

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032233.D
 Acq On : 23 Jan 2018 16:00
 Operator : SJ/JU
 Sample : J1240-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:56:49 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

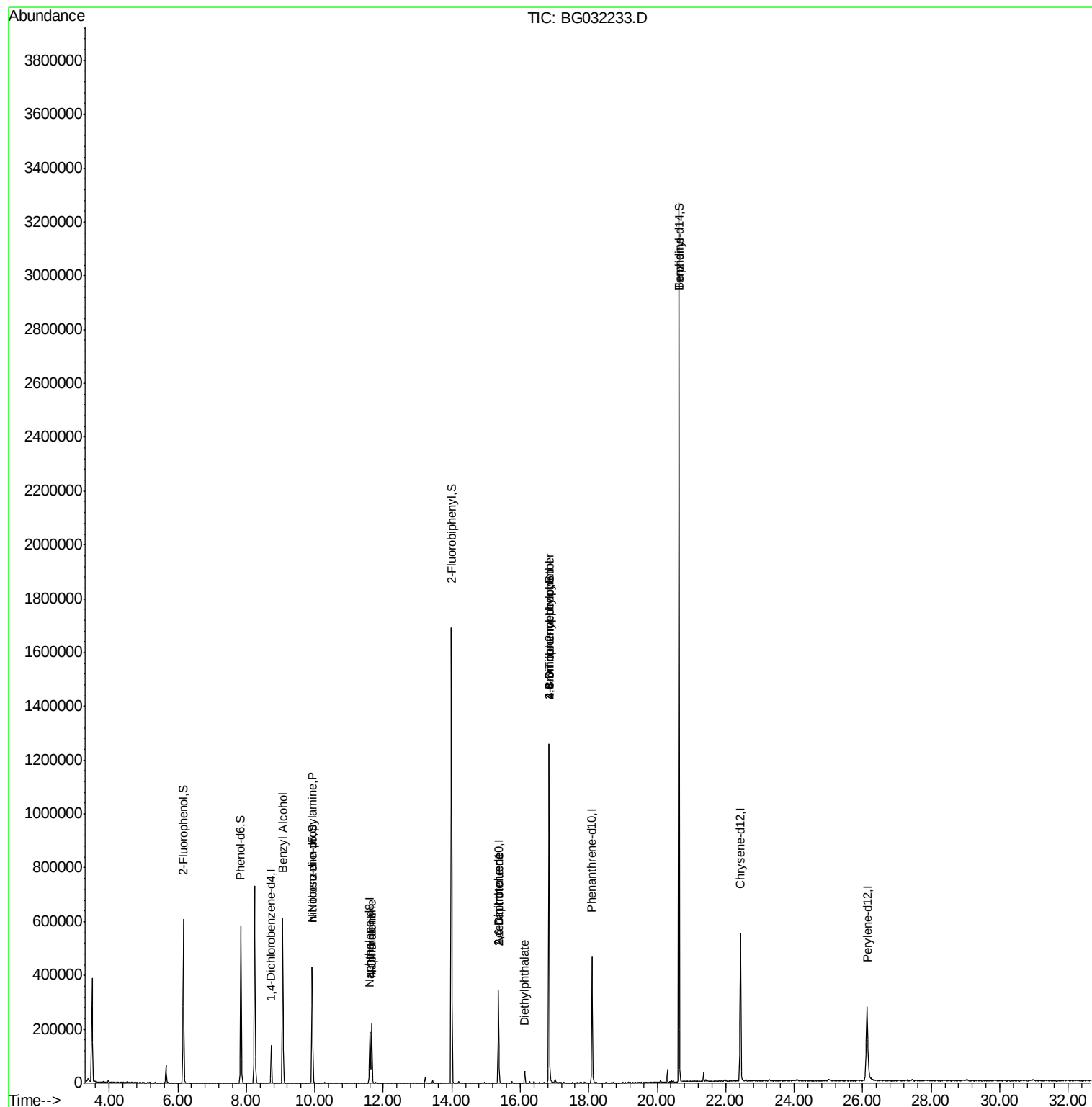
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	44731	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	187724	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	132910	20.00	ng	-0.02
63) Phenanthrene-d10	18.10	188	334164	20.00	ng	-0.01
75) Chrysene-d12	22.43	240	430624	20.00	ng	-0.02
86) Perylene-d12	26.13	264	443637	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	307221	125.61	ng	0.00
7) Phenol-d6	7.84	99	355450	115.40	ng	0.00
23) Nitrobenzene-d5	9.93	82	272141	98.08	ng	-0.01
41) 2,4,6-Tribromophenol	16.84	330	292944	133.20	ng	-0.01
44) 2-Fluorobiphenyl	13.99	172	981163	91.54	ng	-0.01
78) Terphenyl-d14	20.63	244	1767966	90.65	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.06	79	4818	2.153	ng	# 42
19) n-Nitroso-di-n-propylamine	9.93	70	37010	19.365	ng	# 74
31) Naphthalene	11.66	128	209313	22.508	ng	# 99
33) 4-Chloroaniline	11.66	127	28865	7.238	ng	# 36
50) 2,6-Dinitrotoluene	15.36	165	17128	7.095	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	17128	5.270	ng	# 16
59) Diethylphthalate	16.13	149	25685	2.278	ng	# 95
64) 4,6-Dinitro-2-methylphenol	16.84	198	637	5.152	ng	# 28
66) 4-Bromophenyl-phenylether	16.84	248	24038	5.056	ng	# 1
76) Benzidine	20.63	184	25206	2.341	ng	# 90

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

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QLast Update : Thu Jan 18 10:13:16 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 926

Delta R.T. -0.01 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

Instrument :

BNA_G

ClientSampled :

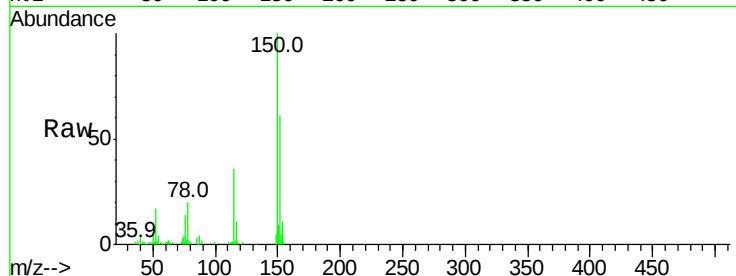
Tot Ion:152 Resp: 44731

Ion Ratio Lower Upper

152 100

150 164.0 126.6 189.8

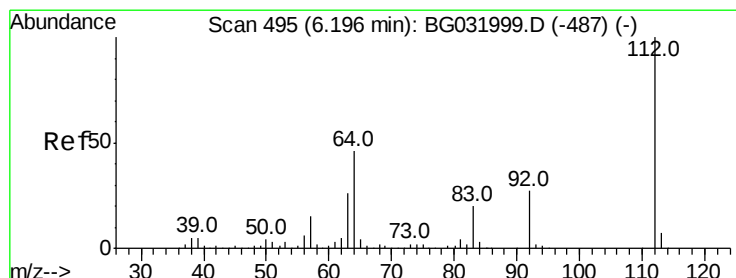
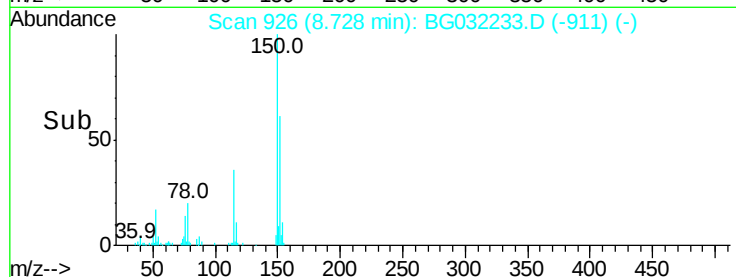
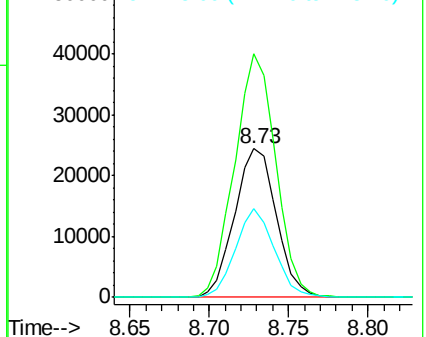
115 59.4 53.0 79.4



