

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\
 Data File : BG033790.D
 Acq On : 13 Apr 2018 2:13
 Operator : SJ/JU
 Sample : PB108178BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 13 03:41:57 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

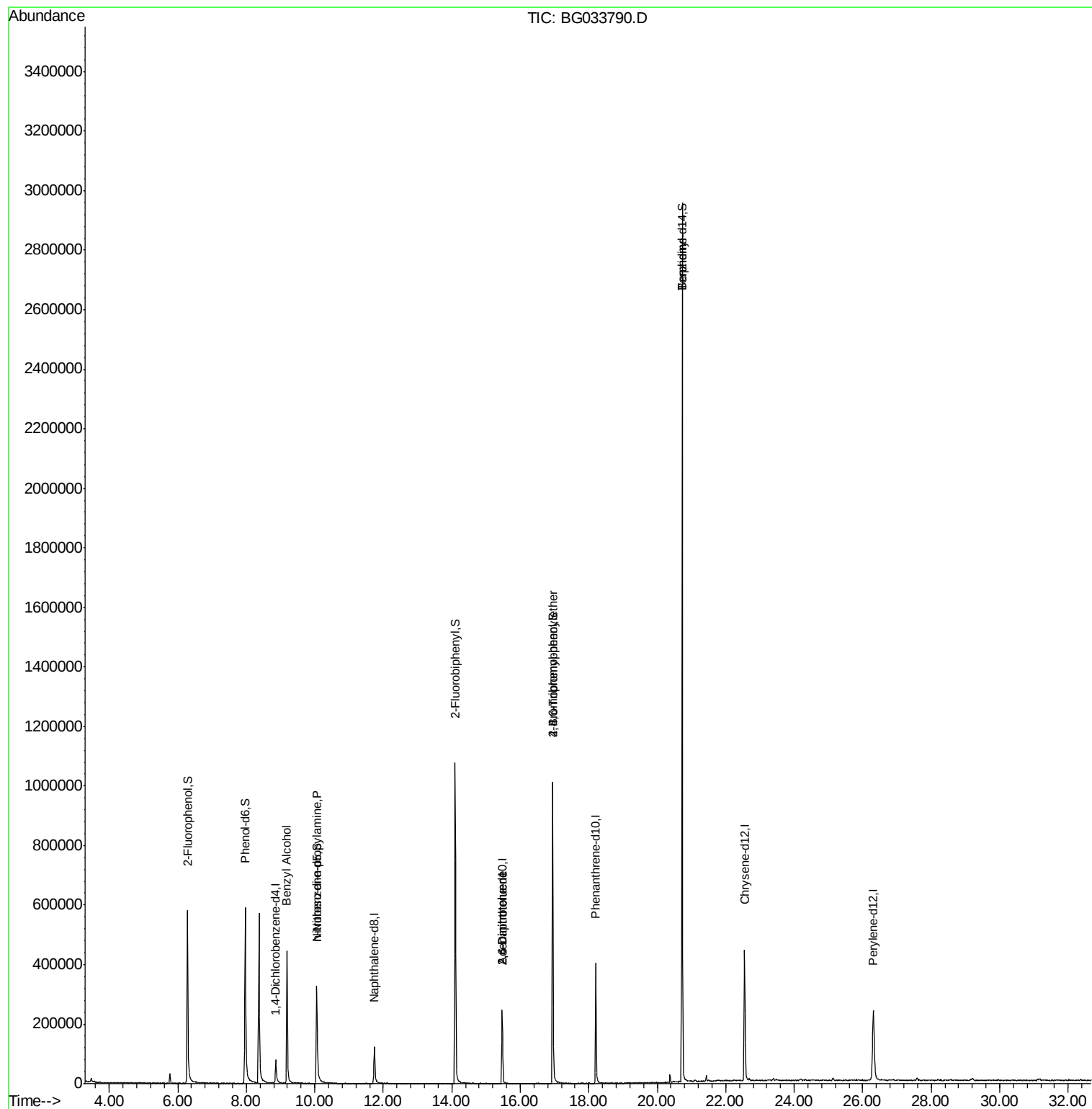
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	29782	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	126410	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	97019	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	297909	20.00	ng	0.00
75) Chrysene-d12	22.55	240	325017	20.00	ng	0.00
86) Perylene-d12	26.31	264	337281	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	282915	178.13	ng	0.00
7) Phenol-d6	7.96	99	421771	154.55	ng	0.00
23) Nitrobenzene-d5	10.06	82	263965	95.94	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	199507	137.49	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	633135	94.21	ng	0.00
78) Terphenyl-d14	20.73	244	1448831	95.33	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4946	2.302	ng	# 39
19) n-Nitroso-di-n-propylamine	10.06	70	33759	16.882	ng	# 79
50) 2,6-Dinitrotoluene	15.47	165	11349	6.574	ng	# 18
56) 2,4-Dinitrotoluene	15.47	165	11349	4.465	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	14232	4.068	ng	# 1
76) Benzidine	20.73	184	23407	2.656	ng	# 95

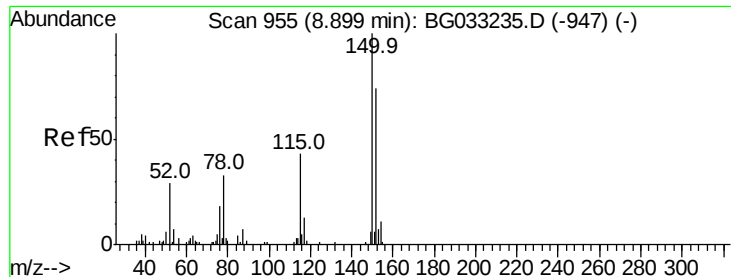
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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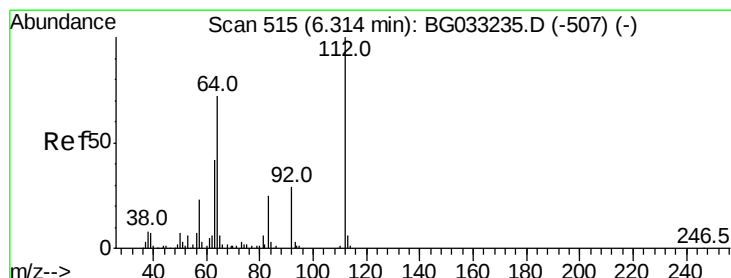
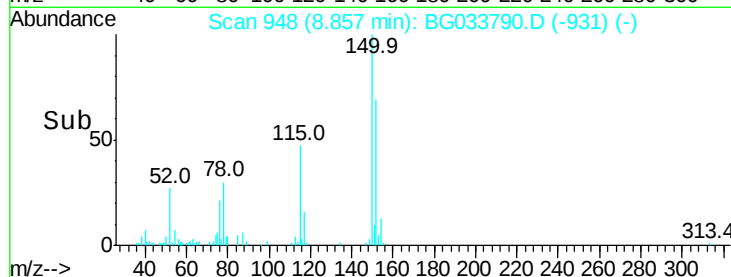
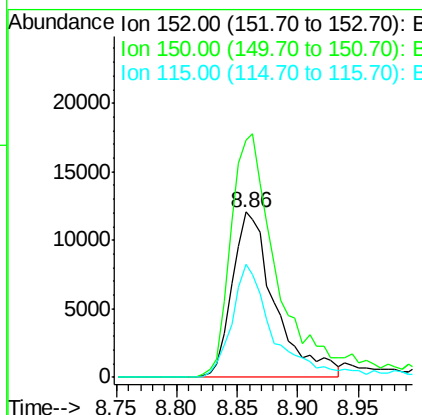
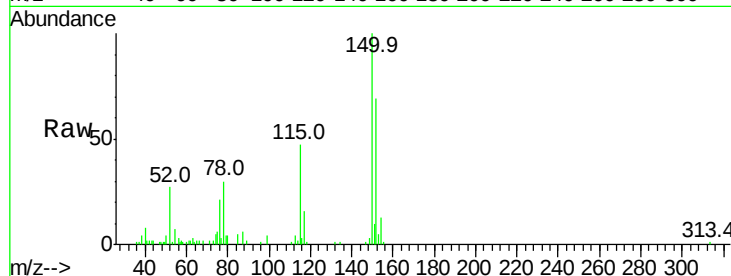


