

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\
 Data File : BG033791.D
 Acq On : 13 Apr 2018 2:51
 Operator : SJ/JU
 Sample : PB108178TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 13 03:42:12 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

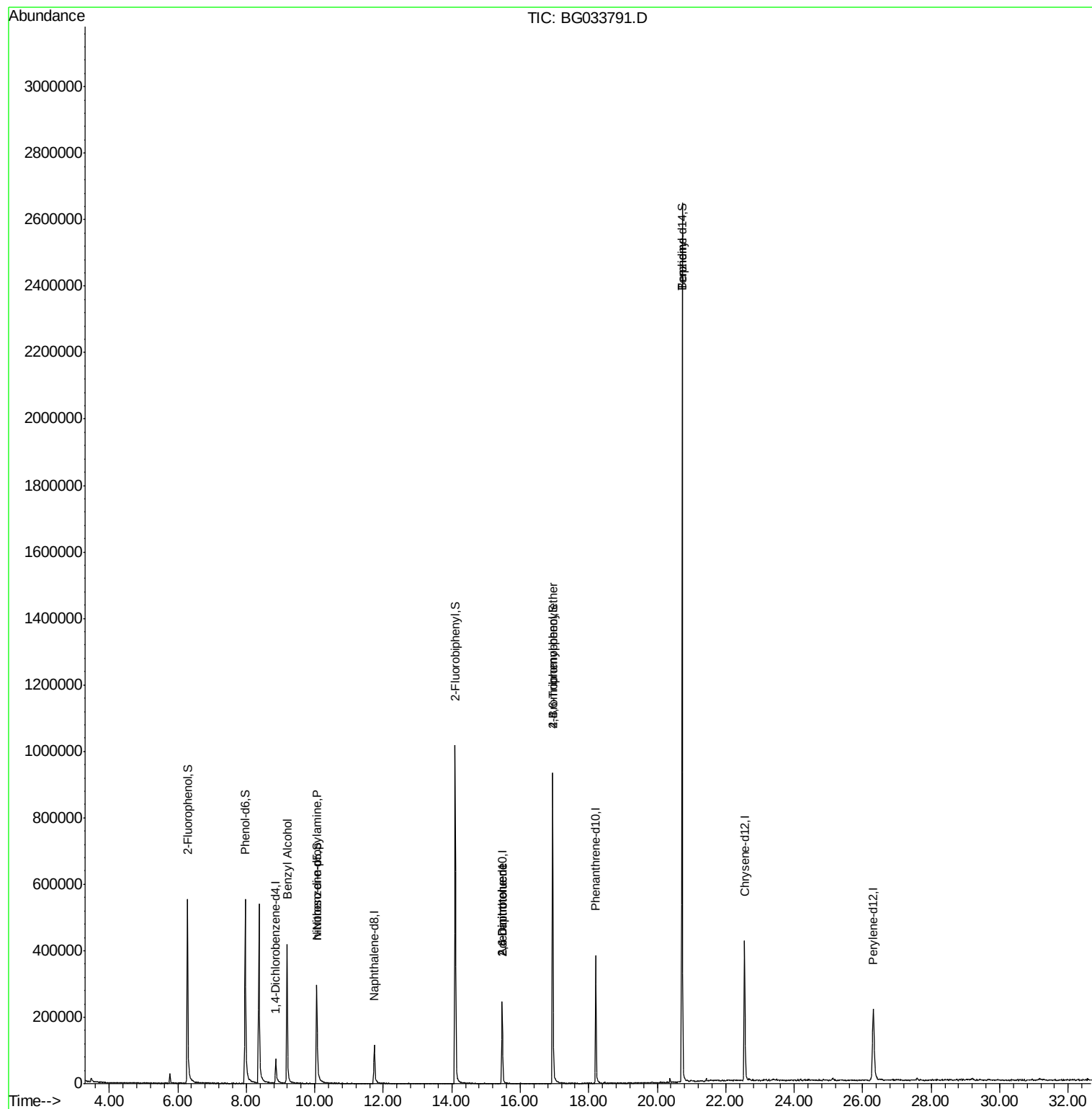
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	28505	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	123257	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	93685	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	269387	20.00	ng	0.00
75) Chrysene-d12	22.55	240	312815	20.00	ng	0.00
86) Perylene-d12	26.31	264	320814	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	263744	173.50	ng	0.00
7) Phenol-d6	7.96	99	384892	147.36	ng	0.00
23) Nitrobenzene-d5	10.06	82	240609	89.69	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	177334	126.56	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	593784	91.50	ng	0.00
78) Terphenyl-d14	20.73	244	1346609	92.06	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4540	2.208	ng	# 52
19) n-Nitroso-di-n-propylamine	10.06	70	32455	16.957	ng	# 85
50) 2,6-Dinitrotoluene	15.47	165	11826	7.094	ng	# 18
56) 2,4-Dinitrotoluene	15.47	165	11826	4.818	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	13611	4.302	ng	# 1
76) Benzidine	20.73	184	22034	2.597	ng	# 91

