

Data Path : Z:\HPCHEM1\BNA G\DATA\BG033018\
 Data File : BG033464.D
 Acq On : 31 Mar 2018 1:09
 Operator : SJ/JU
 Sample : J2103-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 31 01:42:59 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

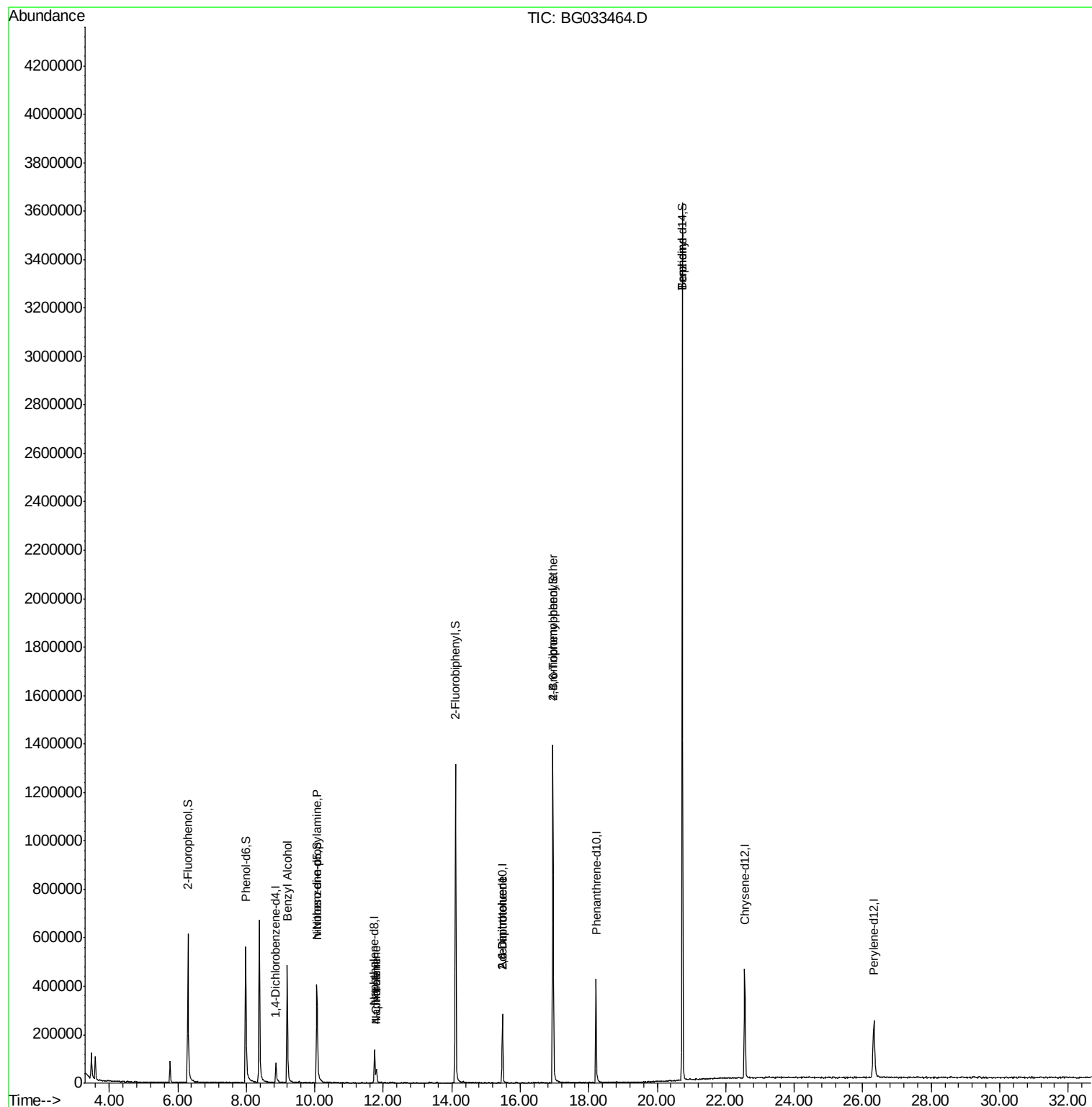
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	30260	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	133550	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	104704	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	304893	20.00	ng	0.00
75) Chrysene-d12	22.55	240	331431	20.00	ng	0.00
86) Perylene-d12	26.33	264	347001	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	297243	184.19	ng	0.00
7) Phenol-d6	7.98	99	405386	146.20	ng	0.00
23) Nitrobenzene-d5	10.06	82	332122	114.26	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	287732	183.74	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	776517	107.06	ng	0.00
78) Terphenyl-d14	20.73	244	1710108	110.35	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.20	79	5277	2.417	ng	# 54
19) n-Nitroso-di-n-propylamine	10.06	70	43829	21.572	ng	# 76
31) Naphthalene	11.80	128	51908	7.501	ng	# 93
33) 4-Chloroaniline	11.80	127	6419	2.070	ng	# 17
50) 2,6-Dinitrotoluene	15.48	165	13755	7.383	ng	# 21
56) 2,4-Dinitrotoluene	15.48	165	13755	5.014	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	22334	6.237	ng	# 1
76) Benzidine	20.73	184	29818	3.318	ng	# 91

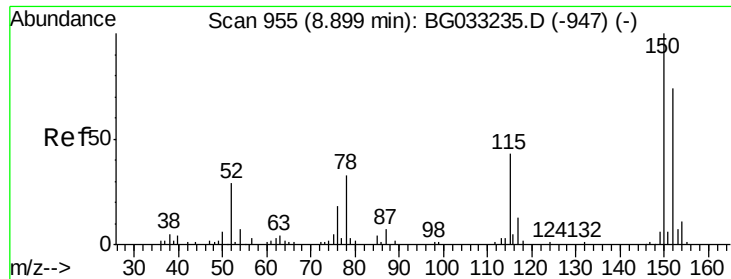
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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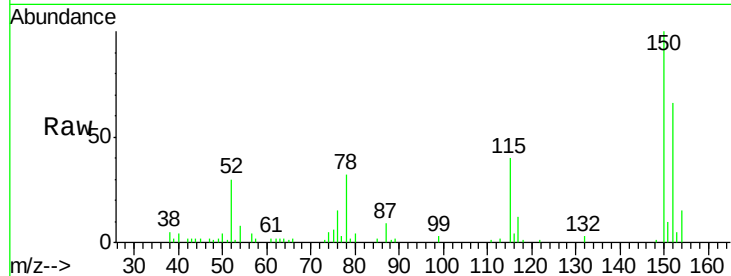


