

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033180.D
 Acq On : 15 Mar 2018 17:15
 Operator : SJ/JU
 Sample : J1757-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:51:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

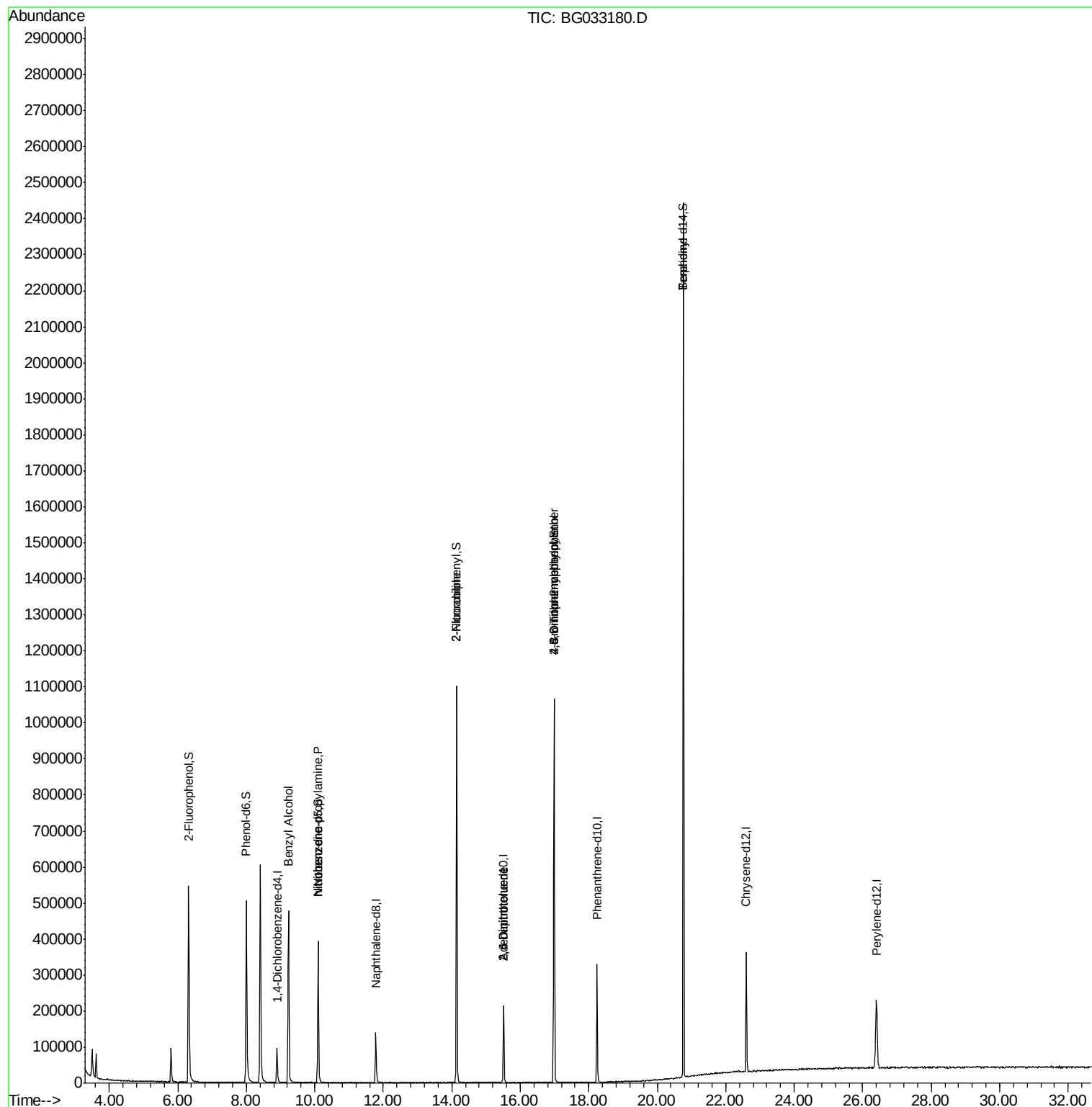
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	31237	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	132193	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	79368	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	208142	20.00	ng	0.00
75) Chrysene-d12	22.60	240	216453	20.00	ng	-0.01
86) Perylene-d12	26.40	264	237124	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	288375	147.70	ng	0.00
7) Phenol-d6	8.01	99	348647	128.11	ng	0.00
23) Nitrobenzene-d5	10.10	82	260542	130.73	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	217452	260.57	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	583725	106.07	ng	0.00
78) Terphenyl-d14	20.76	244	1115948	115.83	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.23	79	4347	2.173	ng	# 55
19) n-Nitroso-di-n-propylamine	10.10	70	36055	18.766	ng	# 81
24) Nitrobenzene	10.10	77	875	6.740	ng	# 42
47) 2-Nitroaniline	14.14	65	1051	10.475	ng	# 15
50) 2,6-Dinitrotoluene	15.51	165	9850	16.092	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	9850	14.288	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	644	6.259	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14543	6.608	ng	# 1
76) Benzidine	20.76	184	18584	2.519	ng	# 91

