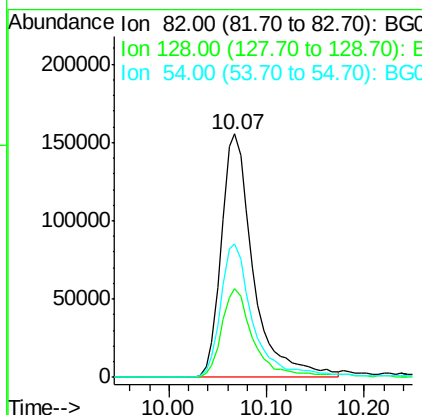
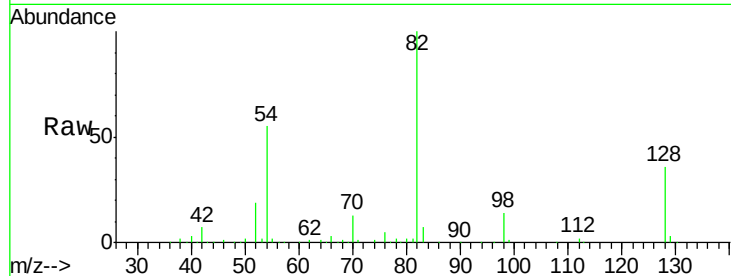




#23
 Nitrobenzene-d5
 Concen: 104.974 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. -0.03 min
 Lab File: BG033378.D
 Acq: 28 Mar 2018 1:13

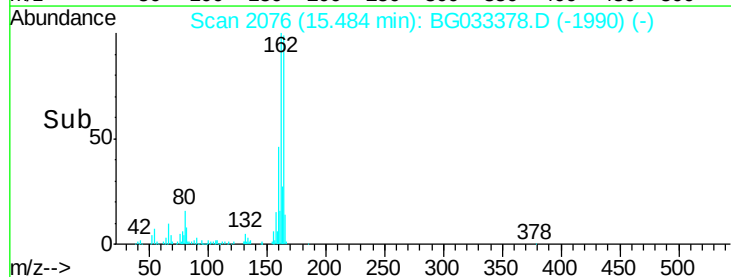
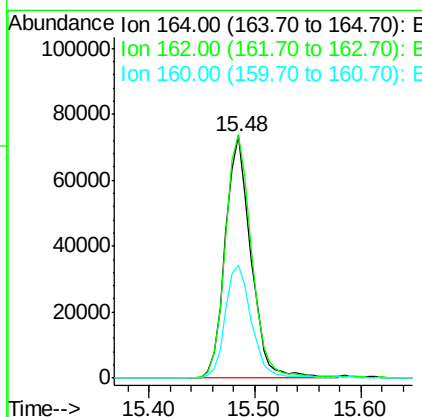
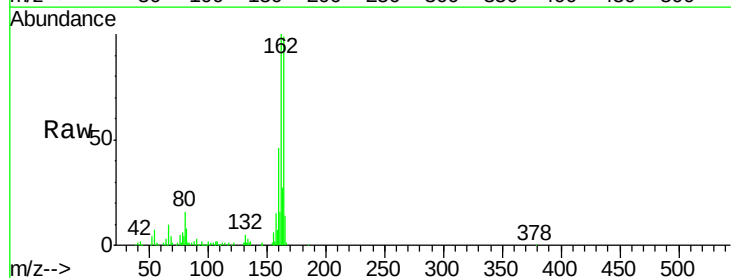
Instrument :
 BNA_G
 ClientSampled :

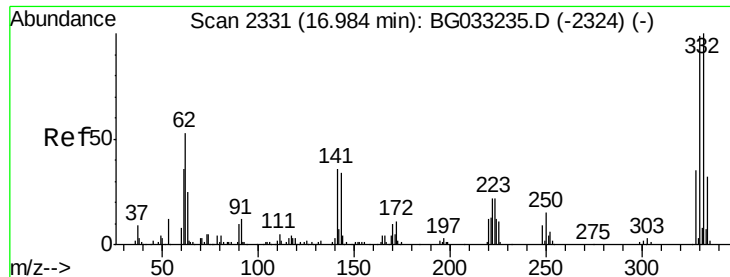
Tot Ion	82	Resp	353878
Ion Ratio	Lower	Upper	
82	100		
128	36.2	29.7	44.5
54	54.8	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: BG033378.D
 Acq: 28 Mar 2018 1:13