#1

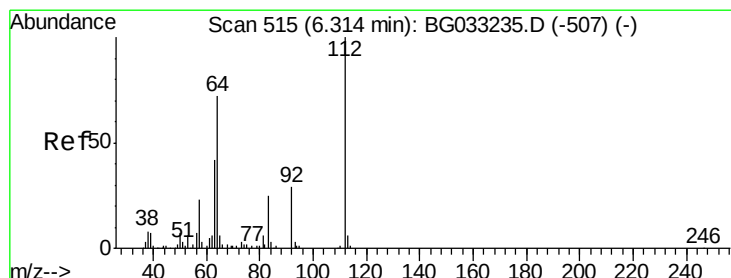
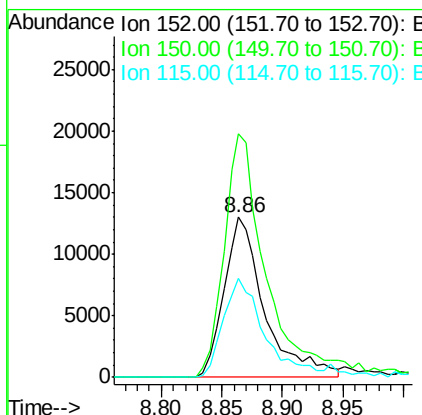
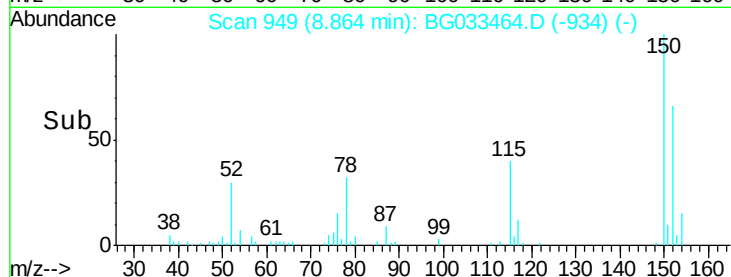
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	126.6	189.8
115	61.4	53.0	79.4



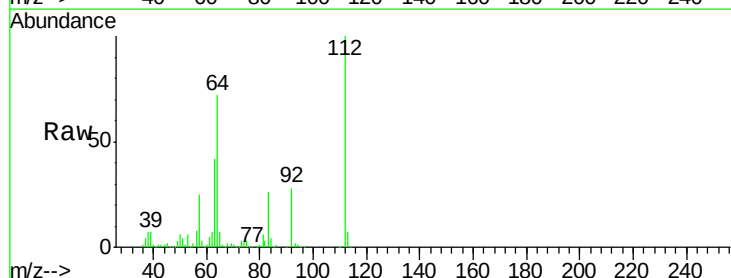
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



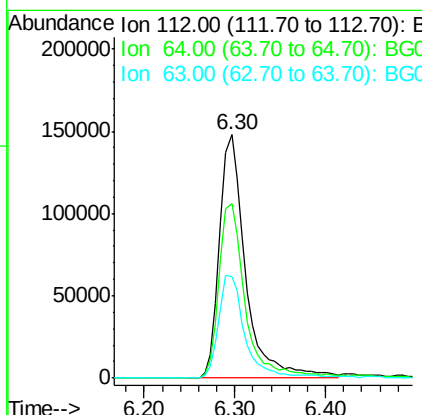
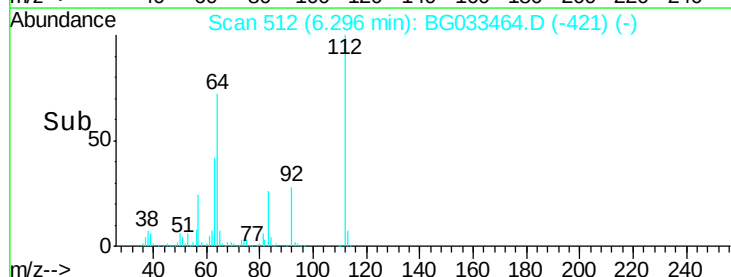
#5

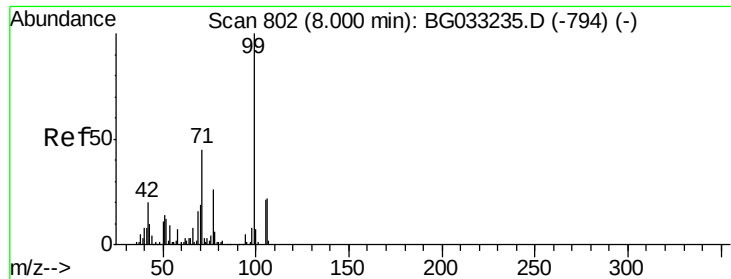
2-Fluorophenol
Concen: 184.192 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.00 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	56.3	84.5
63	41.9	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: 146.202 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033464.D

Acq: 31 Mar 2018 1:09

Instrument :

BNA_G

ClientSampleId :

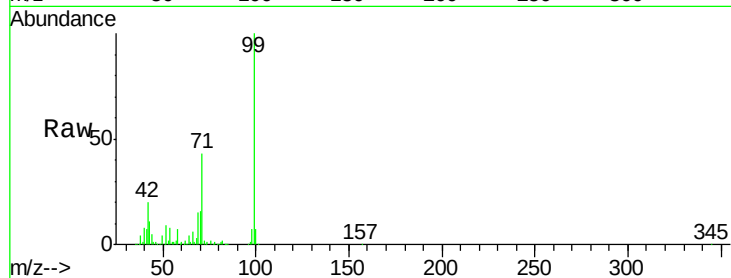
Tot Ion: 99 Resp: 405386

Ion Ratio Lower Upper

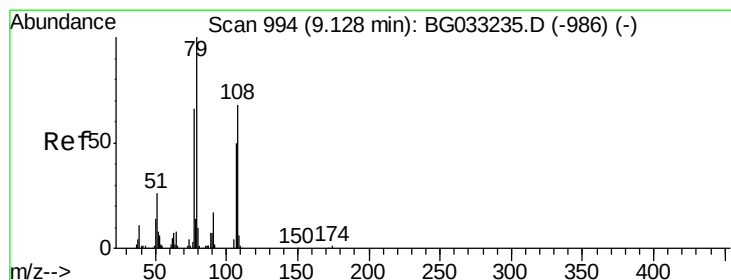
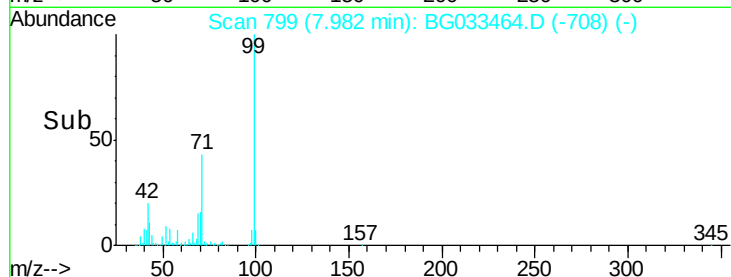
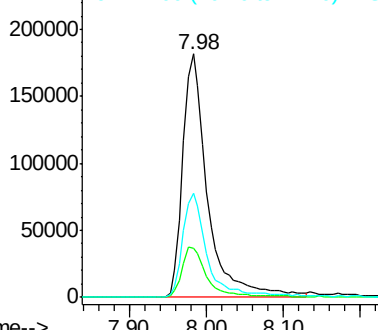
99 100

42 19.9 14.1 21.1

71 42.6 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: 2.417 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033464.D

