

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033768.D
 Acq On : 12 Apr 2018 6:19
 Operator : SJ/JU
 Sample : J2321-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 08:09:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

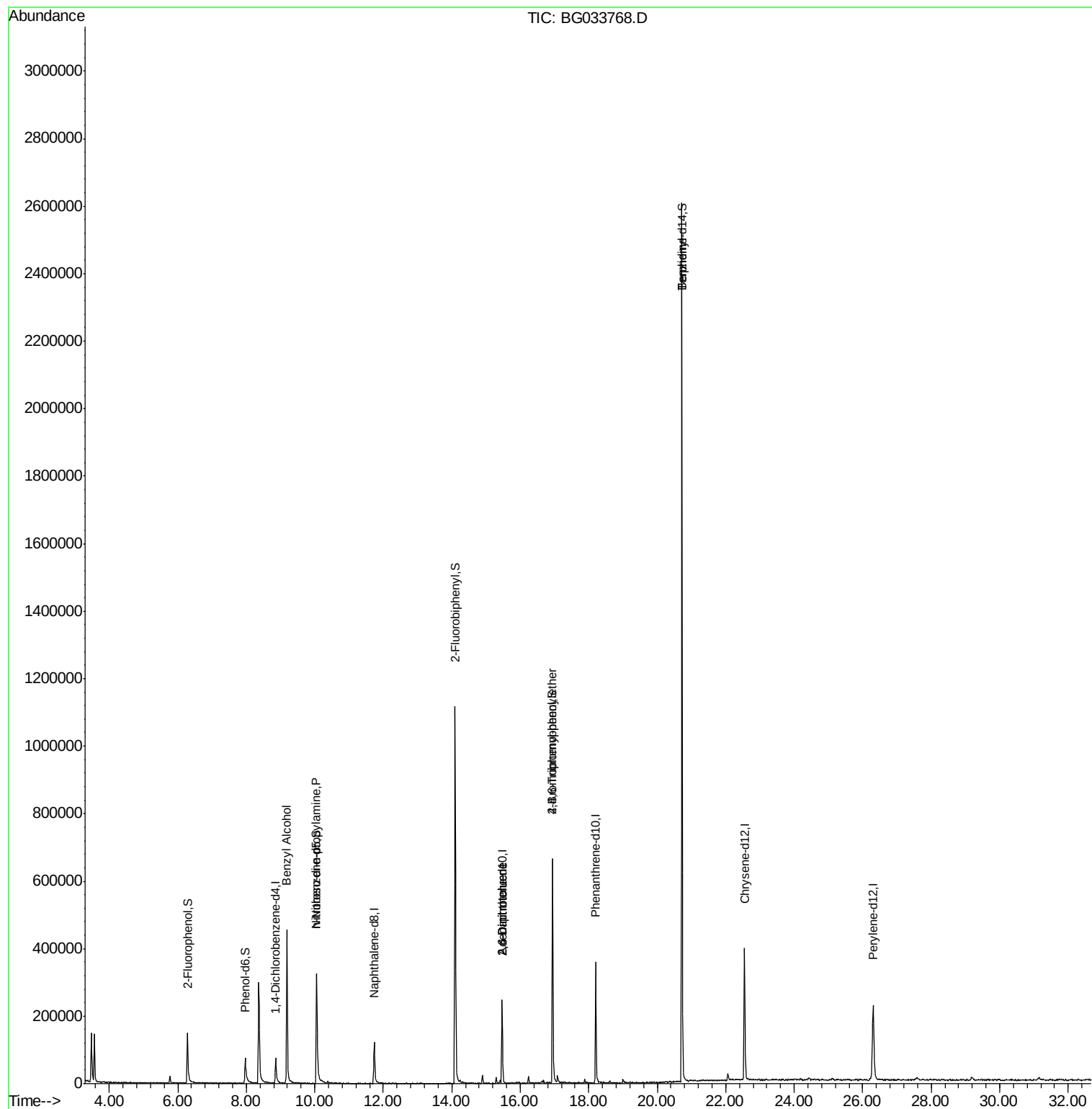
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	28636	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	124410	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	92750	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	256365	20.00	ng	0.00
75) Chrysene-d12	22.55	240	278676	20.00	ng	0.00
86) Perylene-d12	26.31	264	293782	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	75859	49.67	ng	0.00
7) Phenol-d6	7.97	99	64605	24.62	ng	0.00
23) Nitrobenzene-d5	10.06	82	269804	99.64	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	128970	92.97	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	632049	98.38	ng	0.00
78) Terphenyl-d14	20.72	244	1320338	101.32	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4498	2.177	ng	# 37
19) n-Nitroso-di-n-propylamine	10.05	70	37472	19.489	ng	# 80
50) 2,6-Dinitrotoluene	15.47	165	11369	6.888	ng	# 18
56) 2,4-Dinitrotoluene	15.47	165	11369	4.678	ng	# 16
66) 4-Bromophenyl-phenylether	16.94	248	10997	3.653	ng	# 1
76) Benzidine	20.72	184	22570	2.987	ng	# 94

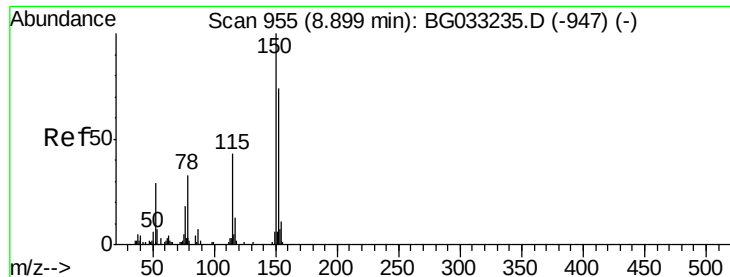
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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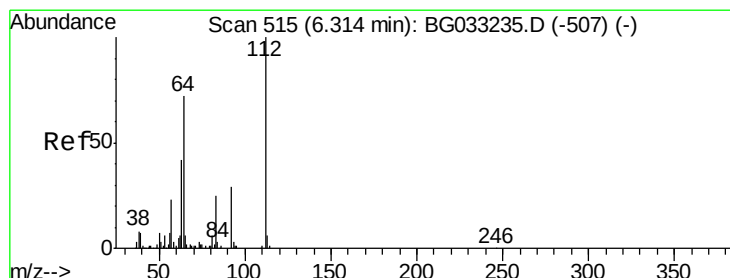
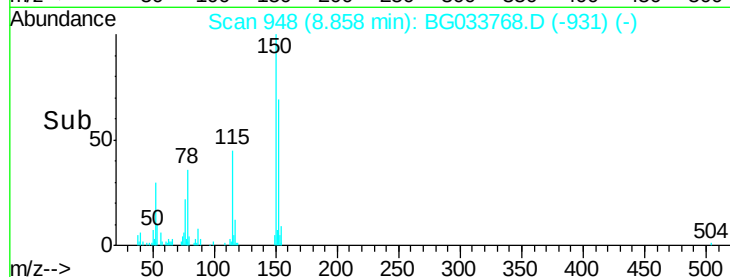
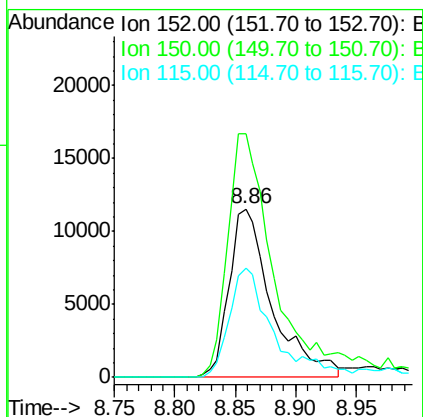
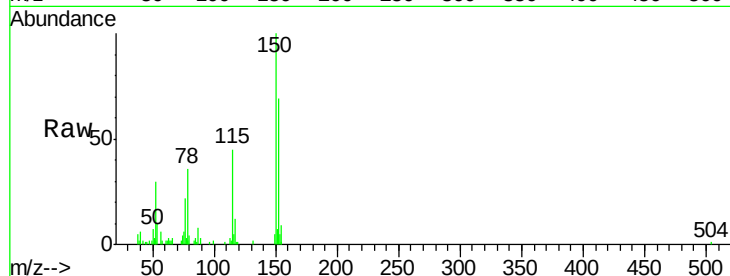