Tgt Ion	164	Resp	123537
Ion Ratio	Lower	Upper	
164	100		
162	100.6	78.8	118.2
160	46.5	35.4	53.0

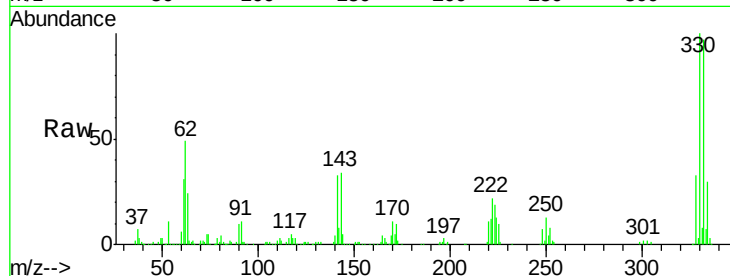




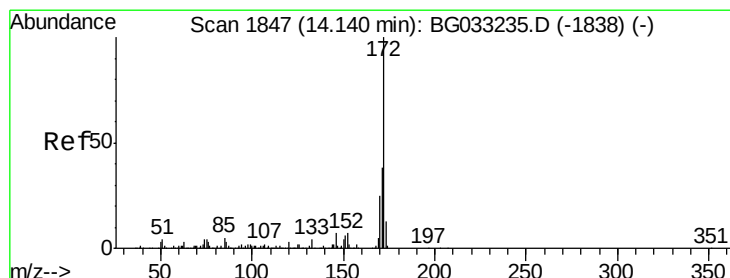
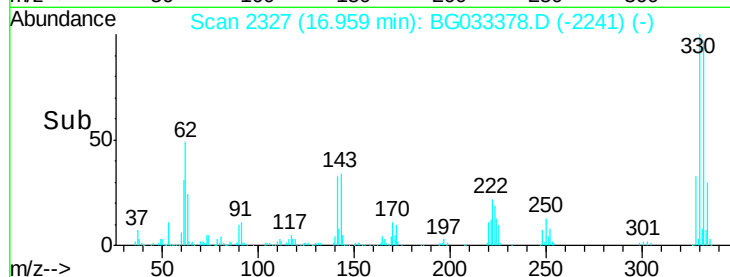
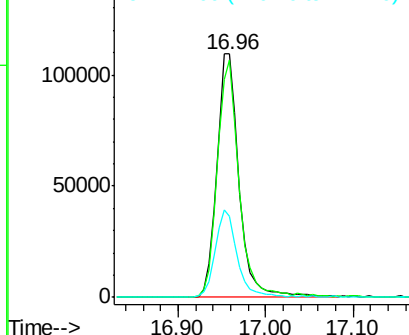
#41
 2,4,6-Tribromophenol
 Concen: 104.786 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. -0.03 min
 Lab File: BG033378.D
 Acq: 28 Mar 2018 1:13

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	35.7	25.2	37.8

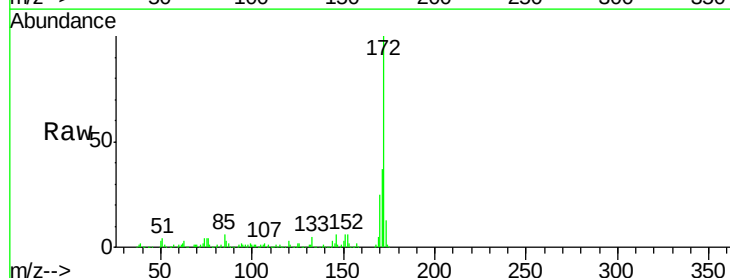


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

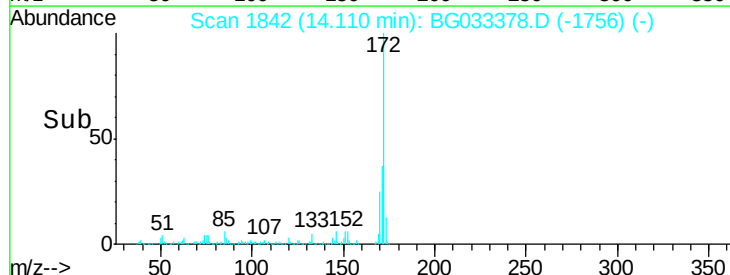
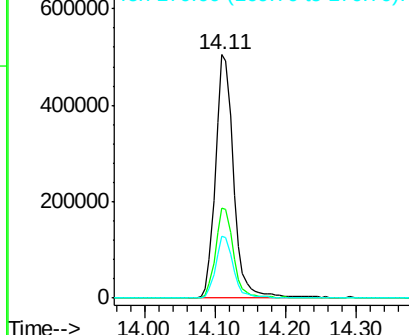