Acq: 31 Mar 2018 1:09

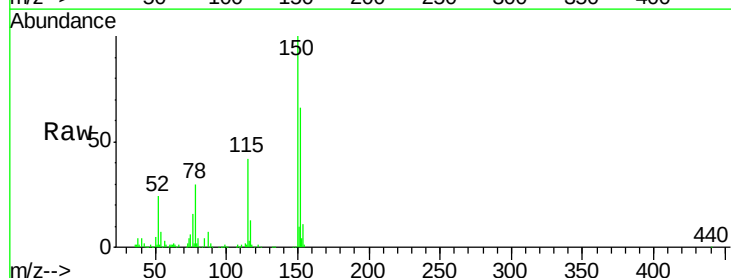
Tgt Ion: 79 Resp: 5277

Ion Ratio Lower Upper

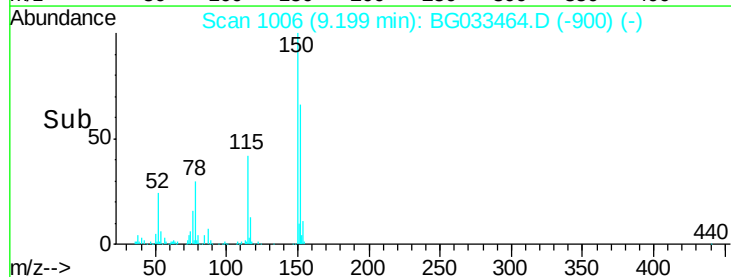
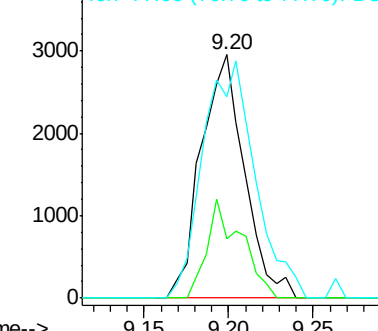
79 100

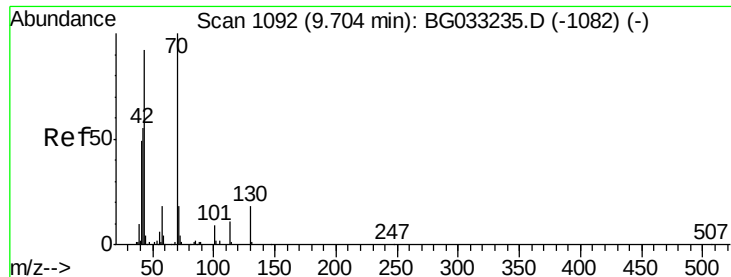
108 24.5 57.2 85.8#

77 82.5 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

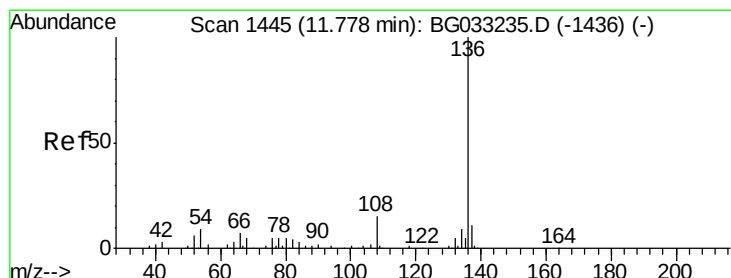
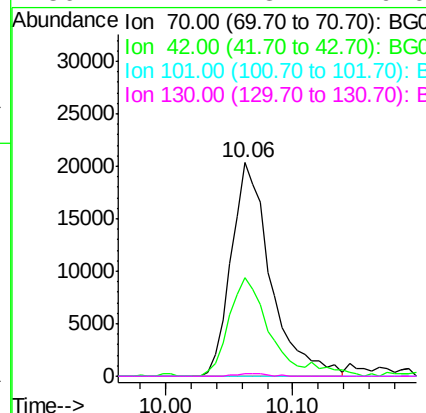
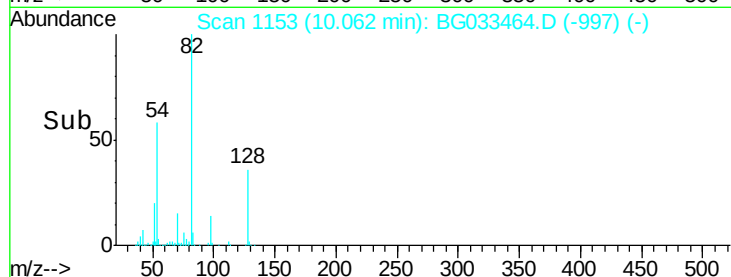
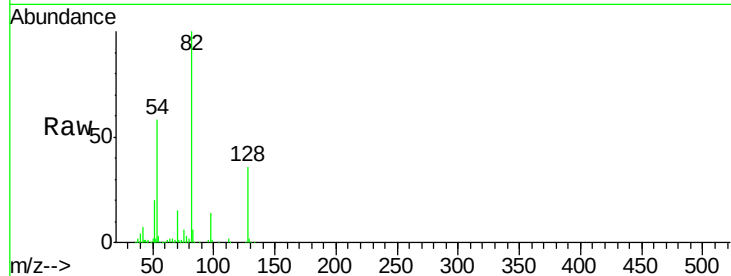




#19
n-Nitroso-di-n-propylamine
Concen: 21.572 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.38 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

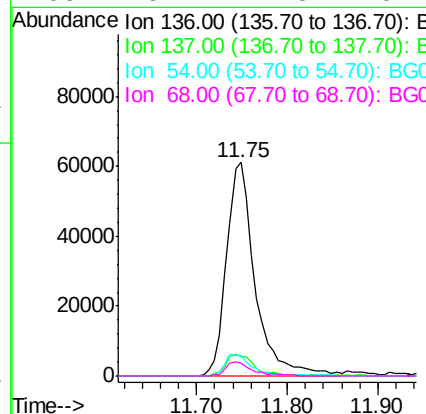
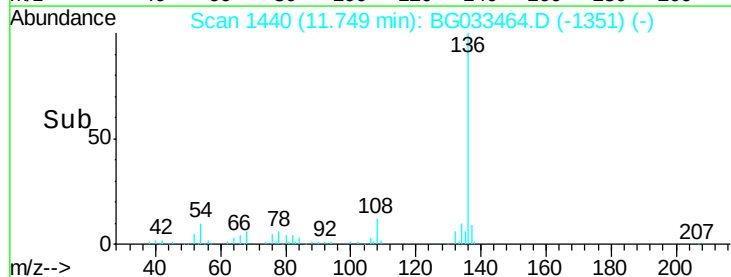
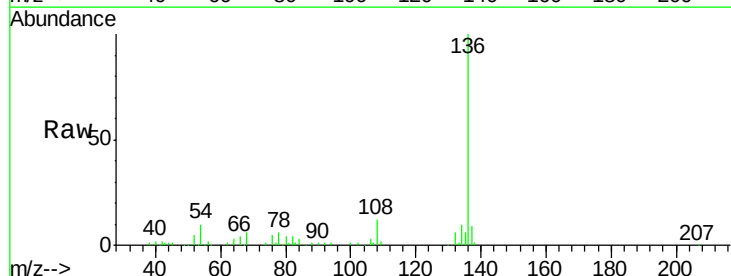
Instrument :
BNA_G
ClientSampleId :