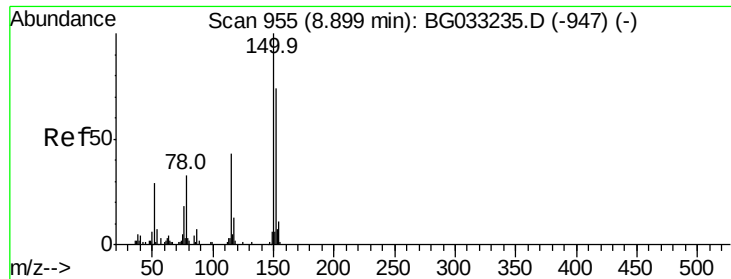
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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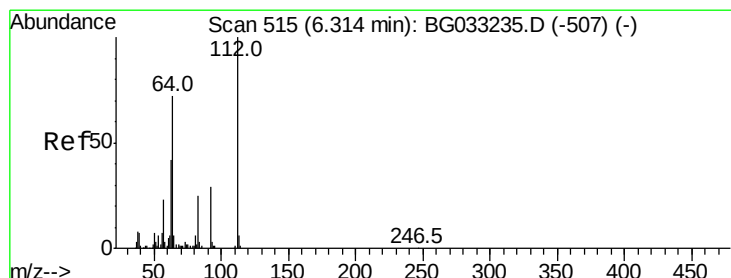
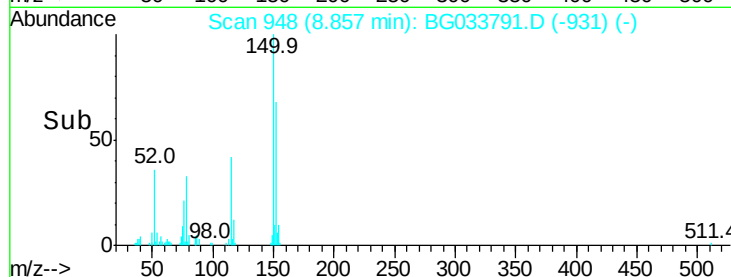
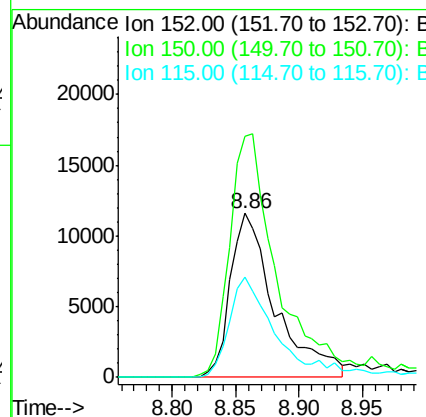
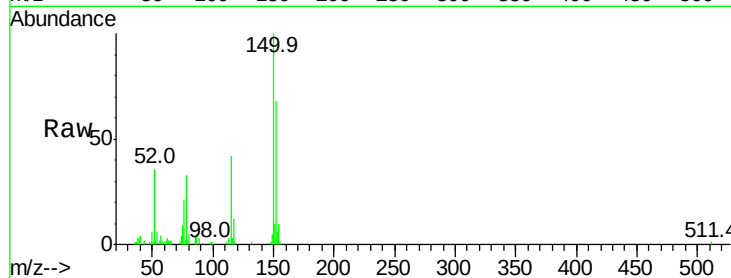




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.86 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BG033791.D
 Acq: 13 Apr 2018 2:51

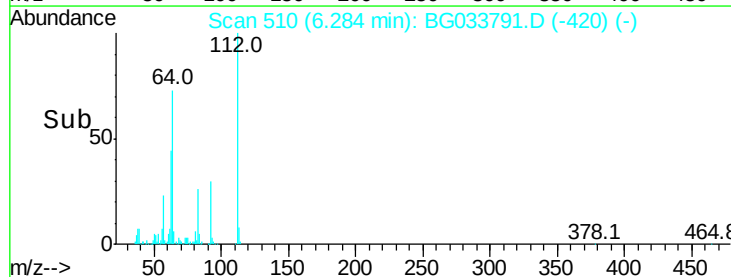
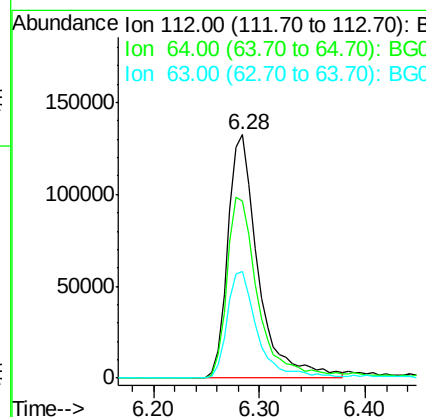
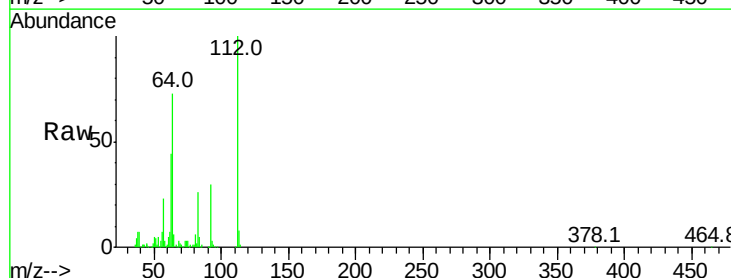
Instrument :
 BNA_G
 ClientSampleId :

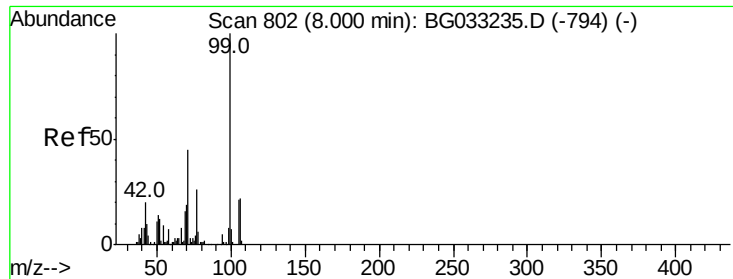
Tot Ion:152 Resp: 28505
 Ion Ratio Lower Upper
 152 100
 150 146.7 126.6 189.8
 115 61.5 53.0 79.4



#5
 2-Fluorophenol
 Concen: 173.496 ng
 RT: 6.28 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BG033791.D
 Acq: 13 Apr 2018 2:51

Tgt Ion:112 Resp: 263744
 Ion Ratio Lower Upper
 112 100
 64 72.5 56.3 84.5
 63 43.9 30.1 45.1





#7

Phenol-d6

Concen: 147.357 ng

RT: 7.96 min Scan# 796

Delta R.T. -0.01 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

Instrument :

BNA_G

ClientSampleId :