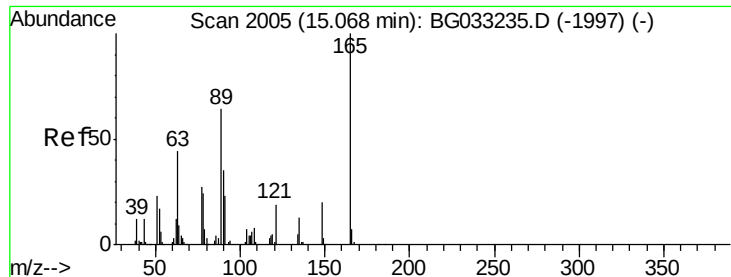
#44
 2-Fluorobiphenyl
 Concen: 105.816 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033378.D
 Acq: 28 Mar 2018 1:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	25.5	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

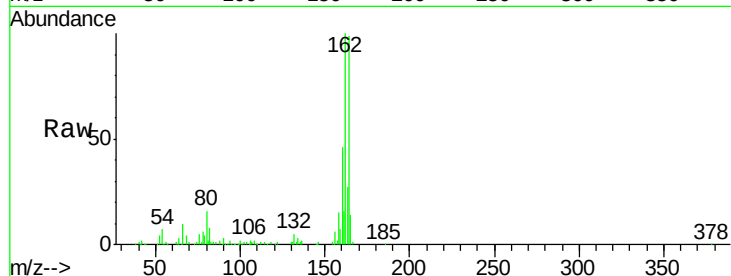




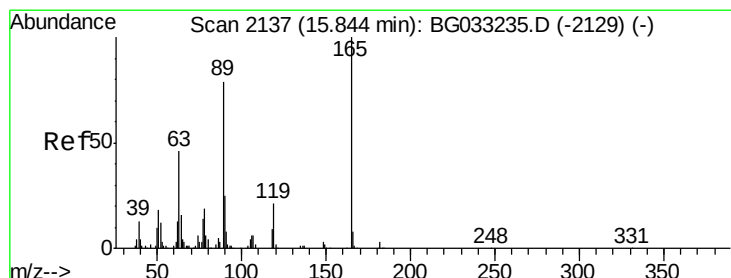
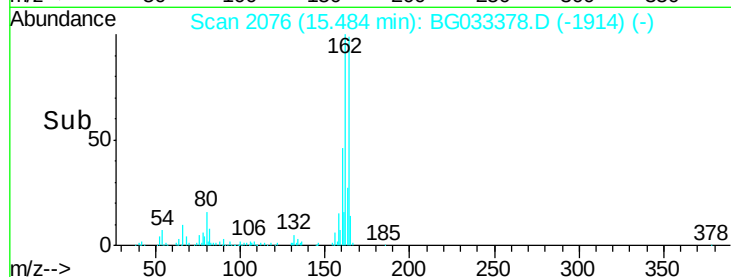
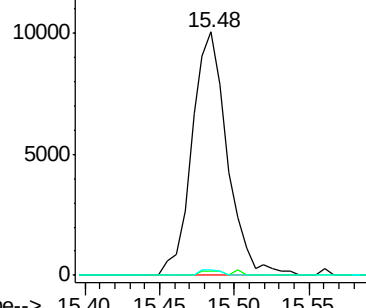
#50
2,6-Dinitrotoluene
Concen: 7.539 ng
RT: 15.48 min Scan# 2076
Delta R.T. 0.42 min
Lab File: BG033378.D
Acq: 28 Mar 2018 1:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16574
Ion Ratio Lower Upper
165 100
63 1.5 52.7 79.1#
89 2.4 49.2 73.8#