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033768.D
Acq: 12 Apr 2018 6:19

Instrument :
BNA_G
ClientSampleId :

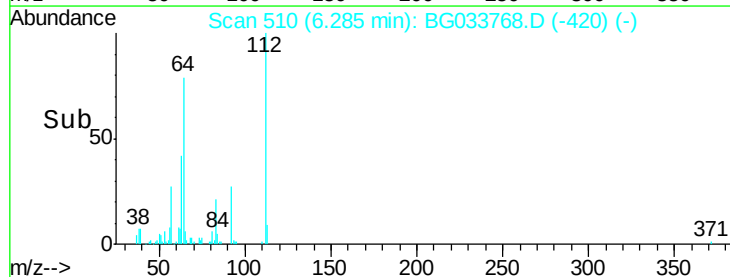
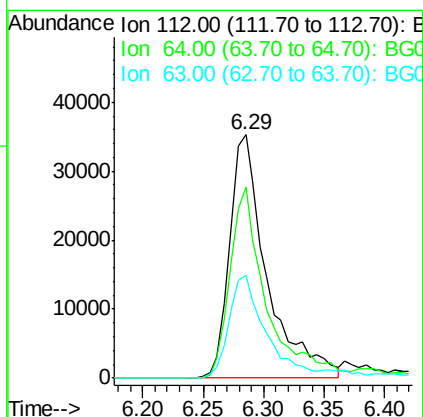
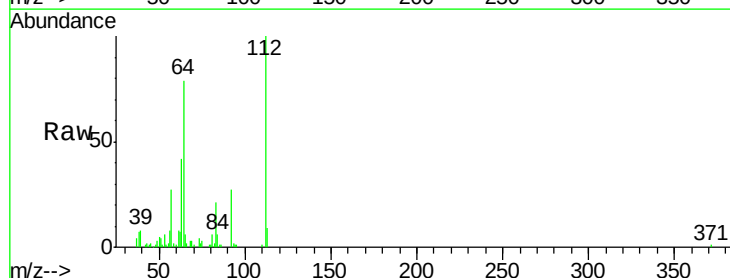
Tot Ion:152 Resp: 28636
Ion Ratio Lower Upper
152 100
150 144.4 126.6 189.8
115 64.9 53.0 79.4

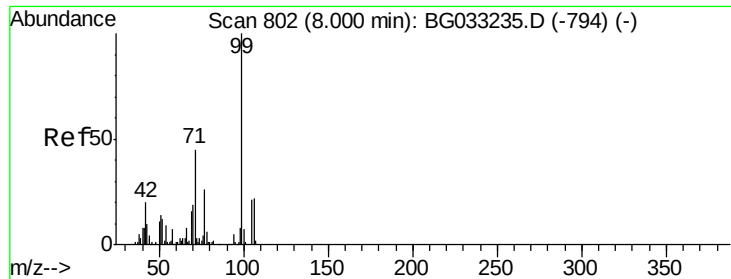


#5

2-Fluorophenol
Concen: 49.673 ng
RT: 6.29 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033768.D
Acq: 12 Apr 2018 6:19

Tgt Ion:112 Resp: 75859
Ion Ratio Lower Upper
112 100
64 78.6 56.3 84.5
63 42.2 30.1 45.1





#7

Phenol-d6

Concen: 24.621 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033768.D

Acq: 12 Apr 2018 6:19

Instrument :

BNA_G

ClientSampleId :

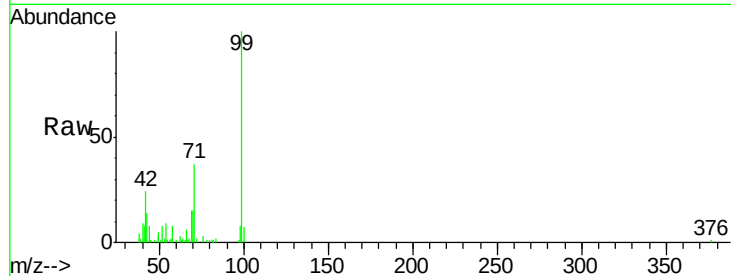
Tot Ion: 99 Resp: 64605

Ion Ratio Lower Upper

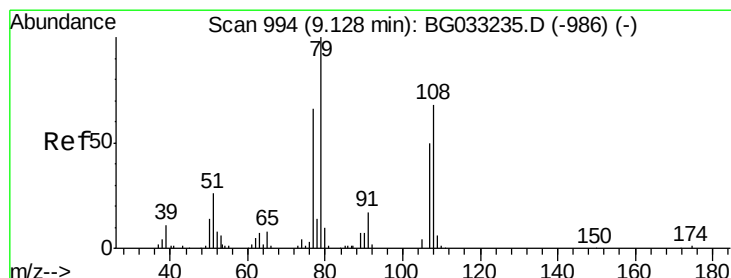
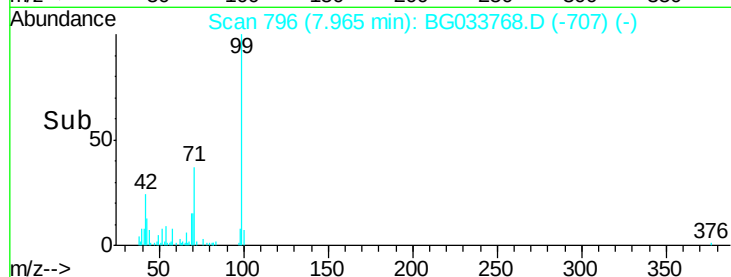
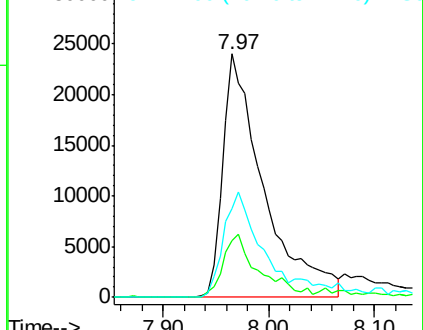
99 100