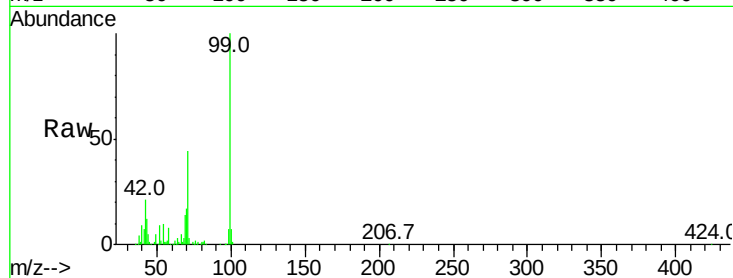
Tot Ion: 99 Resp: 384892

Ion Ratio Lower Upper

99 100

42 20.8 14.1 21.1

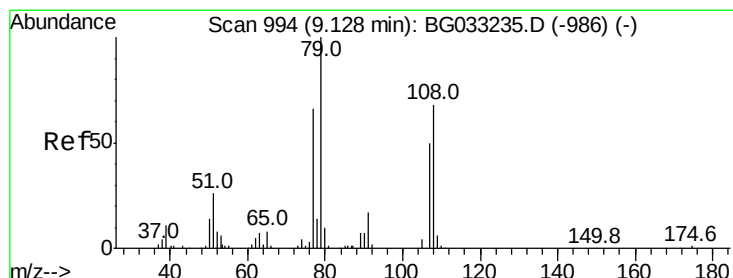
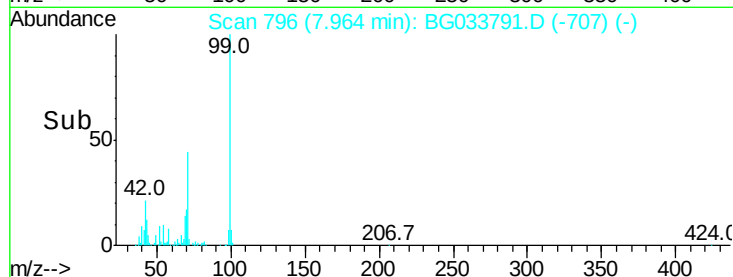
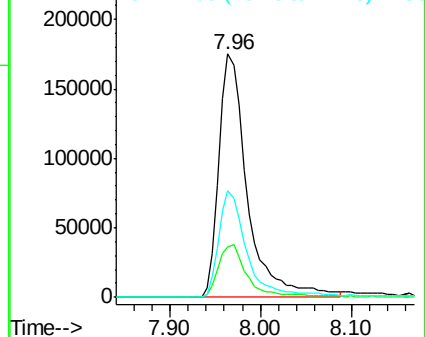
71 43.8 26.1 39.1#



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: 2.208 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

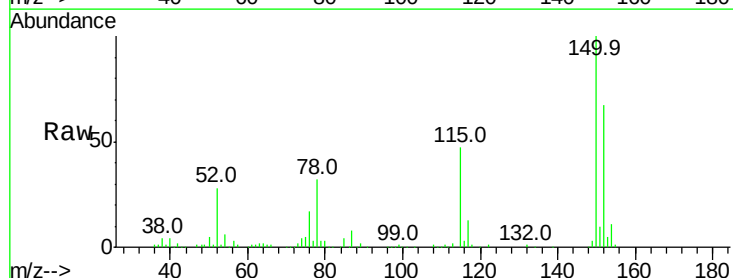
Tgt Ion: 79 Resp: 4540

Ion Ratio Lower Upper

79 100

108 32.0 57.2 85.8#

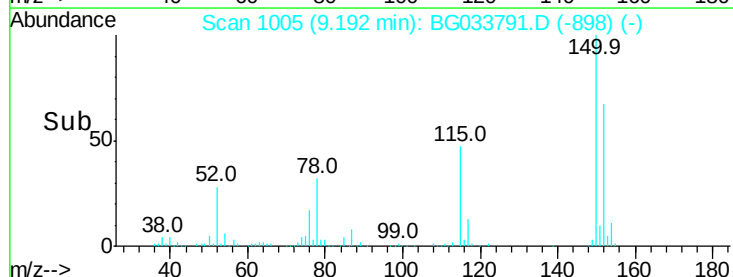
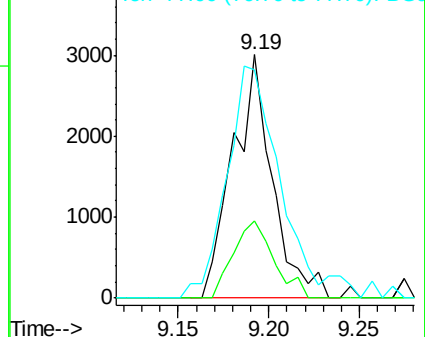
77 93.7 46.1 69.1#

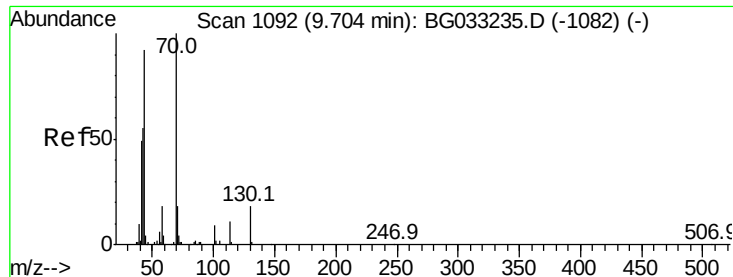


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

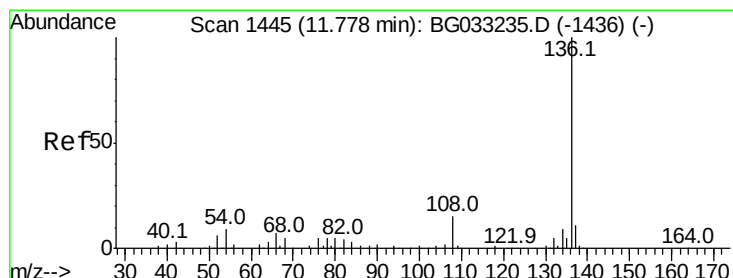
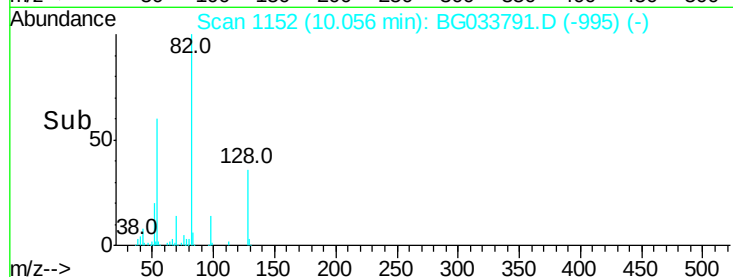
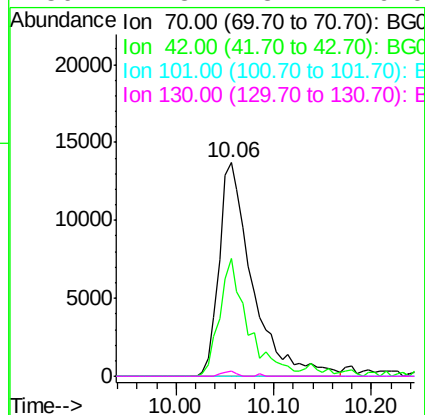
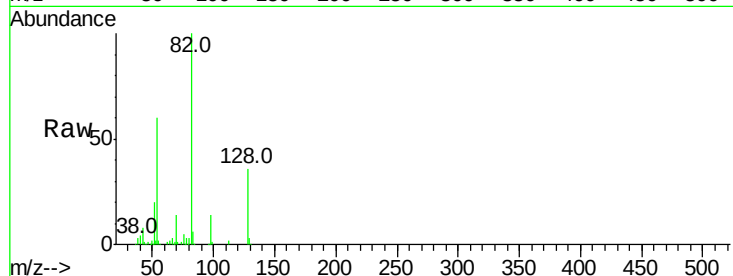




