

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040218\
 Data File : BG033501.D
 Acq On : 2 Apr 2018 23:46
 Operator : SJ/JU
 Sample : J2114-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 03 04:04:13 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

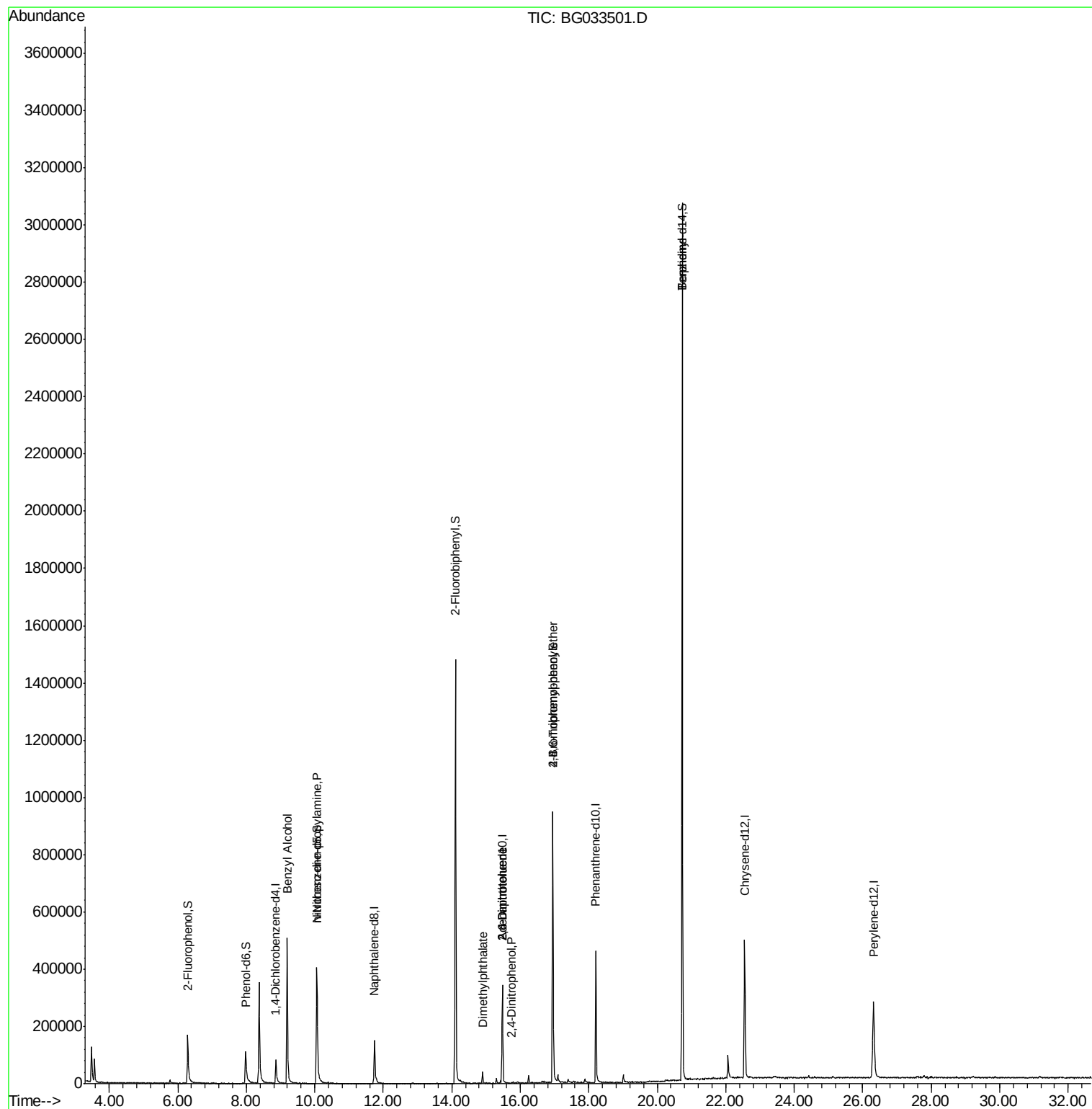
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	33127	20.00	ng	-0.01
21) Naphthalene-d8	11.74	136	151158	20.00	ng	-0.01
38) Acenaphthene-d10	15.48	164	121659	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	334442	20.00	ng	0.00
75) Chrysene-d12	22.55	240	347139	20.00	ng	0.00
86) Perylene-d12	26.31	264	365781	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	94215	53.33	ng	0.00
7) Phenol-d6	7.98	99	103366	34.05	ng	0.00
23) Nitrobenzene-d5	10.06	82	341663	103.85	ng	-0.01
41) 2,4,6-Tribromophenol	16.95	330	197402	108.49	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	851902	101.09	ng	0.00
78) Terphenyl-d14	20.73	244	1570211	96.74	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5717	2.392	ng	# 37
19) n-Nitroso-di-n-propylamine	10.06	70	45380	20.402	ng	# 76
49) Dimethylphthalate	14.90	163	25846	2.441	ng	# 98
50) 2,6-Dinitrotoluene	15.48	165	15757	7.278	ng	# 21
53) 2,4-Dinitrophenol	15.76	184	63	7.694	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	15757	4.943	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	14453	3.680	ng	# 1
76) Benzidine	20.73	184	27523	2.924	ng	# 96

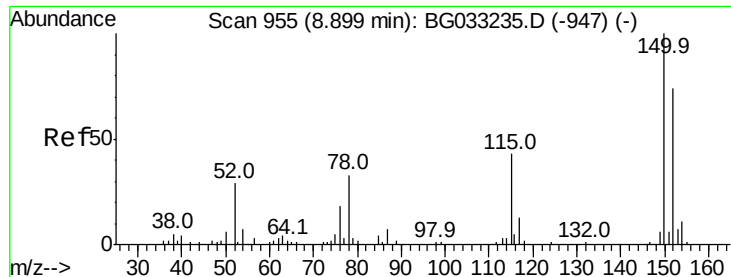
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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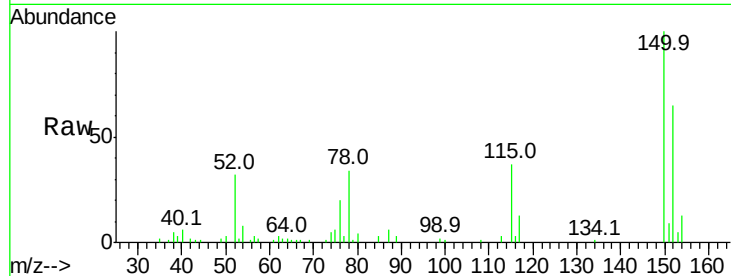