42 23.5 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: 2.177 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.10 min

Lab File: BG033768.D

Acq: 12 Apr 2018 6:19

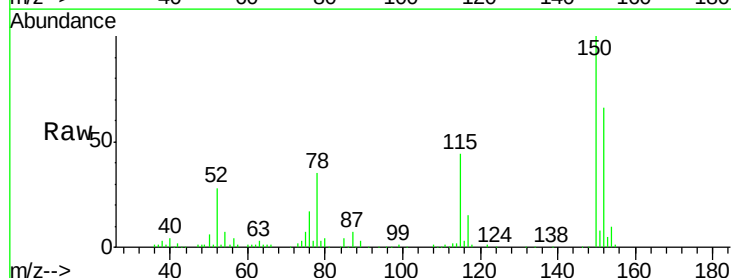
Tgt Ion: 79 Resp: 4498

Ion Ratio Lower Upper

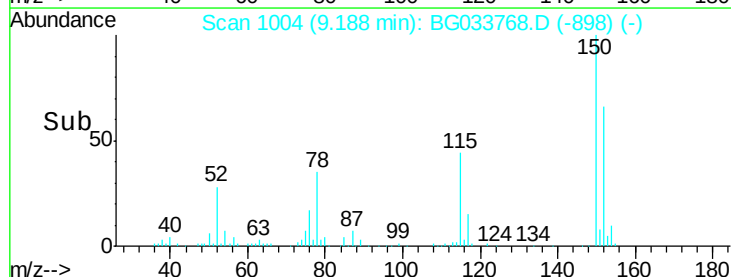
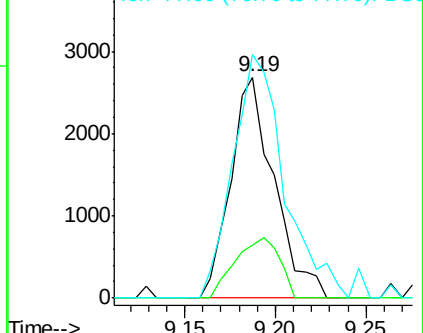
79 100

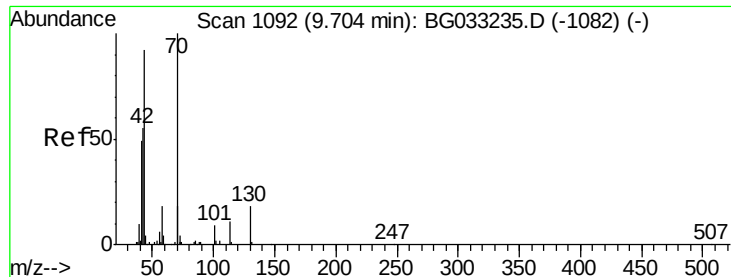
108 24.1 57.2 85.8#

77 110.2 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

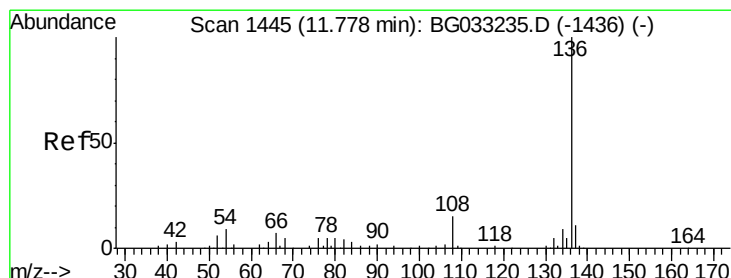
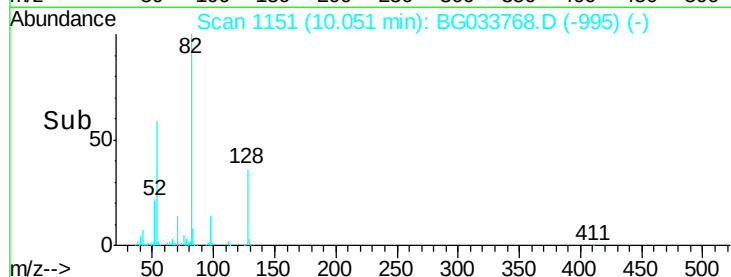
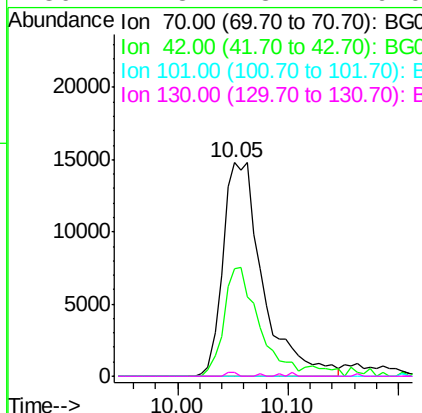
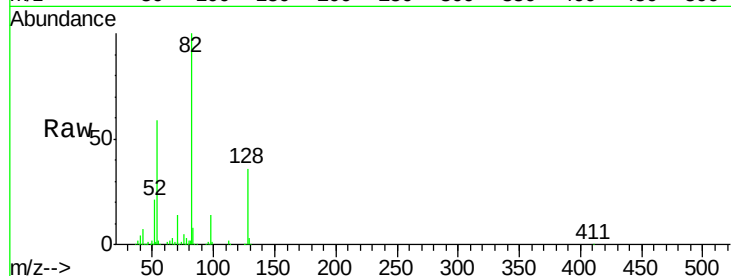




#19
n-Nitroso-di-n-propylamine
Concen: 19.489 ng
RT: 10.05 min Scan# 1151
Delta R.T. 0.39 min
Lab File: BG033768.D
Acq: 12 Apr 2018 6:19