#19
n-Nitroso-di-n-propylamine
Concen: 16.957 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033791.D
Acq: 13 Apr 2018 2:51

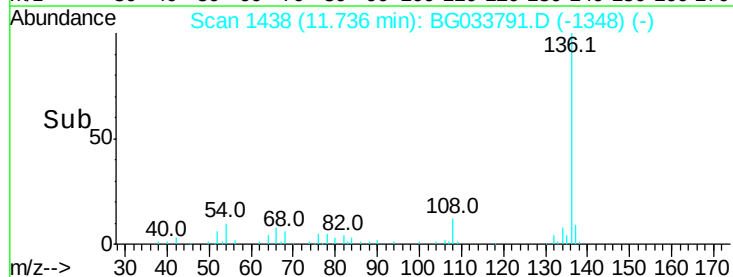
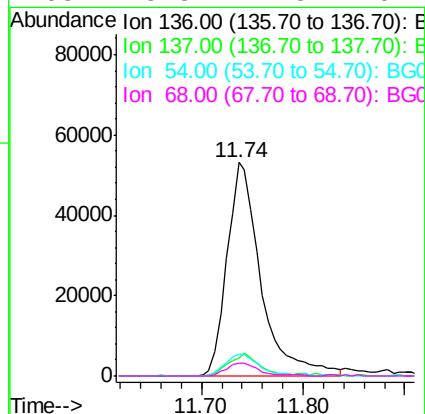
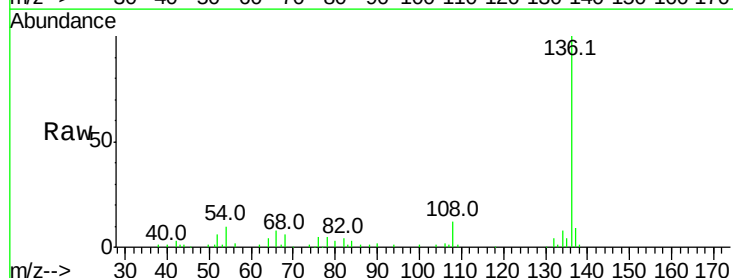
Instrument :
BNA_G
ClientSampleId :

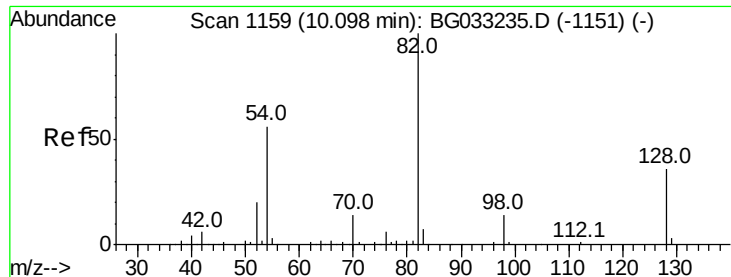
Tot Ion:	70	Resp:	32455
Ion Ratio	Lower	Upper	
70	100		
42	55.3	49.1	73.7
101	0.0	8.5	12.7#
130	2.3	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033791.D
Acq: 13 Apr 2018 2:51

Tgt Ion:	136	Resp:	123257
Ion Ratio	Lower	Upper	
136	100		
137	8.5	9.2	13.8#
54	10.1	10.3	15.5#
68	5.8	4.5	6.7





#23

Nitrobenzene-d5

Concen: 89.687 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

Instrument :

BNA_G

ClientSampled :

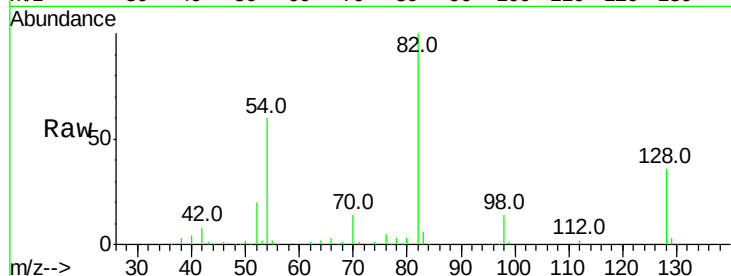
Tot Ion: 82 Resp: 240609

Ion Ratio Lower Upper

82 100

128 35.7 29.7 44.5

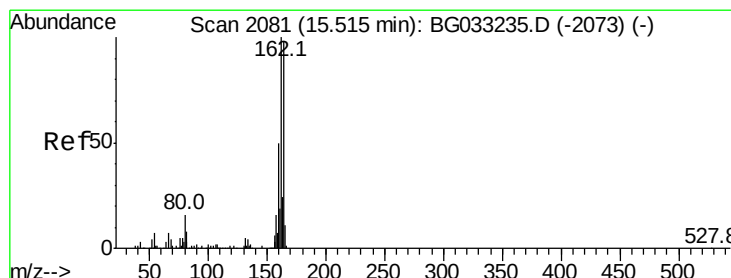
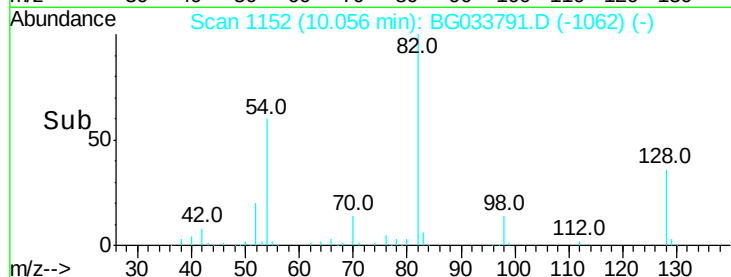
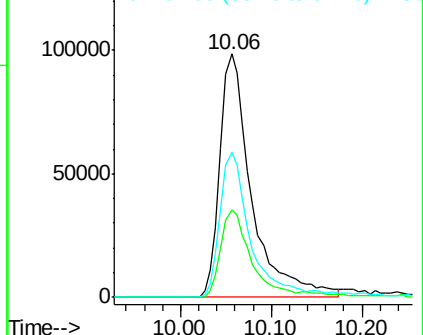
54 59.5 43.1 64.7