#1

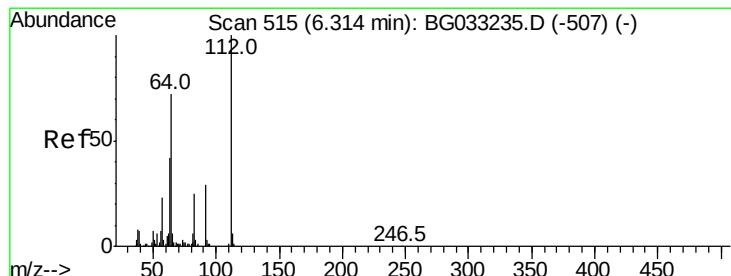
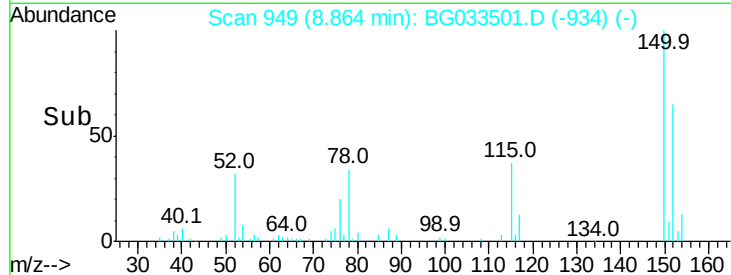
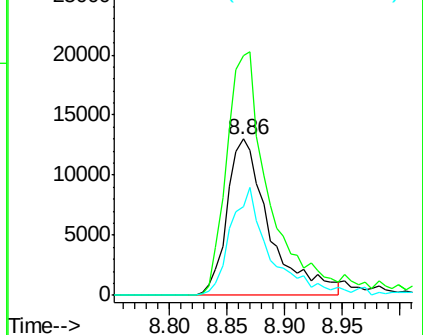
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33127
Ion Ratio Lower Upper
152 100
150 153.2 126.6 189.8
115 56.5 53.0 79.4



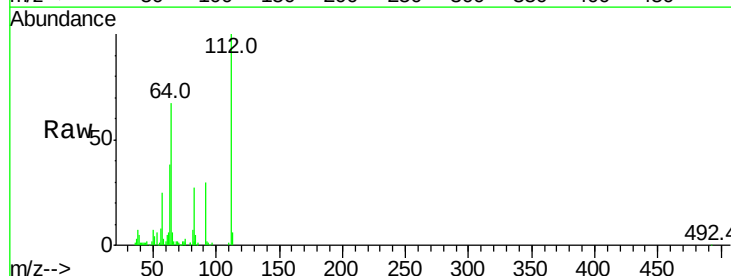
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



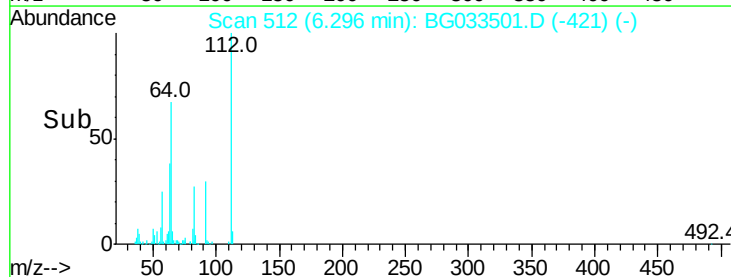
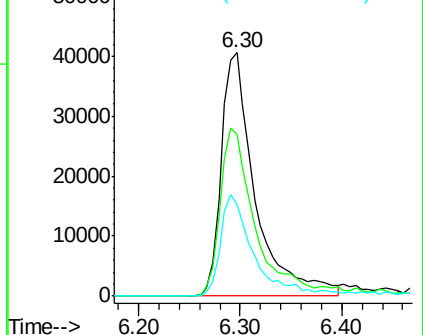
#5

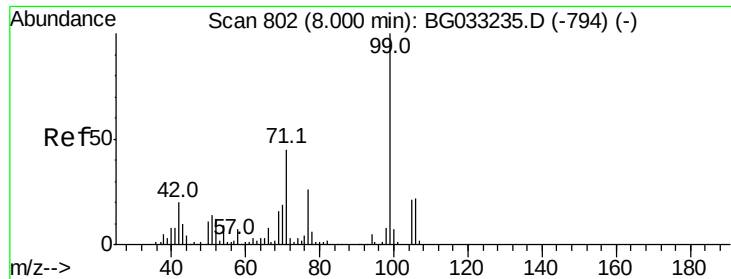
2-Fluorophenol
Concen: 53.329 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.00 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

Tgt Ion:112 Resp: 94215
Ion Ratio Lower Upper
112 100
64 66.6 56.3 84.5
63 37.7 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: 34.053 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

Instrument :

BNA_G

ClientSampled :

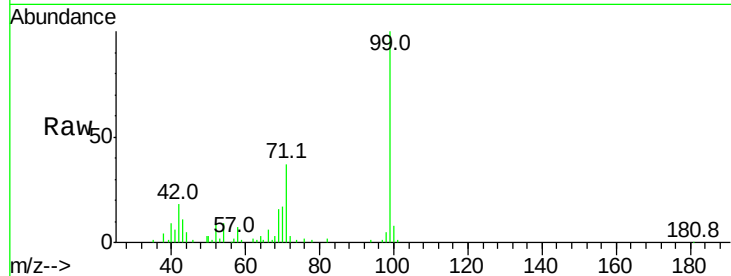
Tot Ion: 99 Resp: 103366

Ion Ratio Lower Upper

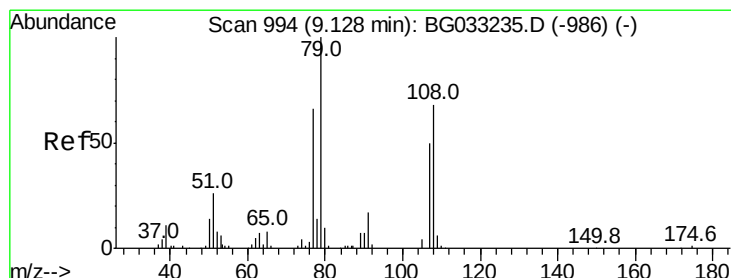
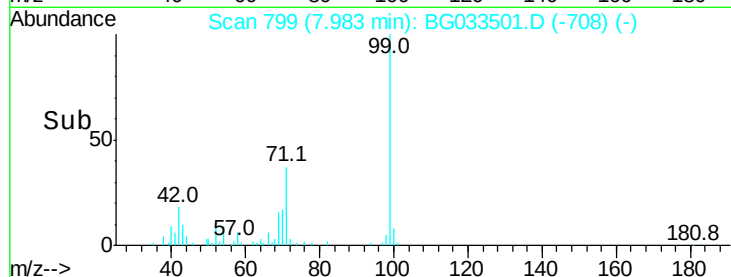
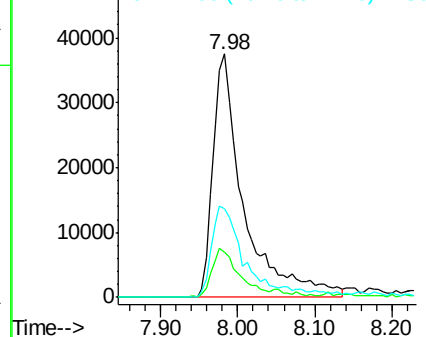
99 100

42 18.4 14.1 21.1

71 36.5 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: 2.392 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