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: 125.615 ng

RT: 6.17 min Scan# 490

Delta R.T. -0.00 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

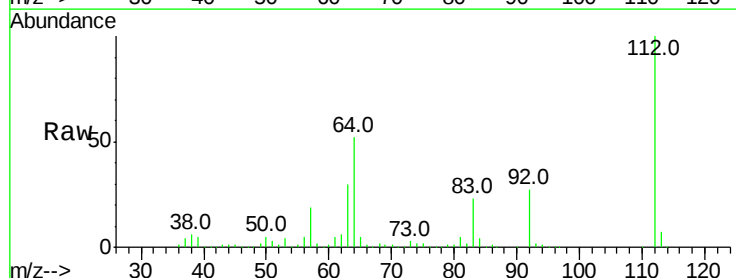
Tgt Ion:112 Resp: 307221

Ion Ratio Lower Upper

112 100

64 51.9 56.3 84.5#

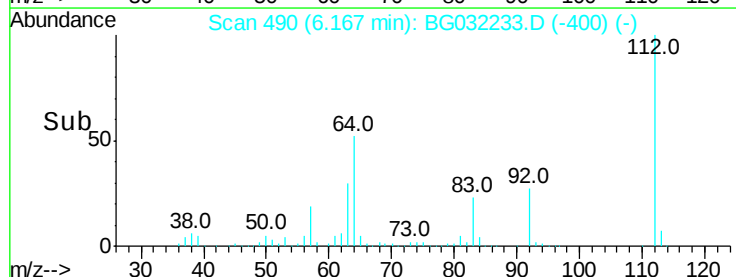
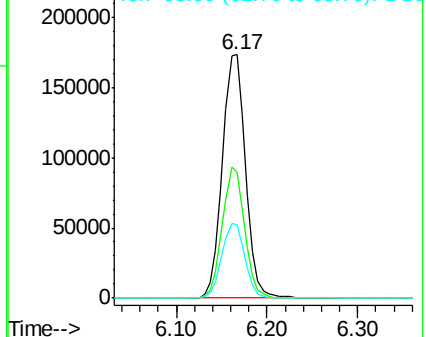
63 30.2 30.1 45.1

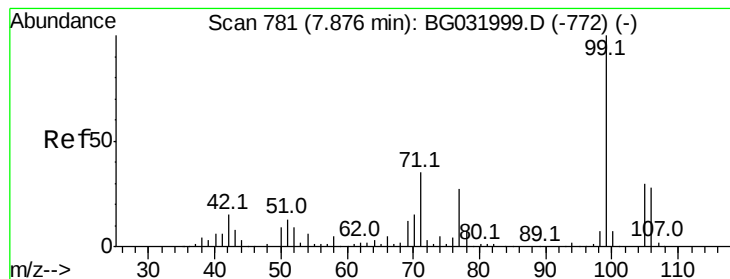


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.396 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

Instrument :

BNA_G

ClientSampled :

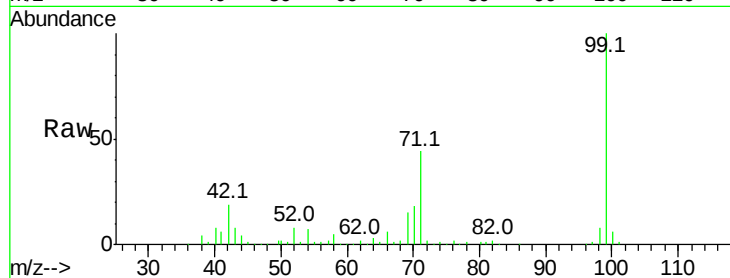
Tot Ion: 99 Resp: 355450

Ion Ratio Lower Upper

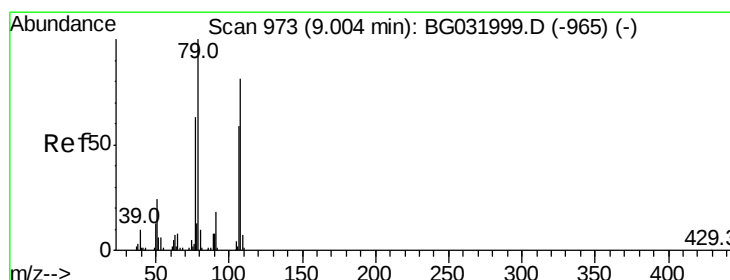
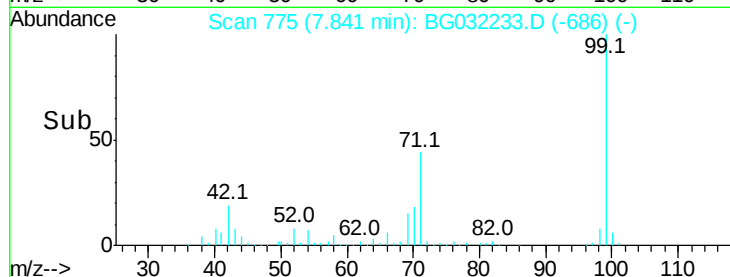
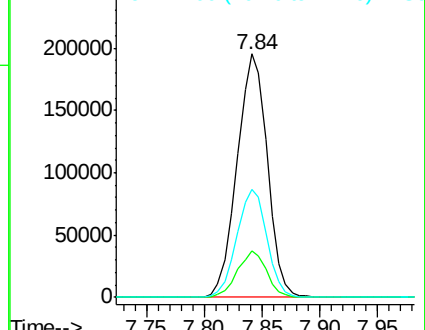
99 100

42 19.1 14.1 21.1

71 44.4 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: 2.153 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.09 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

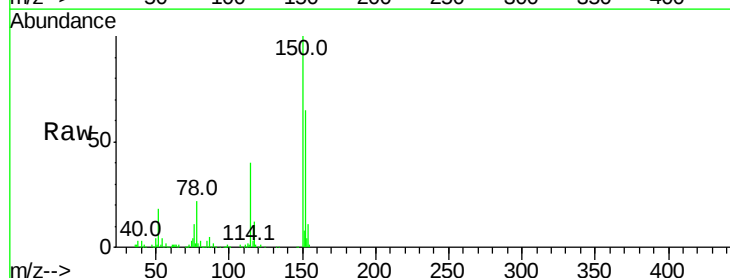
Tgt Ion: 79 Resp: 4818

Ion Ratio Lower Upper

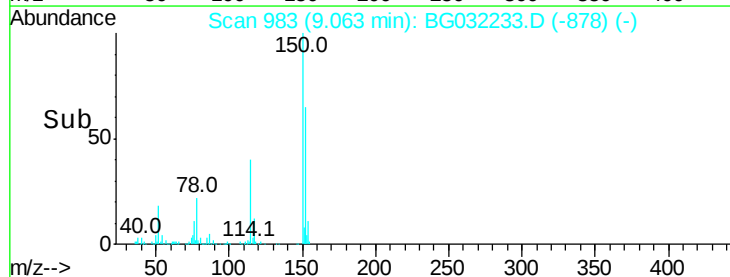
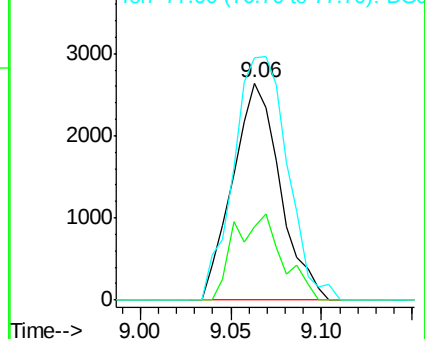
79 100