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# 2074

Delta R.T. 0.00 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

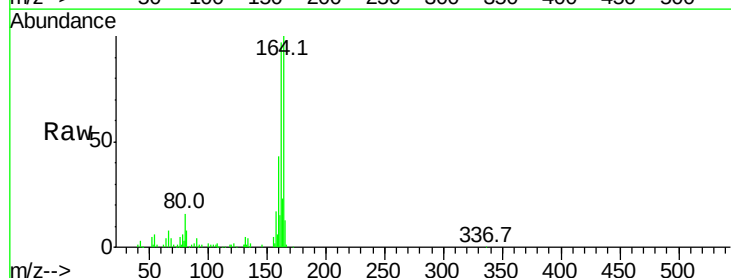
Tgt Ion: 164 Resp: 93685

Ion Ratio Lower Upper

164 100

162 96.9 78.8 118.2

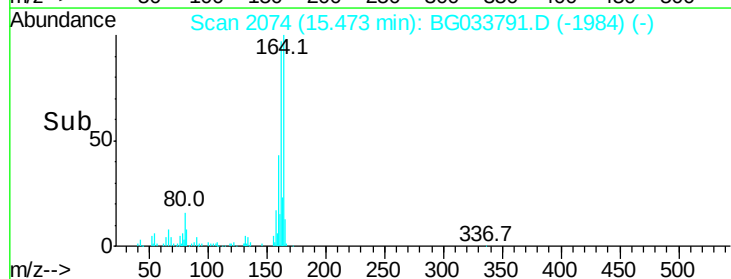
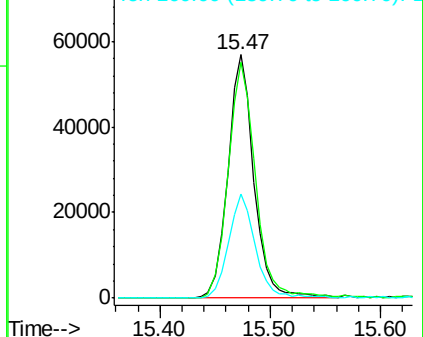
160 42.8 35.4 53.0

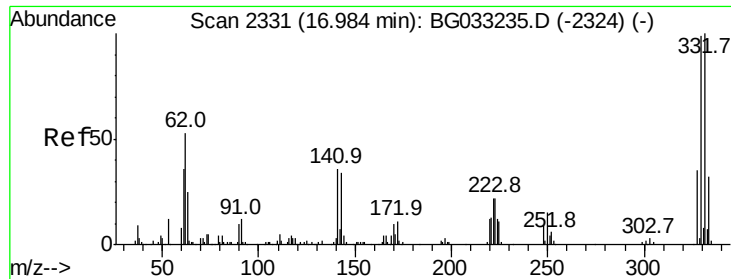


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

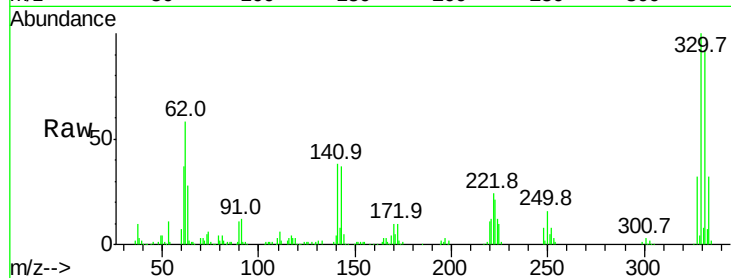




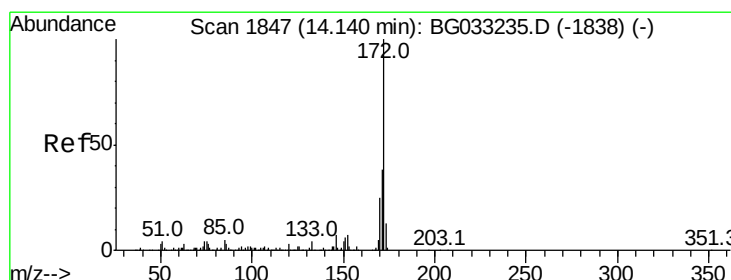
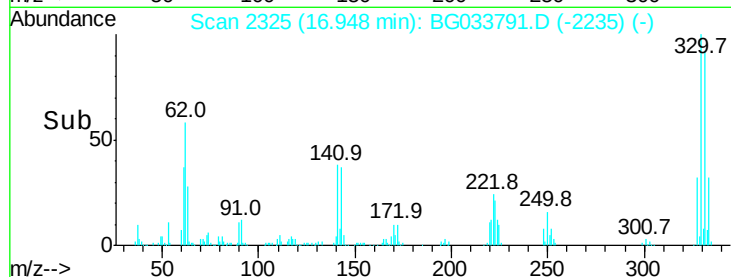
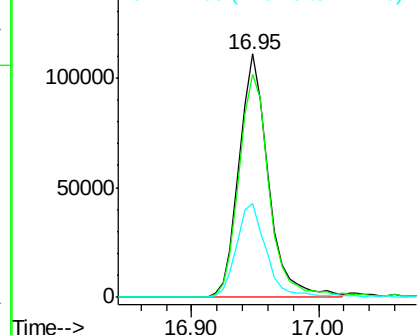
#41
 2,4,6-Tribromophenol
 Concen: 126.562 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033791.D
 Acq: 13 Apr 2018 2:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	38.8	25.2	37.8#

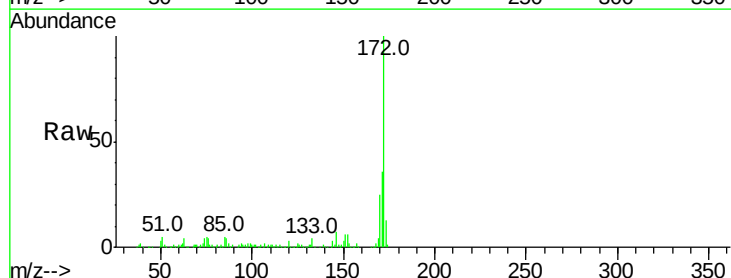


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

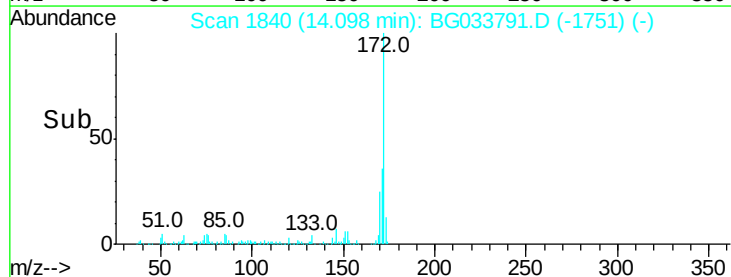
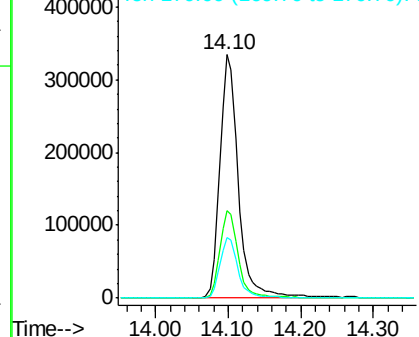