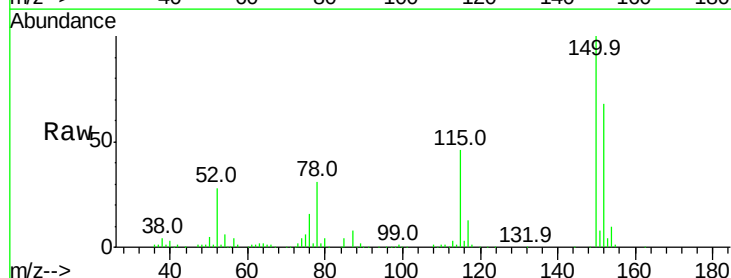
Tgt Ion: 79 Resp: 5717

Ion Ratio Lower Upper

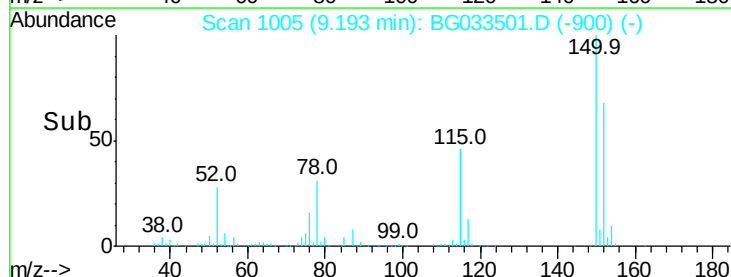
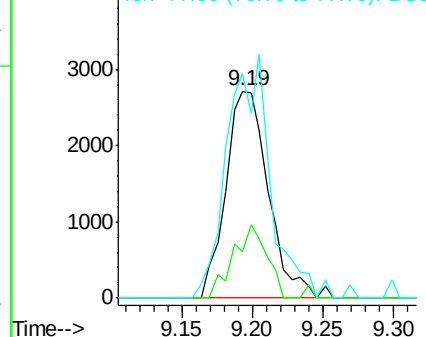
79 100

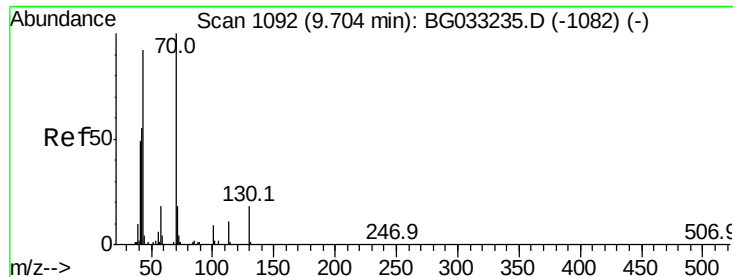
108 22.5 57.2 85.8#

77 108.4 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

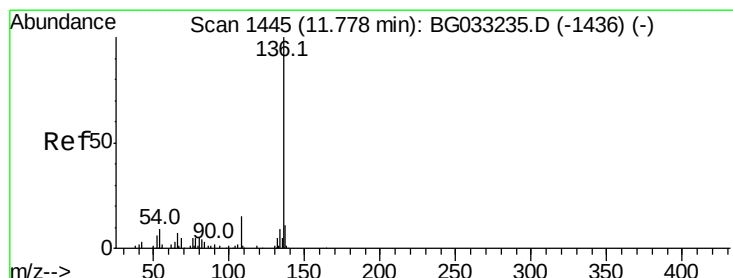
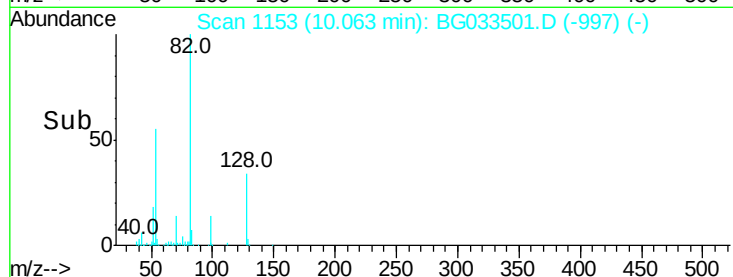
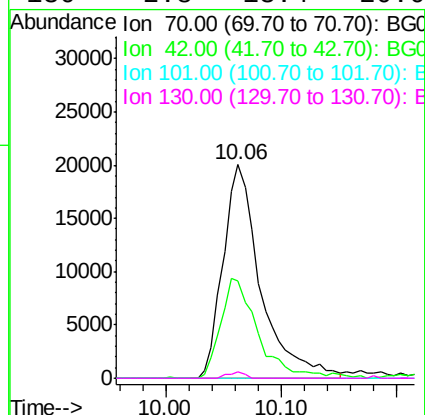
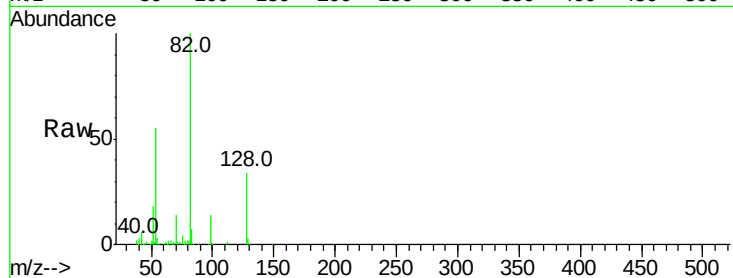




#19
n-Nitroso-di-n-propylamine
Concen: 20.402 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.39 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

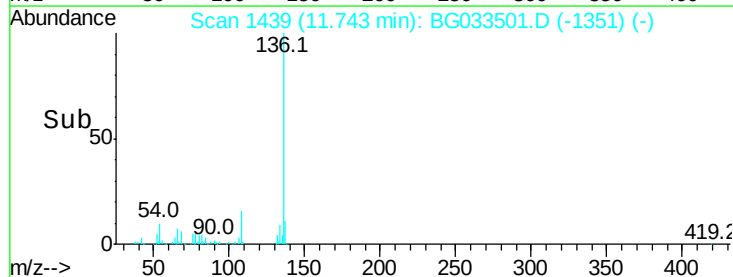
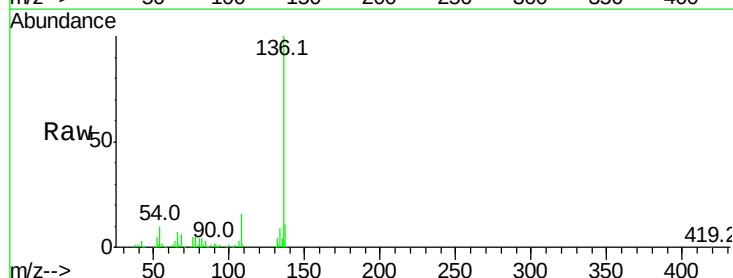
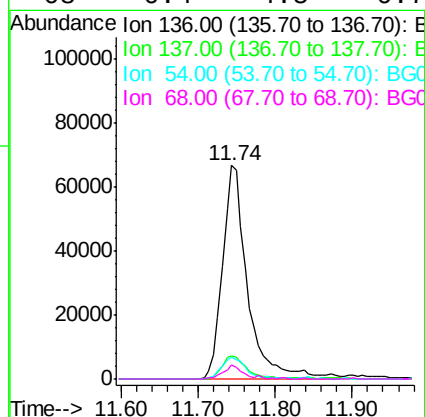
Instrument :
BNA_G
ClientSampleId :