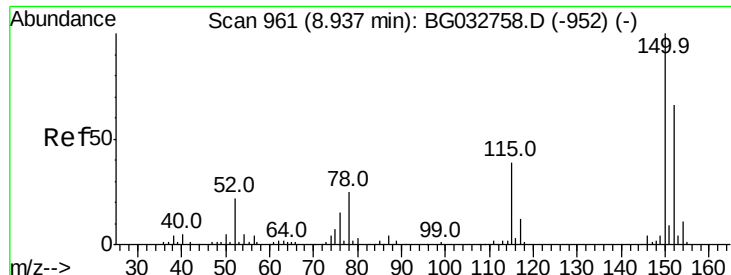
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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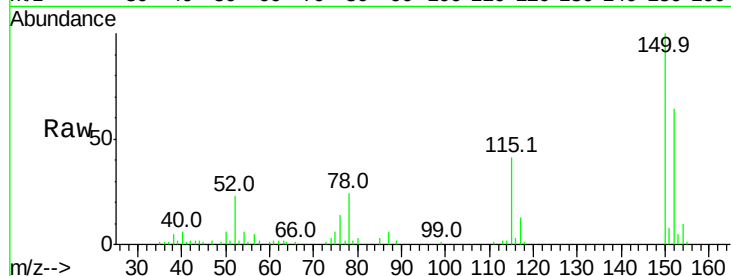


#1

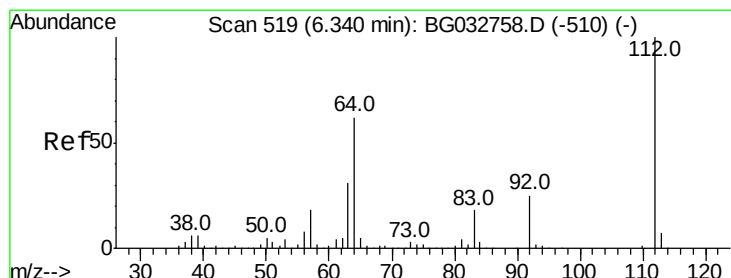
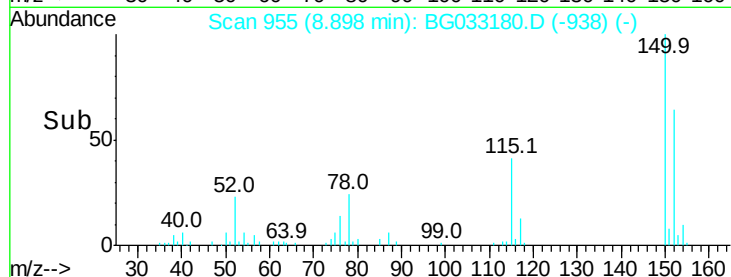
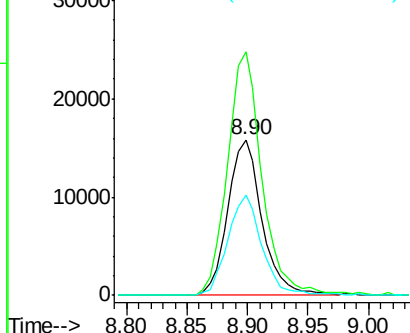
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31237
Ion Ratio Lower Upper
152 100
150 156.5 126.6 189.8
115 64.3 53.0 79.4