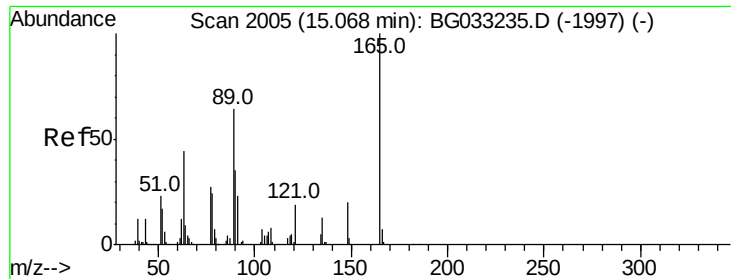
#44
 2-Fluorobiphenyl
 Concen: 91.499 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG033791.D
 Acq: 13 Apr 2018 2:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	25.0	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

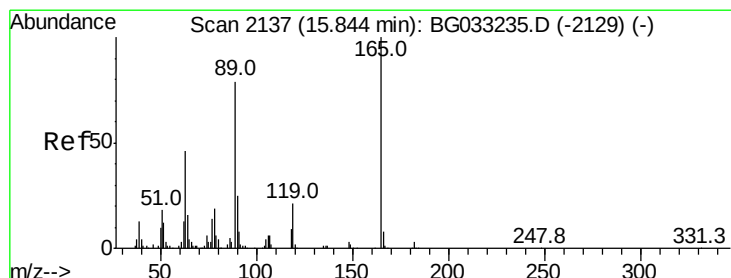
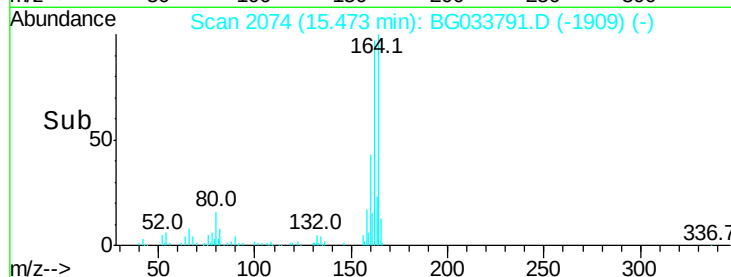
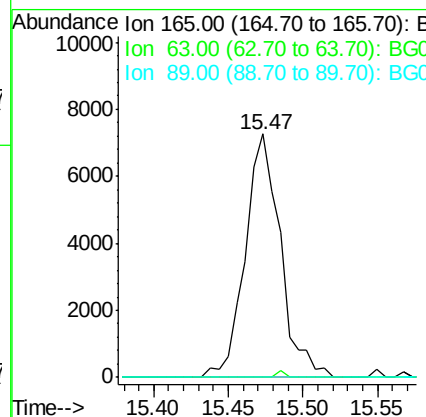
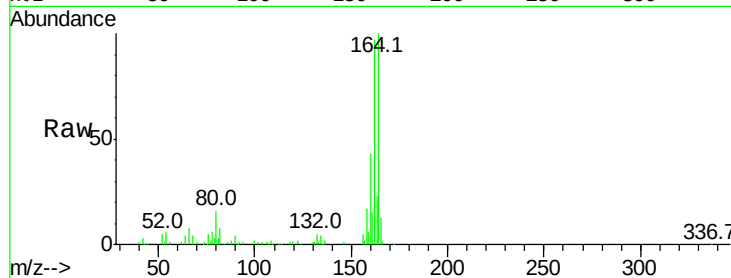




#50
2,6-Dinitrotoluene
Concen: 7.094 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033791.D
Acq: 13 Apr 2018 2:51

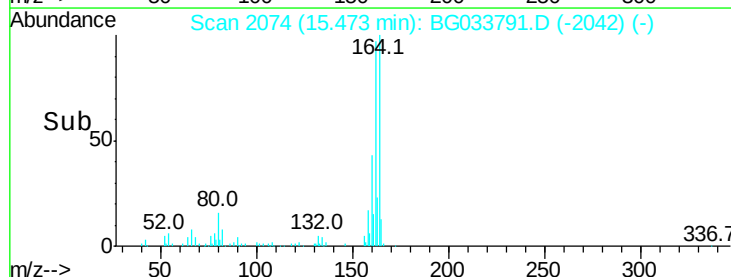
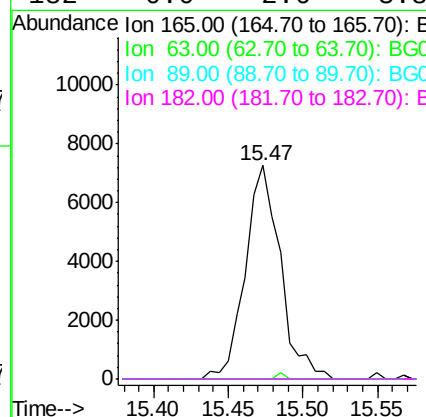
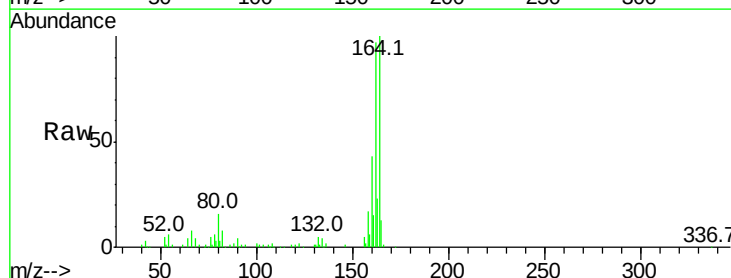
Instrument :
BNA_G
ClientSampleId :

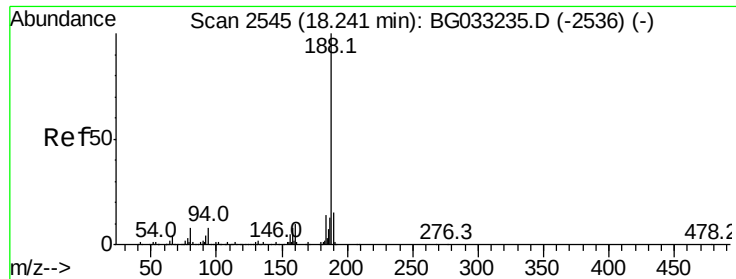
Tot Ion:165 Resp: 11826
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.818 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033791.D
Acq: 13 Apr 2018 2:51

