

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033537.D
 Acq On : 4 Apr 2018 00:06
 Operator : SJ/JU
 Sample : J2131-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 02:32:50 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

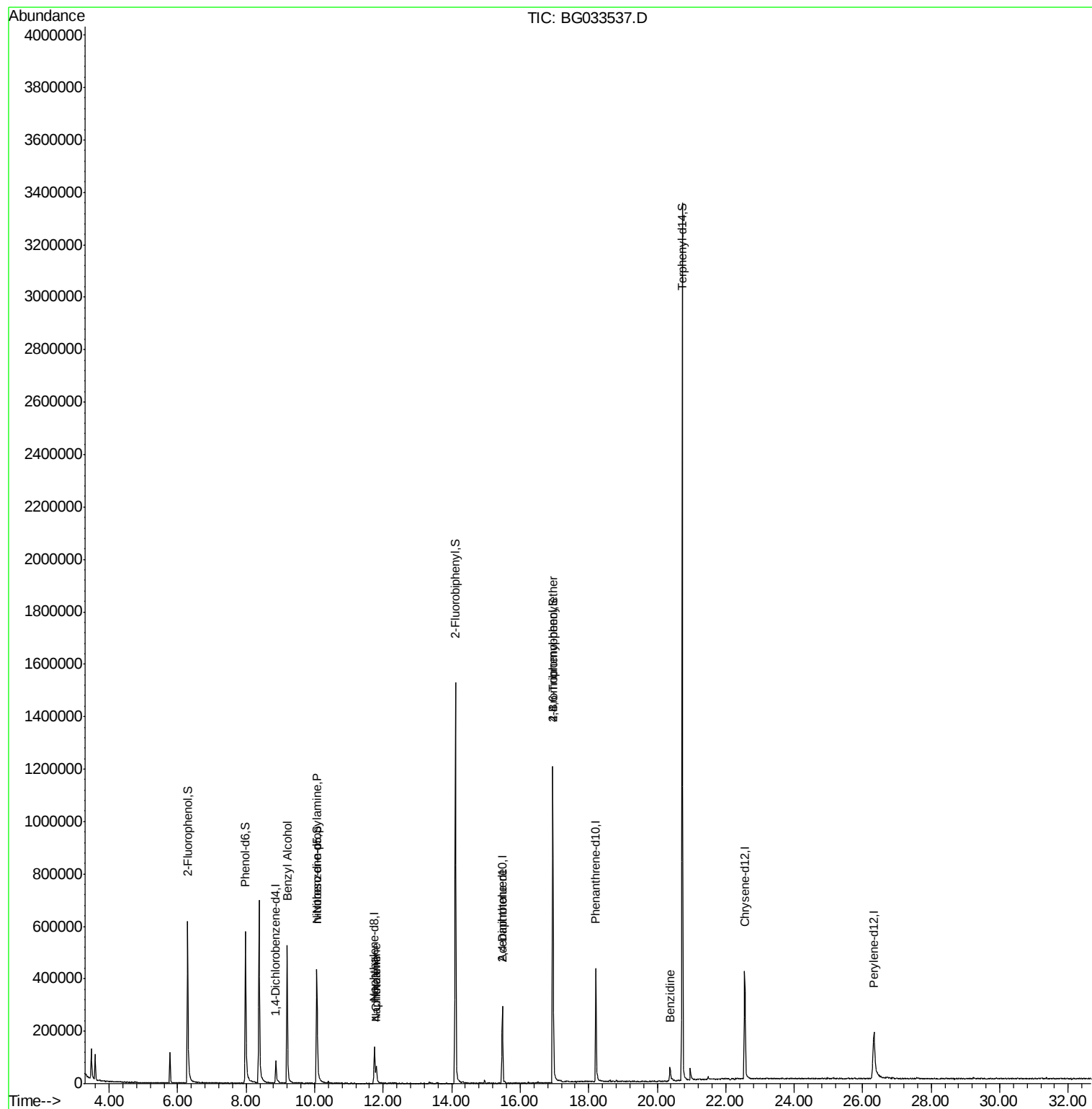
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	32677	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	139278	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	113992	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	307813	20.00	ng	0.00
75) Chrysene-d12	22.56	240	327259	20.00	ng	0.00
86) Perylene-d12	26.33	264	310654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	307690	176.56	ng	0.00
7) Phenol-d6	7.98	99	421111	140.64	ng	0.00
23) Nitrobenzene-d5	10.06	82	350844	115.73	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	254126	149.06	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	835256	105.78	ng	0.00
78) Terphenyl-d14	20.73	244	1736694	113.49	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5682	2.410	ng	# 38
19) n-Nitroso-di-n-propylamine	10.06	70	47533	21.664	ng	# 76
31) Naphthalene	11.80	128	64030	8.872	ng	# 97
33) 4-Chloroaniline	11.79	127	7931	2.453	ng	# 32
56) 2,4-Dinitrotoluene	15.48	165	13561	4.541	ng	# 20
66) 4-Bromophenyl-phenylether	16.96	248	19892	5.503	ng	# 1
76) Benzidine	20.38	184	50729	5.716	ng	# 98

(#) = 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. -0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

BNA_G

ClientSampled :