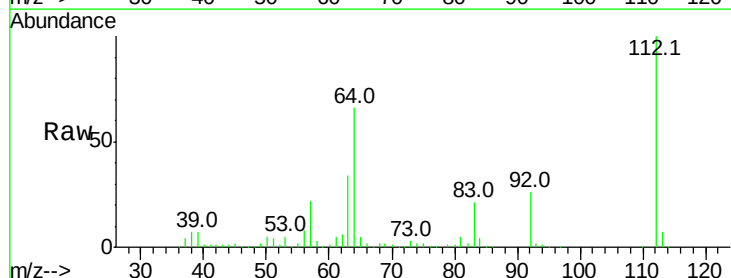
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



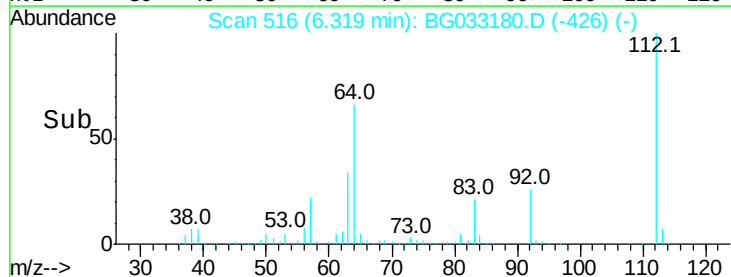
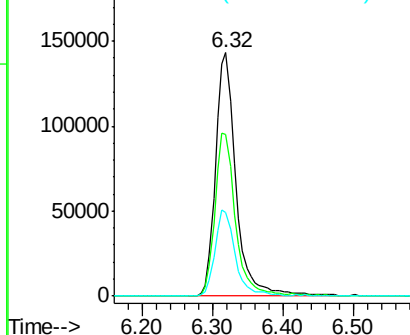
#5

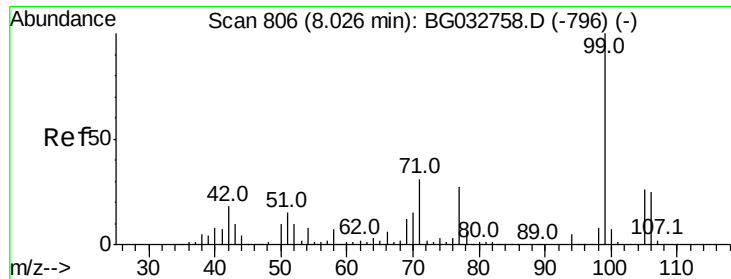
2-Fluorophenol
Concen: 147.696 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

Tgt Ion:112 Resp: 288375
Ion Ratio Lower Upper
112 100
64 66.5 56.3 84.5
63 34.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 128.108 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033180.D

Acq: 15 Mar 2018 17:15

Instrument :

BNA_G

ClientSampled :