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.00 min
Lab File: BG033790.D
Acq: 13 Apr 2018 2:13

Instrument :
BNA_G
ClientSampleId :

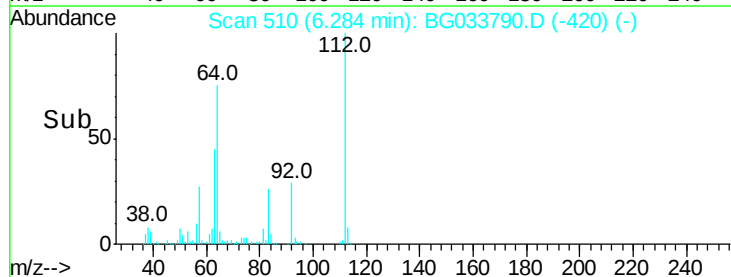
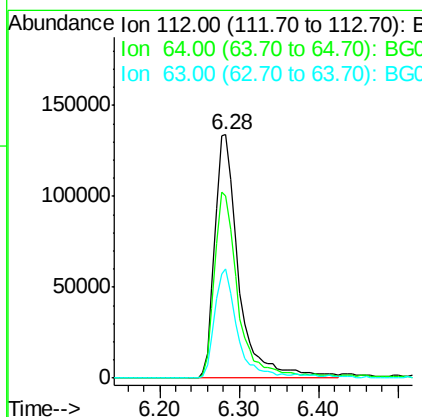
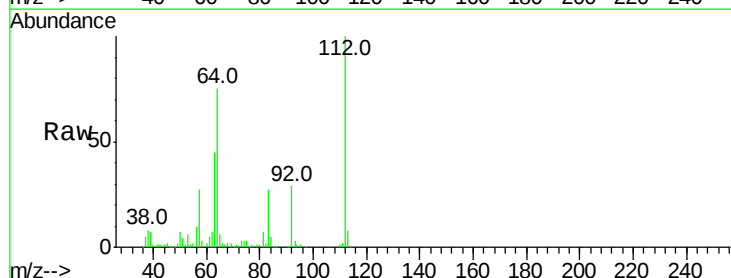
Tot Ion:152 Resp: 29782
Ion Ratio Lower Upper
152 100
150 144.2 126.6 189.8
115 68.3 53.0 79.4

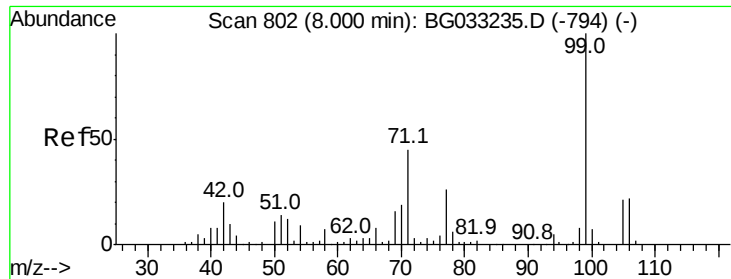


#5

2-Fluorophenol
Concen: 178.128 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.00 min
Lab File: BG033790.D
Acq: 13 Apr 2018 2:13

Tgt Ion:112 Resp: 282915
Ion Ratio Lower Upper
112 100
64 74.6 56.3 84.5
63 45.0 30.1 45.1





#7

Phenol-d6

Concen: 154.553 ng

RT: 7.96 min Scan# 796

Delta R.T. -0.01 min

Lab File: BG033790.D

Acq: 13 Apr 2018 2:13

Instrument :

BNA_G

ClientSampleId :

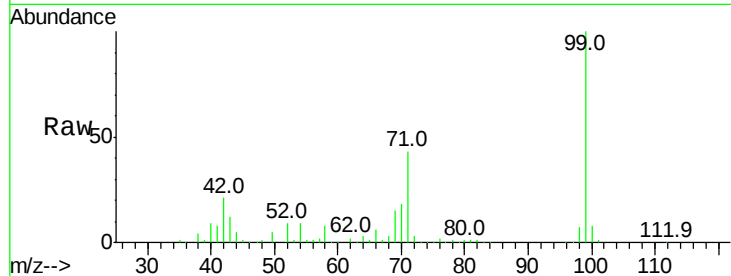
Tot Ion: 99 Resp: 421771

Ion Ratio Lower Upper

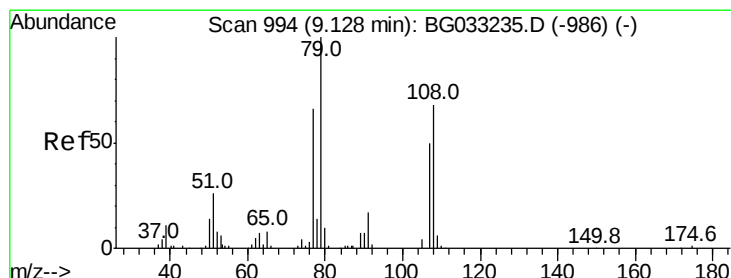
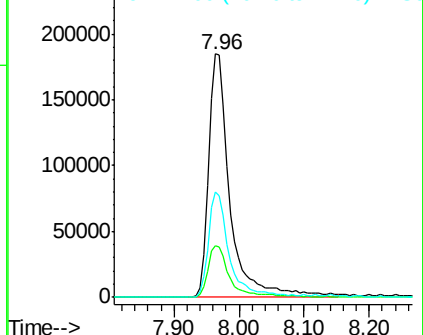
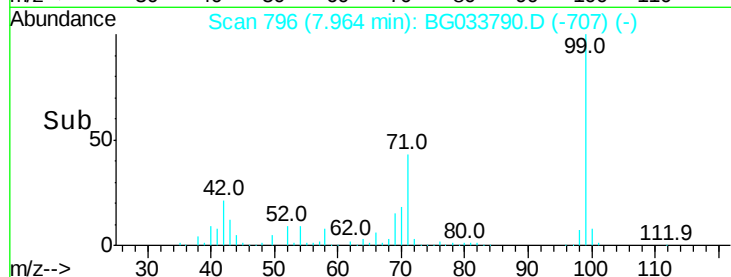
99 100