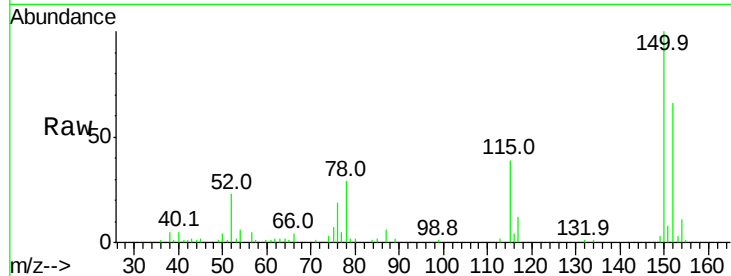
Tot Ion:152 Resp: 32677

Ion Ratio Lower Upper

152 100

150 152.6 126.6 189.8

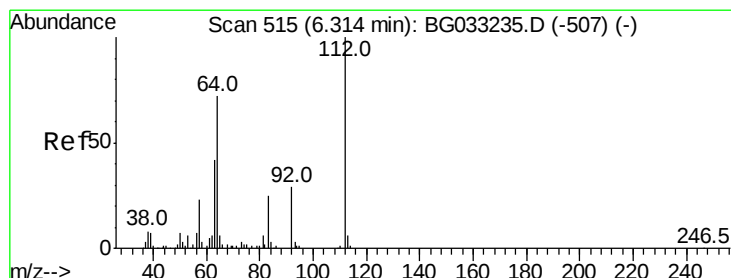
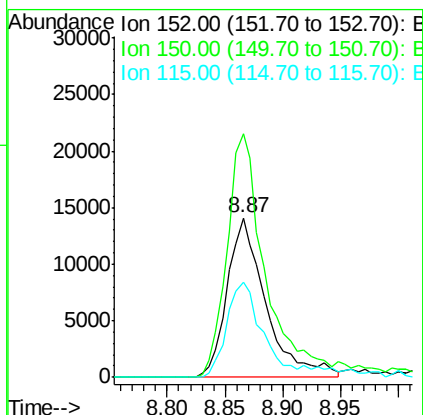
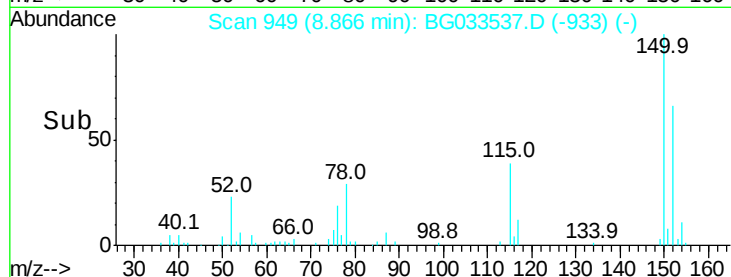
115 59.9 53.0 79.4



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: 176.563 ng

RT: 6.29 min Scan# 511

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

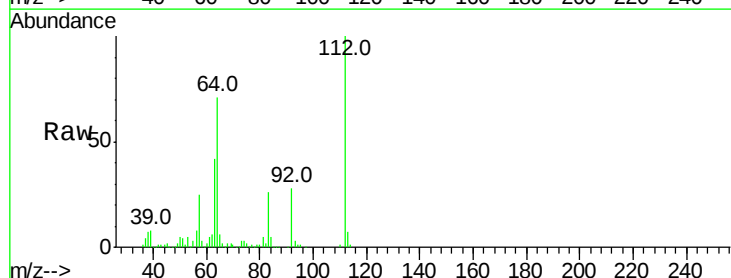
Tgt Ion:112 Resp: 307690

Ion Ratio Lower Upper

112 100

64 71.0 56.3 84.5

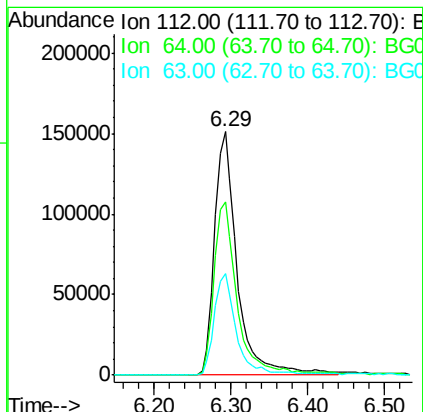
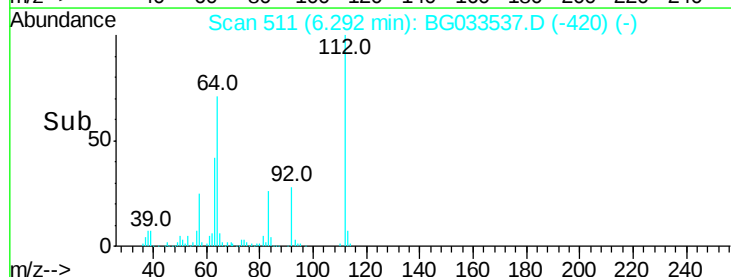
63 41.7 30.1 45.1

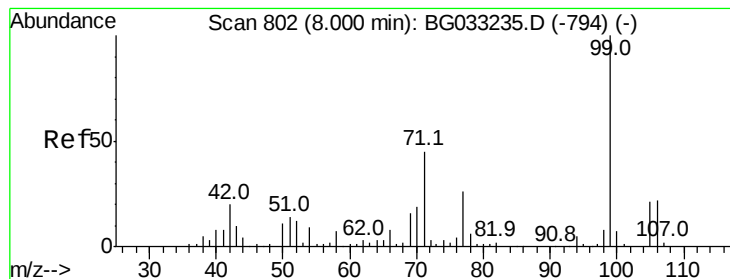


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 140.640 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

BNA_G

ClientSampleId :

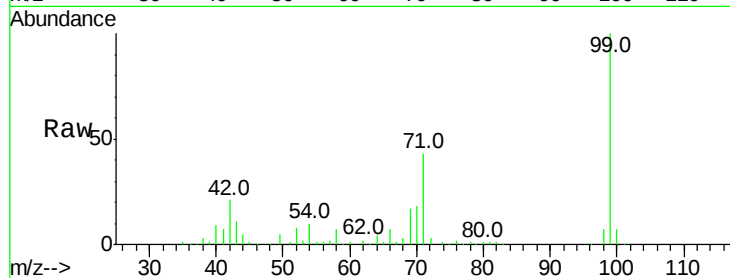
Tot Ion: 99 Resp: 421111

Ion Ratio Lower Upper

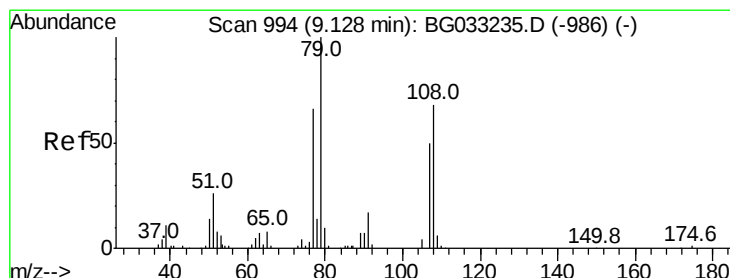
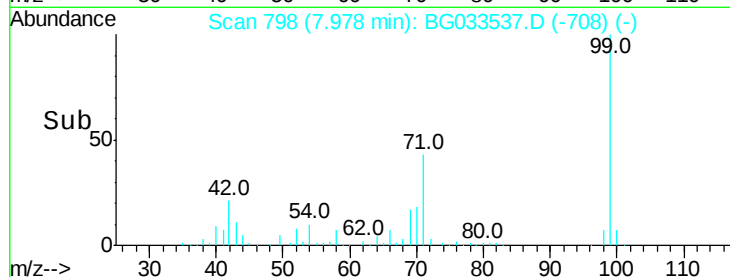
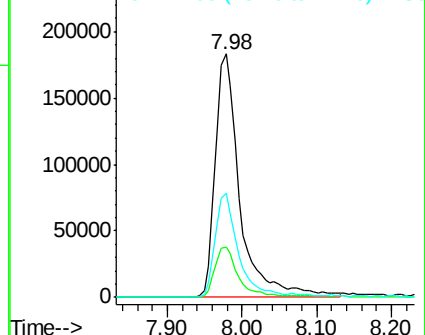
99 100