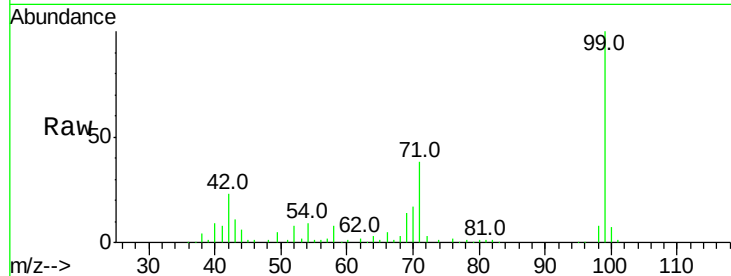
Tot Ion: 99 Resp: 348647

Ion Ratio Lower Upper

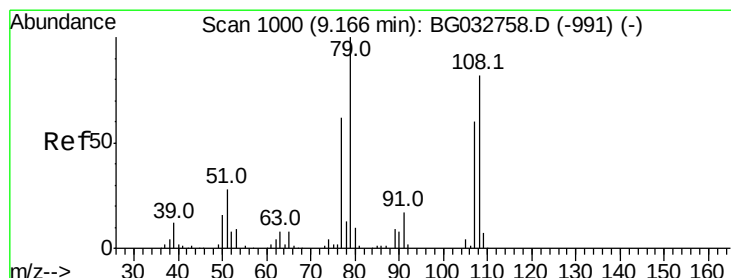
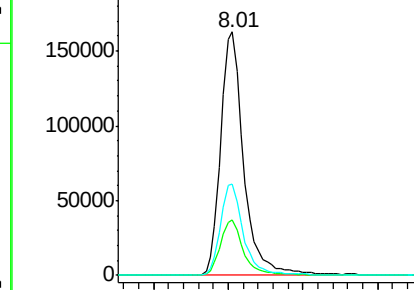
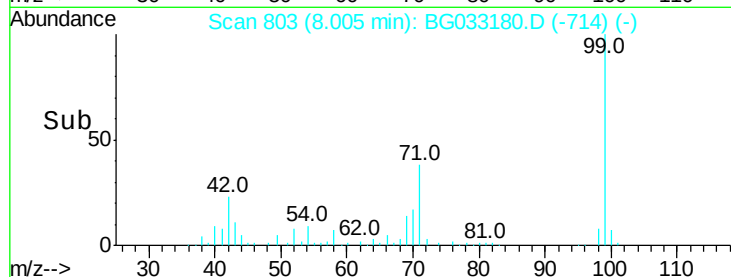
99 100

42 22.8 14.1 21.1#

71 37.7 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: 2.173 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033180.D

Acq: 15 Mar 2018 17:15

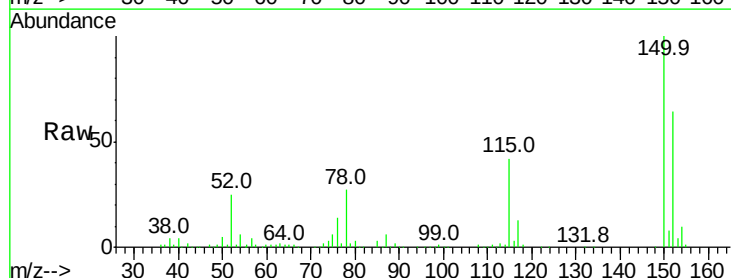
Tgt Ion: 79 Resp: 4347

Ion Ratio Lower Upper

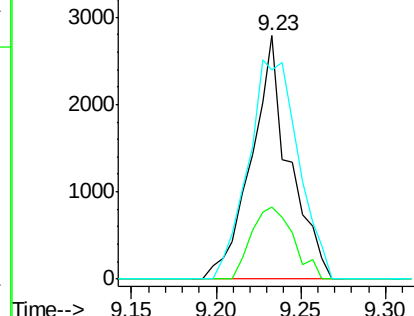
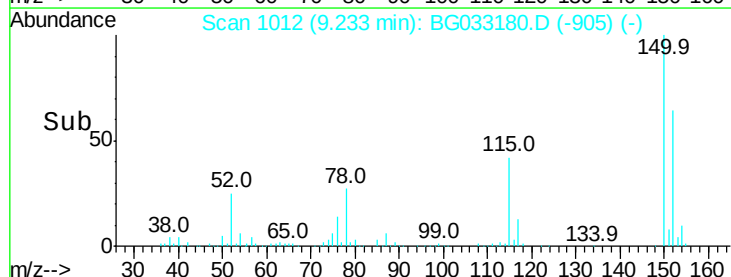
79 100