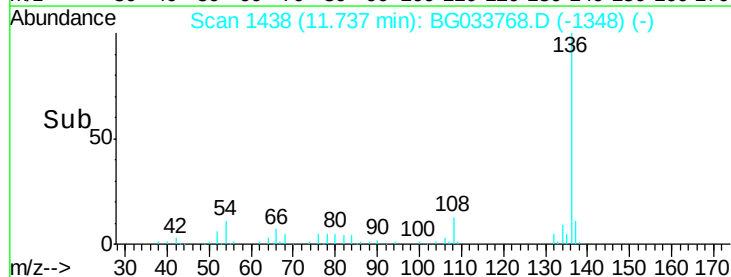
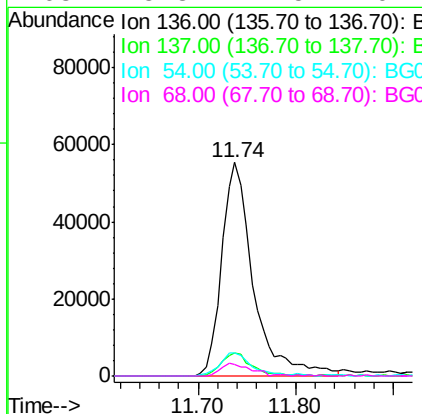
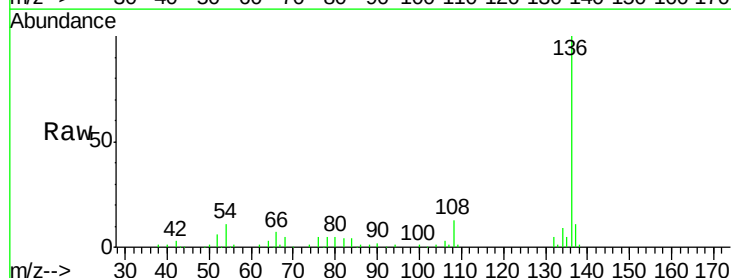
Instrument :
BNA_G
ClientSampleId :

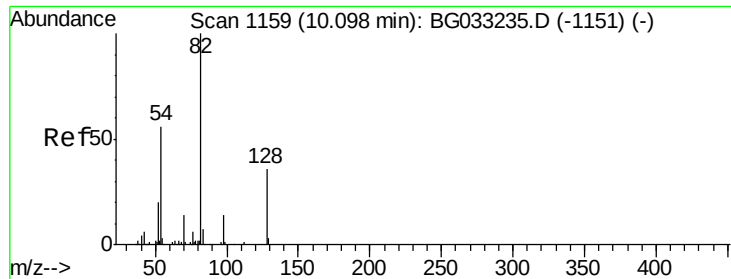
Tot Ion: 70 Resp: 37472
Ion Ratio Lower Upper
70 100
42 50.5 49.1 73.7
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033768.D
Acq: 12 Apr 2018 6:19

Tgt Ion: 136 Resp: 124410
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 10.5 10.3 15.5
68 5.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 99.637 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BG033768.D

Acq: 12 Apr 2018 6:19

Instrument :

BNA_G

ClientSampled :

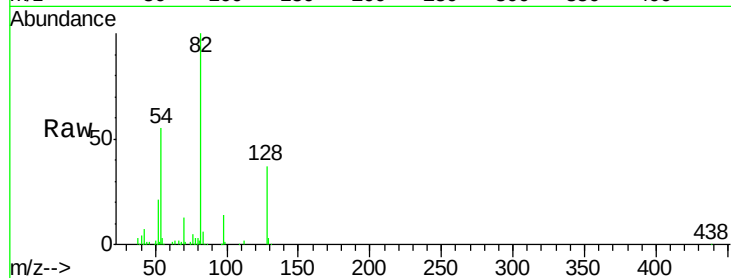
Tot Ion: 82 Resp: 269804

Ion Ratio Lower Upper

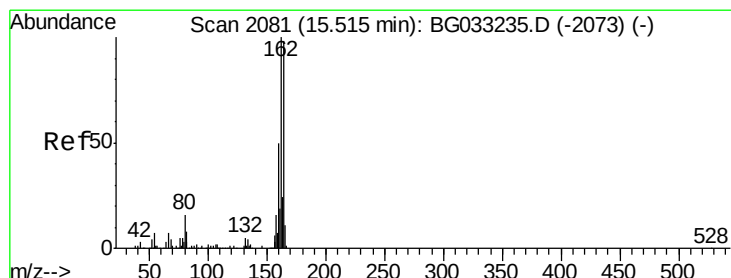
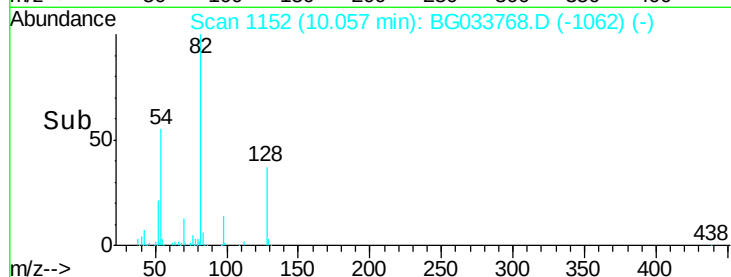
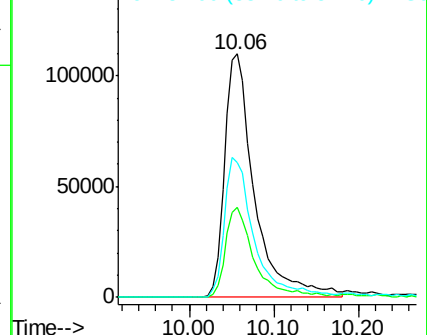
82 100

128 36.9 29.7 44.5

54 55.5 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: 15.47 min Scan# 2073