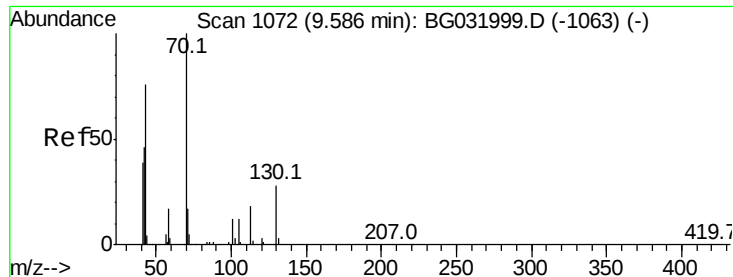
108 34.0 57.2 85.8#

77 111.8 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

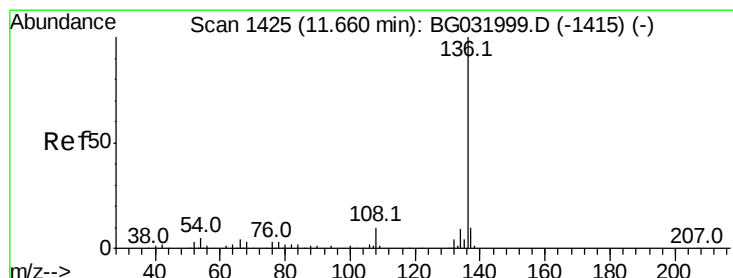
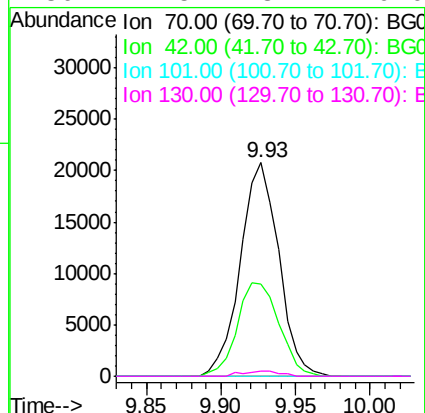
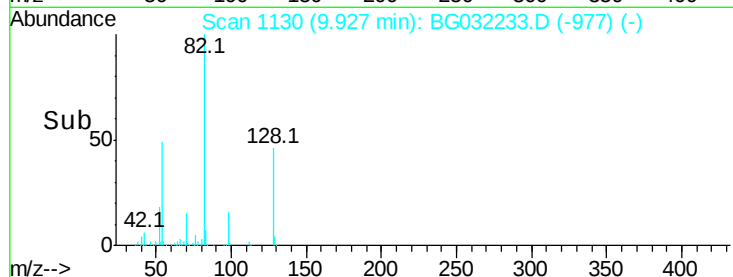
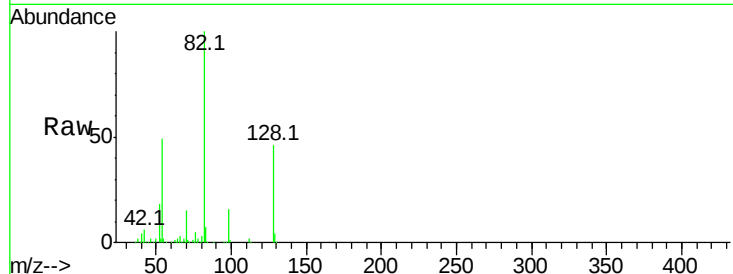




#19
n-Nitroso-di-n-propylamine
Concen: 19.365 ng
RT: 9.93 min Scan# 1130
Delta R.T. 0.37 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

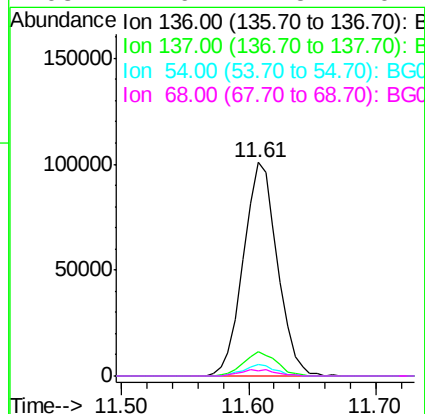
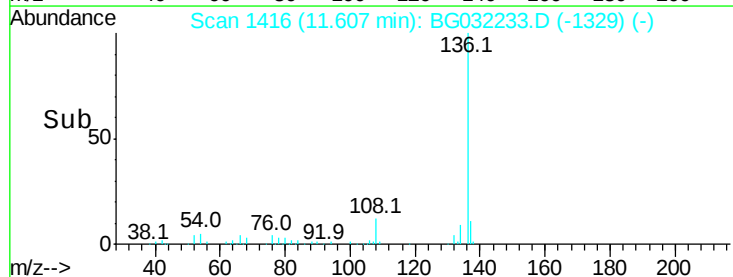
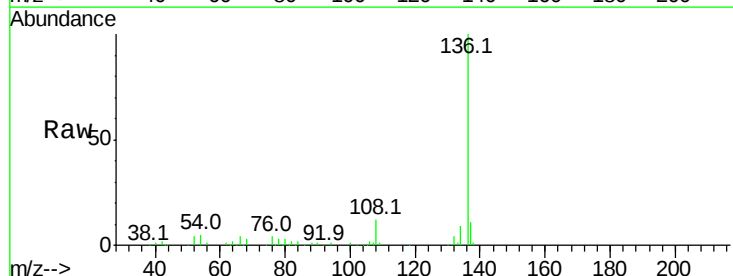
Instrument :
BNA_G
ClientSampleId :

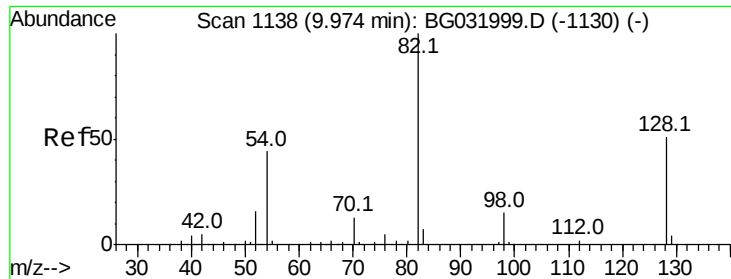
Tot Ion: 70 Resp: 37010
Ion Ratio Lower Upper
70 100
42 43.2 49.1 73.7#
101 0.0 8.5 12.7#
130 2.5 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

Tgt Ion: 136 Resp: 187724
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 5.3 10.3 15.5#
68 2.6 4.5 6.7#

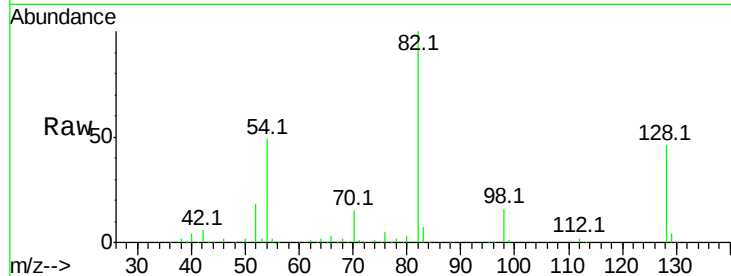




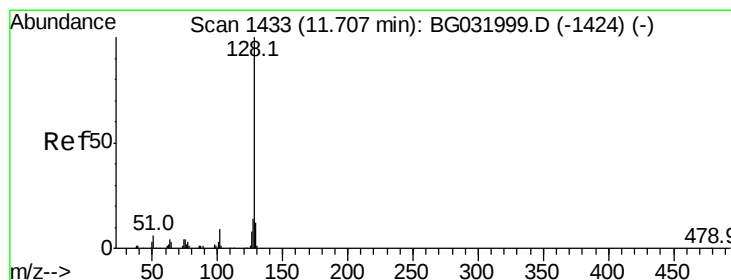
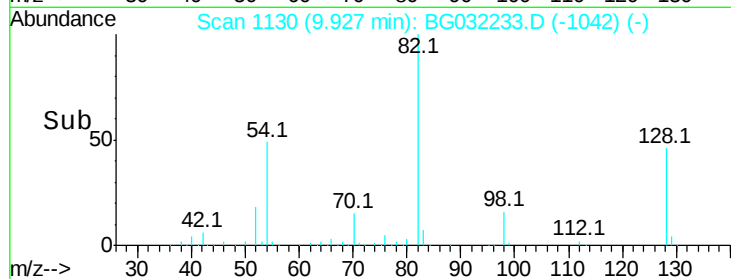
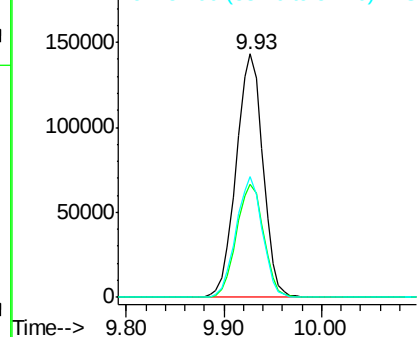
#23
Nitrobenzene-d5
Concen: 98.078 ng
RT: 9.93 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 272141
Ion Ratio Lower Upper
82 100
128 46.3 29.7 44.5#
54 49.3 43.1 64.7