42 21.2 14.1 21.1#

71 43.2 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: 2.302 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033790.D

Acq: 13 Apr 2018 2:13

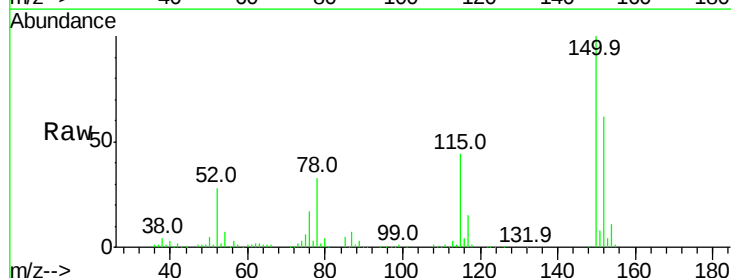
Tgt Ion: 79 Resp: 4946

Ion Ratio Lower Upper

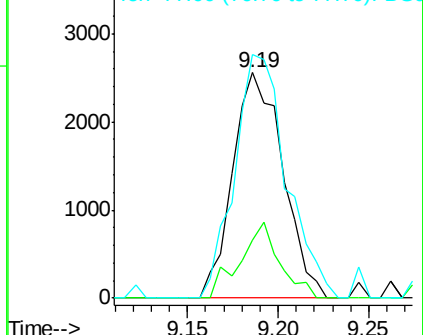
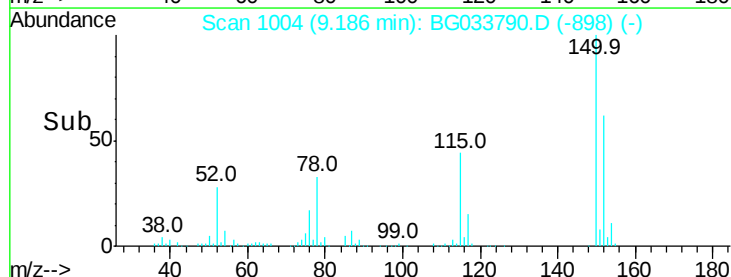
79 100

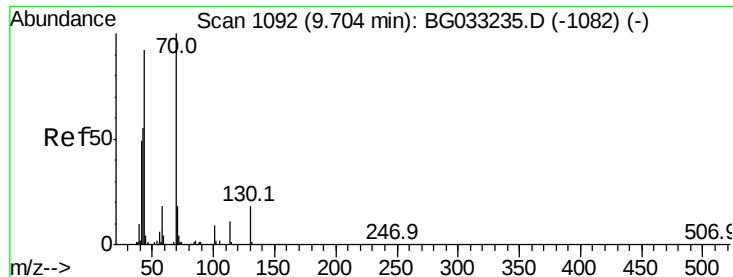
108 25.6 57.2 85.8#

77 108.1 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

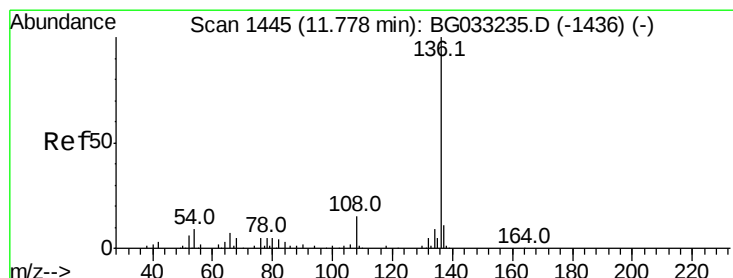
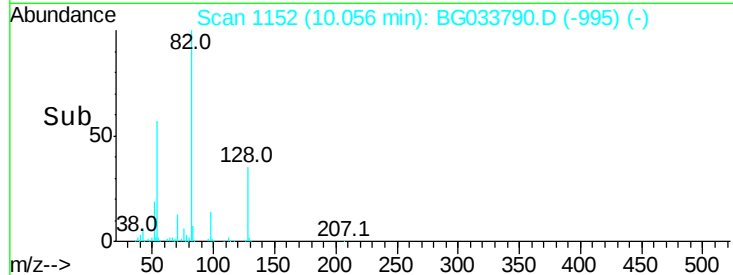
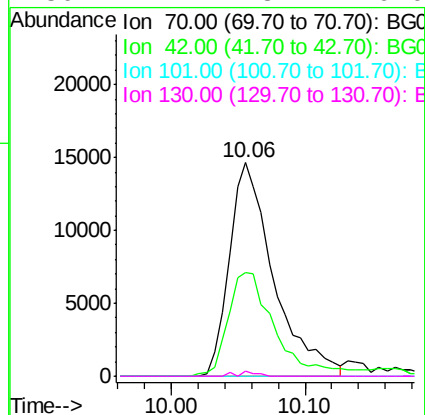
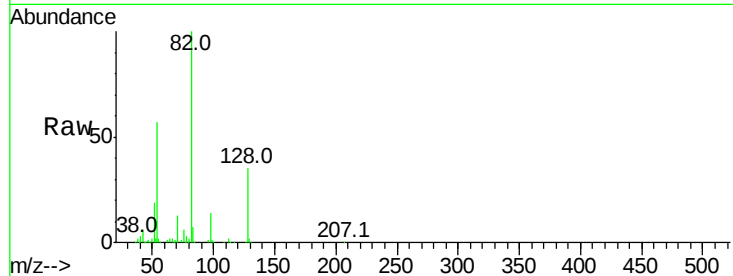




#19
n-Nitroso-di-n-propylamine
Concen: 16.882 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033790.D
Acq: 13 Apr 2018 2:13