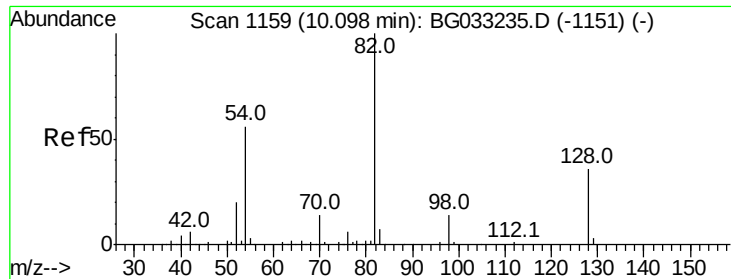
Tot Ion: 70 Resp: 45380
Ion Ratio Lower Upper
70 100
42 45.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

Tgt Ion: 136 Resp: 151158
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 10.0 10.3 15.5#
68 6.4 4.5 6.7

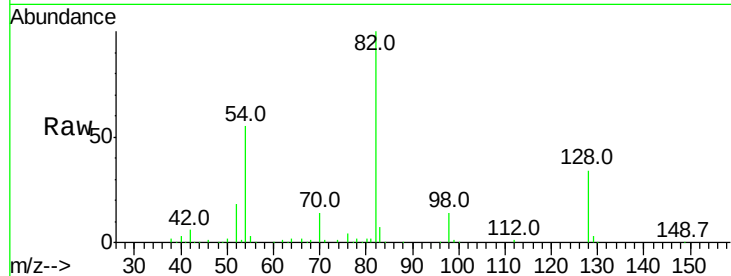




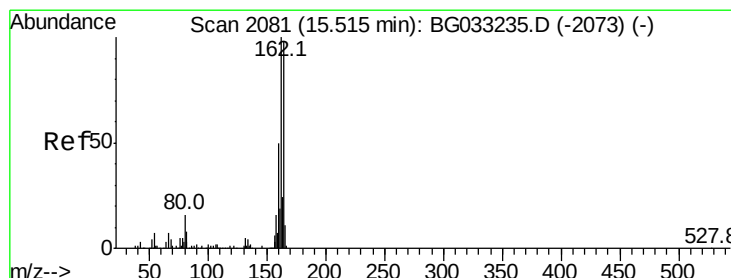
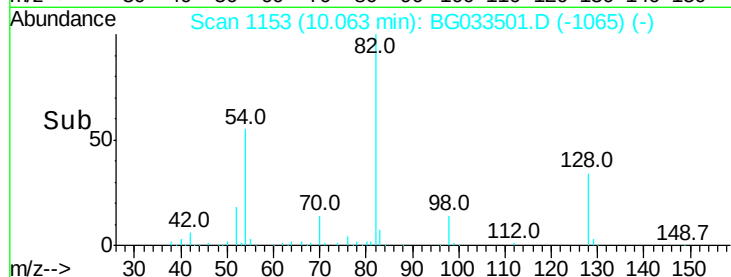
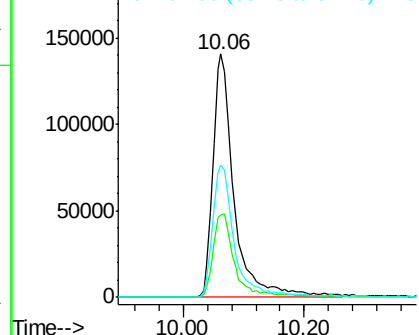
#23
 Nitrobenzene-d5
 Concen: 103.848 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BG033501.D
 Acq: 2 Apr 2018 23:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	341663
Ion Ratio	Lower	Upper	
82	100		
128	34.1	29.7	44.5
54	54.6	43.1	64.7

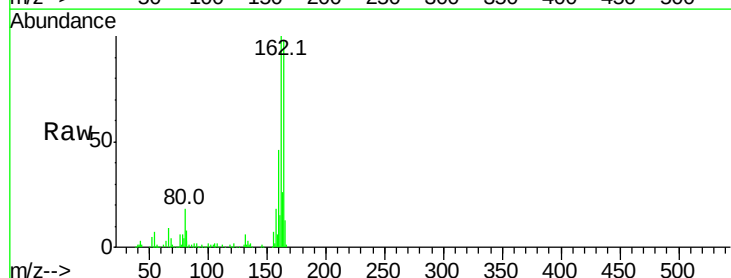


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

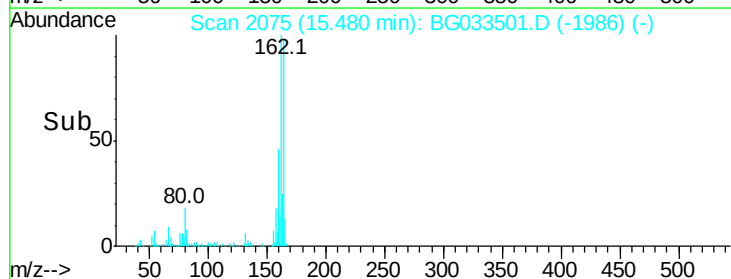
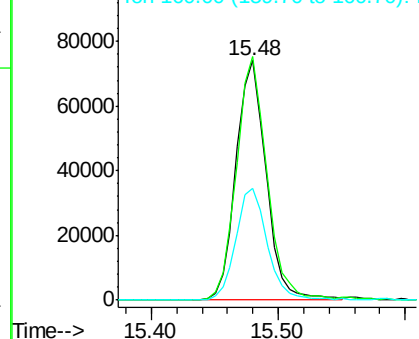


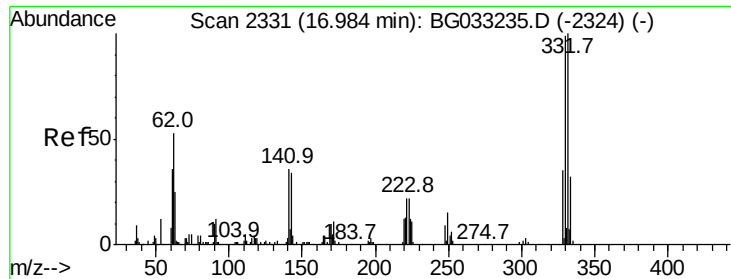
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: BG033501.D
 Acq: 2 Apr 2018 23:46

Tgt Ion	164	Resp	121659
Ion Ratio	Lower	Upper	
164	100		
162	101.6	78.8	118.2
160	46.5	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