42 20.7 14.1 21.1

71 43.0 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: 2.410 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.08 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

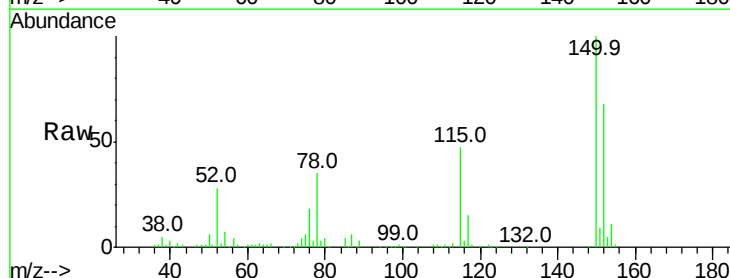
Tgt Ion: 79 Resp: 5682

Ion Ratio Lower Upper

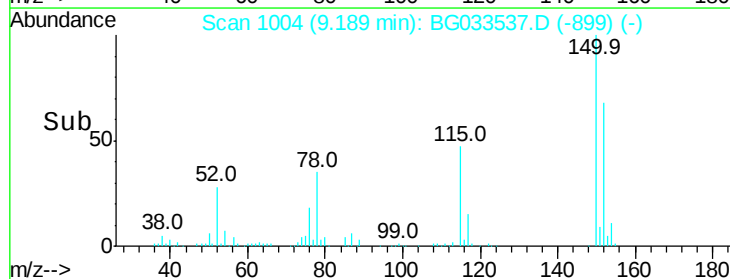
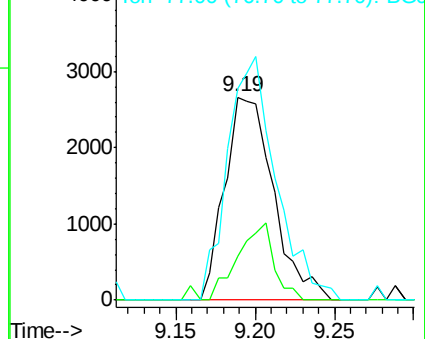
79 100

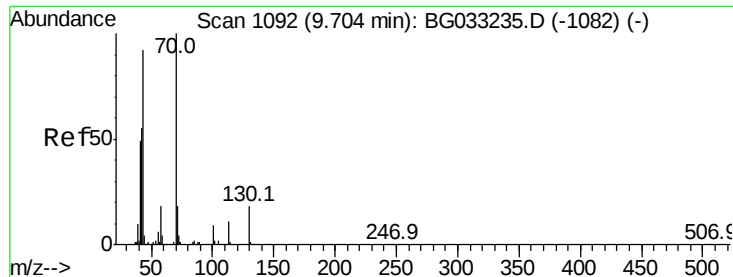
108 21.4 57.2 85.8#

77 104.2 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

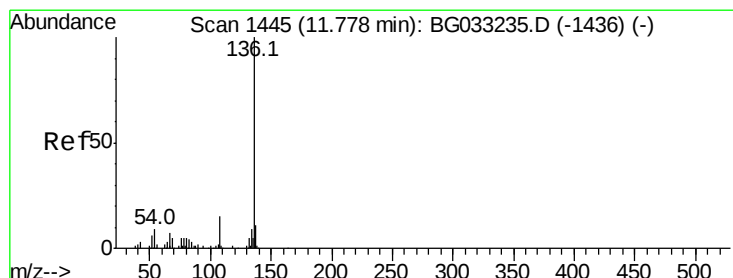
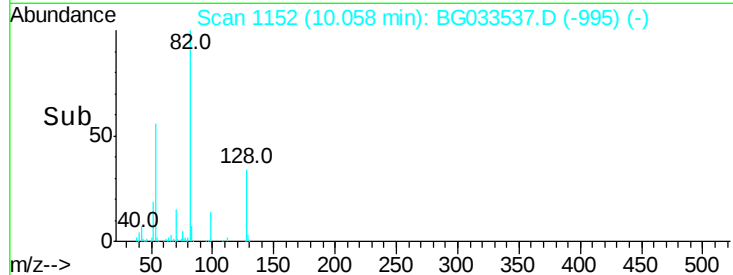
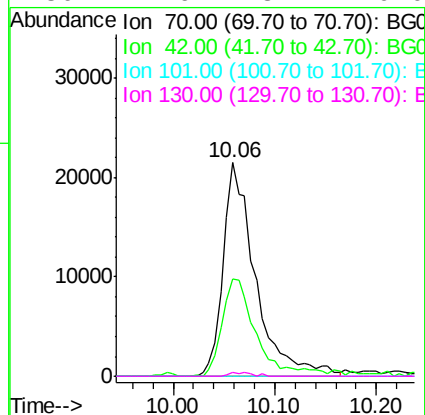
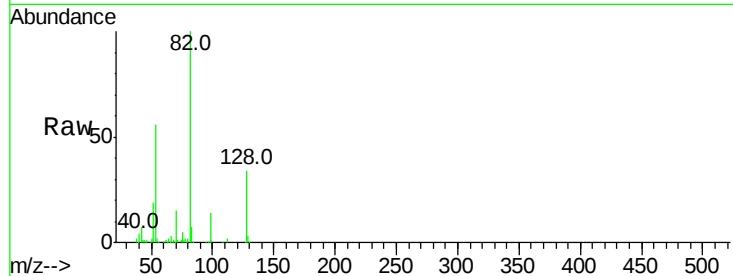




#19
n-Nitroso-di-n-propylamine
Concen: 21.664 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

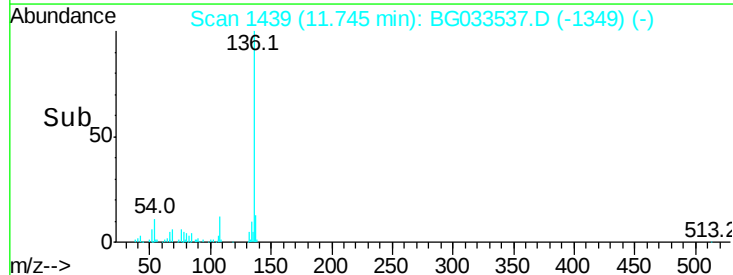
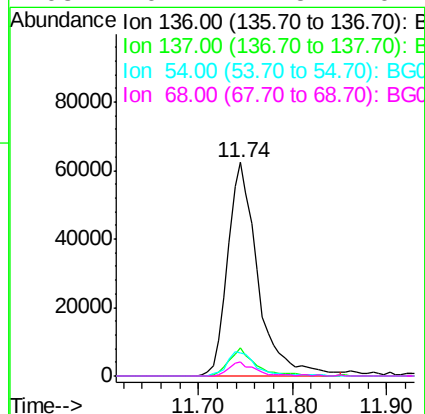
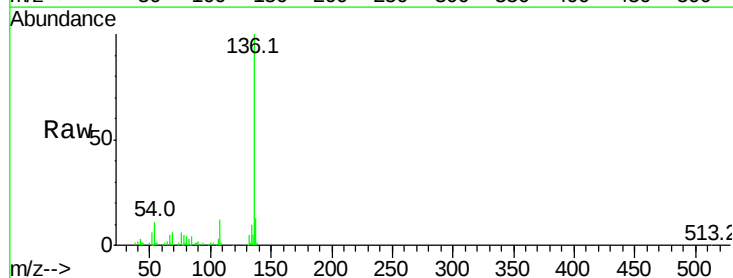
Instrument :
BNA_G
ClientSampleId :