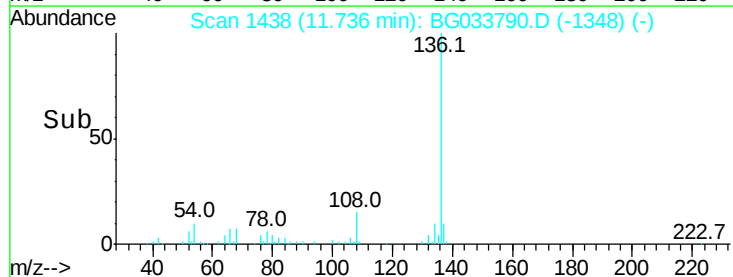
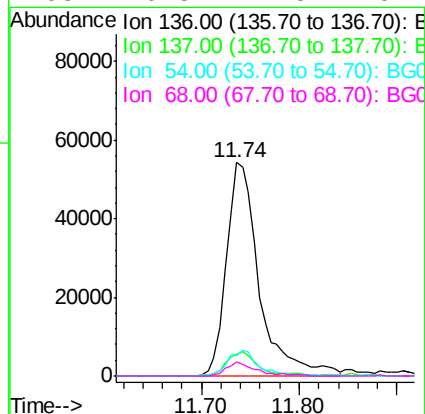
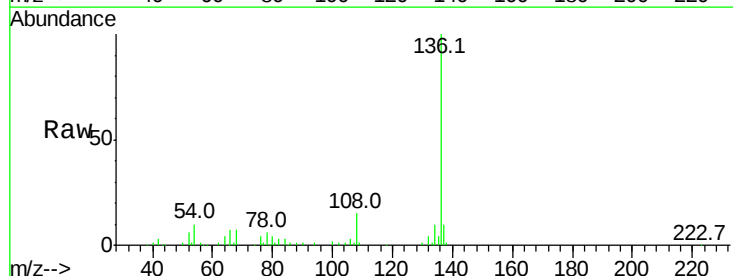
Instrument :
BNA_G
ClientSampleId :

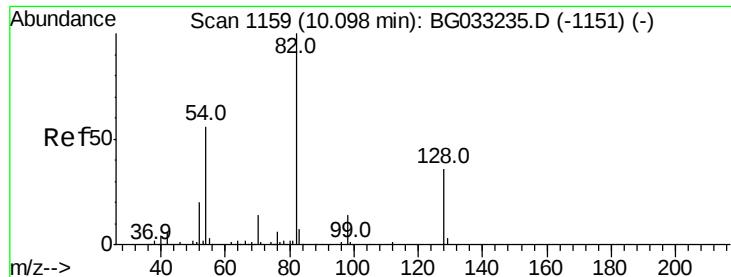
Tot Ion: 70 Resp: 33759
Ion Ratio Lower Upper
70 100
42 48.6 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BG033790.D
Acq: 13 Apr 2018 2:13

Tgt Ion: 136 Resp: 126410
Ion Ratio Lower Upper
136 100
137 10.1 9.2 13.8
54 9.7 10.3 15.5#
68 6.8 4.5 6.7#



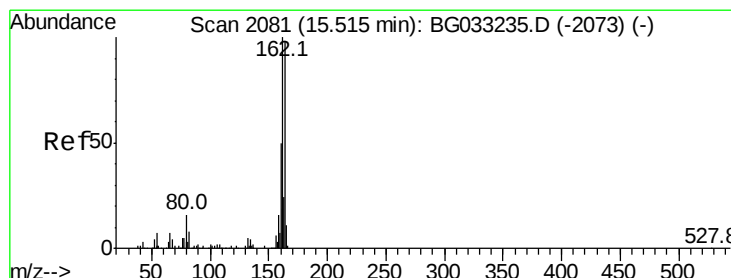
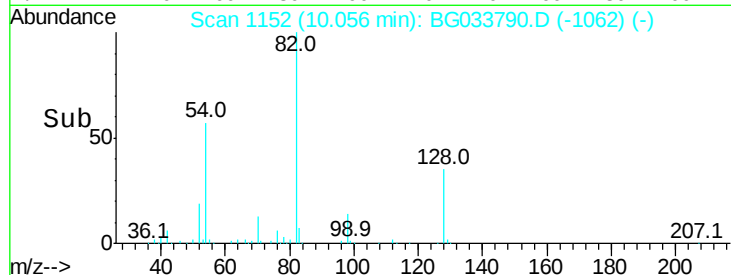
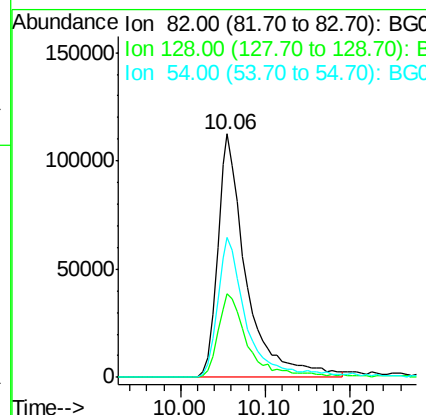
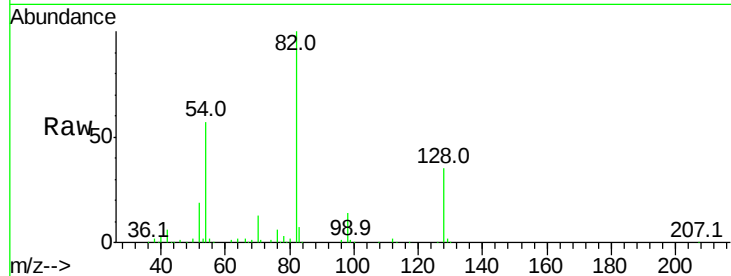


#23
 Nitrobenzene-d5
 Concen: 95.939 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BG033790.D
 Acq: 13 Apr 2018 2:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 263965

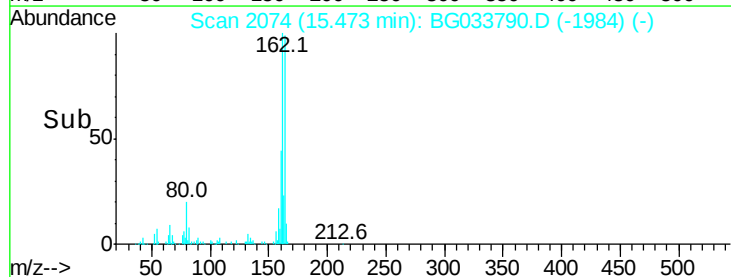
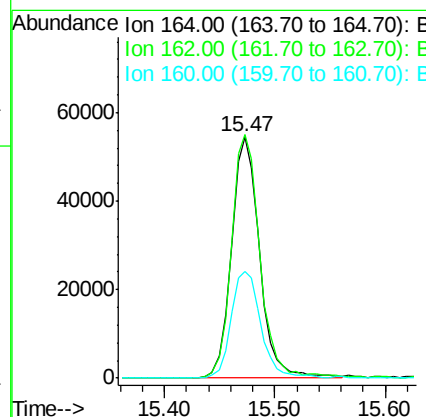
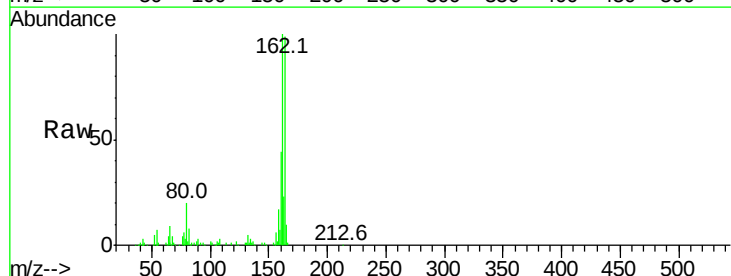
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.7	44.5
54	57.3	43.1	64.7