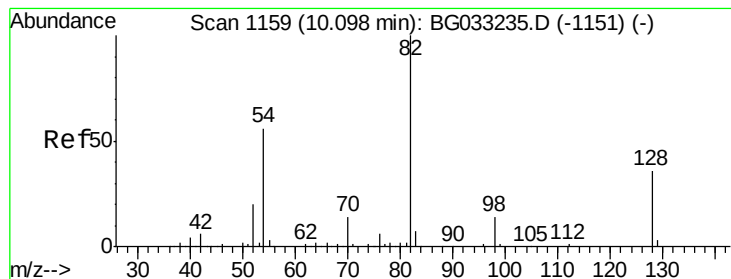
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.1	49.1	73.7#
101	0.0	8.5	12.7#
130	1.4	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
136	100		
137	9.1	9.2	13.8#
54	9.8	10.3	15.5#
68	5.7	4.5	6.7





#23

Nitrobenzene-d5

Concen: 114.257 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BG033464.D

Acq: 31 Mar 2018 1:09

Instrument :

BNA_G

ClientSampleId :

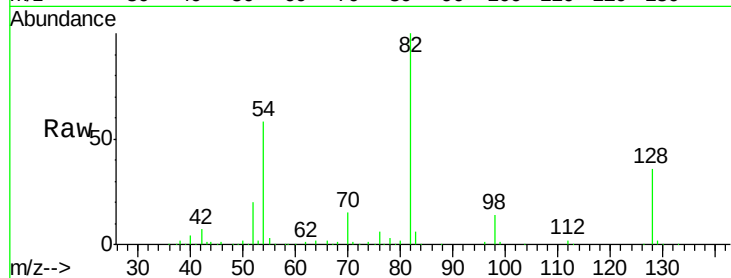
Tot Ion: 82 Resp: 332122

Ion Ratio Lower Upper

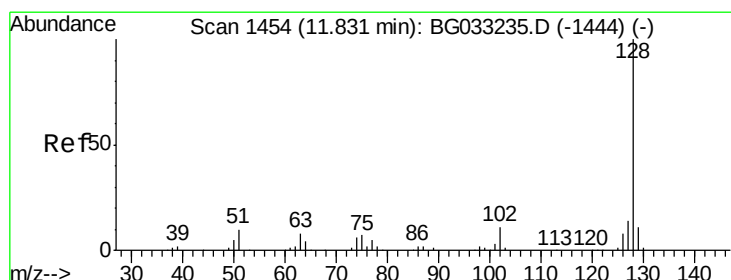
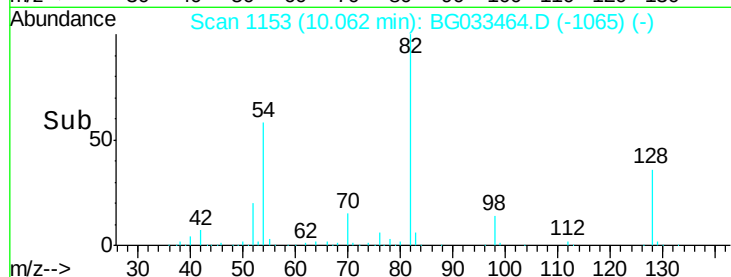
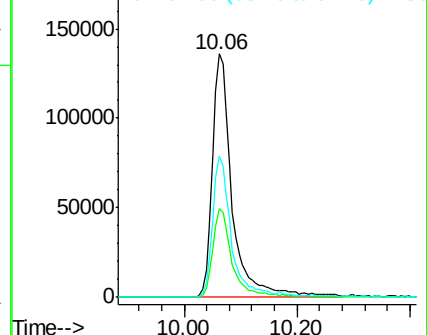
82 100

128 36.4 29.7 44.5

54 58.1 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: 7.501 ng

RT: 11.80 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BG033464.D

Acq: 31 Mar 2018 1:09

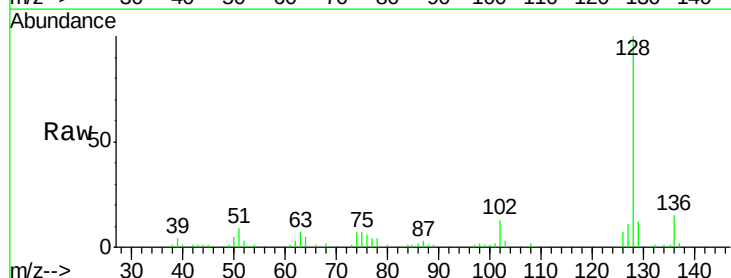
Tgt Ion: 128 Resp: 51908

Ion Ratio Lower Upper

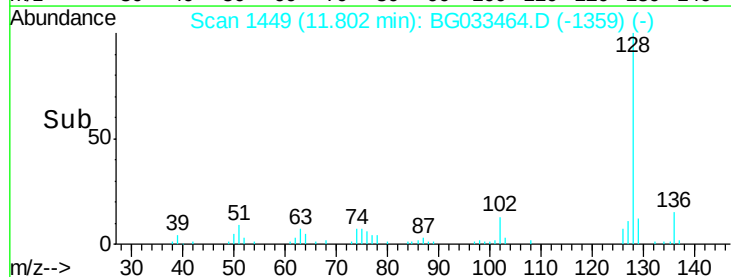
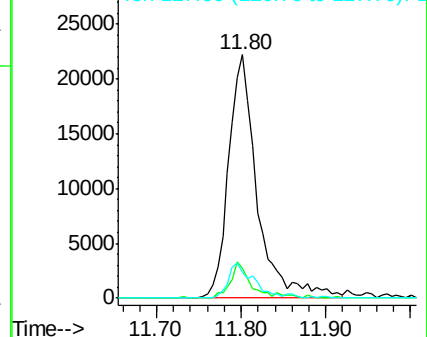
128 100