Tgt Ion:165 Resp: 11826
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: 18.21 min Scan# 2539

Delta R.T. 0.00 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

Instrument :

BNA_G

ClientSampleId :

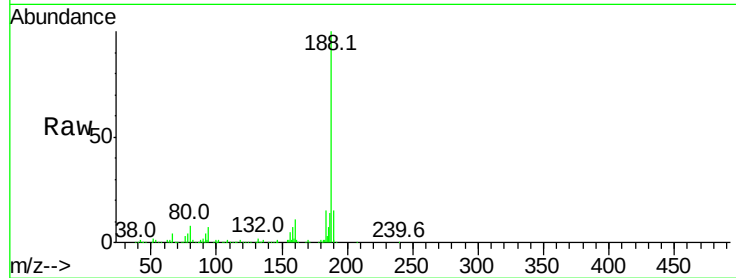
Tot Ion:188 Resp: 269387

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

80 7.7 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

200000

150000

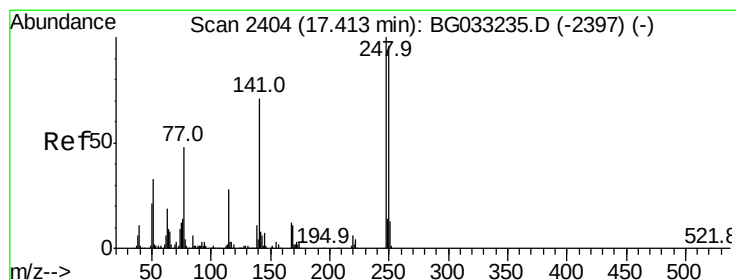
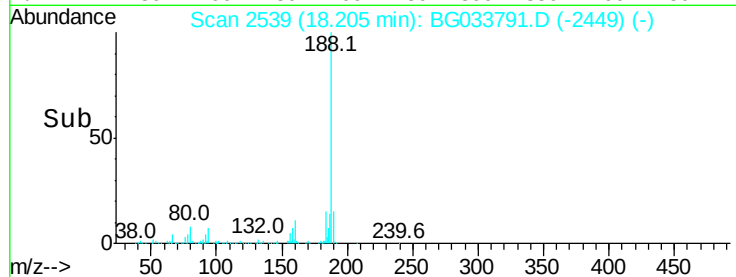
100000

50000

0

18.10 18.20 18.30

Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.302 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

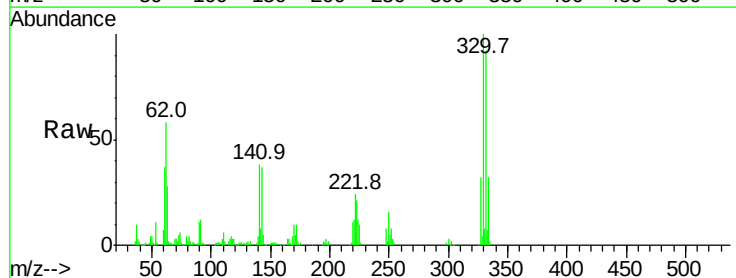
Tgt Ion:248 Resp: 13611

Ion Ratio Lower Upper

248 100

250 203.4 77.1 115.7#

141 485.2 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

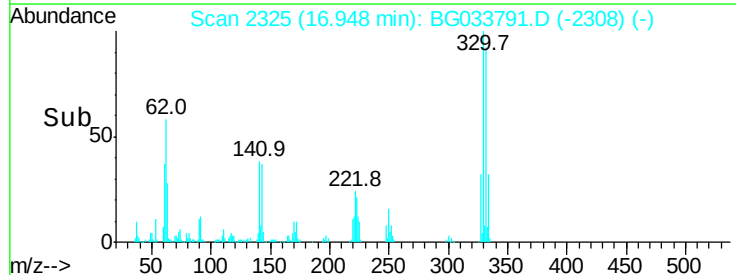
20000

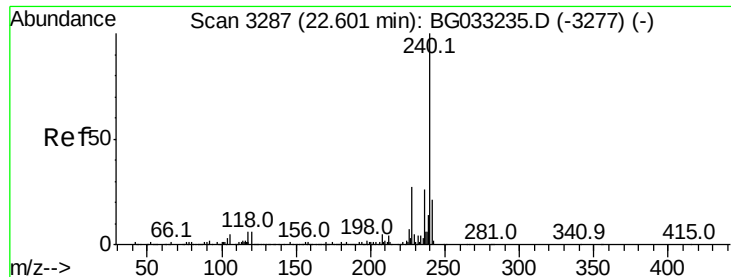
10000

0

16.90 16.95 17.00

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

Instrument :

BNA_G

ClientSampleId :

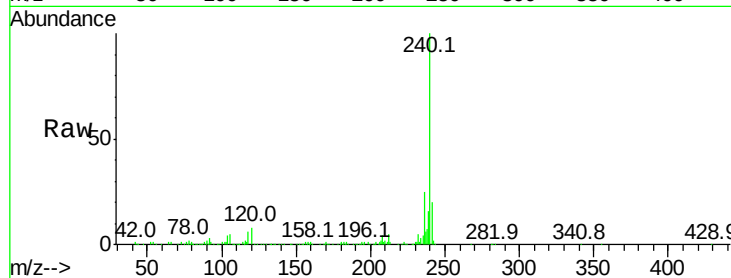
Tot Ion:240 Resp: 312815

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

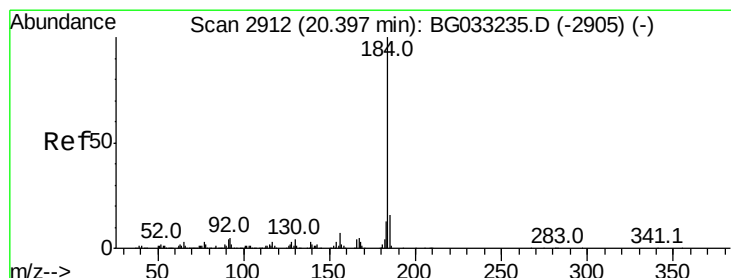
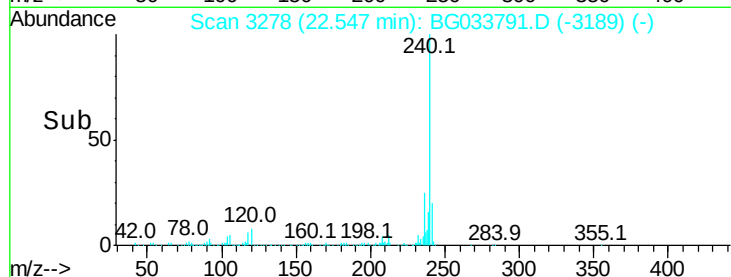
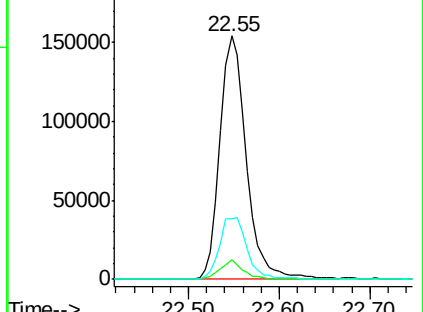
236 25.1 20.9 31.3