Delta R.T. -0.00 min

Lab File: BG033768.D

Acq: 12 Apr 2018 6:19

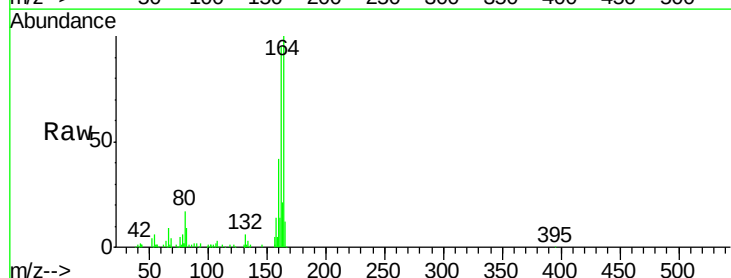
Tgt Ion: 164 Resp: 92750

Ion Ratio Lower Upper

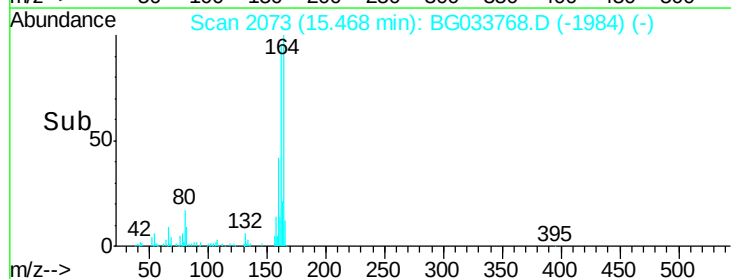
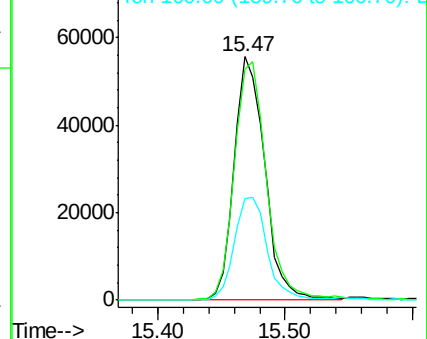
164 100

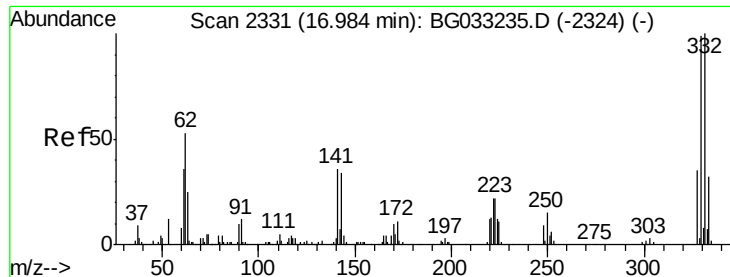
162 94.9 78.8 118.2

160 42.0 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

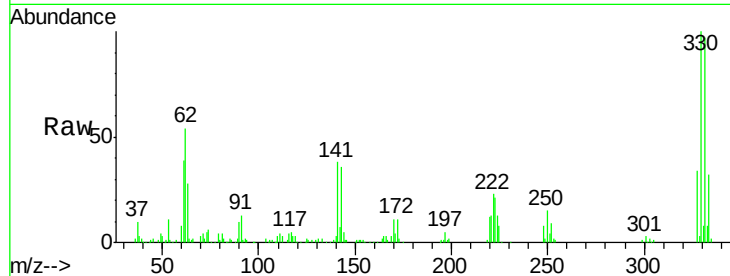




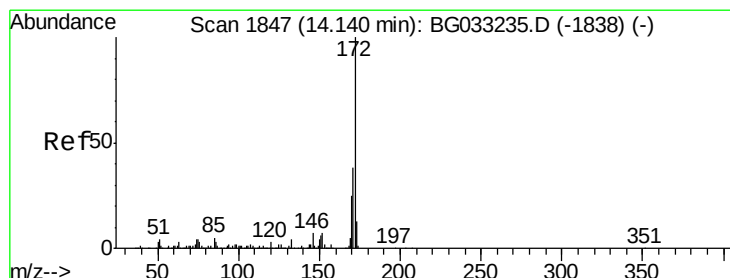
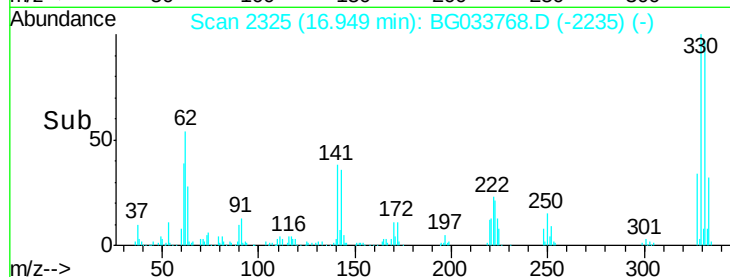
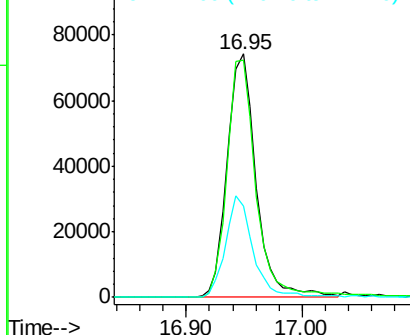
#41
 2,4,6-Tribromophenol
 Concen: 92.973 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033768.D
 Acq: 12 Apr 2018 6:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.0	115.6
141	40.0	25.2	37.8#

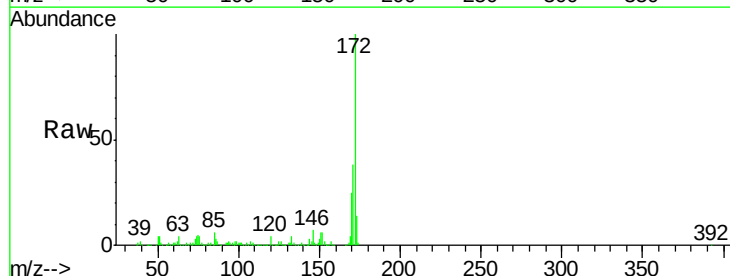


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

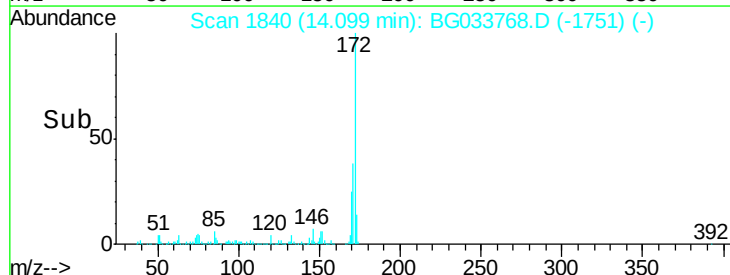
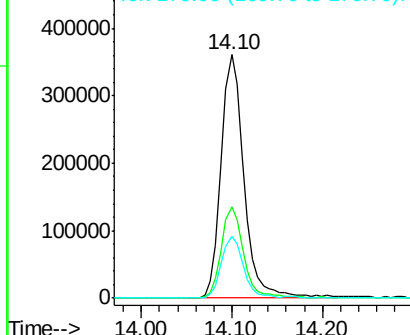