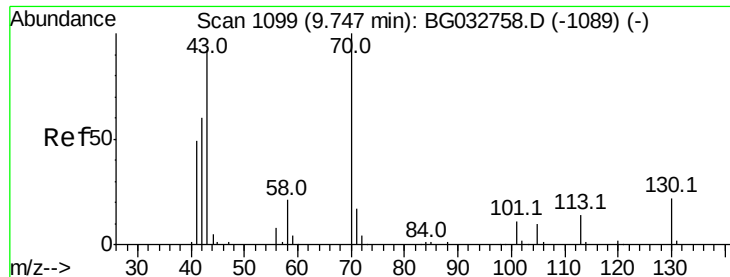
108 29.8 57.2 85.8#

77 85.9 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

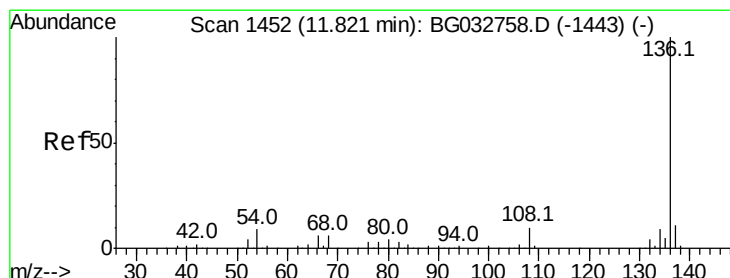
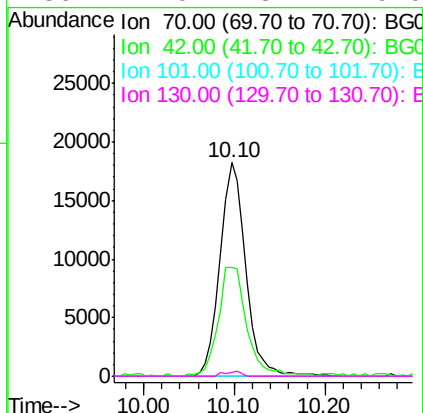
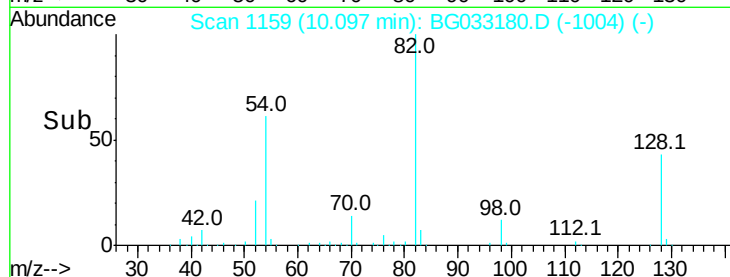
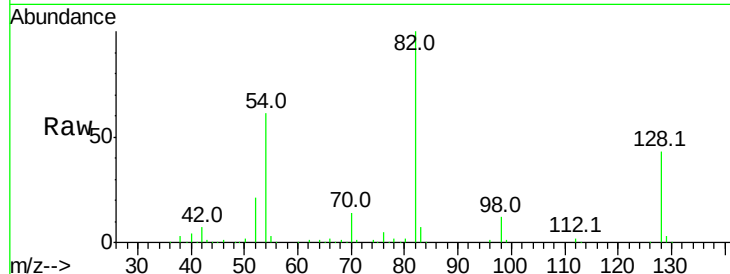




#19
n-Nitroso-di-n-propylamine
Concen: 18.766 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