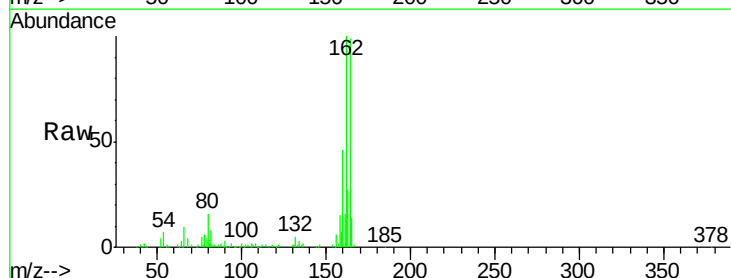


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

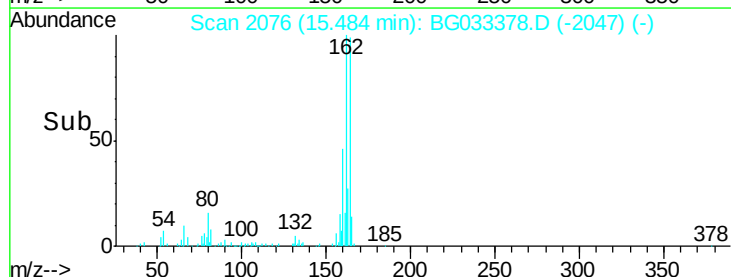
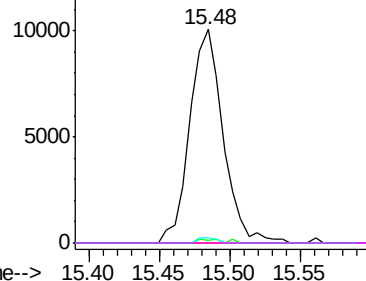


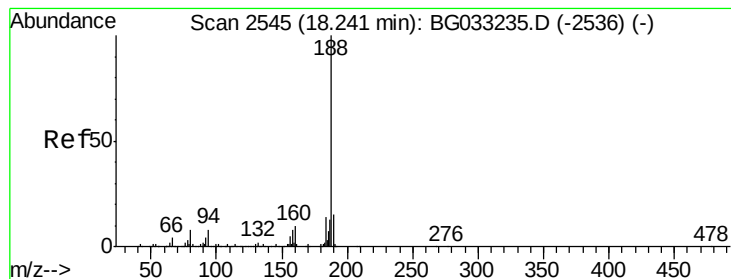
#56
2,4-Dinitrotoluene
Concen: 5.120 ng
RT: 15.48 min Scan# 2076
Delta R.T. -0.36 min
Lab File: BG033378.D
Acq: 28 Mar 2018 1:13

Tgt Ion:165 Resp: 16573
Ion Ratio Lower Upper
165 100
63 1.5 42.0 63.0#
89 2.4 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. -0.03 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

Instrument :

BNA_G

ClientSampled :