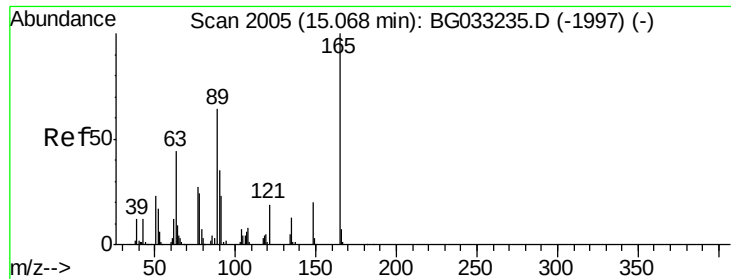
#44
 2-Fluorobiphenyl
 Concen: 98.377 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033768.D
 Acq: 12 Apr 2018 6:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	25.3	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

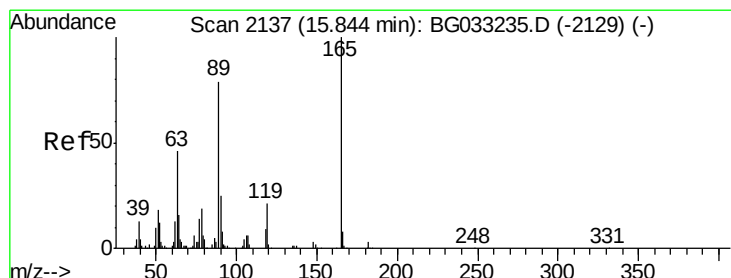
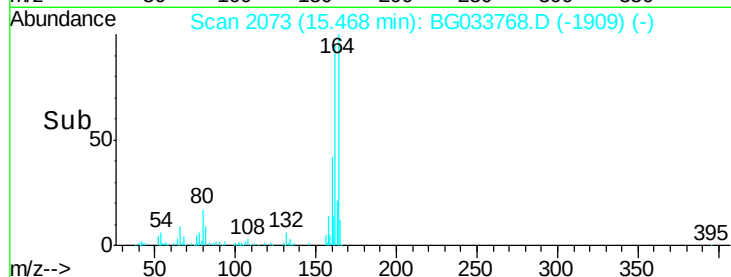
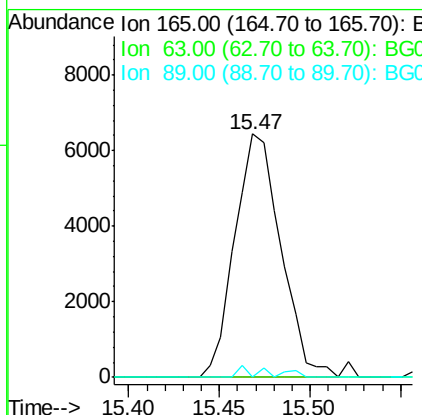
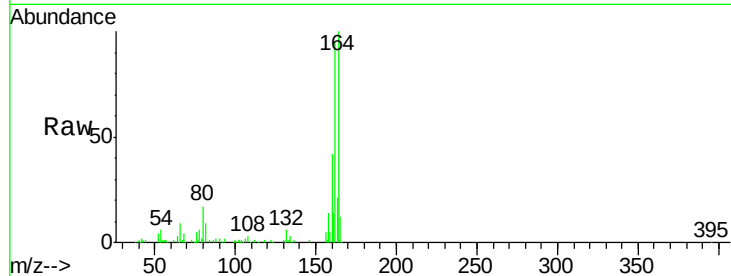




#50
 2,6-Dinitrotoluene
 Concen: 6.888 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.44 min
 Lab File: BG033768.D
 Acq: 12 Apr 2018 6:19

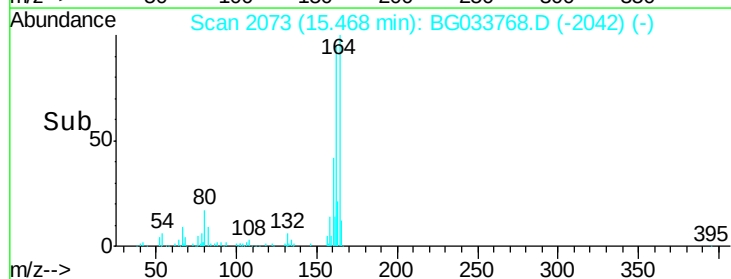
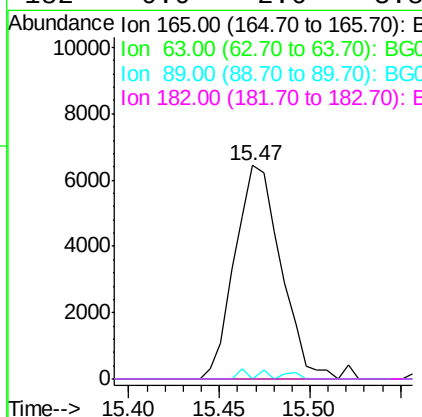
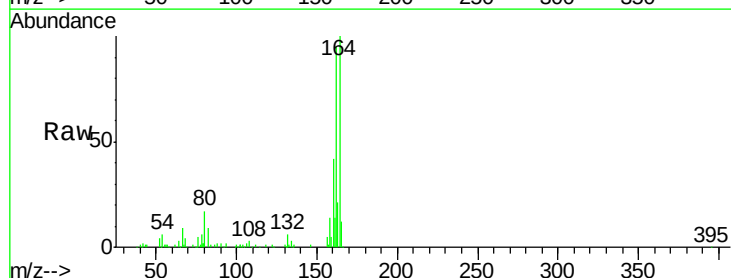
Instrument :
 BNA_G
 ClientSampleId :

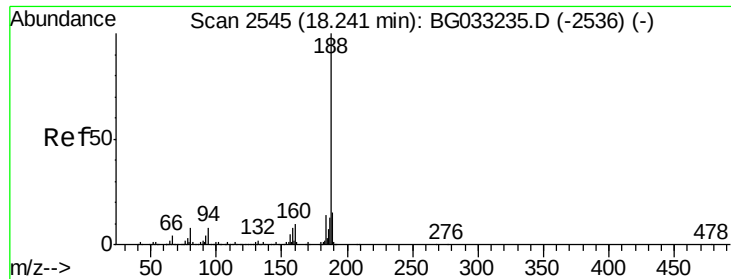
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.678 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.35 min
 Lab File: BG033768.D
 Acq: 12 Apr 2018 6:19