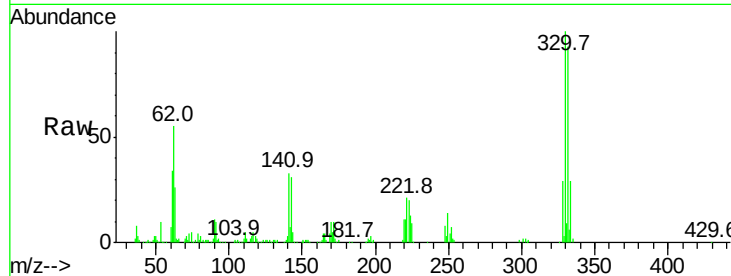




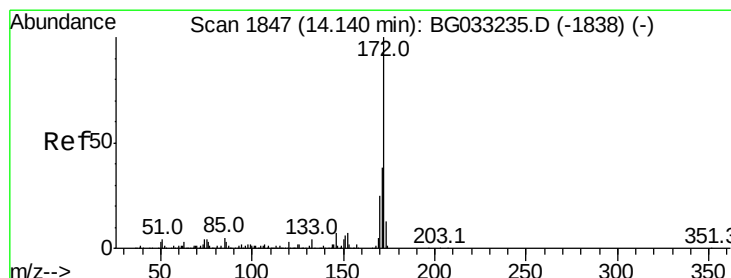
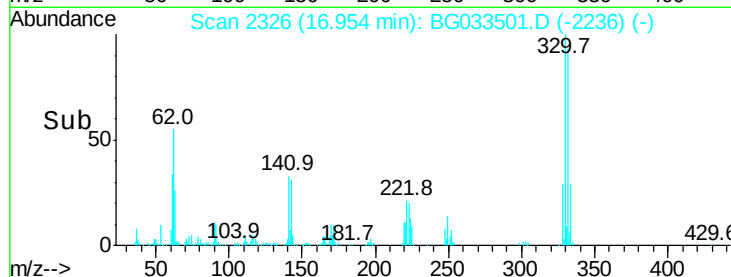
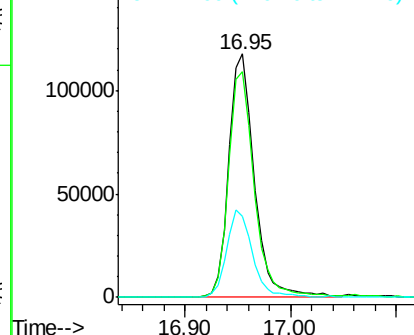
#41
2,4,6-Tribromophenol
Concen: 108.489 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.00 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:330 Resp: 197402
Ion Ratio Lower Upper
330 100
332 93.5 77.0 115.6
141 36.3 25.2 37.8

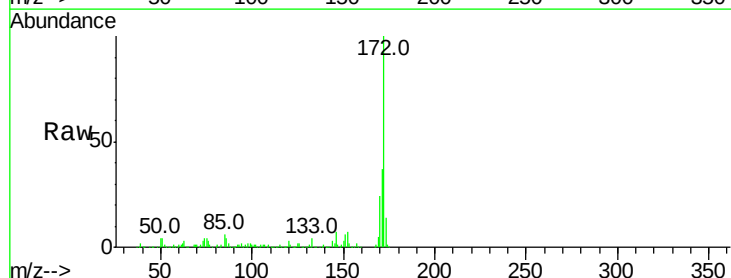


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

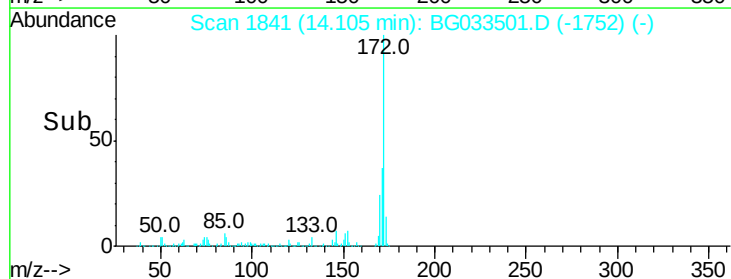
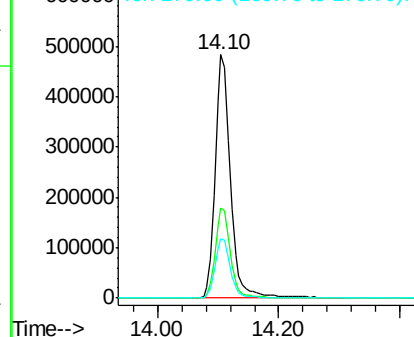


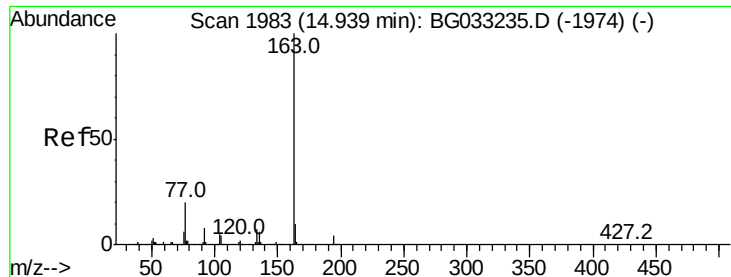
#44
2-Fluorobiphenyl
Concen: 101.089 ng
RT: 14.10 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

Tgt Ion:172 Resp: 851902
Ion Ratio Lower Upper
172 100
171 36.8 30.0 45.0
170 24.5 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





#49

Dimethylphthalate

Concen: 2.441 ng

RT: 14.90 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

Instrument :

BNA_G

ClientSampleId :

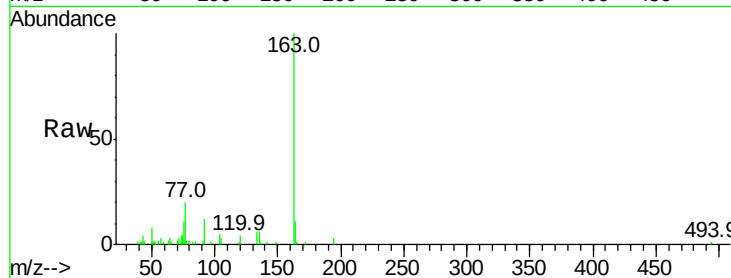
Tot Ion:163 Resp: 25846

Ion Ratio Lower Upper

163 100

194 3.2 3.4 5.2#

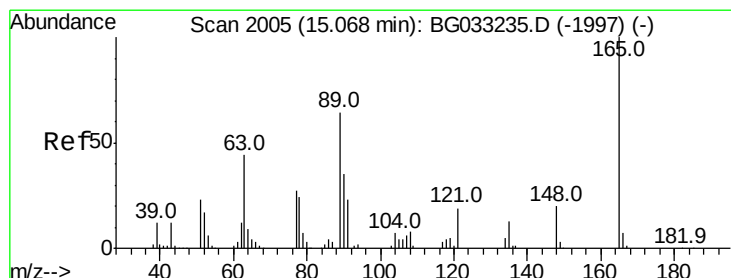
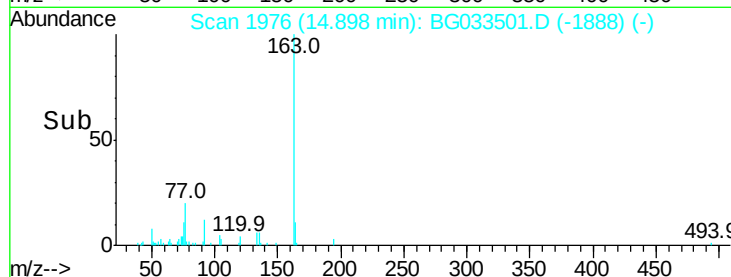
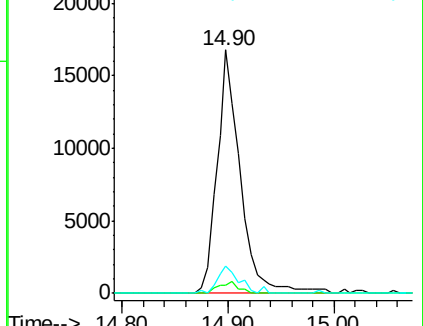
164 11.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.278 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.43 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