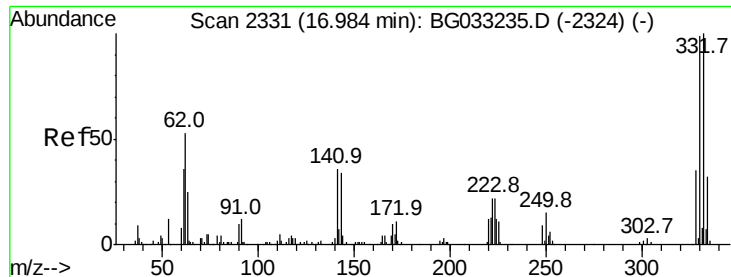


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: BG033790.D
 Acq: 13 Apr 2018 2:13

Tgt Ion: 164 Resp: 97019

Ion	Ratio	Lower	Upper
164	100		
162	100.9	78.8	118.2
160	44.3	35.4	53.0

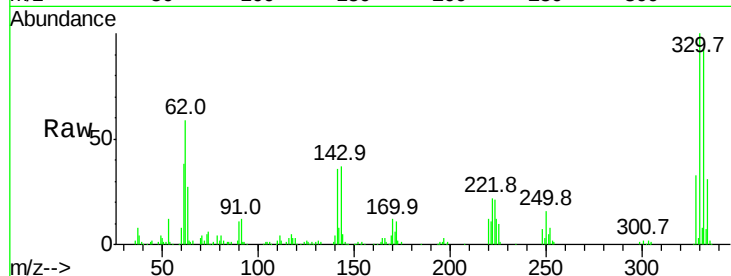




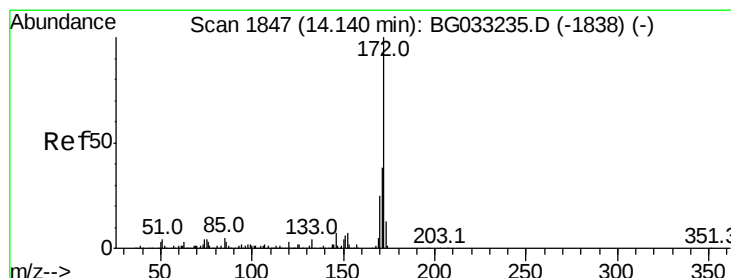
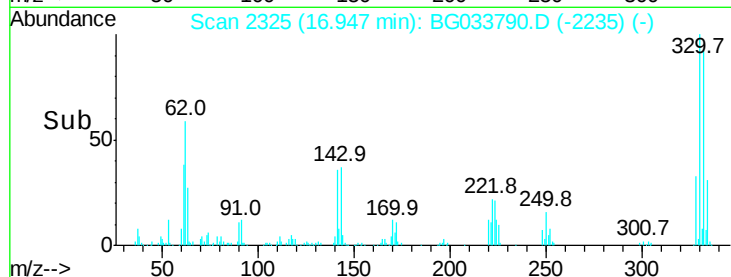
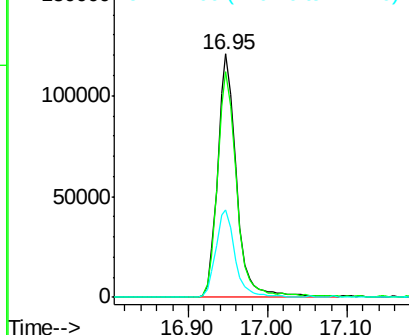
#41
 2,4,6-Tribromophenol
 Concen: 137.493 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: BG033790.D
 Acq: 13 Apr 2018 2:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	36.1	25.2	37.8

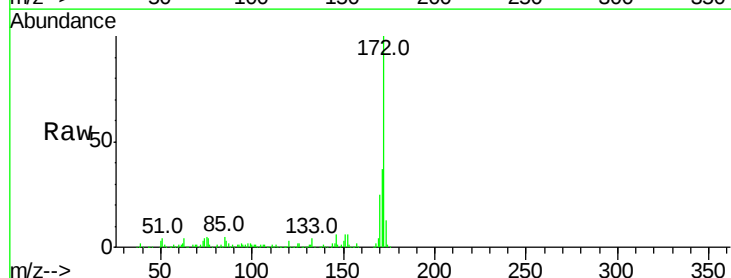


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

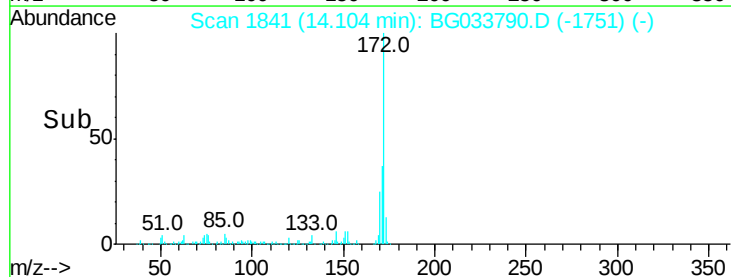
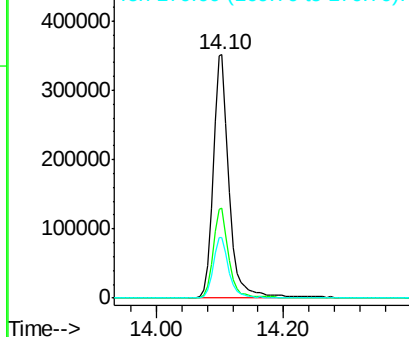