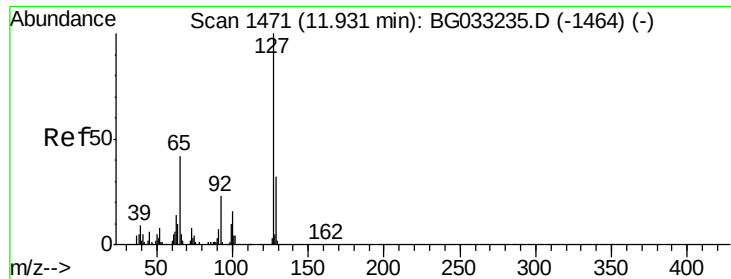
129 12.5 8.6 12.8

127 10.8 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

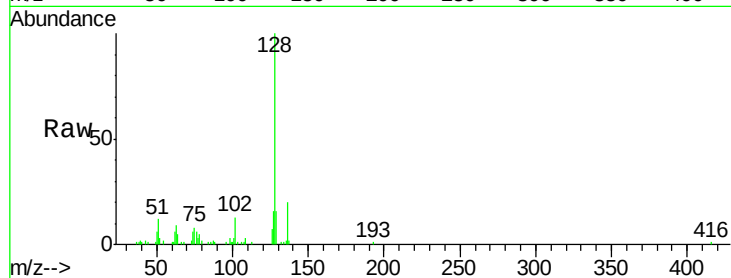




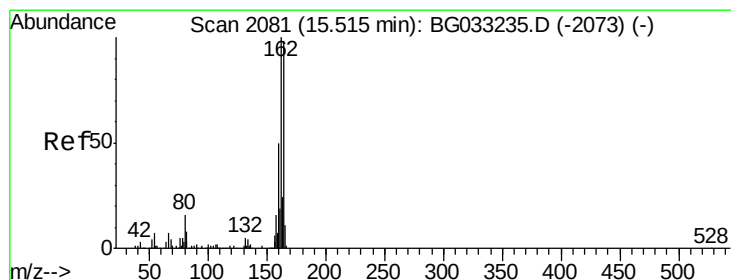
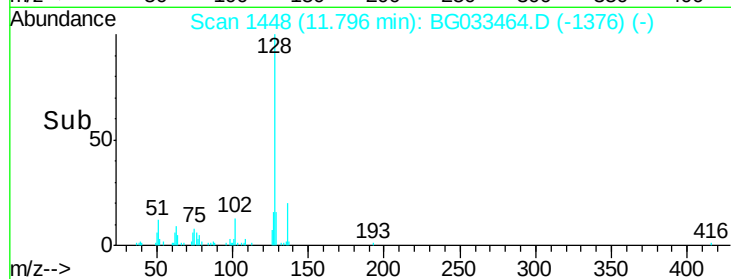
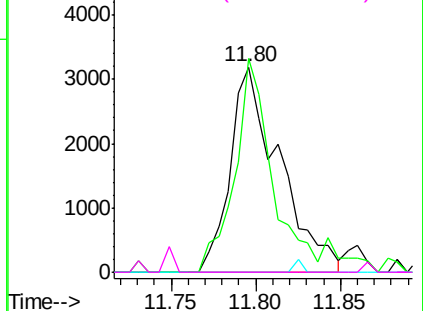
#33
4-Chloroaniline
Concen: 2.070 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.11 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
127	100		
129	104.0	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

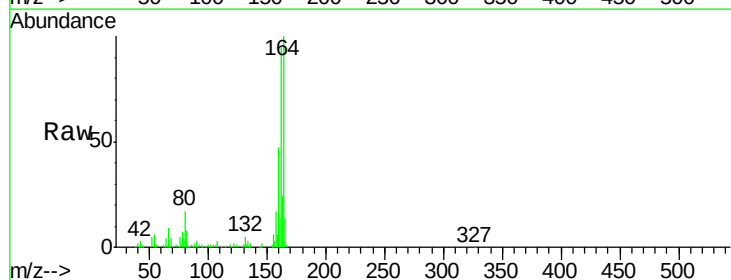


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

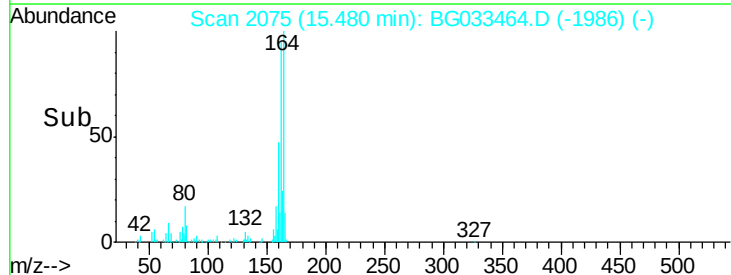
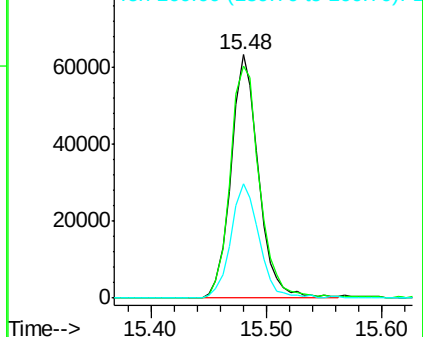


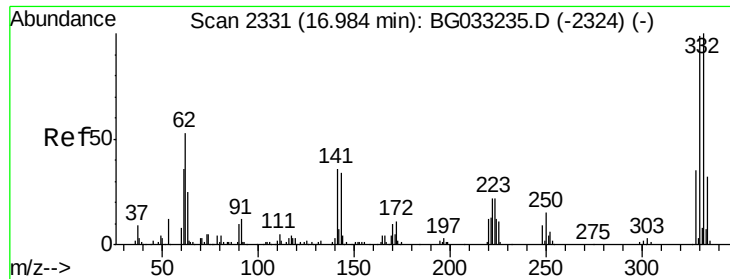
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	78.8	118.2
160	46.7	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

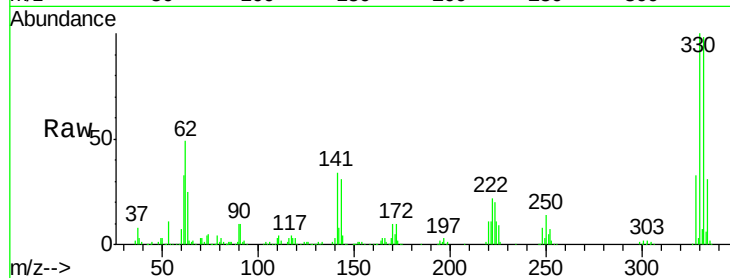




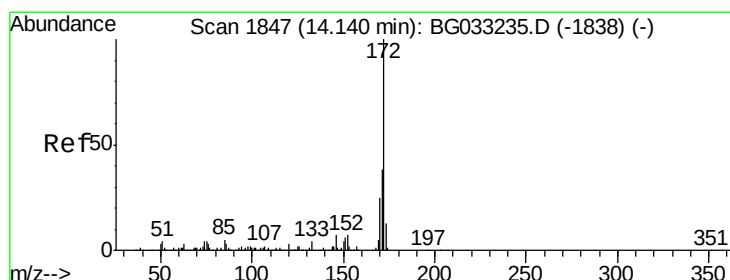
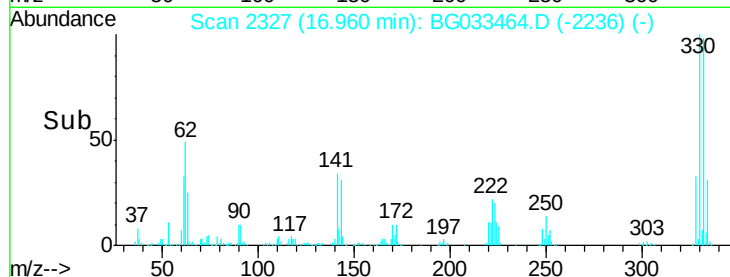
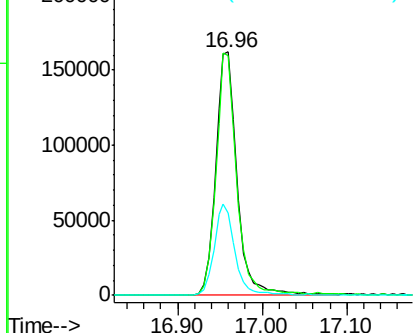
#41
 2,4,6-Tribromophenol
 Concen: 183.740 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: BG033464.D
 Acq: 31 Mar 2018 1:09