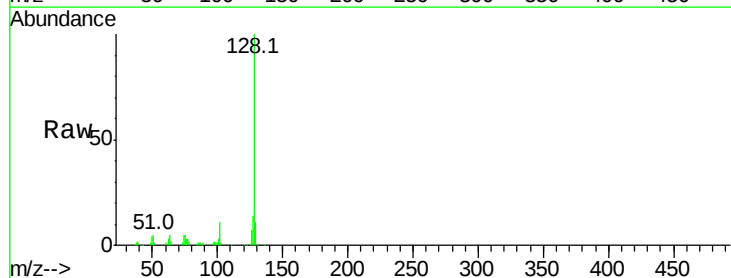


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

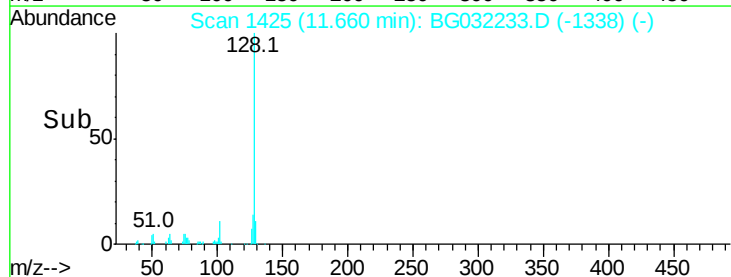
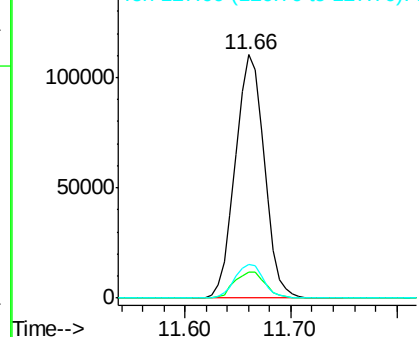


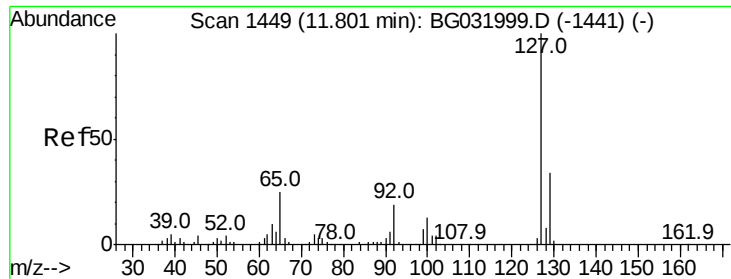
#31
Naphthalene
Concen: 22.508 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.02 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

Tgt Ion:128 Resp: 209313
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 14.0 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

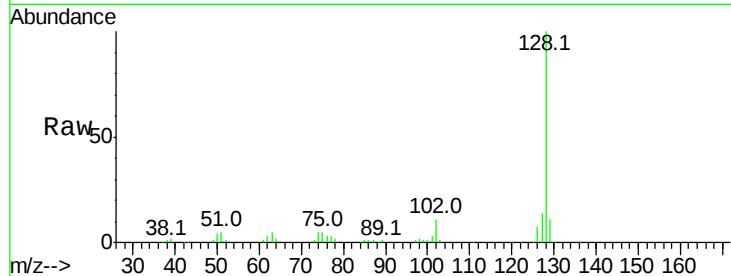




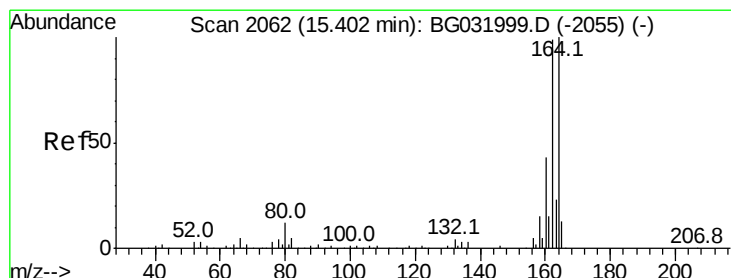
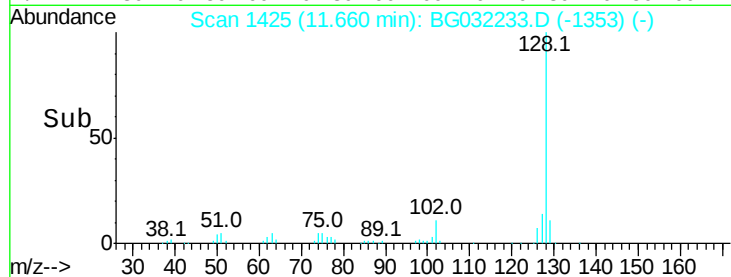
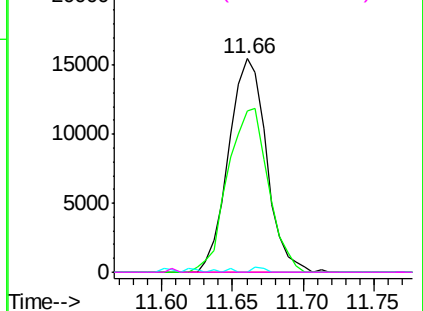
#33
4-Chloroaniline
Concen: 7.238 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.11 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	28865
Ion	Ratio	Lower	Upper
127	100		
129	75.5	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

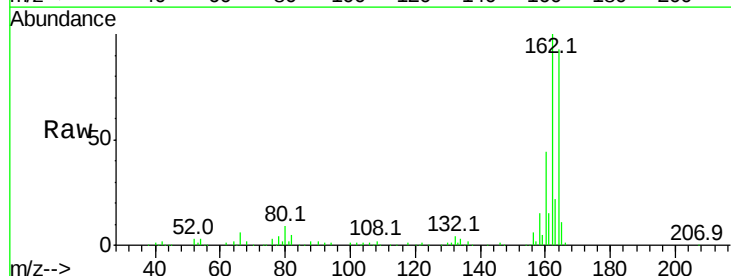


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

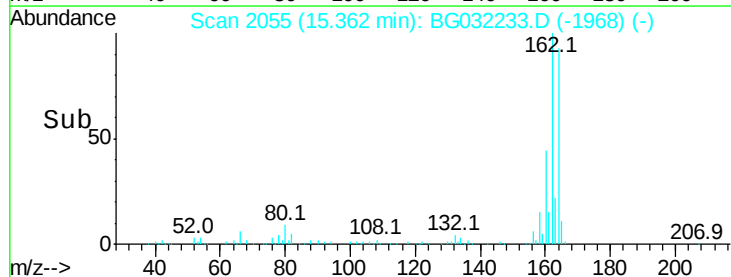
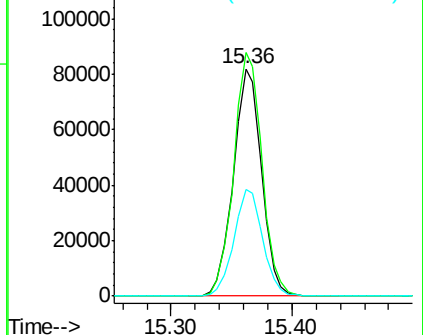