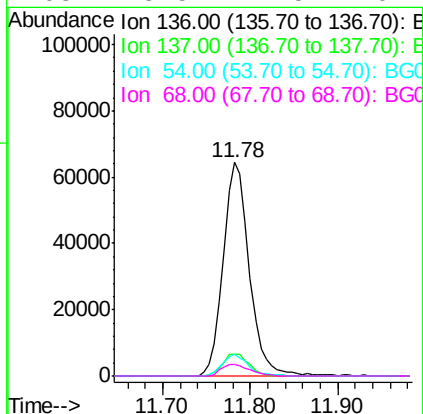
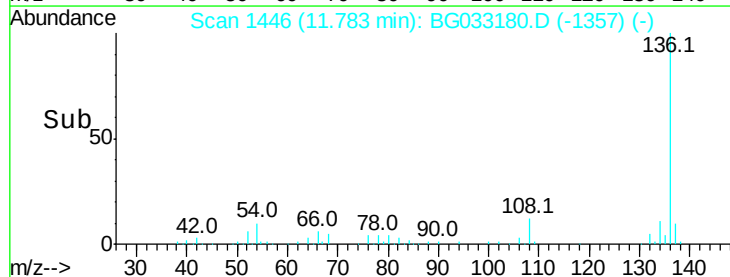
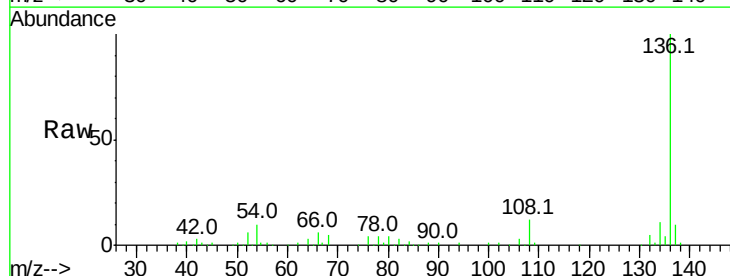
Instrument :
BNA_G
ClientSampleId :

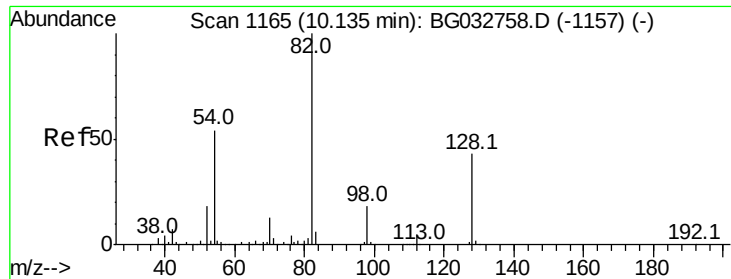
Tot Ion: 70 Resp: 36055
Ion Ratio Lower Upper
70 100
42 51.0 49.1 73.7
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

Tgt Ion: 136 Resp: 132193
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 9.9 10.3 15.5#
68 5.5 4.5 6.7

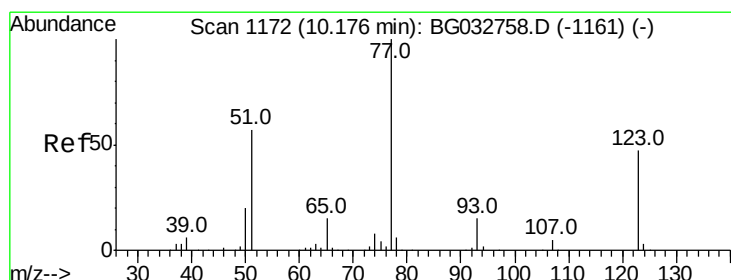
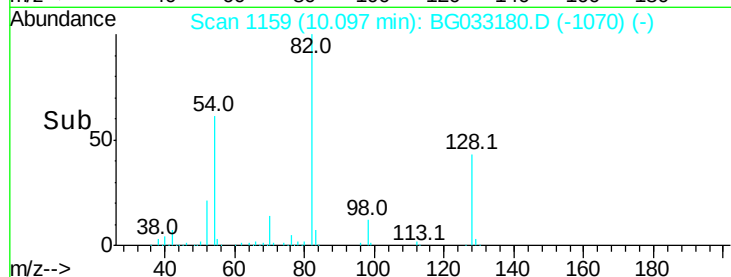
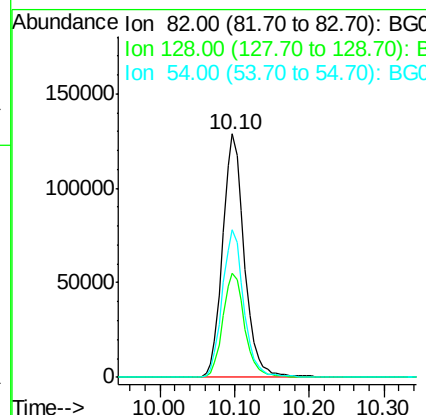
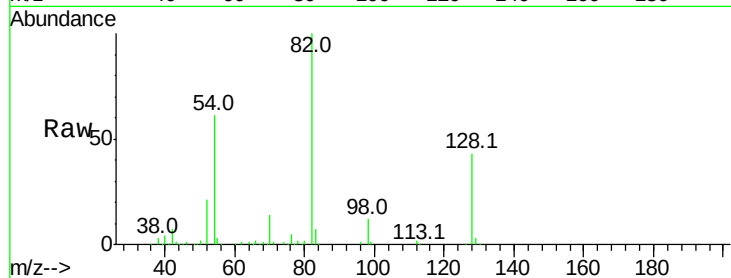