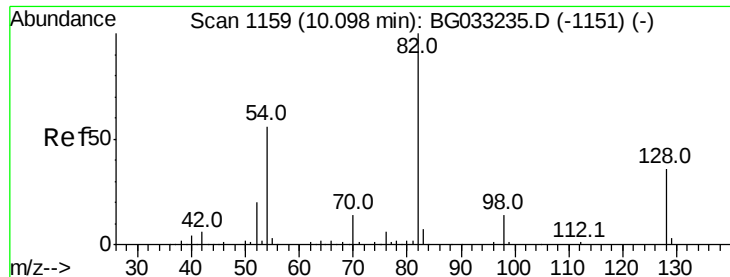
Tot Ion: 70 Resp: 47533
Ion Ratio Lower Upper
70 100
42 45.8 49.1 73.7#
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Tgt Ion: 136 Resp: 139278
Ion Ratio Lower Upper
136 100
137 13.2 9.2 13.8
54 11.1 10.3 15.5
68 6.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 115.734 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

BNA_G

ClientSampled :

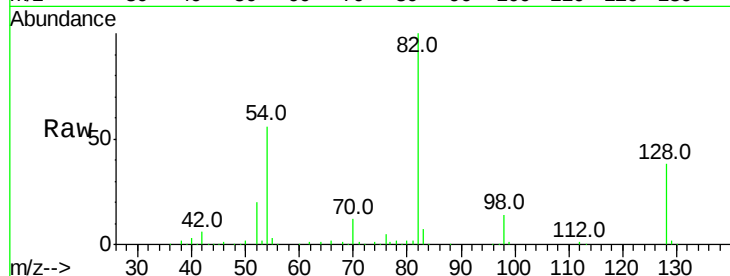
Tot Ion: 82 Resp: 350844

Ion Ratio Lower Upper

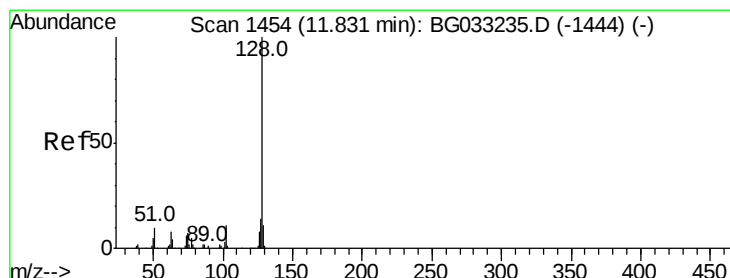
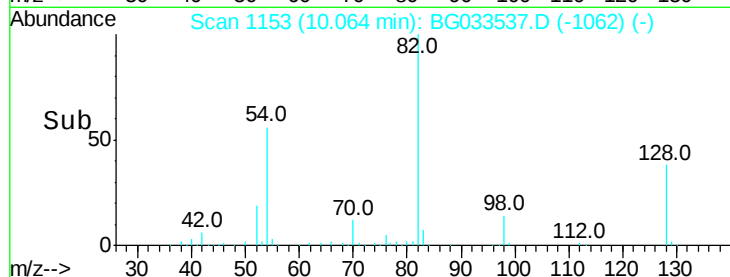
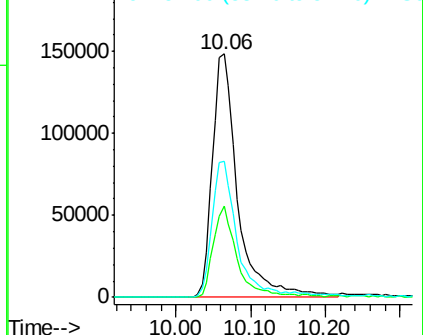
82 100

128 37.7 29.7 44.5

54 55.7 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



#31

Naphthalene

Concen: 8.872 ng

RT: 11.80 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

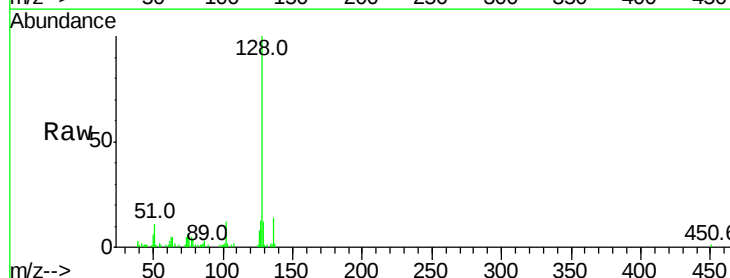
Tgt Ion:128 Resp: 64030

Ion Ratio Lower Upper

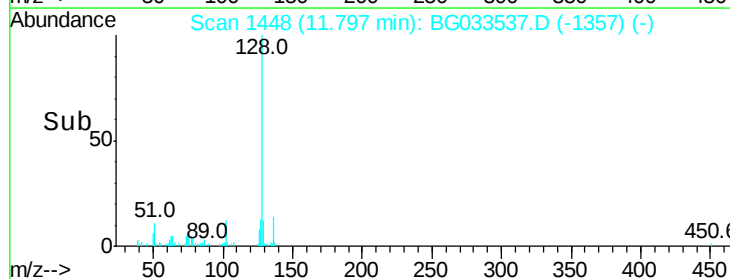
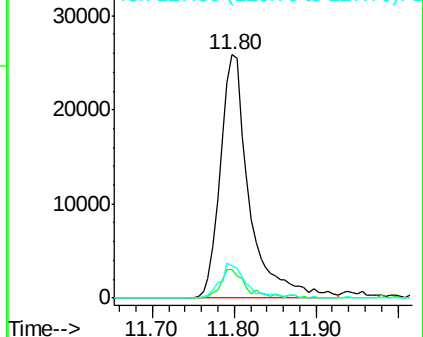
128 100