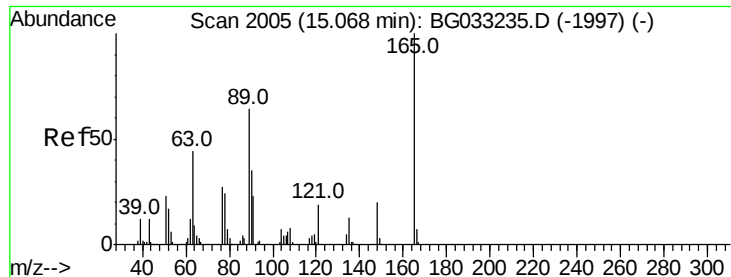
#44
 2-Fluorobiphenyl
 Concen: 94.210 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033790.D
 Acq: 13 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	24.9	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

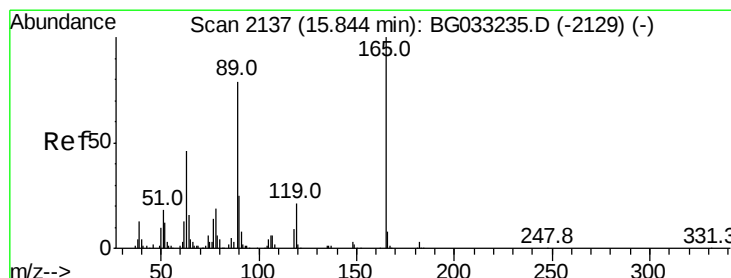
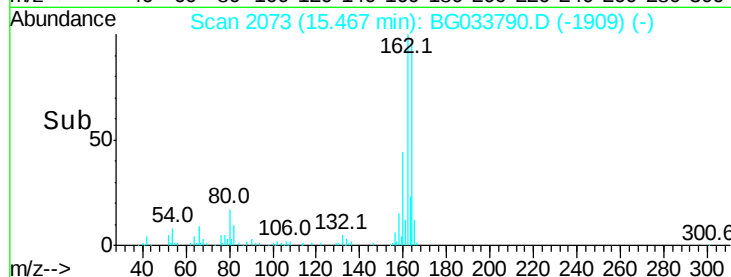
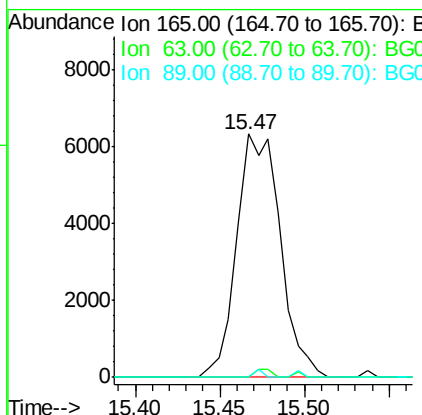
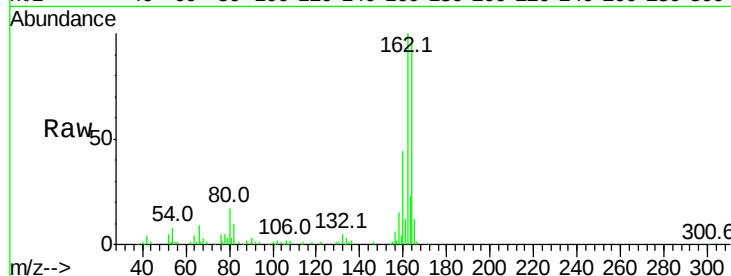




#50
2,6-Dinitrotoluene
Concen: 6.574 ng
RT: 15.47 min Scan# 2073
Delta R.T. 0.43 min
Lab File: BG033790.D
Acq: 13 Apr 2018 2:13

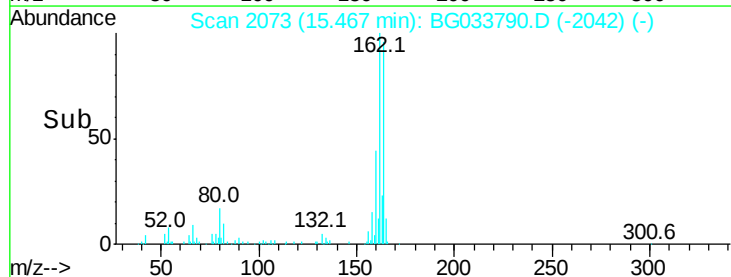
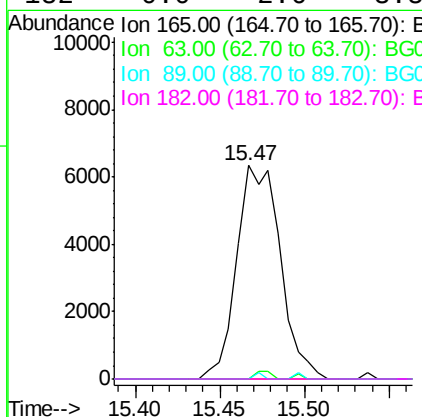
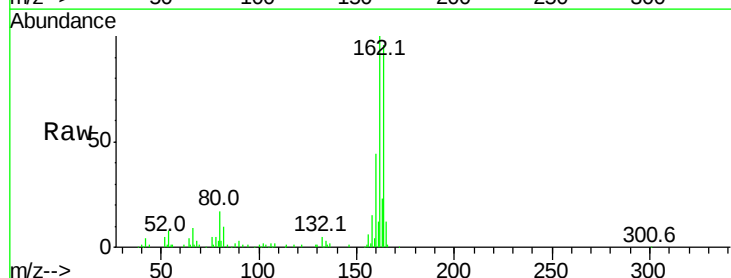
Instrument :
BNA_G
ClientSampleId :

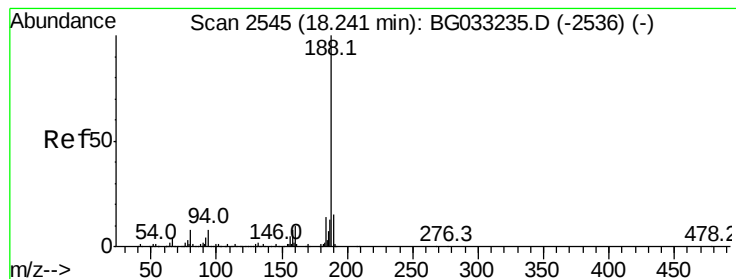
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 4.465 ng
RT: 15.47 min Scan# 2073
Delta R.T. -0.35 min
Lab File: BG033790.D
Acq: 13 Apr 2018 2:13

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# 2539

Delta R.T. -0.00 min

Lab File: BG033790.D

Acq: 13 Apr 2018 2:13

Instrument :

BNA_G

ClientSampleId :