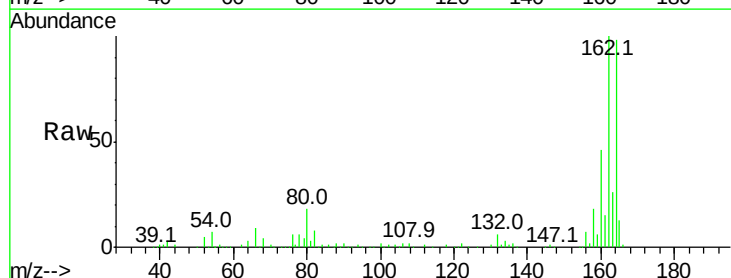
Tgt Ion:165 Resp: 15757

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

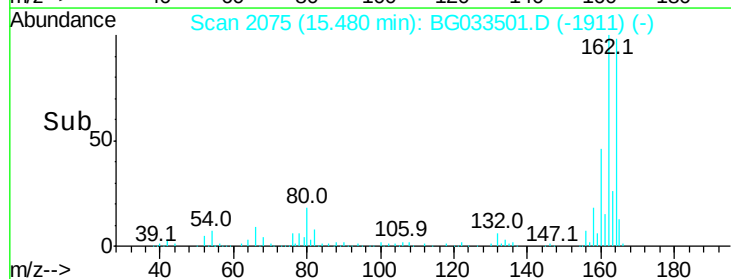
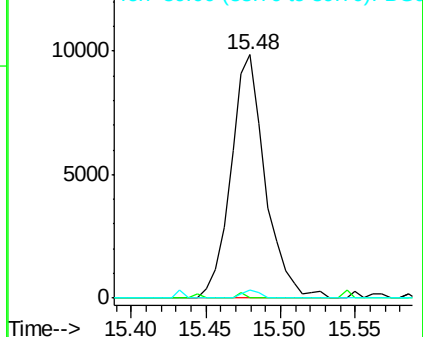
89 3.5 49.2 73.8#

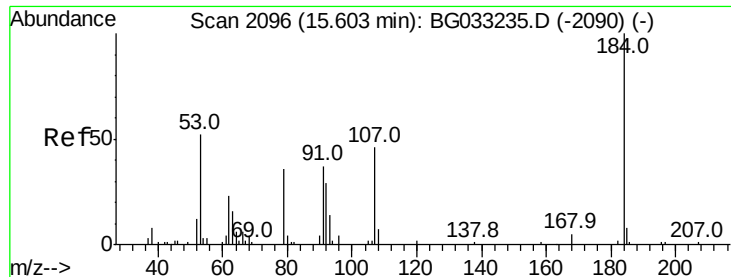


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

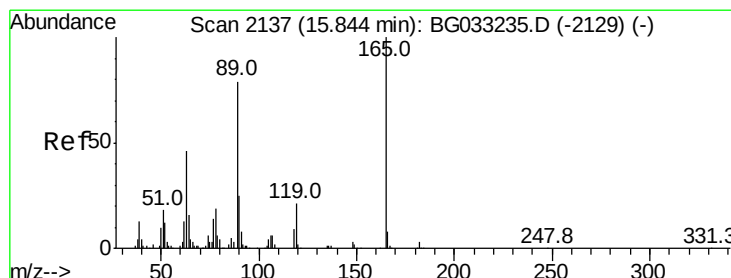
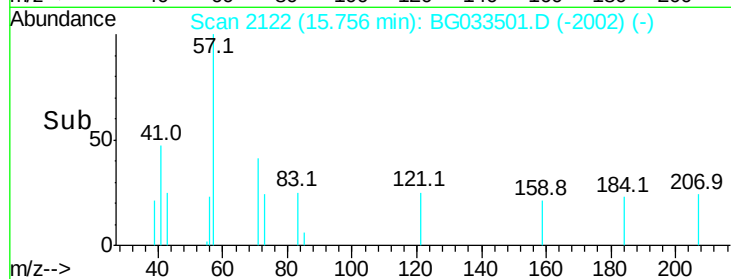
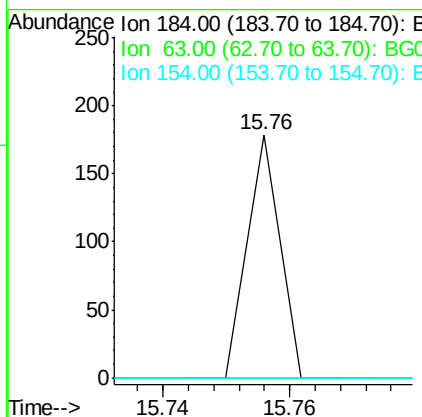
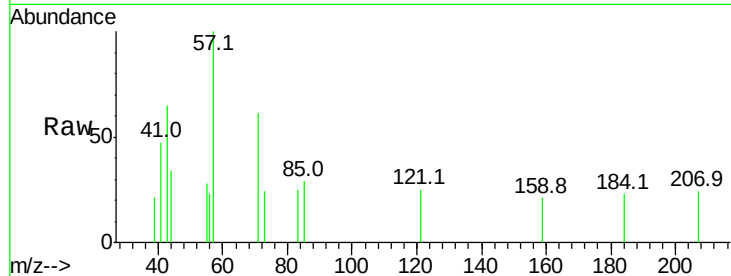




#53
2,4-Dinitrophenol
Concen: 7.694 ng
RT: 15.76 min Scan# 2122
Delta R.T. 0.17 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

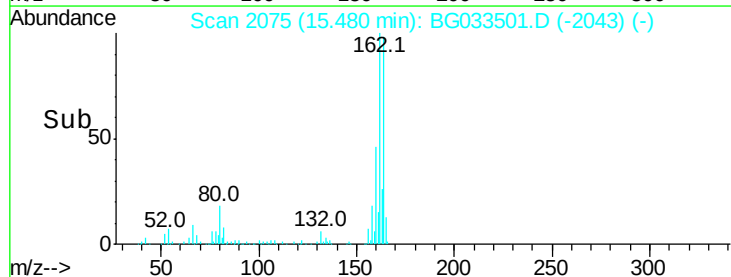
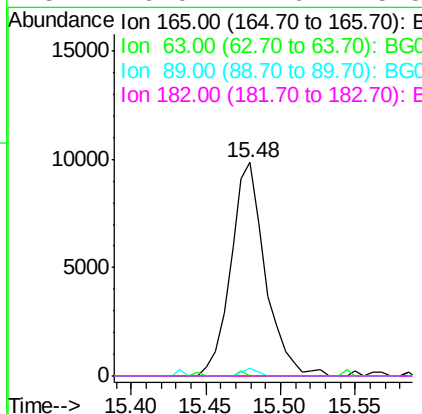
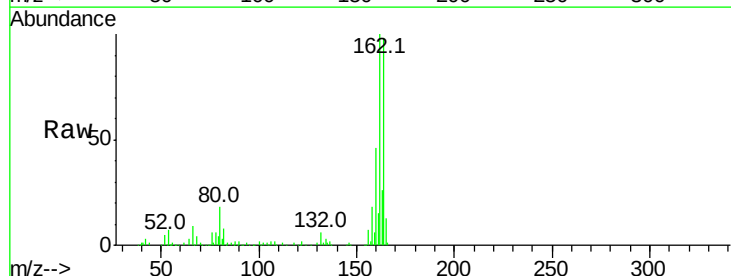
Instrument :
BNA_G
ClientSampleId :