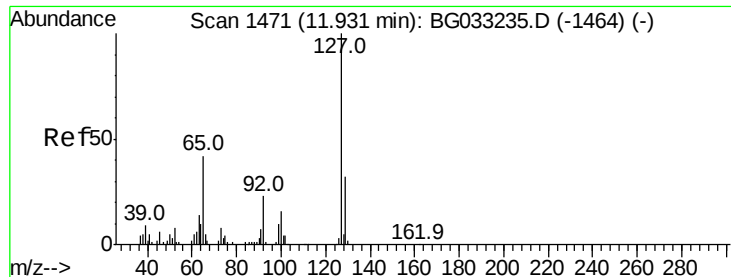
129 11.9 8.6 12.8

127 13.4 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

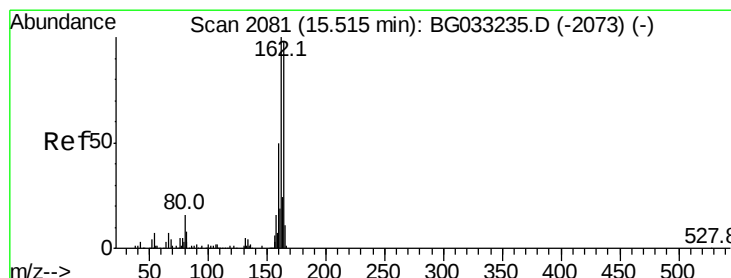
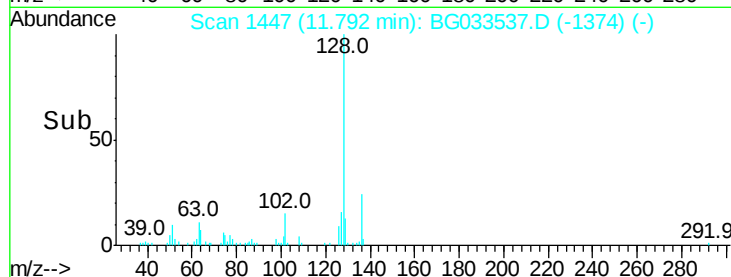
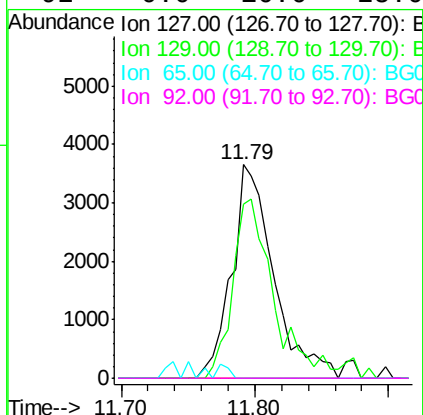
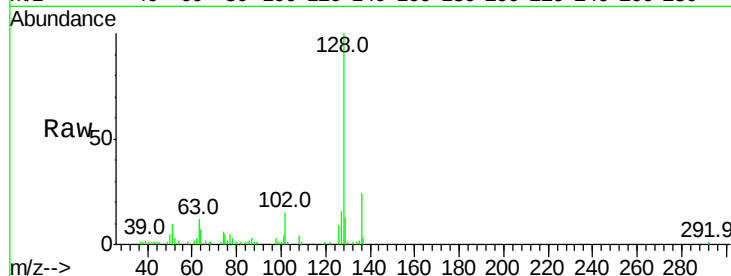




#33
4-Chloroaniline
Concen: 2.453 ng
RT: 11.79 min Scan# 1447
Delta R.T. -0.10 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

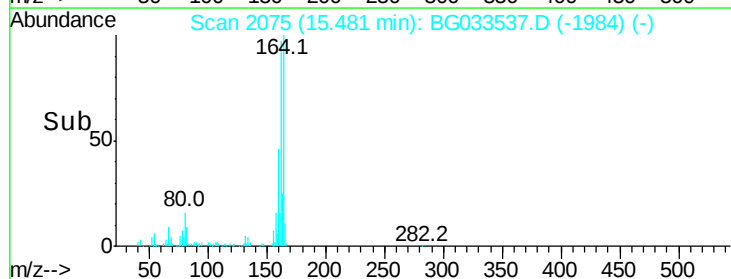
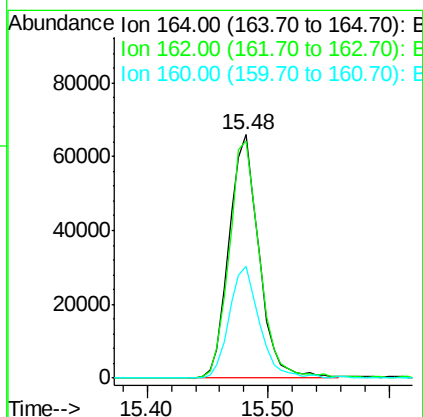
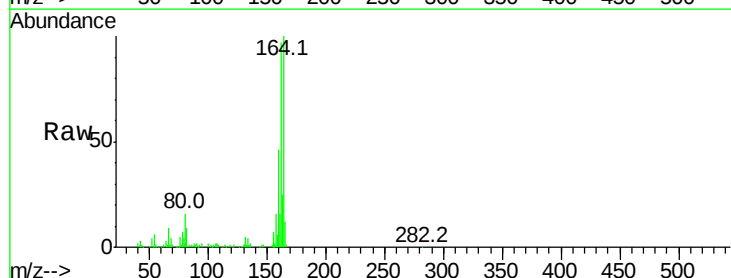
Instrument :
BNA_G
ClientSampleId :

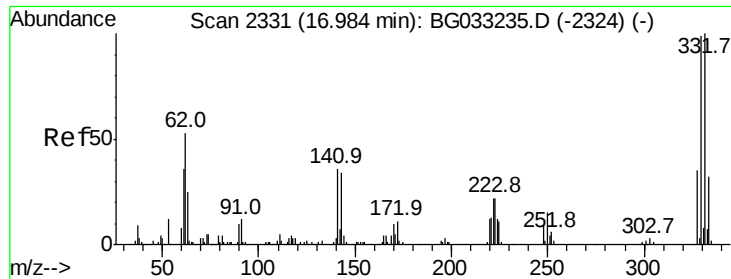
Tot Ion:	127	Resp:	7931
Ion	Ratio	Lower	Upper
127	100		
129	81.6	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Tgt Ion:	164	Resp:	113992
Ion	Ratio	Lower	Upper
164	100		
162	97.5	78.8	118.2
160	45.8	35.4	53.0