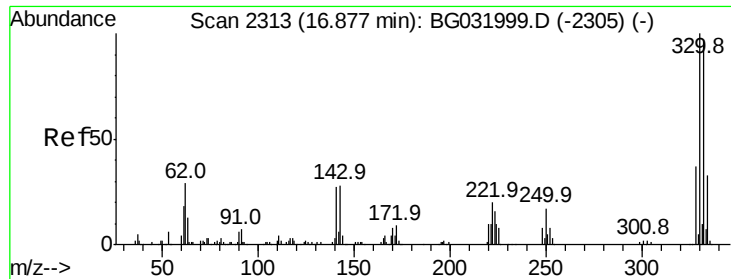
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

Tgt Ion:	164	Resp:	132910
Ion	Ratio	Lower	Upper
164	100		
162	107.0	78.8	118.2
160	46.6	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

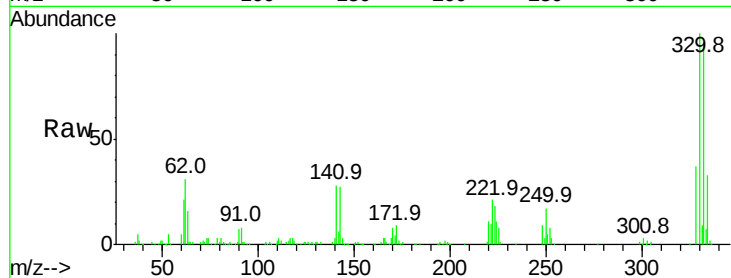




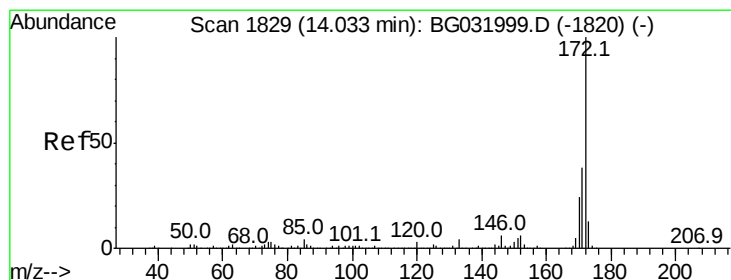
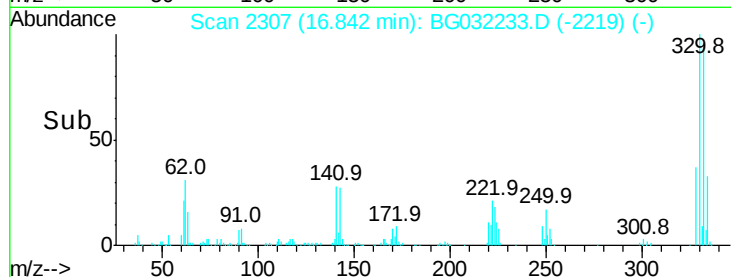
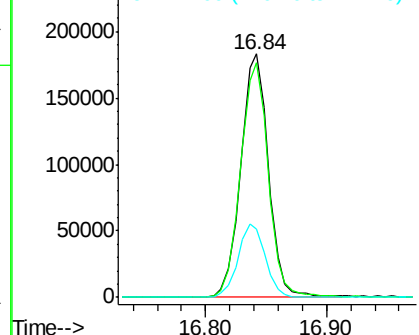
#41
 2,4,6-Tribromophenol
 Concen: 133.196 ng
 RT: 16.84 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: BG032233.D
 Acq: 23 Jan 2018 16:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	29.8	25.2	37.8

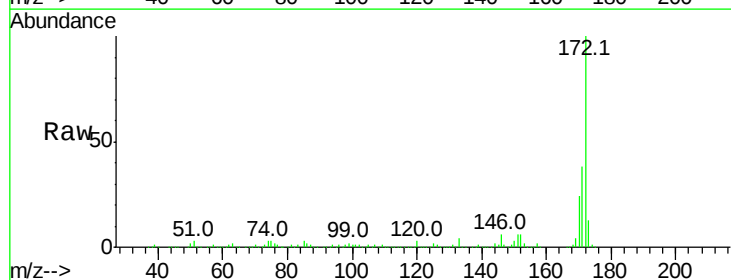


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

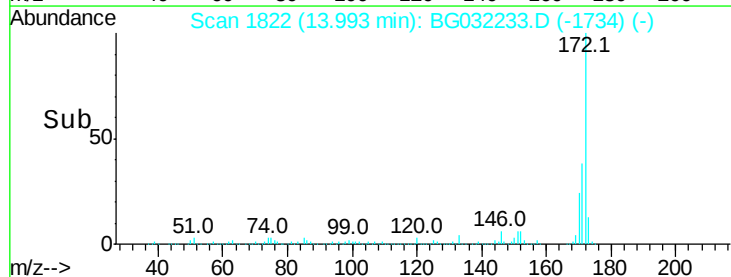
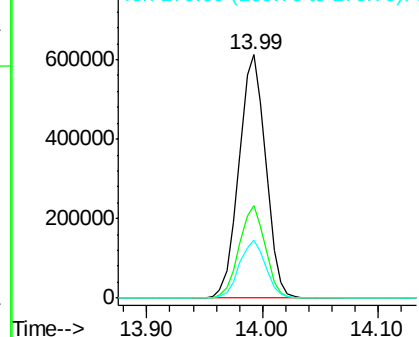


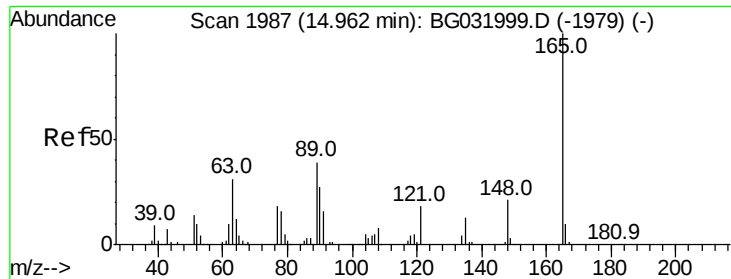
#44
 2-Fluorobiphenyl
 Concen: 91.535 ng
 RT: 13.99 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BG032233.D
 Acq: 23 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.0	45.0
170	23.8	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

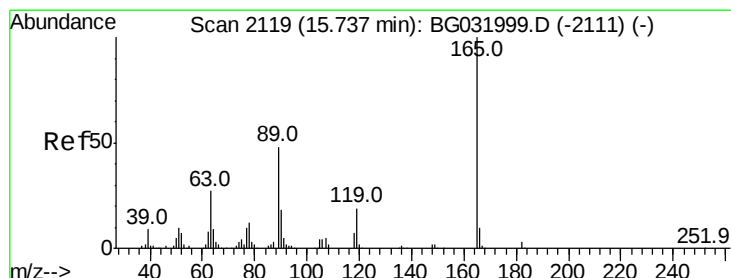
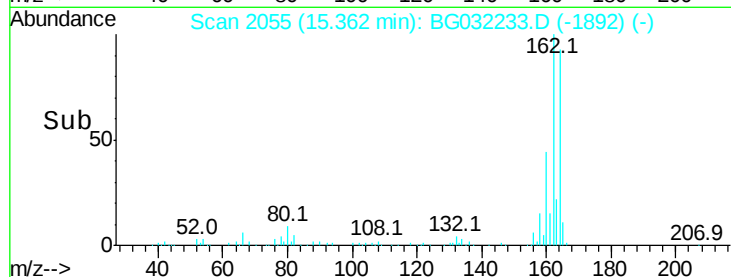
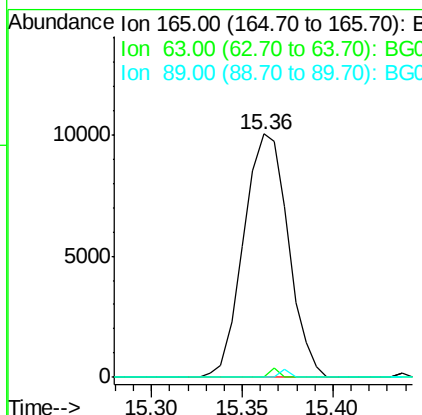
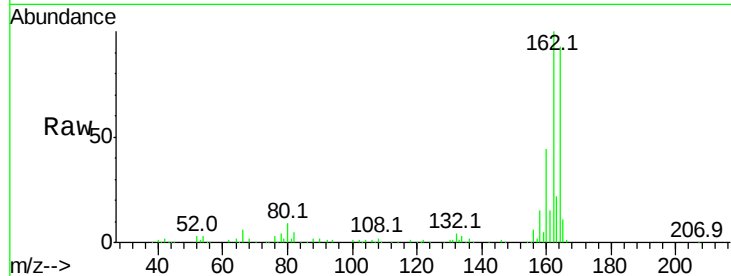