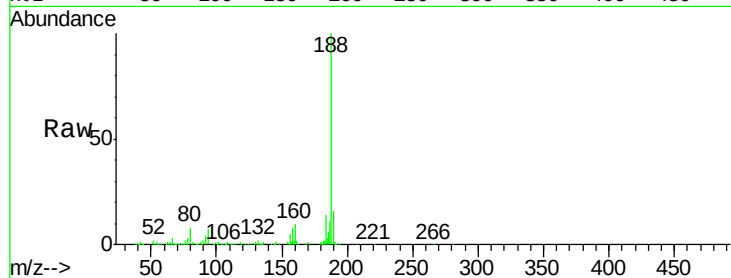
Tot Ion:188 Resp: 332547

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

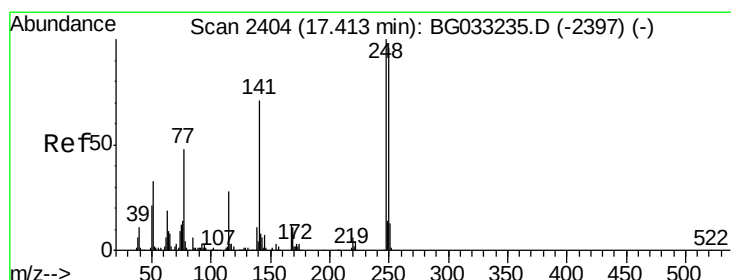
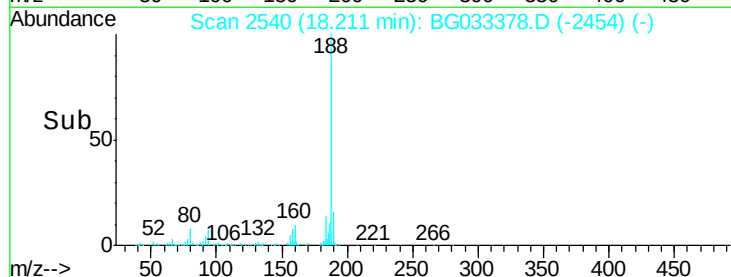
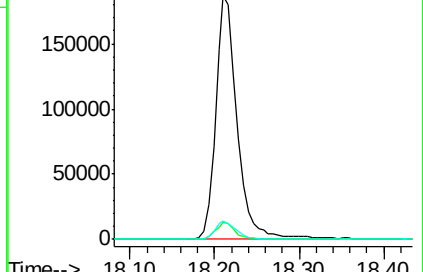
80 7.5 7.7 11.5#



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: 3.625 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.46 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

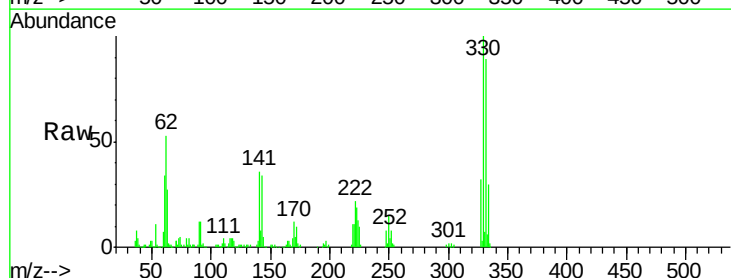
Tgt Ion:248 Resp: 14157

Ion Ratio Lower Upper

248 100

250 178.0 77.1 115.7#

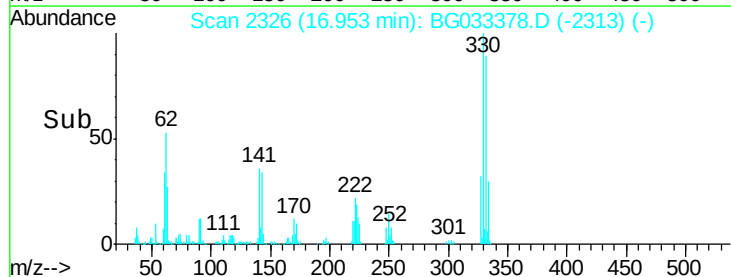
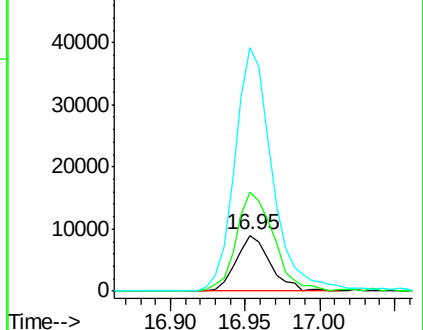
141 438.6 50.8 76.2#

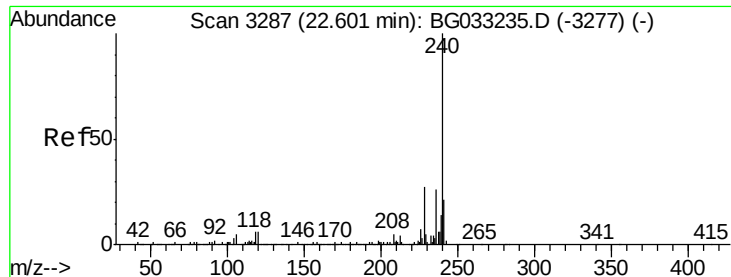


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

Instrument :

BNA_G

ClientSampleId :