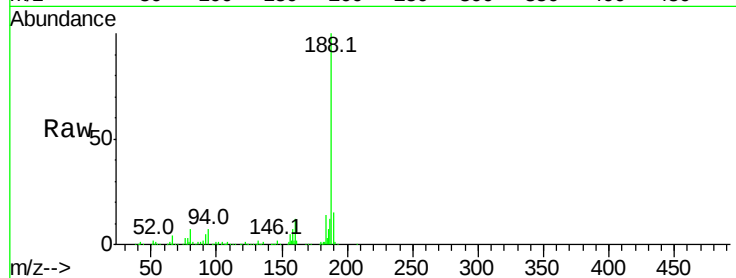
Tot Ion:188 Resp: 297909

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

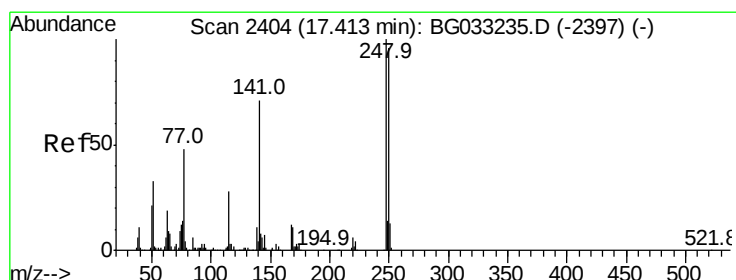
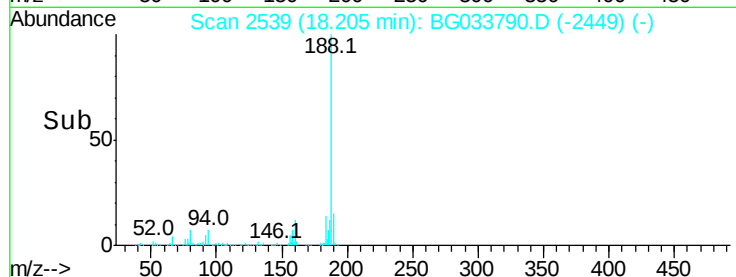
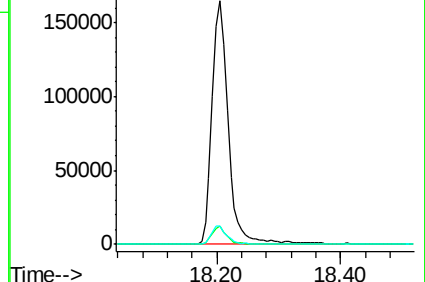
80 7.4 7.7 11.5#



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: 4.068 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033790.D

Acq: 13 Apr 2018 2:13

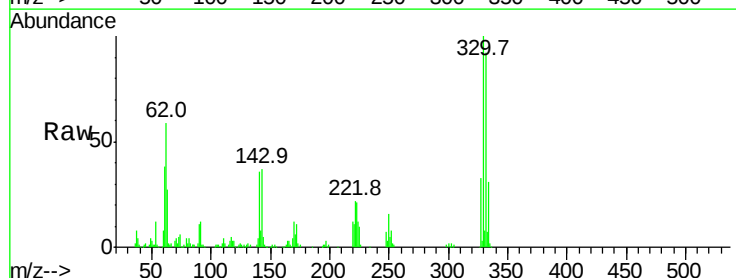
Tgt Ion:248 Resp: 14232

Ion Ratio Lower Upper

248 100

250 236.4 77.1 115.7#

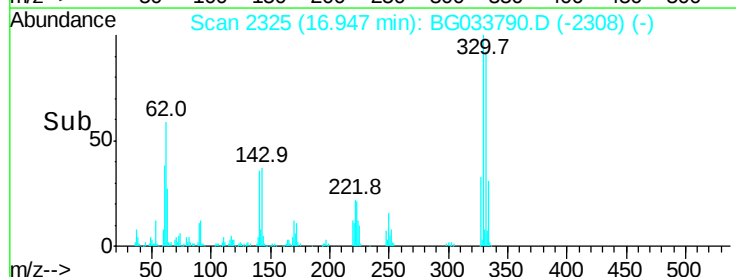
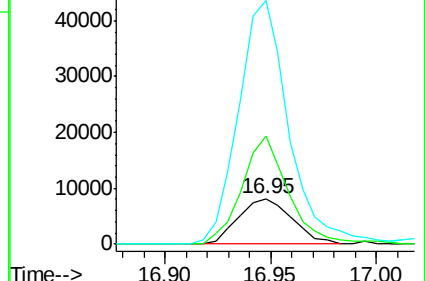
141 532.6 50.8 76.2#

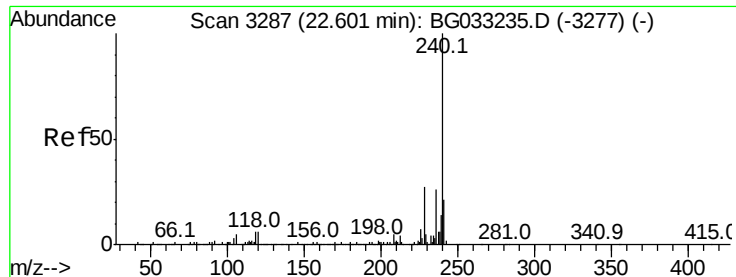


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3278

Delta R.T. -0.01 min

Lab File: BG033790.D

Acq: 13 Apr 2018 2:13

Instrument :

BNA_G

ClientSampleId :