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	36.6	25.2	37.8

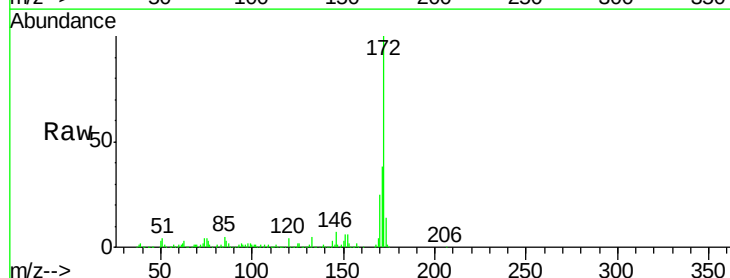


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

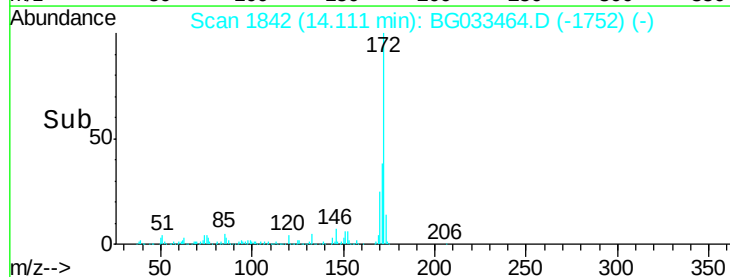
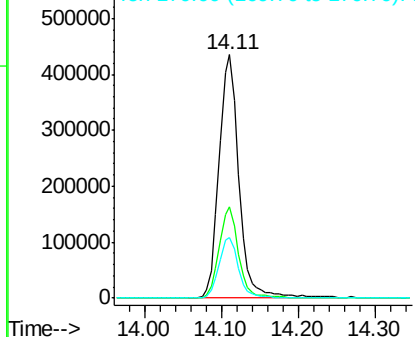


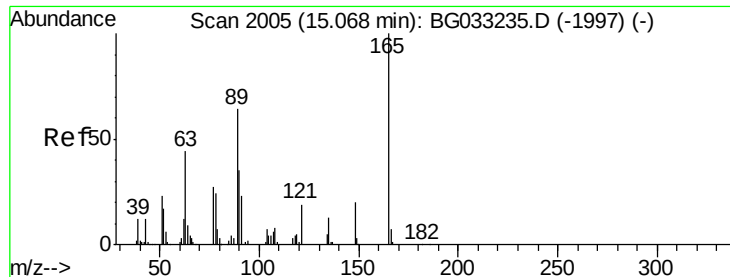
#44
 2-Fluorobiphenyl
 Concen: 107.064 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033464.D
 Acq: 31 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	24.6	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

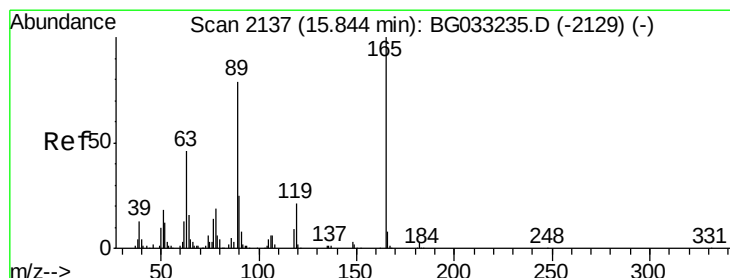
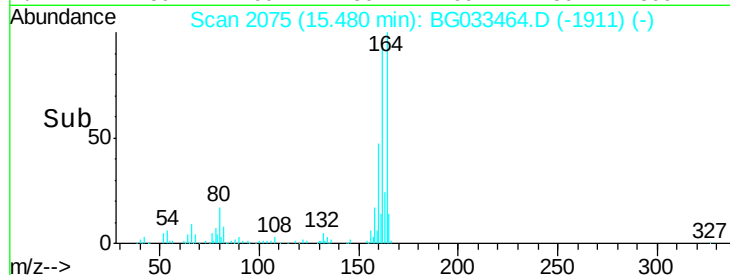
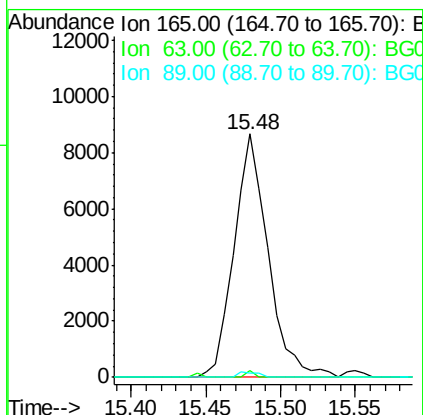
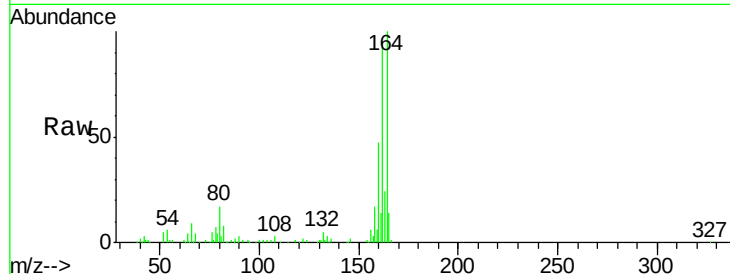




#50
2,6-Dinitrotoluene
Concen: 7.383 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.43 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

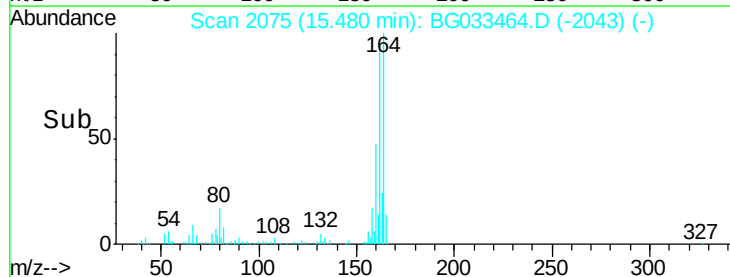
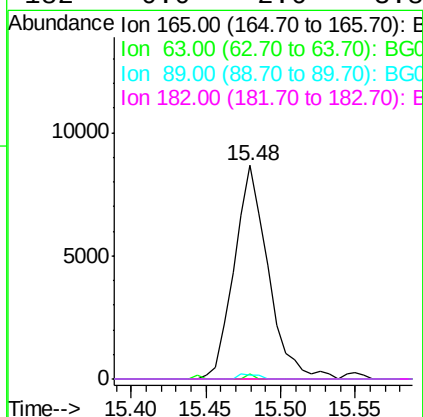
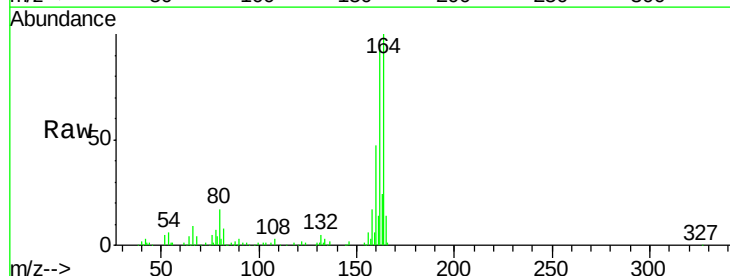
Instrument :
BNA_G
ClientSampleId :