#50
 2,6-Dinitrotoluene
 Concen: 7.095 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.43 min
 Lab File: BG032233.D
 Acq: 23 Jan 2018 16:00

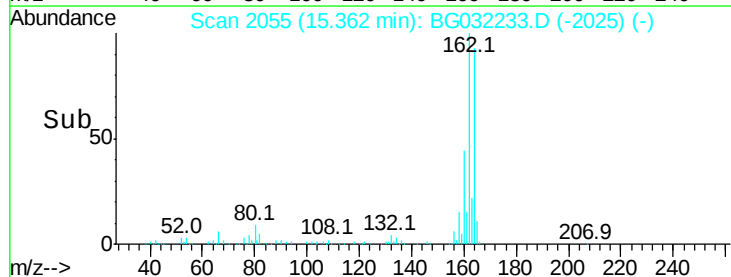
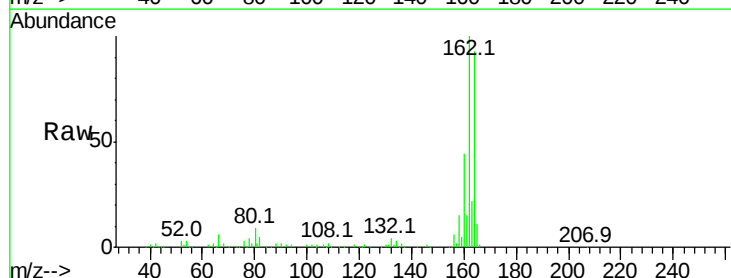
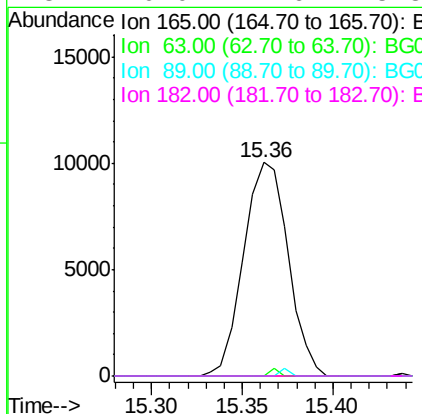
Instrument :
 BNA_G
 ClientSampleId :

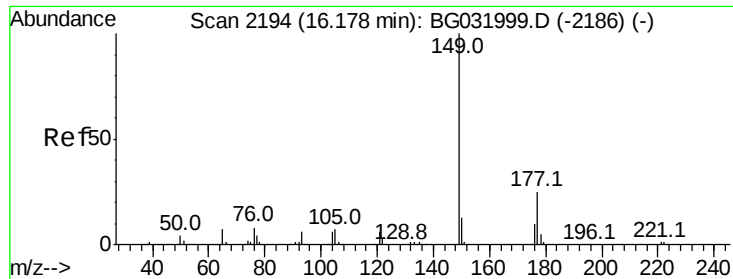
Tot Ion:165 Resp: 17128
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.270 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. -0.35 min
 Lab File: BG032233.D
 Acq: 23 Jan 2018 16:00

Tgt Ion:165 Resp: 17128
 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#

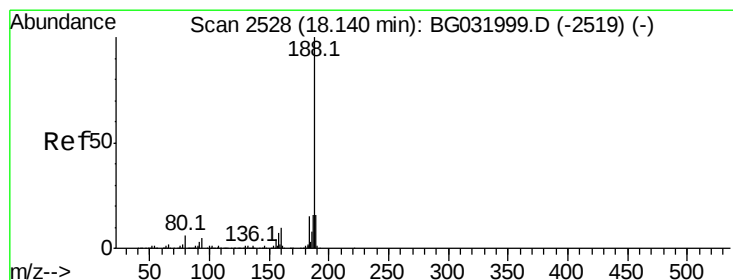
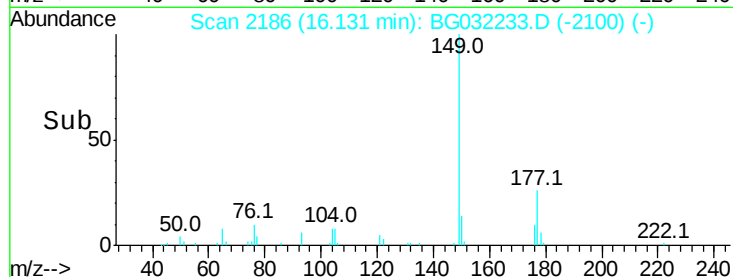
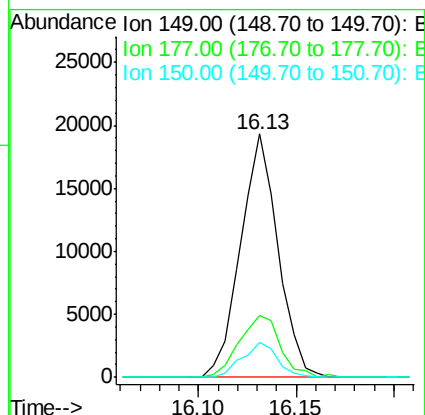
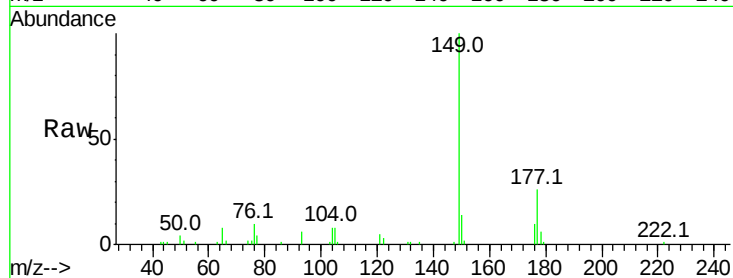




#59
Diethylphthalate
Concen: 2.278 ng
RT: 16.13 min Scan# 2186
Delta R.T. -0.03 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