Tgt 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#

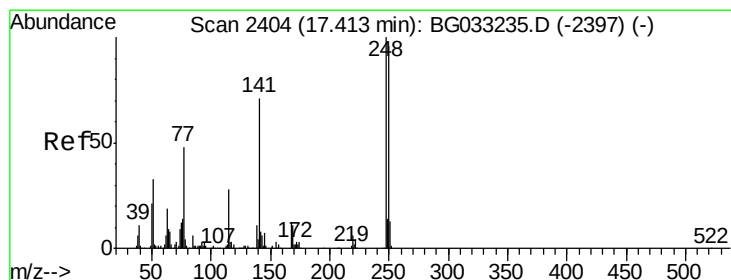
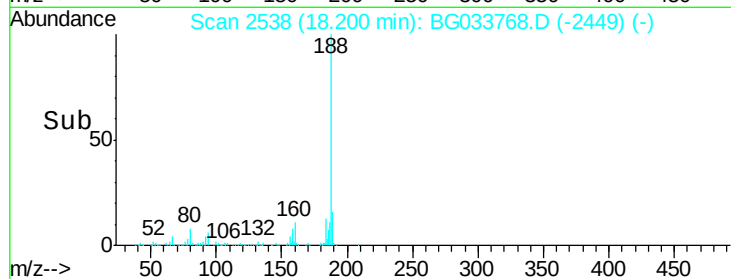
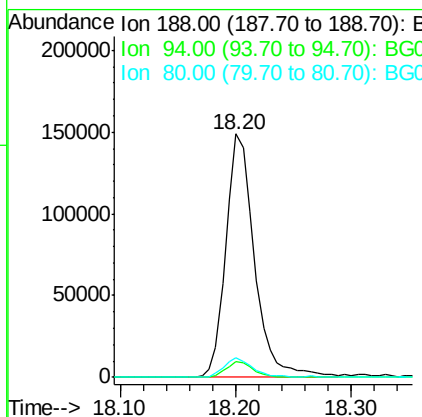
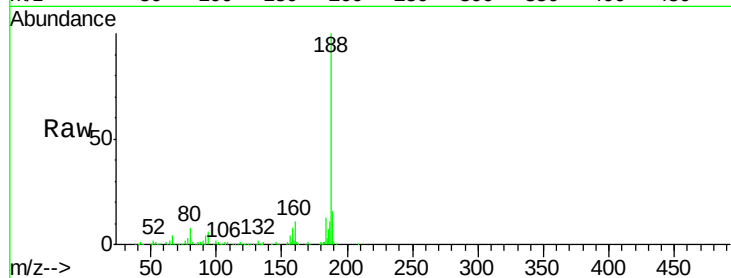




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BG033768.D
Acq: 12 Apr 2018 6:19

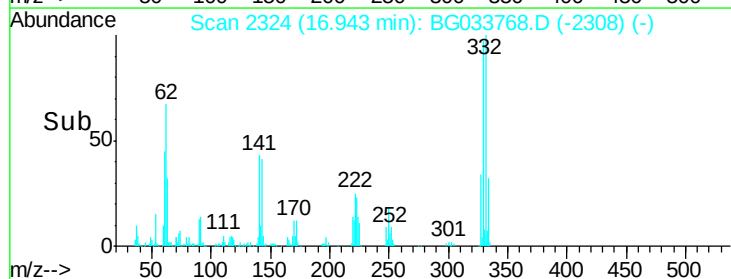
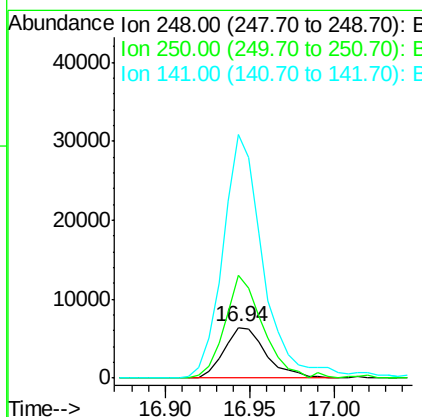
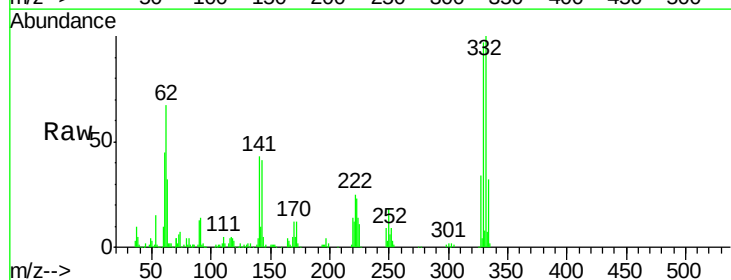
Instrument :
BNA_G
ClientSampleId :

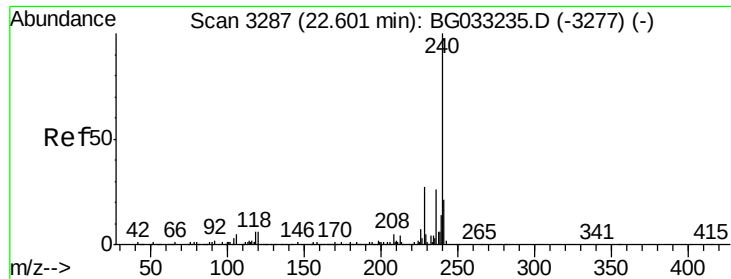
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.3	6.9	10.3#
80	8.0	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 3.653 ng
RT: 16.94 min Scan# 2324
Delta R.T. -0.43 min
Lab File: BG033768.D
Acq: 12 Apr 2018 6:19

Tgt Ion	Ratio	Lower	Upper
248	100		
250	153.3	77.1	115.7#
141	361.9	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033768.D

Acq: 12 Apr 2018 6:19

Instrument :

BNA_G

ClientSampleId :