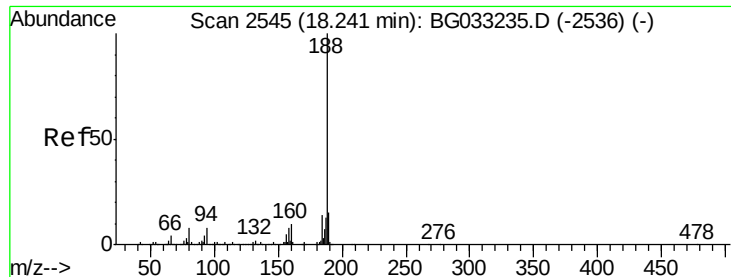
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	52.7	79.1#
89	1.8	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 5.014 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#

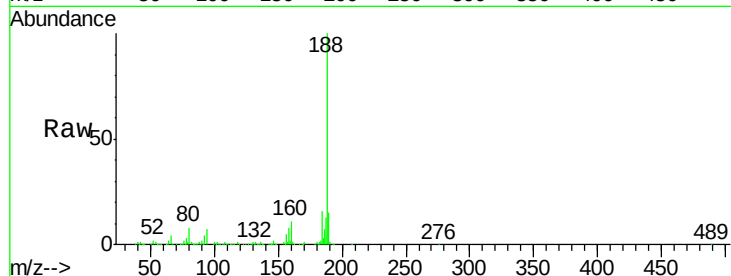




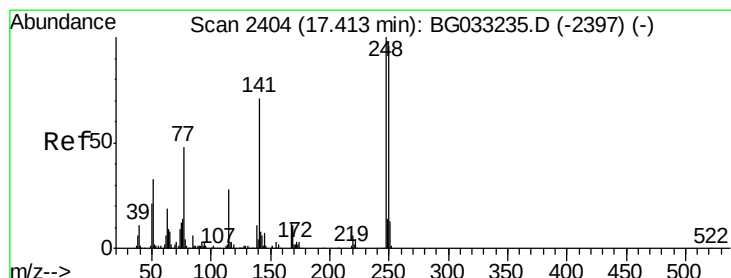
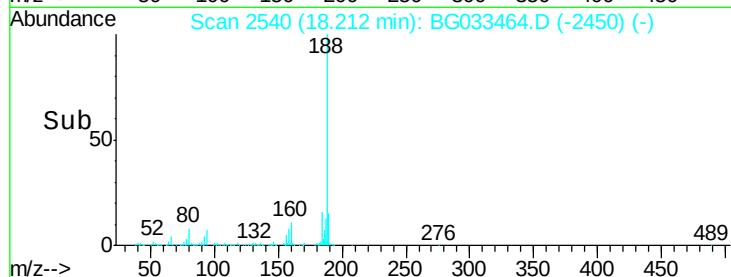
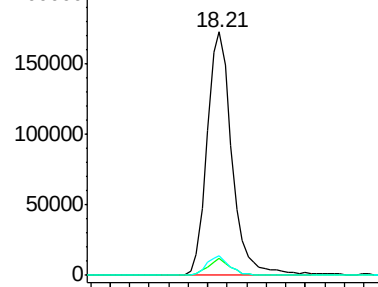
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	8.1	7.7	11.5

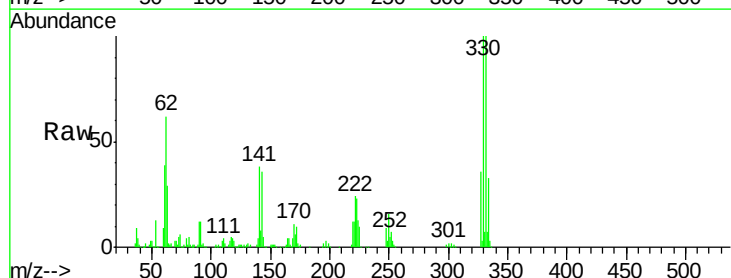


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

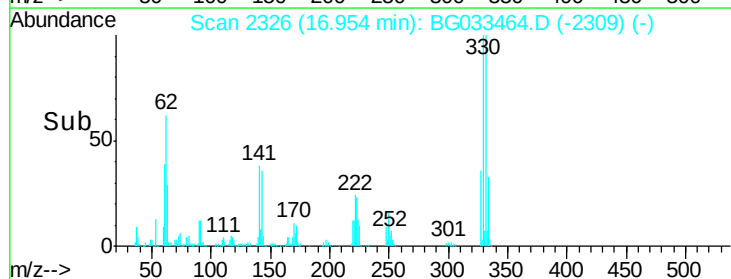
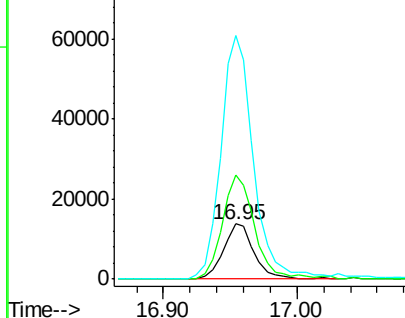


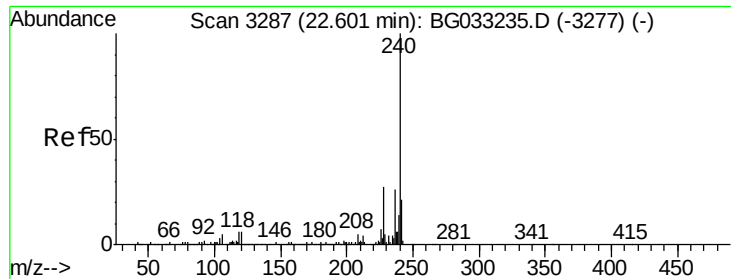
#66
4-Bromophenyl-phenylether
Concen: 6.237 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033464.D
Acq: 31 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	188.8	77.1	115.7#
141	439.8	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: BG033464.D

Acq: 31 Mar 2018 1:09

Instrument :

BNA_G

ClientSampleId :

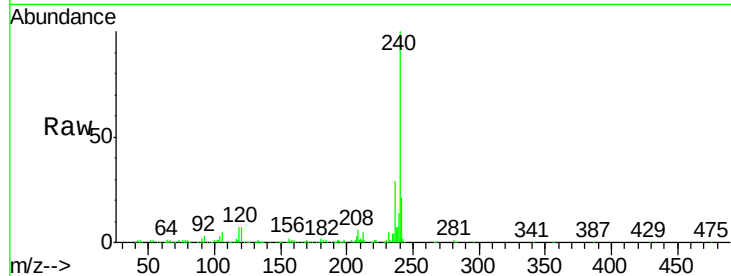
Tot Ion:240 Resp: 331431

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

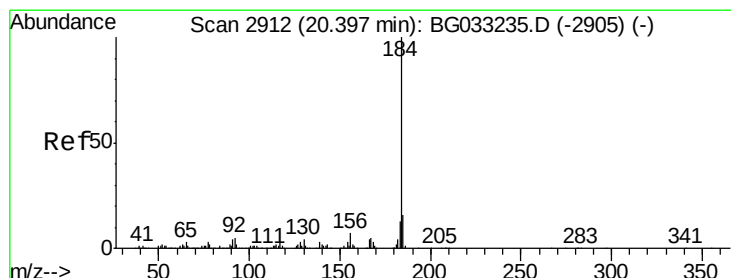
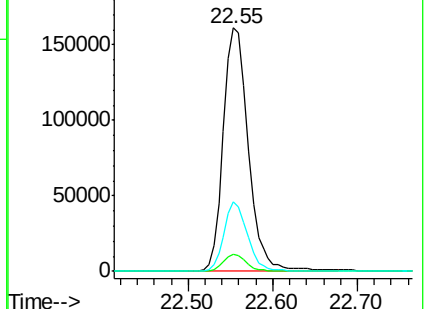
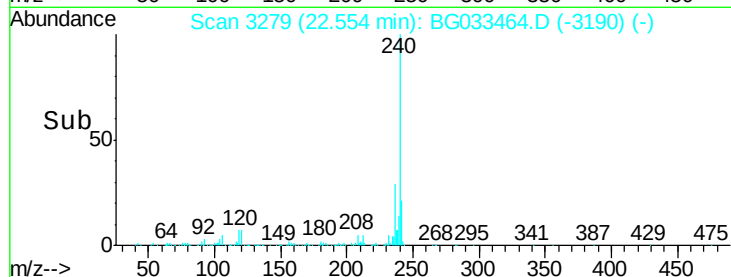
236 28.6 20.9 31.3