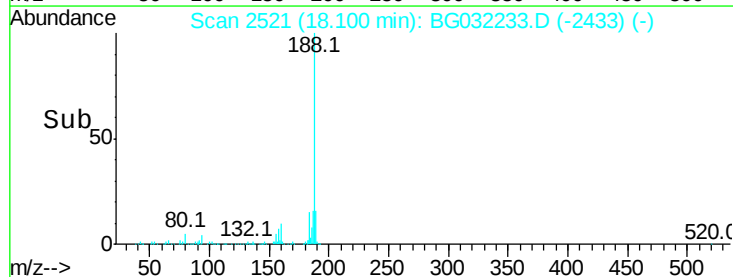
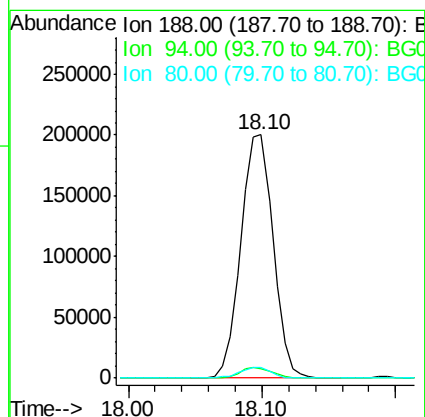
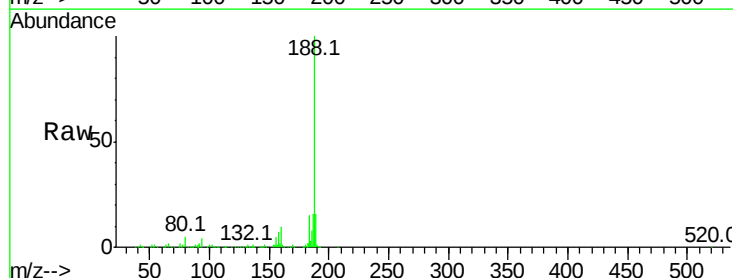
Instrument :
BNA_G
ClientSampled :

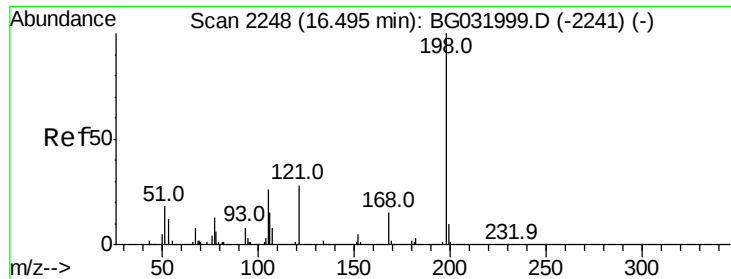
Tot Ion:149 Resp: 25685
Ion Ratio Lower Upper
149 100
177 25.6 18.5 27.7
150 14.2 10.2 15.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.10 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BG032233.D
Acq: 23 Jan 2018 16:00

Tgt Ion:188 Resp: 334164
Ion Ratio Lower Upper
188 100
94 3.9 6.9 10.3#
80 4.5 7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.152 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.36 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

Instrument :

BNA_G

ClientSampled :

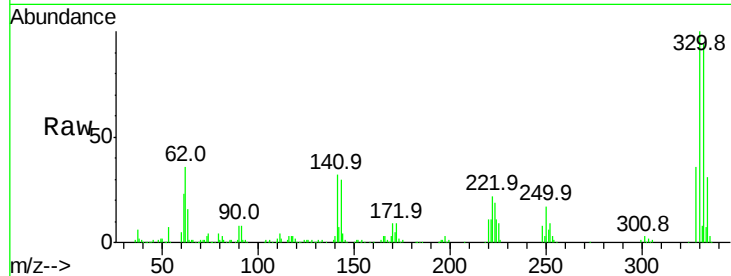
Tot Ion:198 Resp: 637

Ion Ratio Lower Upper

198 100

51 62.0 30.6 70.6

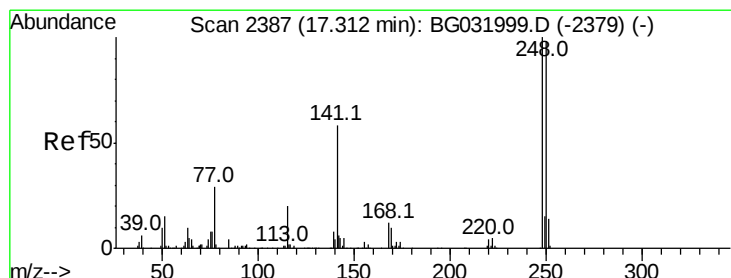
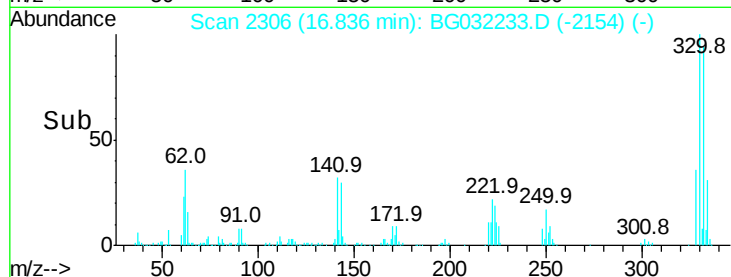
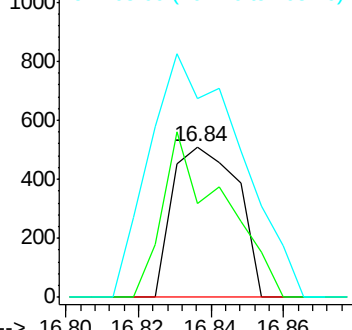
105 132.2 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.056 ng

RT: 16.84 min Scan# 2307

Delta R.T. -0.45 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

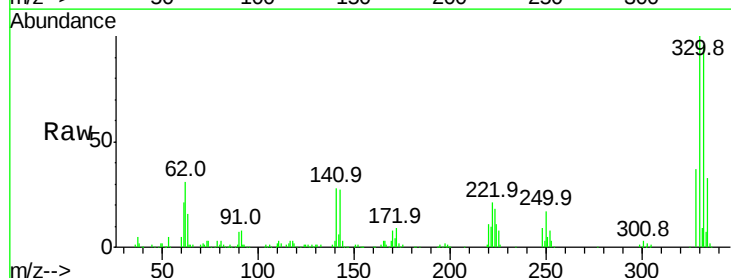
Tgt Ion:248 Resp: 24038

Ion Ratio Lower Upper

248 100

250 191.1 77.1 115.7#

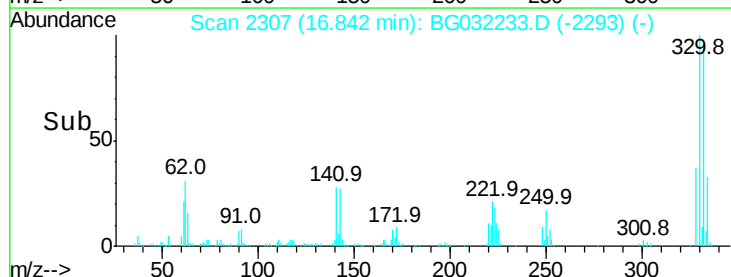
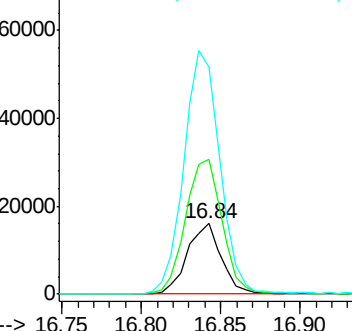
141 322.1 50.8 76.2#

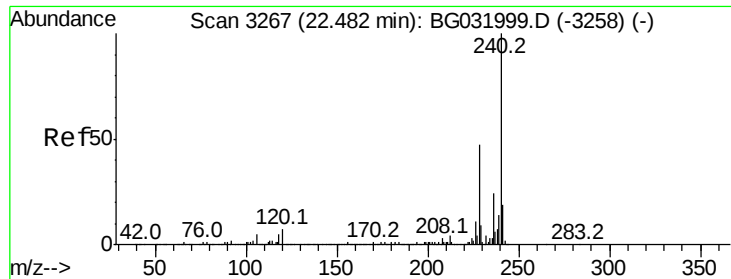


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.43 min Scan# 3258

Delta R.T. -0.02 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

Instrument :

BNA_G

ClientSampleId :