#23
 Nitrobenzene-d5
 Concen: 130.735 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BG033180.D
 Acq: 15 Mar 2018 17:15

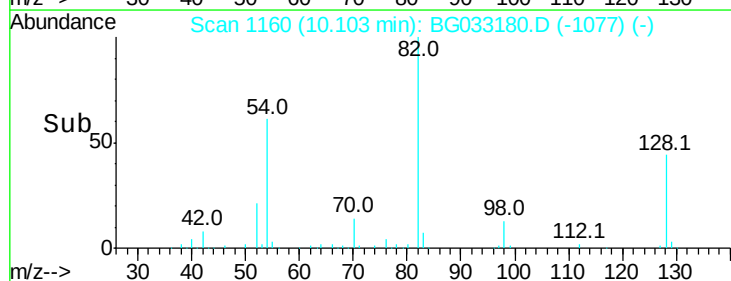
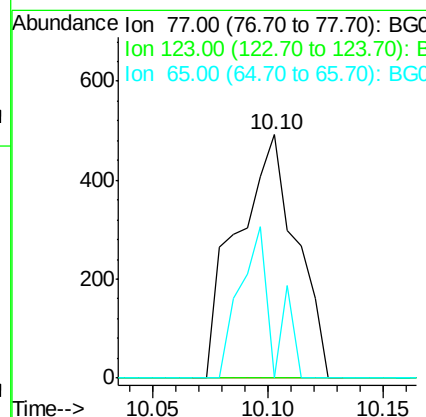
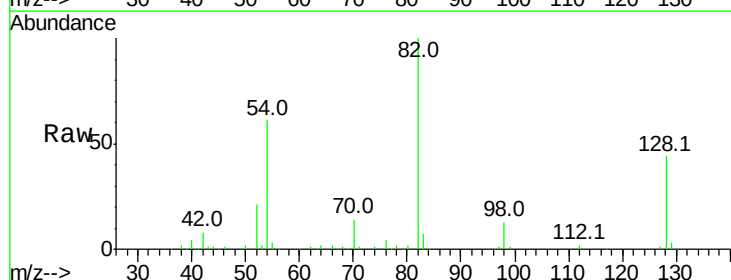
Instrument :
 BNA_G
 ClientSampleId :

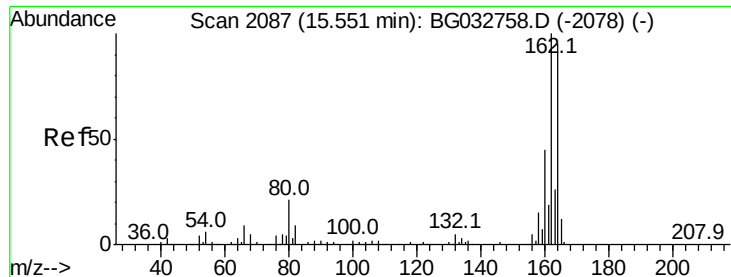
Tot Ion	82	Resp	260542
Ion Ratio	Lower	Upper	
82	100		
128	42.7	29.7	44.5
54	60.9	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.740 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. -0.04 min
 Lab File: BG033180.D
 Acq: 15 Mar 2018 17:15

Tgt Ion	77	Resp	875
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BG033180.D

Acq: 15 Mar 2018 17:15

Instrument :

BNA_G

ClientSampleId :