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: 3.318 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033464.D

Acq: 31 Mar 2018 1:09

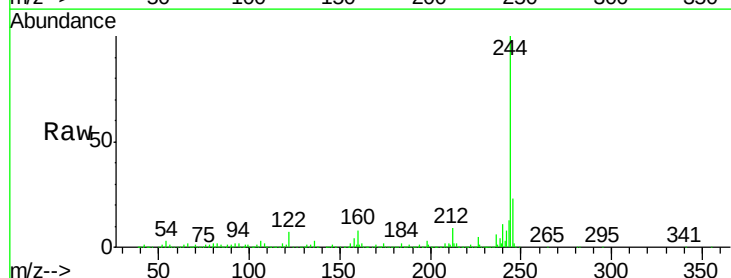
Tgt Ion:184 Resp: 29818

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

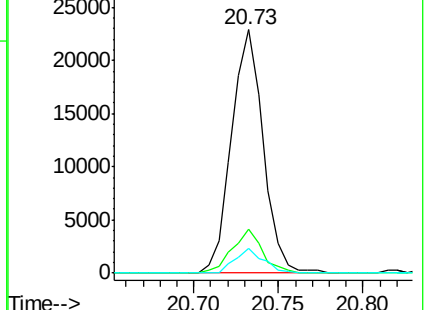
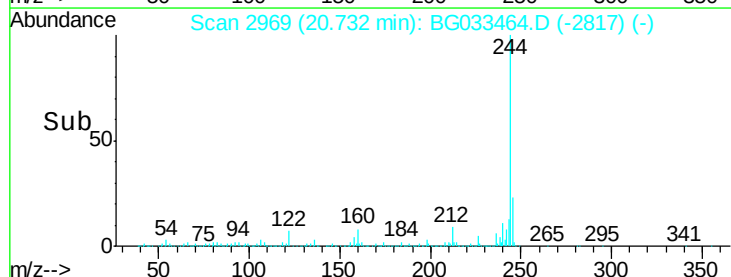
183 10.3 10.6 16.0#

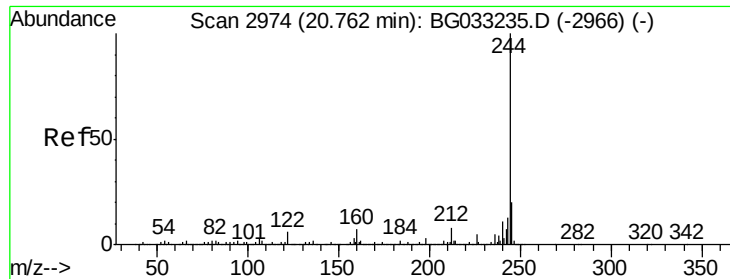


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 110.347 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033464.D

Acq: 31 Mar 2018 1:09

Instrument :

BNA_G

ClientSampleId :

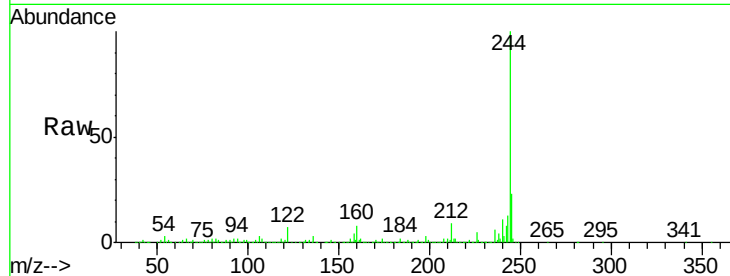
Tot Ion:244 Resp: 1710108

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

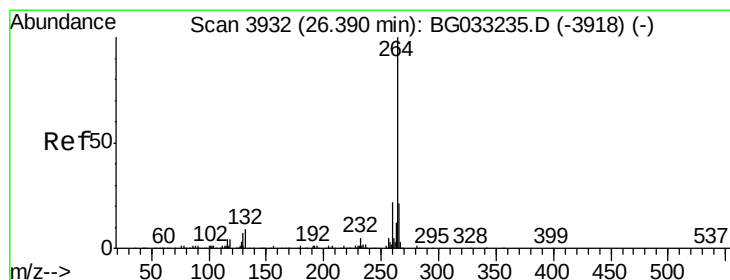
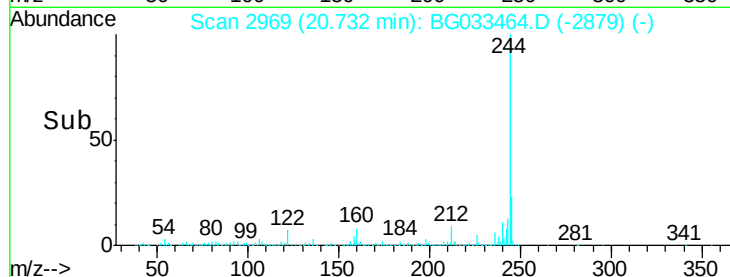
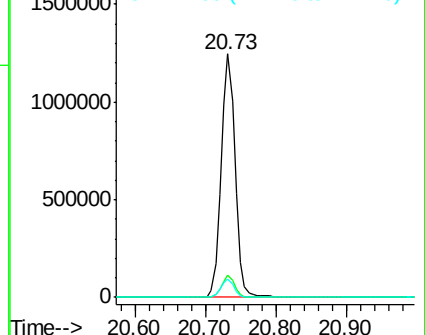
122 7.4 7.0 10.4



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: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033464.D

Acq: 31 Mar 2018 1:09

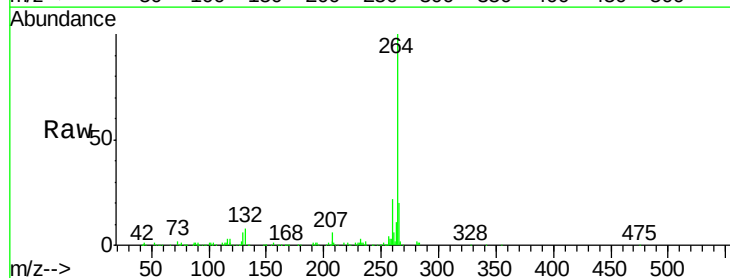
Tgt Ion:264 Resp: 347001

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.3 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