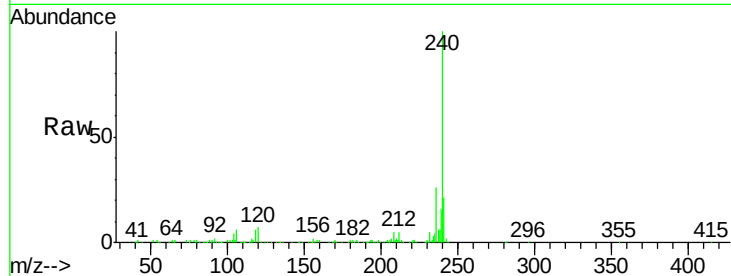
Tot Ion:240 Resp: 278676

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

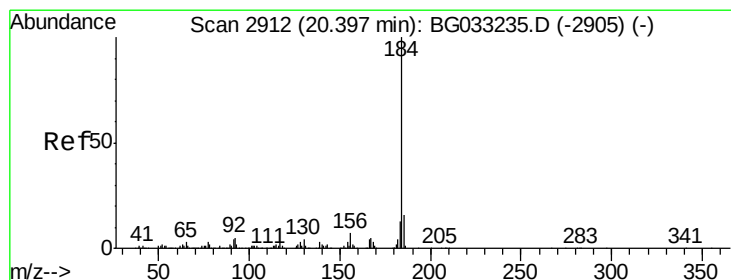
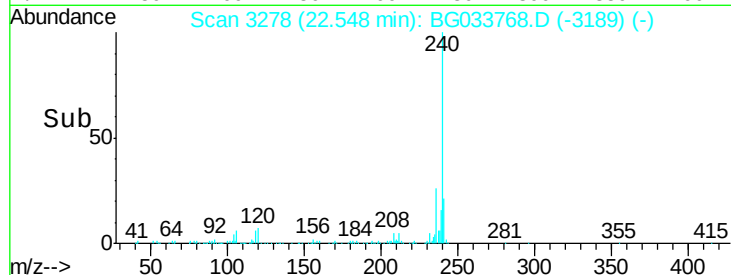
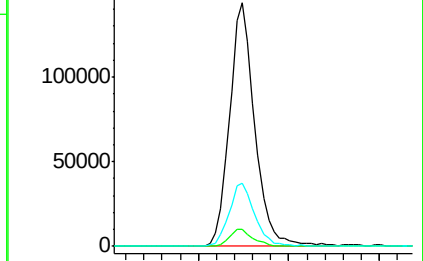
236 26.2 20.9 31.3



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: 2.987 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033768.D

Acq: 12 Apr 2018 6:19

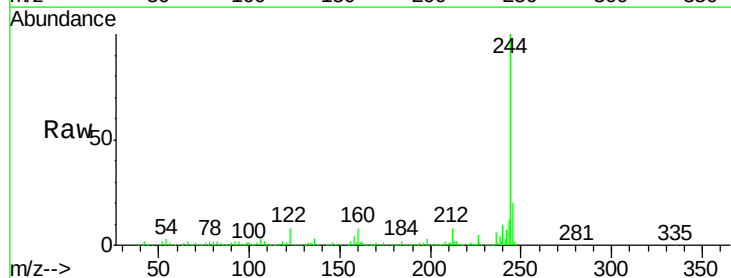
Tgt Ion:184 Resp: 22570

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

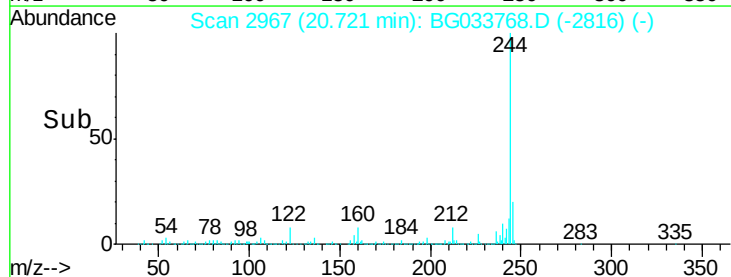
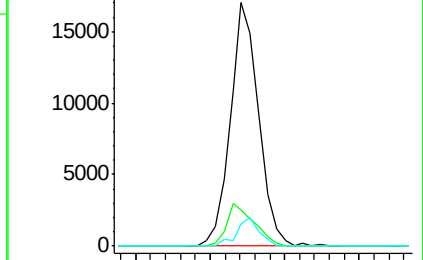
183 9.3 10.6 16.0#

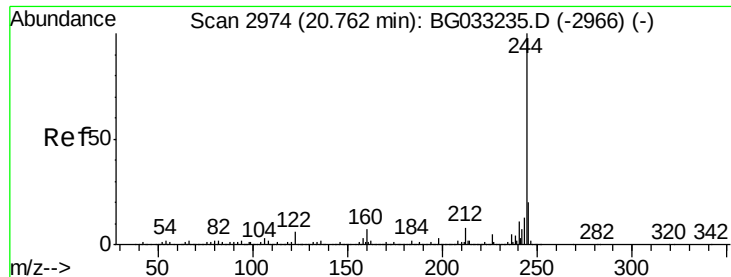


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

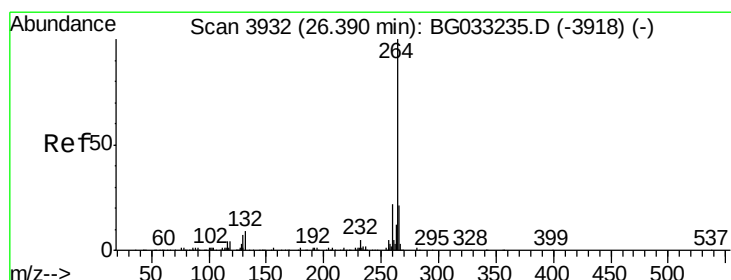
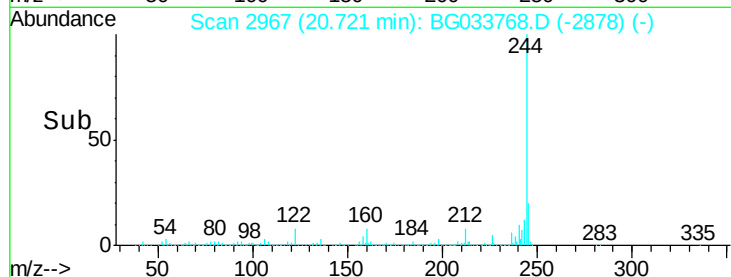
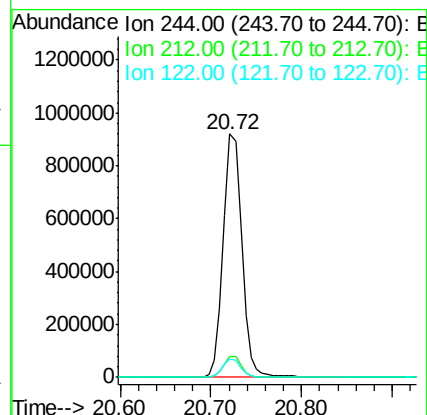
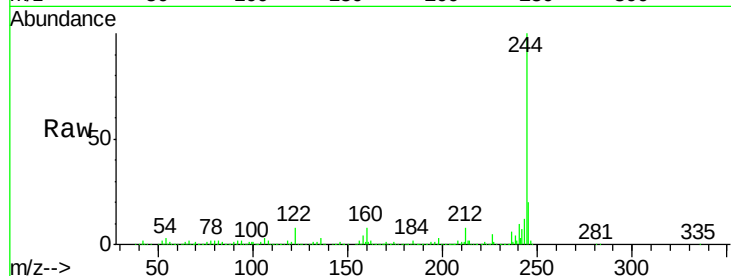




#78
 Terphenyl-d14
 Concen: 101.325 ng
 RT: 20.72 min Scan# 2967
 Delta R.T. -0.00 min
 Lab File: BG033768.D
 Acq: 12 Apr 2018 6:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1320338
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.8 8.8
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: BG033768.D
 Acq: 12 Apr 2018 6:19

Tgt Ion:264 Resp: 293782
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.4 26.0
 265 22.1 17.7 26.5