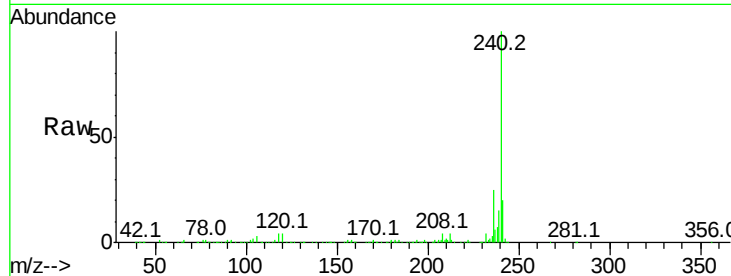
Tot Ion:240 Resp: 430624

Ion Ratio Lower Upper

240 100

120 4.3 6.8 10.2#

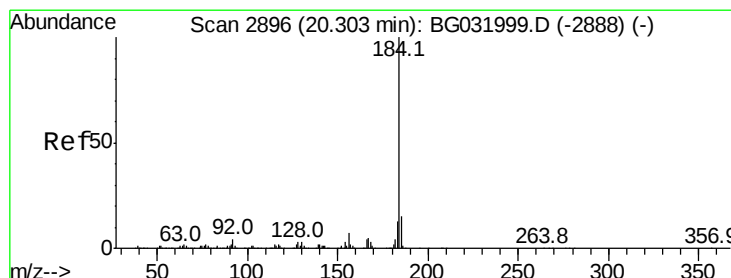
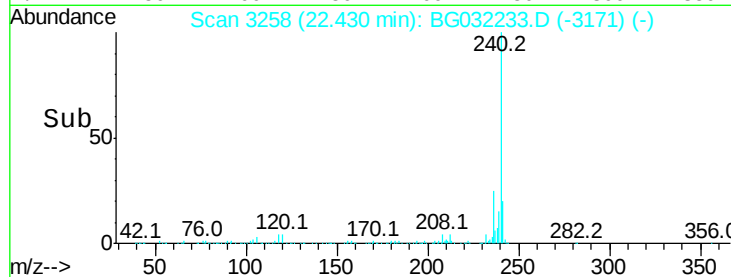
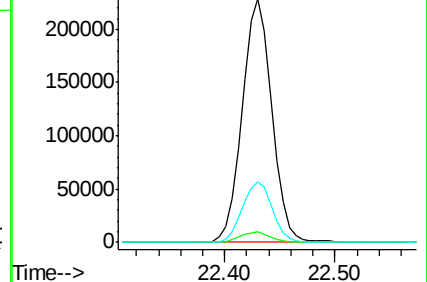
236 24.8 20.9 31.3



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: 2.341 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.36 min

Lab File: BG032233.D

Acq: 23 Jan 2018 16:00

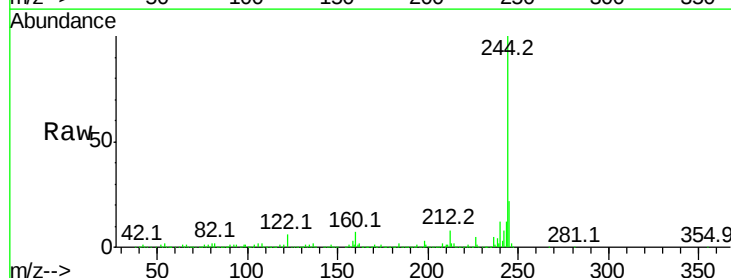
Tgt Ion:184 Resp: 25206

Ion Ratio Lower Upper

184 100

185 18.9 11.1 16.7#

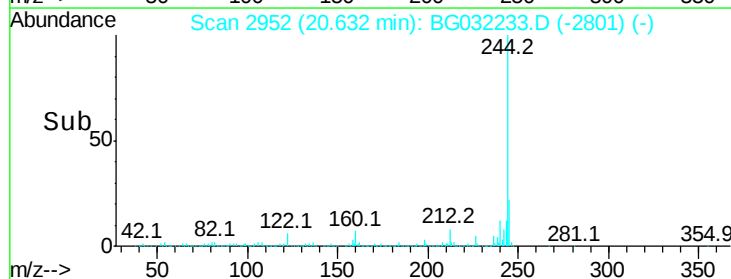
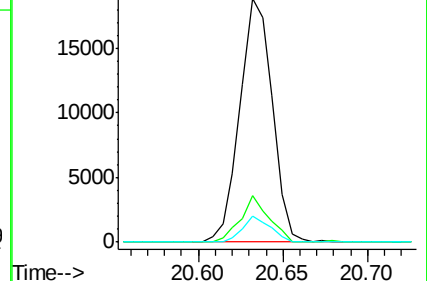
183 10.6 10.6 16.0#

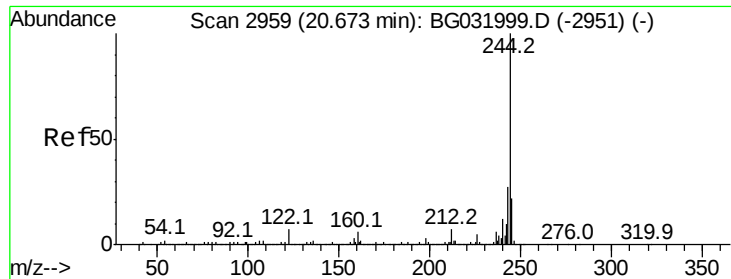


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



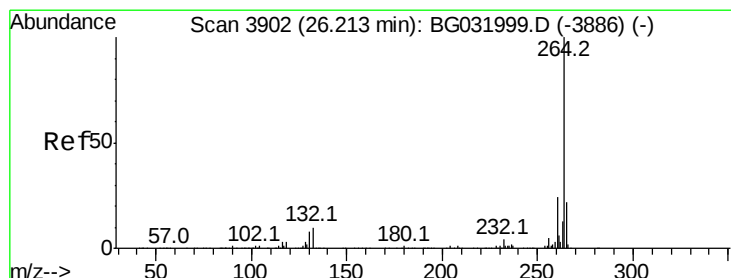
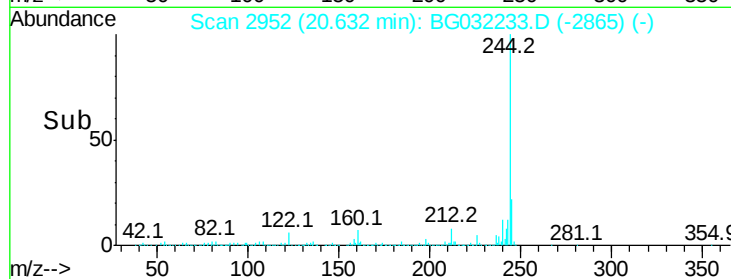
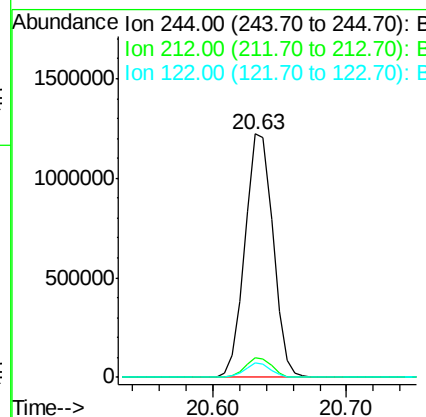
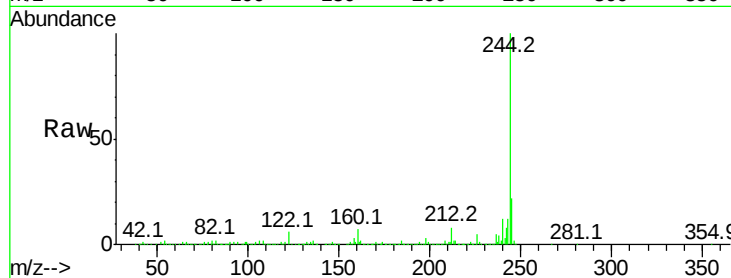


#78
 Terphenyl-d14
 Concen: 90.653 ng
 RT: 20.63 min Scan# 2952
 Delta R.T. -0.02 min
 Lab File: BG032233.D
 Acq: 23 Jan 2018 16:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1767966

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	6.0	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.13 min Scan# 3887
 Delta R.T. -0.03 min
 Lab File: BG032233.D
 Acq: 23 Jan 2018 16:00

Tgt Ion:264 Resp: 443637

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	23.2	17.7	26.5