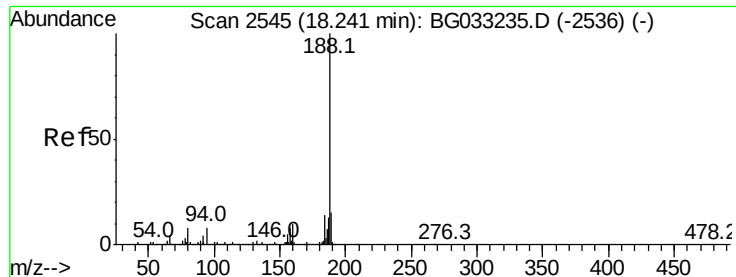
Tot Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 4.943 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033501.D
Acq: 2 Apr 2018 23:46

Tgt Ion:165 Resp: 15757
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.5 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

Instrument :

BNA_G

ClientSampleId :

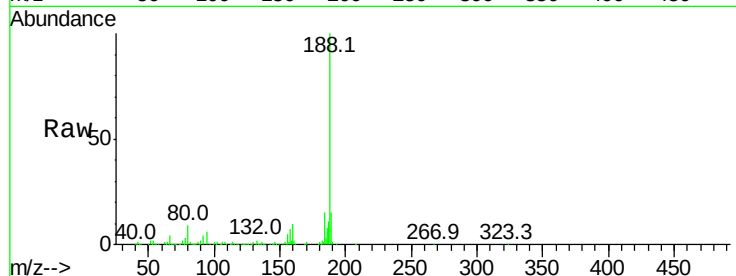
Tot Ion:188 Resp: 334442

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

80 8.5 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

250000

200000

150000

100000

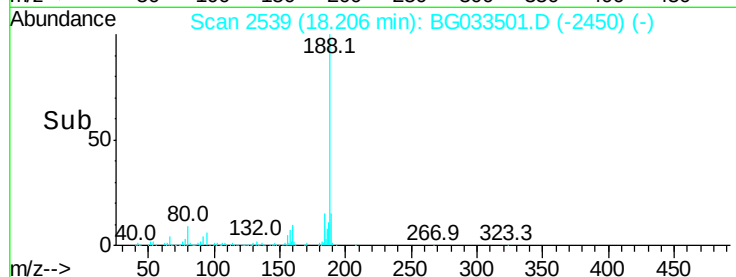
50000

0

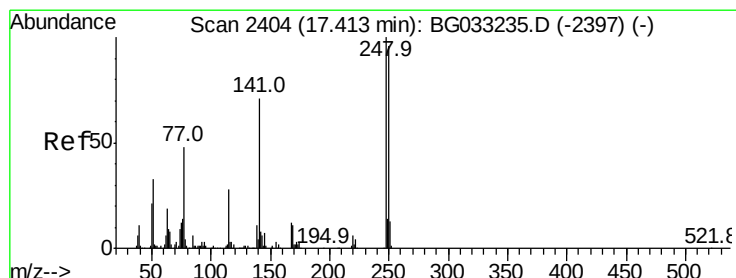
18.10

18.20

18.30



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.680 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.43 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

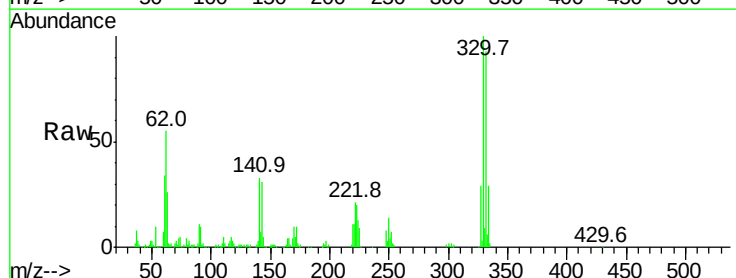
Tgt Ion:248 Resp: 14453

Ion Ratio Lower Upper

248 100

250 184.9 77.1 115.7#

141 441.0 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

50000

40000

30000

20000

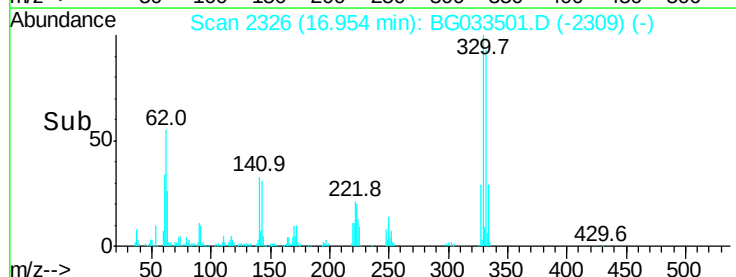
10000

0

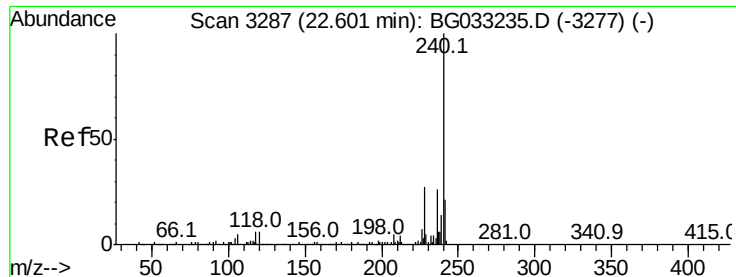
16.90

16.95

17.00



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

Instrument :

BNA_G

ClientSampleId :