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: 2.597 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033791.D

Acq: 13 Apr 2018 2:51

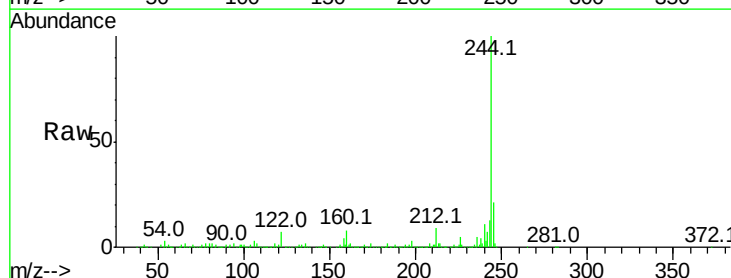
Tgt Ion:184 Resp: 22034

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

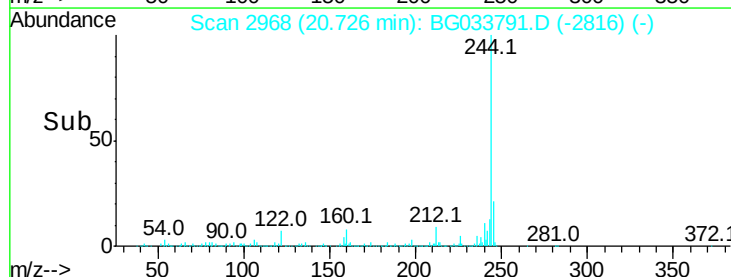
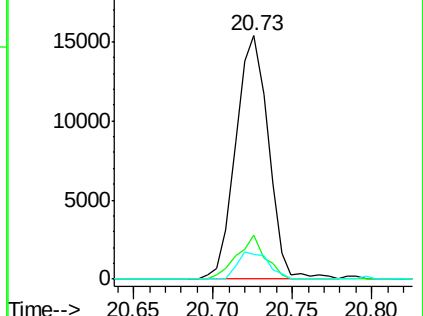
183 9.9 10.6 16.0#

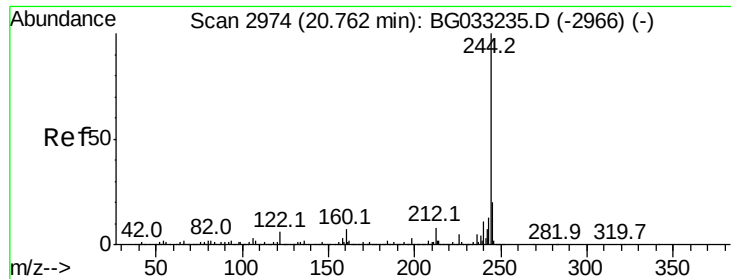


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



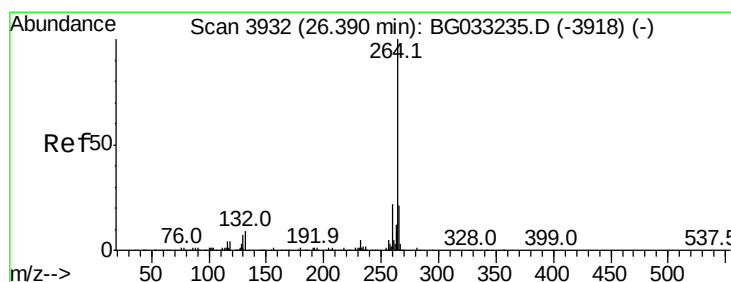
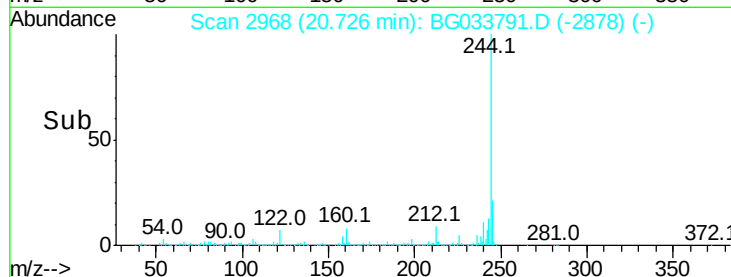
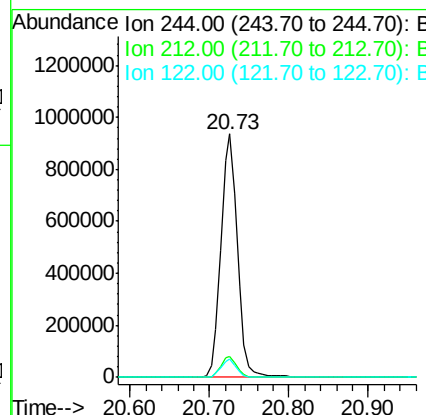
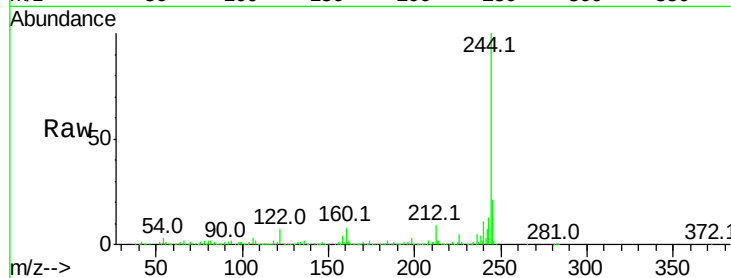


#78
 Terphenyl-d14
 Concen: 92.063 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. 0.00 min
 Lab File: BG033791.D
 Acq: 13 Apr 2018 2:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1346609

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	7.4	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: BG033791.D
 Acq: 13 Apr 2018 2:51

Tgt Ion:264 Resp: 320814

Ion	Ratio	Lower	Upper
264	100		
260	21.1	17.4	26.0
265	22.2	17.7	26.5