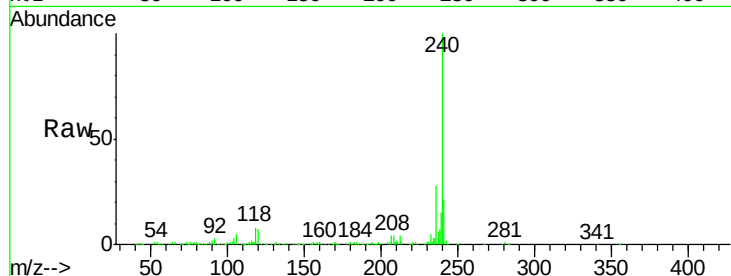
Tot Ion:240 Resp: 337437

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

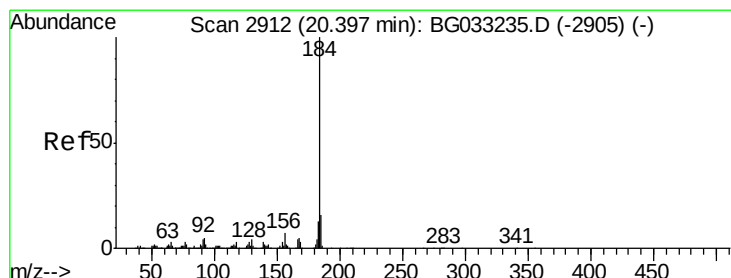
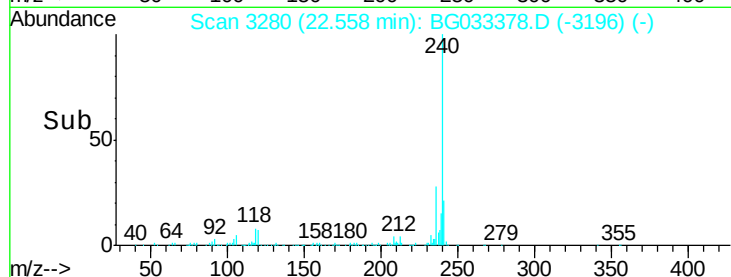
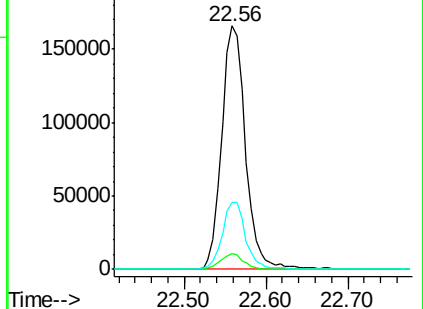
236 27.6 20.9 31.3



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: 2.526 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

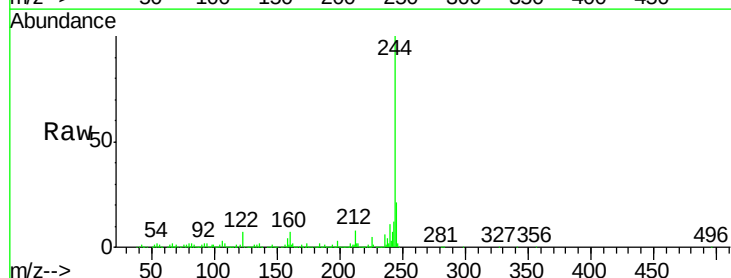
Tgt Ion:184 Resp: 23116

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

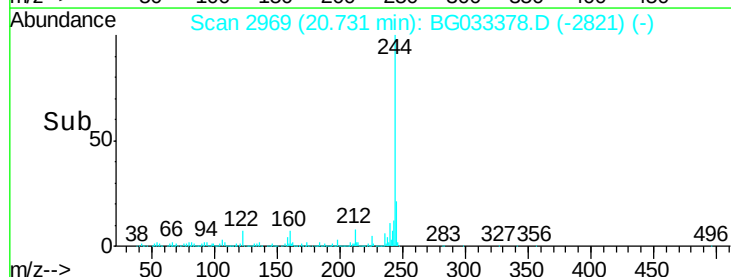
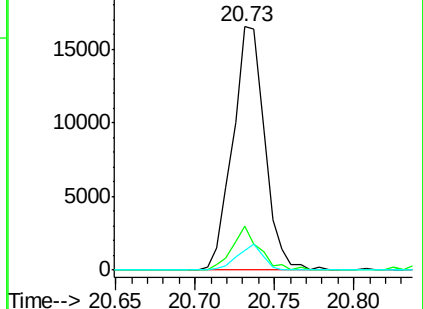
183 8.2 10.6 16.0#