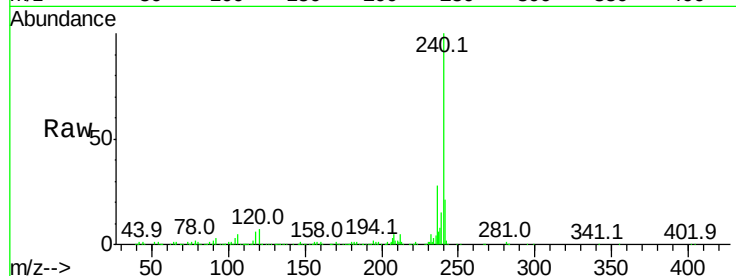
Tot Ion:240 Resp: 347139

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

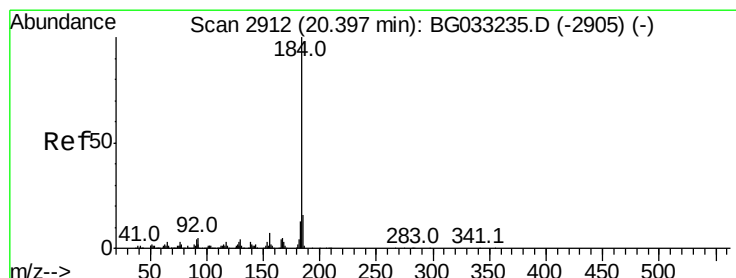
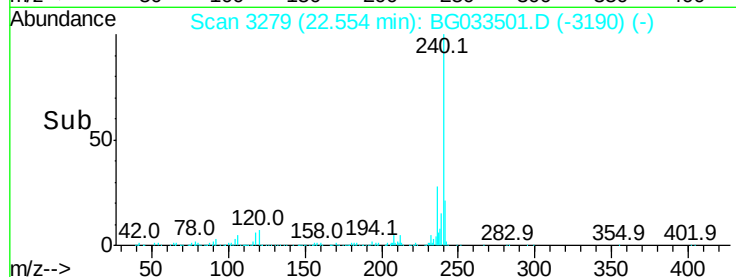
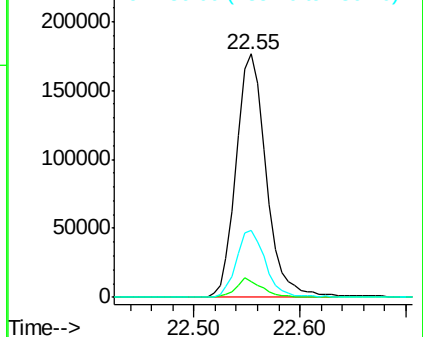
236 27.6 20.9 31.3



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: 2.924 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033501.D

Acq: 2 Apr 2018 23:46

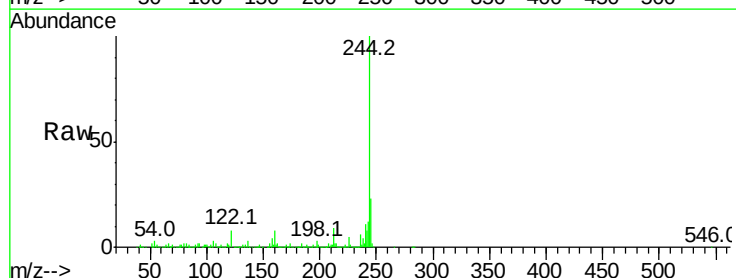
Tgt Ion:184 Resp: 27523

Ion Ratio Lower Upper

184 100

185 13.3 11.1 16.7

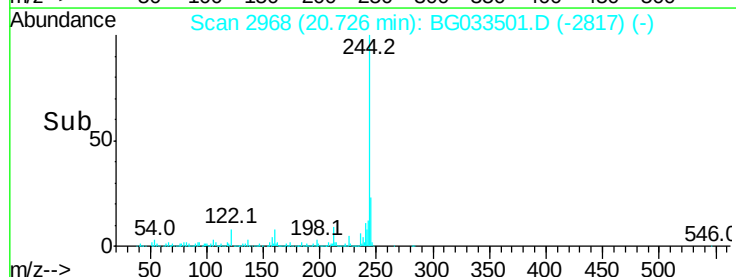
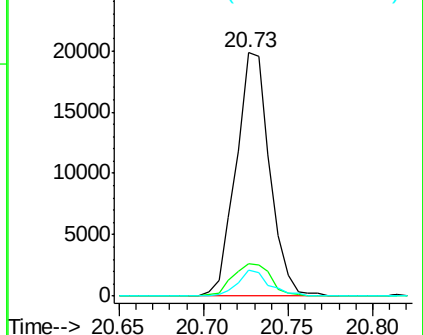
183 10.5 10.6 16.0#

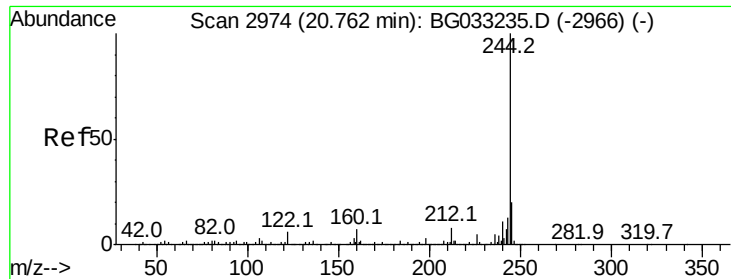


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

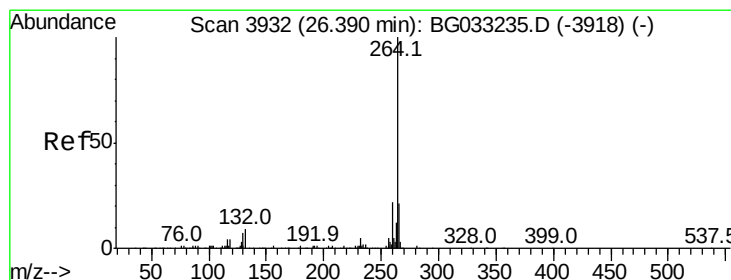
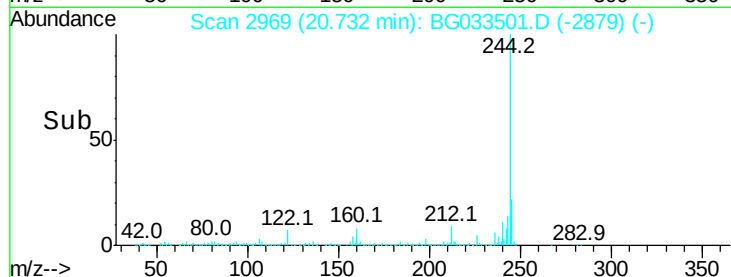
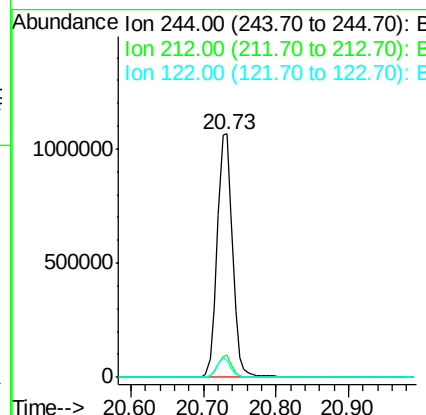
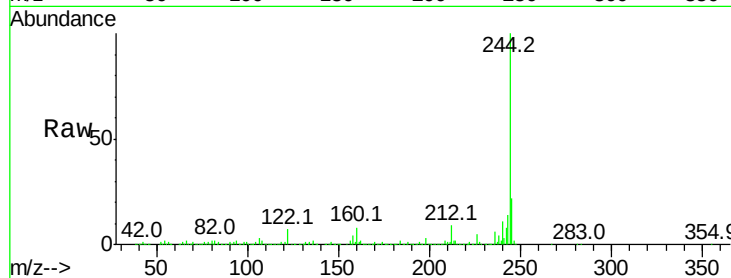




#78
 Terphenyl-d14
 Concen: 96.735 ng
 RT: 20.73 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: BG033501.D
 Acq: 2 Apr 2018 23:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1570211
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.8 8.8#
 122 7.1 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3919
 Delta R.T. -0.02 min
 Lab File: BG033501.D
 Acq: 2 Apr 2018 23:46

Tgt Ion:264 Resp: 365781
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.4 26.0
 265 21.6 17.7 26.5