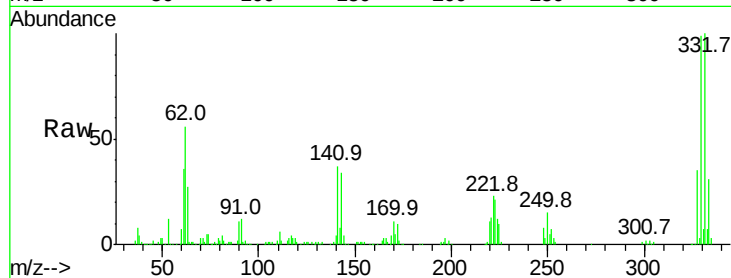




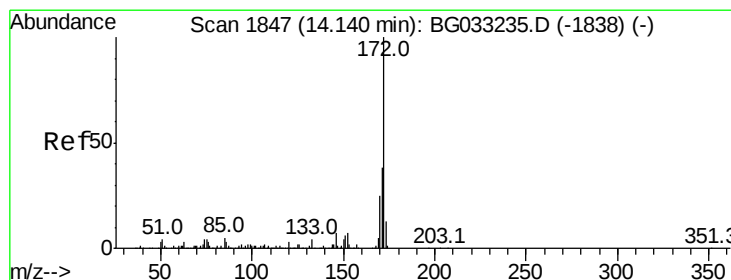
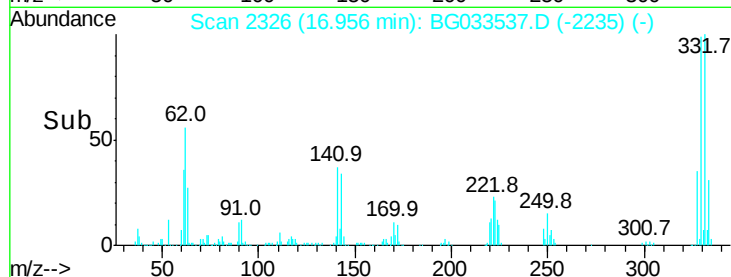
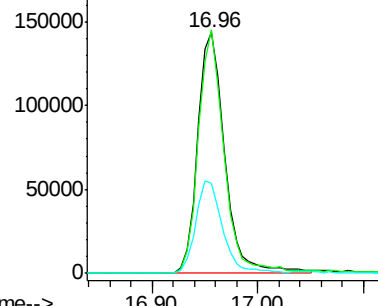
#41
 2,4,6-Tribromophenol
 Concen: 149.058 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033537.D
 Acq: 4 Apr 2018 00:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	38.2	25.2	37.8#

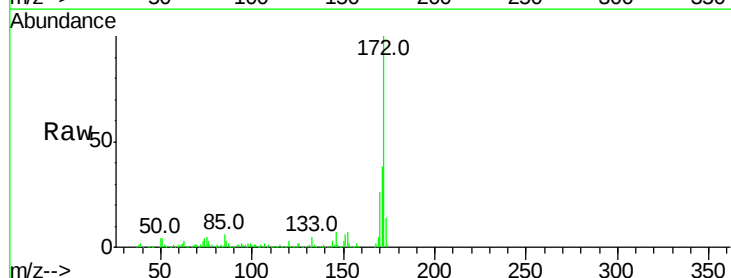


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

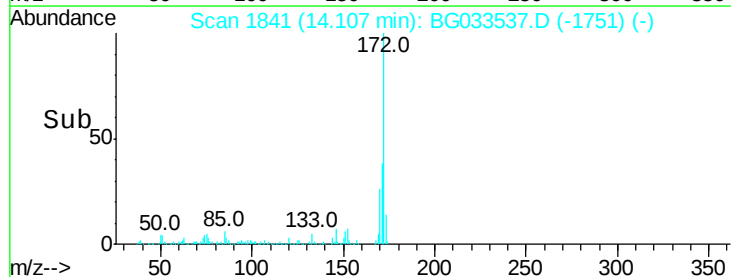
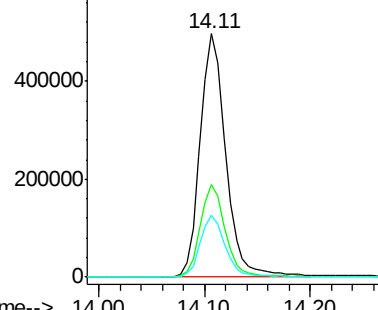


#44
 2-Fluorobiphenyl
 Concen: 105.780 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033537.D
 Acq: 4 Apr 2018 00:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	25.7	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

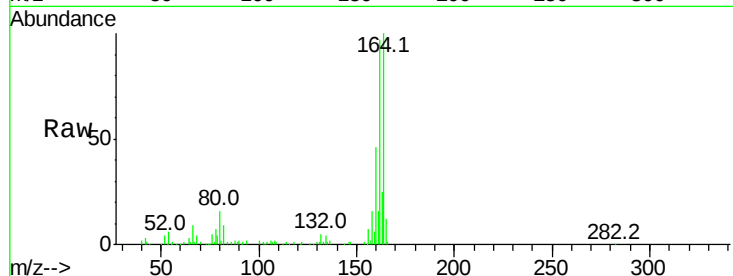




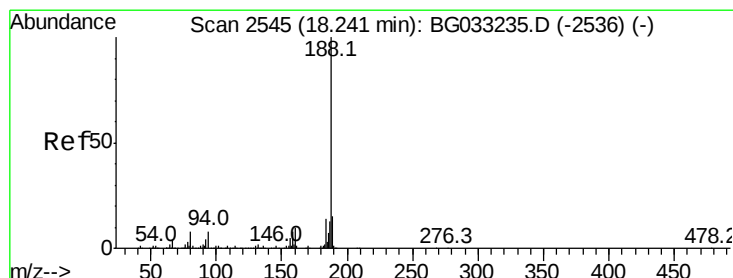
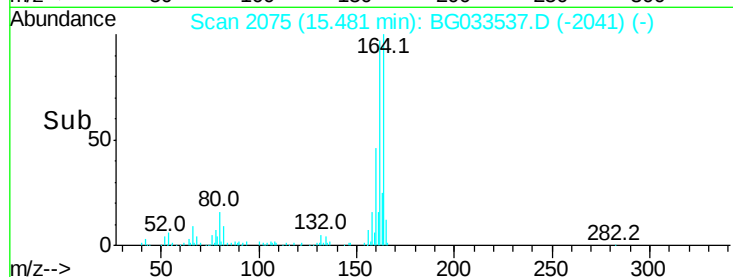
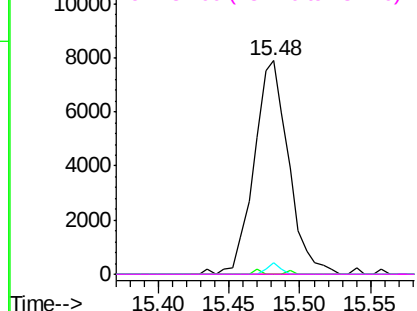
#56
2,4-Dinitrotoluene
Concen: 4.541 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.33 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 13561
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 5.2 66.9 100.3#
182 0.0 2.6 3.8#