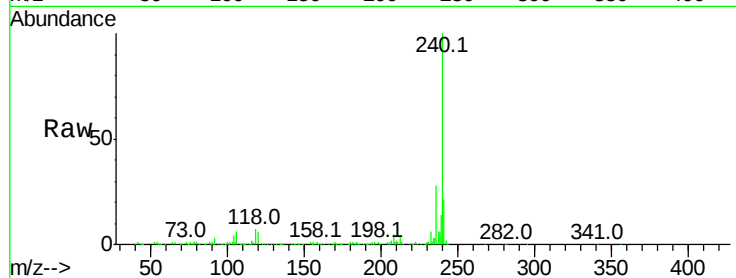
Tot Ion:240 Resp: 325017

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

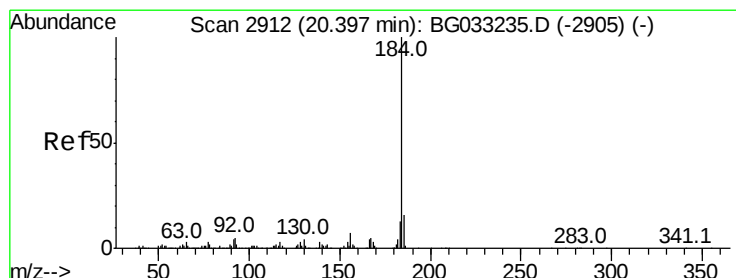
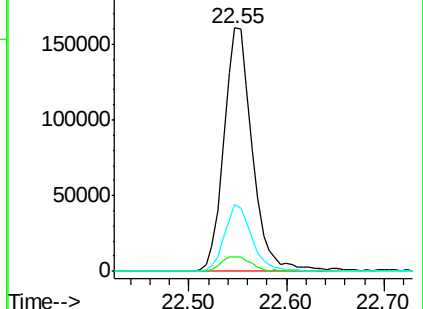
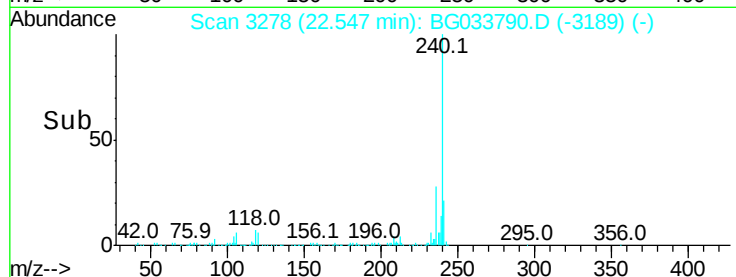
236 27.6 20.9 31.3



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: 2.656 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033790.D

Acq: 13 Apr 2018 2:13

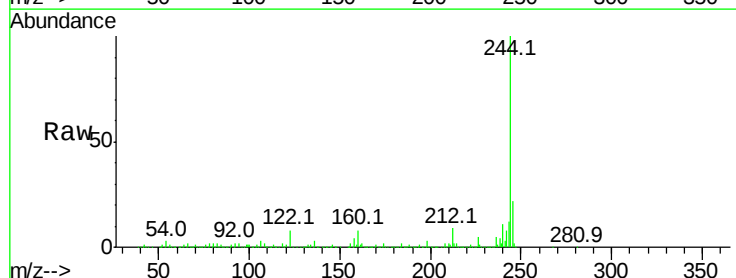
Tgt Ion:184 Resp: 23407

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

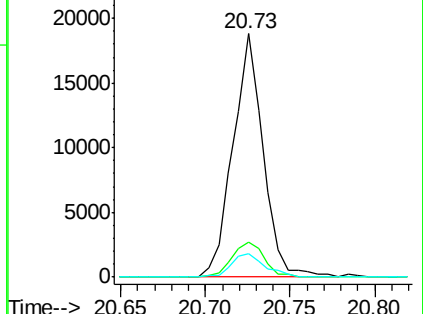
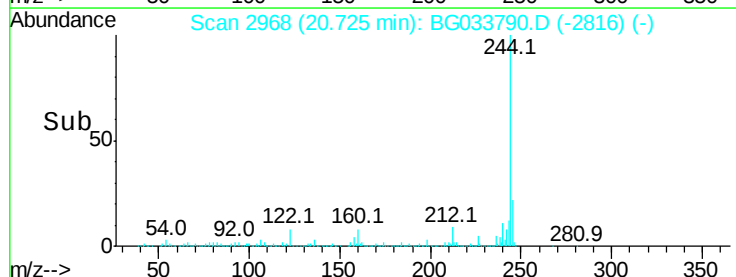
183 9.8 10.6 16.0#

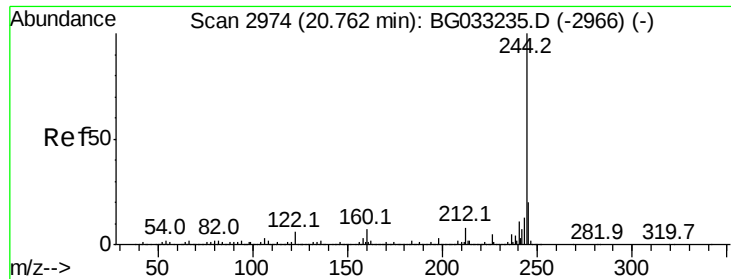


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



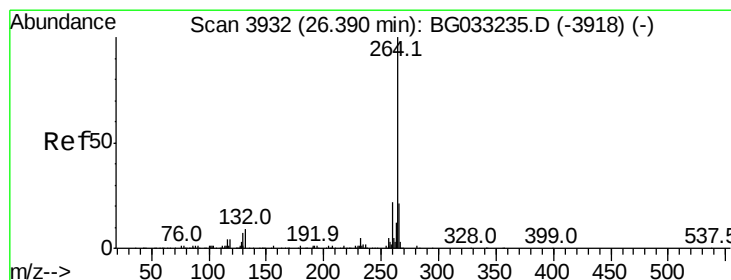
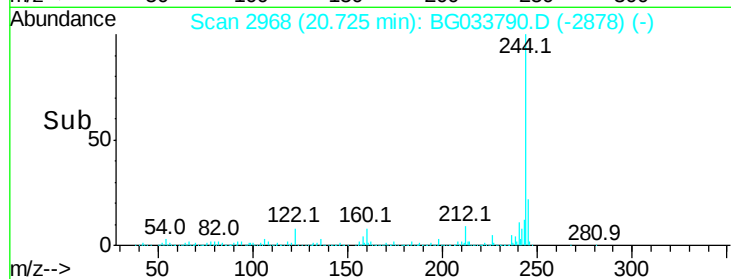
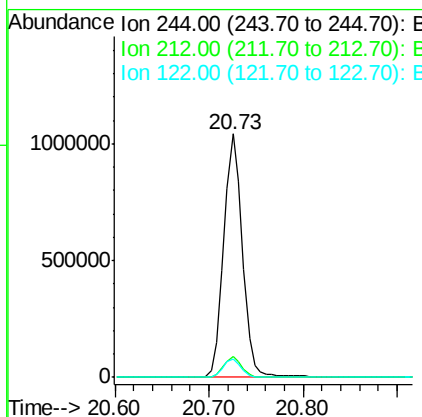
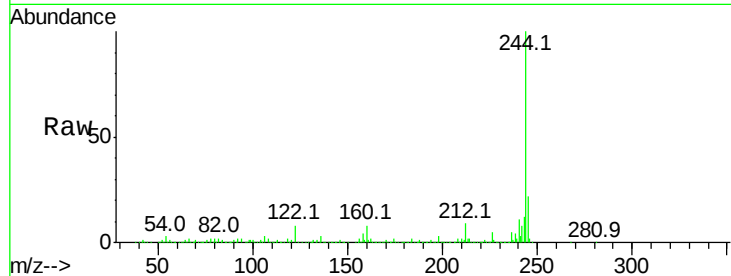


#78
 Terphenyl-d14
 Concen: 95.333 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.00 min
 Lab File: BG033790.D
 Acq: 13 Apr 2018 2:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1448831

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	7.6	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3919
 Delta R.T. 0.01 min
 Lab File: BG033790.D
 Acq: 13 Apr 2018 2:13

Tgt Ion:264 Resp: 337281

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.6	17.7	26.5