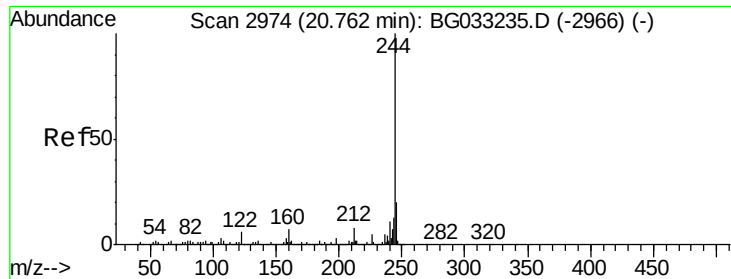


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.072 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

Instrument :

BNA_G

ClientSampleId :

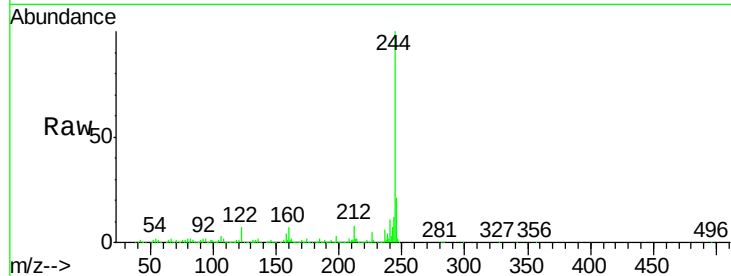
Tot Ion:244 Resp: 1436971

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

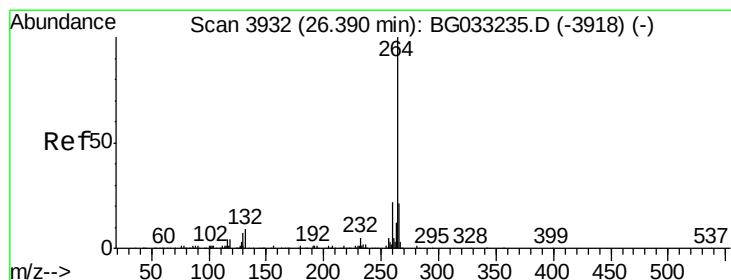
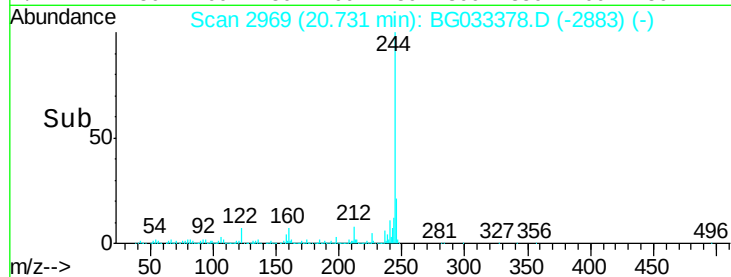
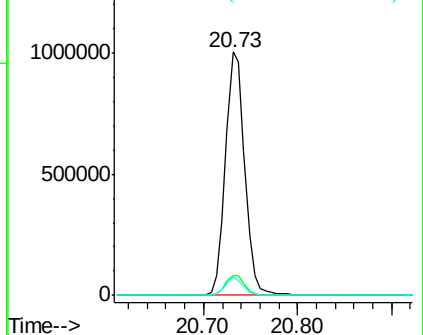
122 7.4 7.0 10.4



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# 3921

Delta R.T. -0.06 min

Lab File: BG033378.D

Acq: 28 Mar 2018 1:13

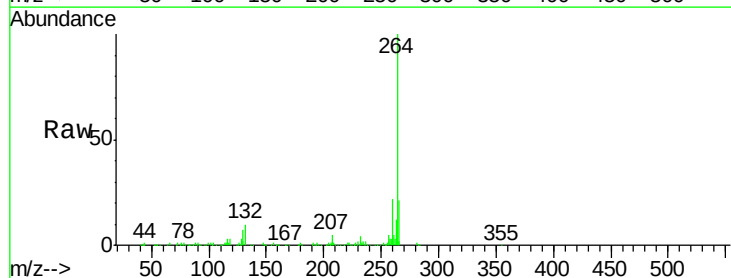
Tgt Ion:264 Resp: 357690

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.0

265 21.1 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