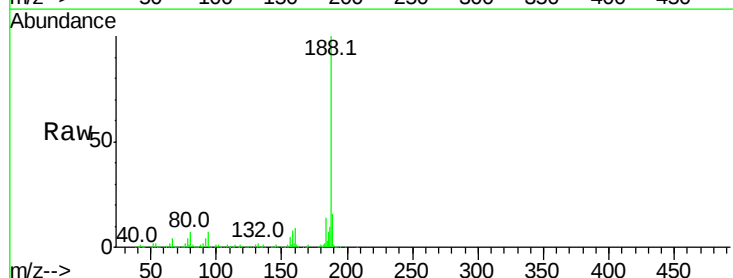


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

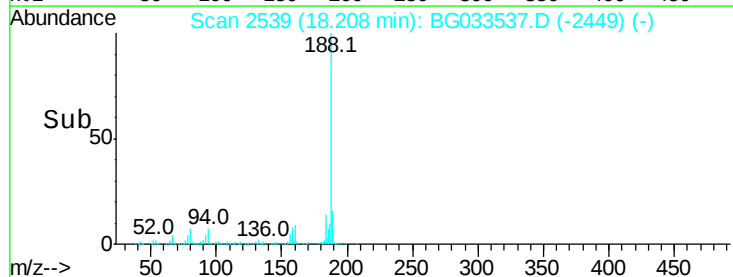
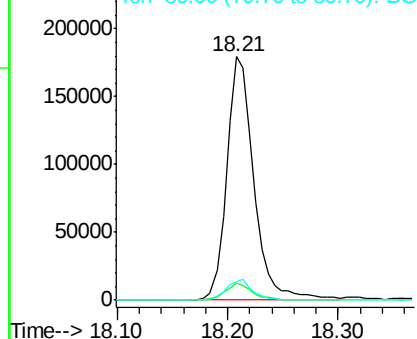


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Tgt Ion:188 Resp: 307813
Ion Ratio Lower Upper
188 100
94 6.8 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

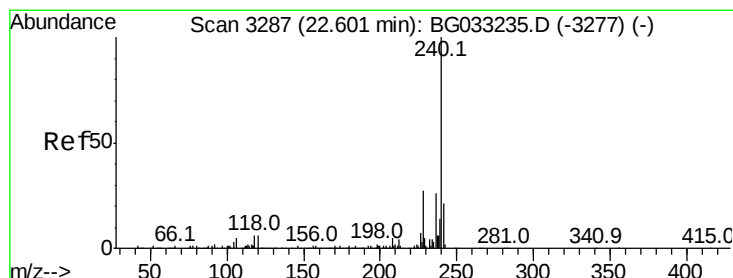
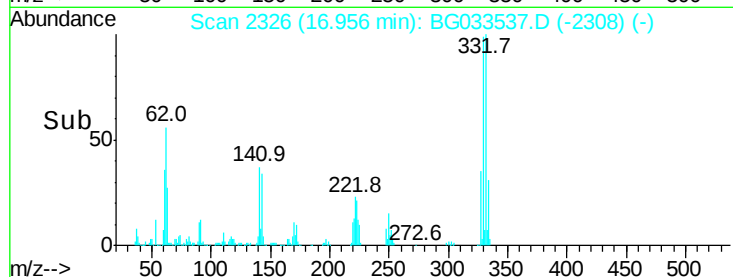
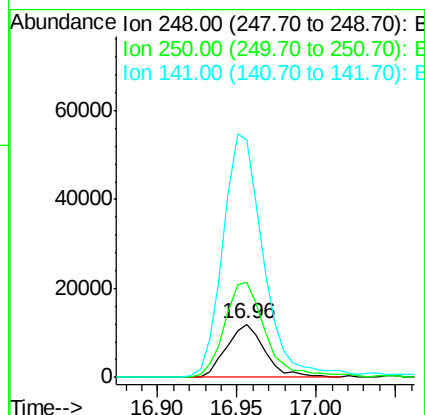
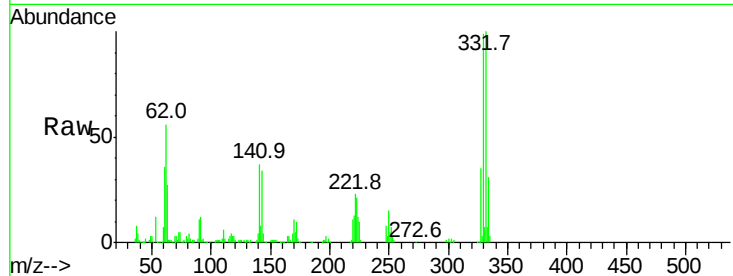




#66
4-Bromophenyl-phenylether
Concen: 5.503 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

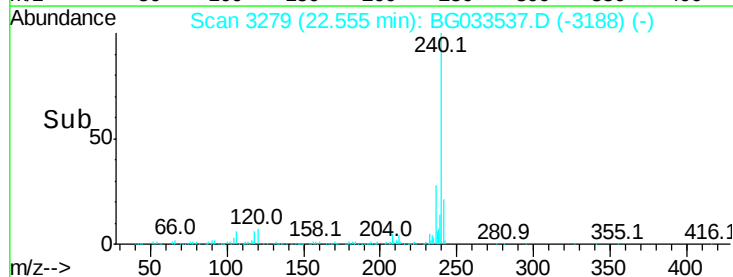
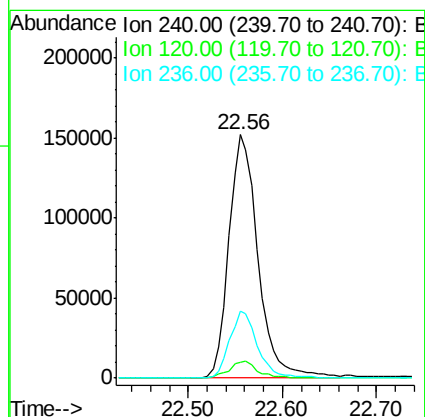
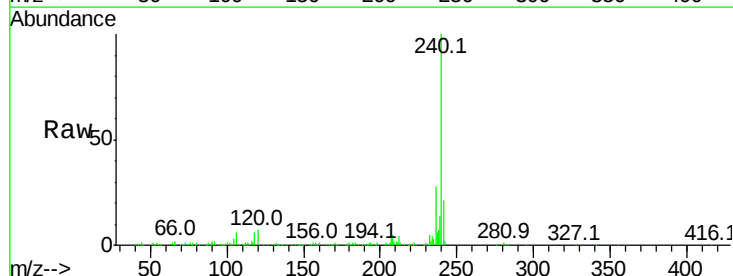
Instrument :
BNA_G
ClientSampleId :

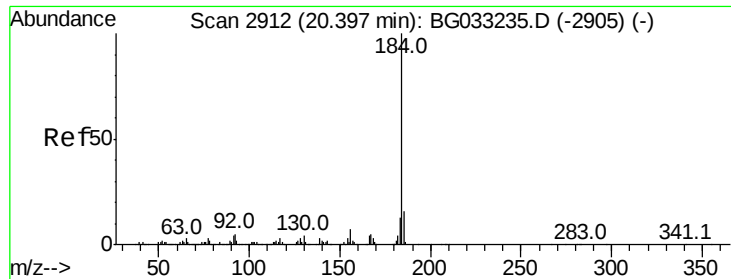
Tot Ion:248 Resp: 19892
Ion Ratio Lower Upper
248 100
250 179.0 77.1 115.7#
141 445.8 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3279
Delta R.T. 0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Tgt Ion:240 Resp: 327259
Ion Ratio Lower Upper
240 100
120 6.7 6.8 10.2#
236 27.5 20.9 31.3





#76

Benzidine

Concen: 5.716 ng

RT: 20.38 min Scan# 2908

Delta R.T. 0.01 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

BNA_G

ClientSampleId :

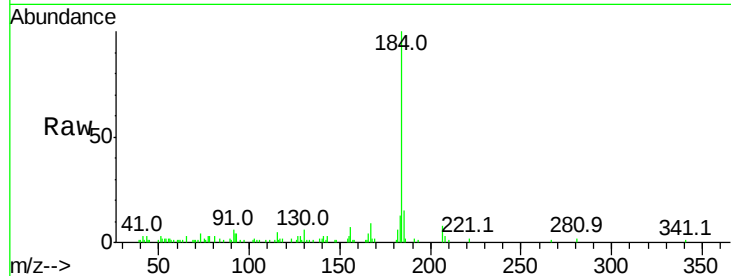
Tot Ion:184 Resp: 50729

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

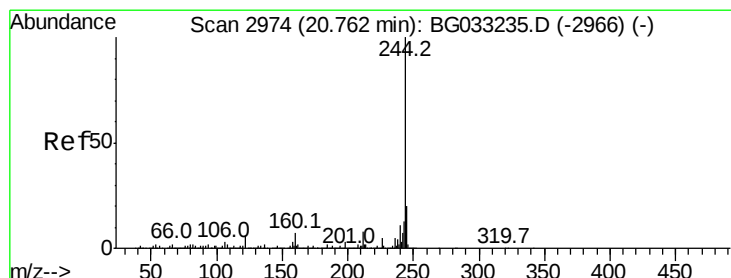
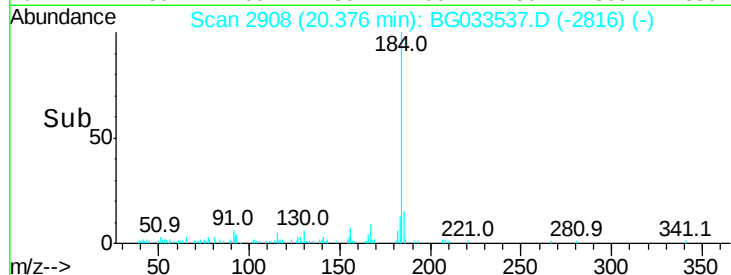
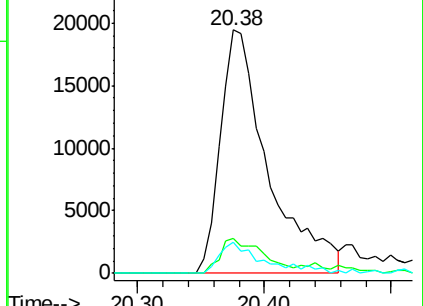
183 12.6 10.6 16.0



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: 113.491 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

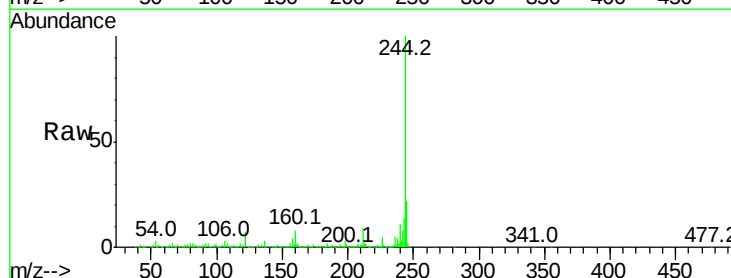
Tgt Ion:244 Resp: 1736694

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

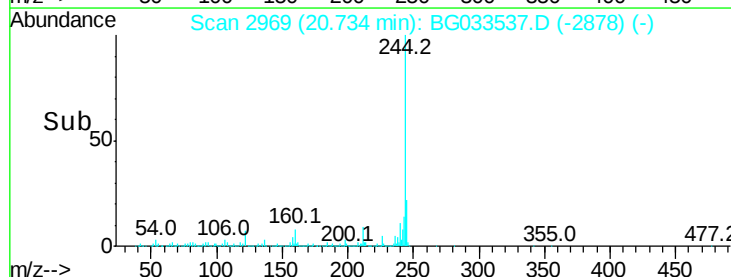
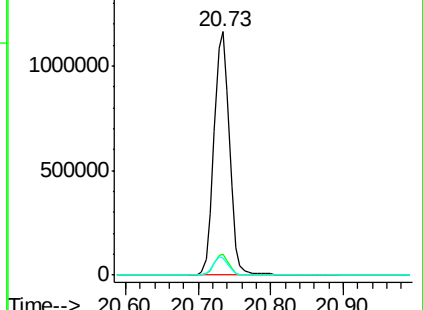
122 7.2 7.0 10.4



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

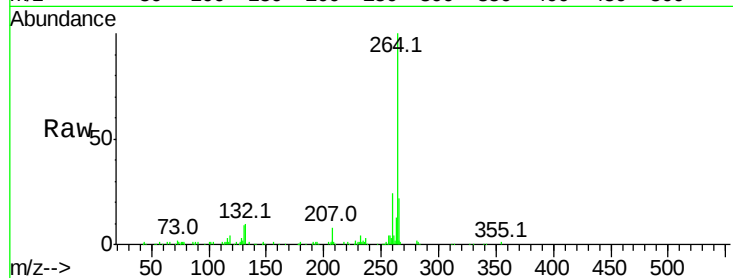




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3921
 Delta R.T. 0.01 min
 Lab File: BG033537.D
 Acq: 4 Apr 2018 00:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	22.0	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