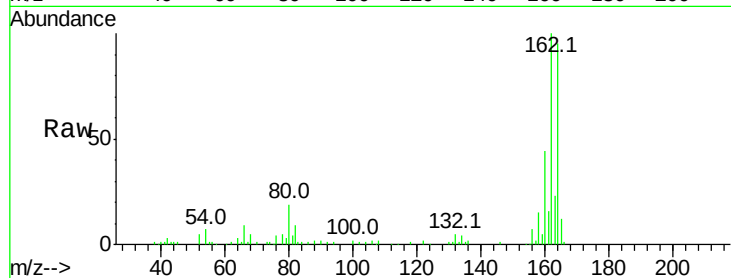
Tot Ion:164 Resp: 79368

Ion Ratio Lower Upper

164 100

162 105.4 78.8 118.2

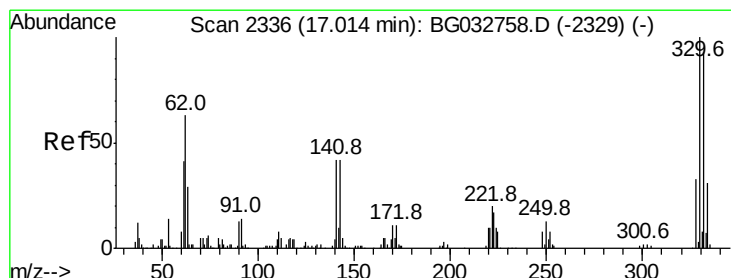
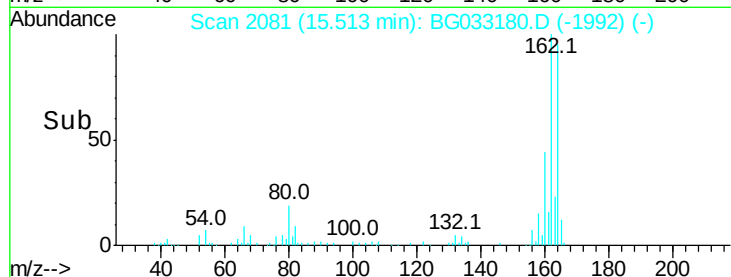
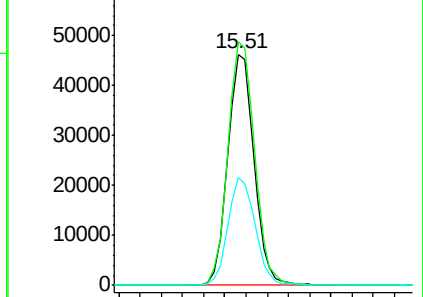
160 46.9 35.4 53.0



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: 260.569 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG033180.D

Acq: 15 Mar 2018 17:15

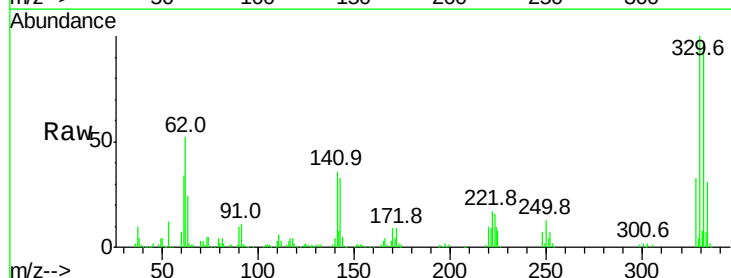
Tgt Ion:330 Resp: 217452

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

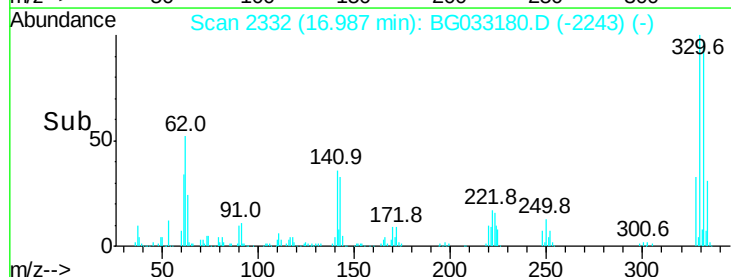
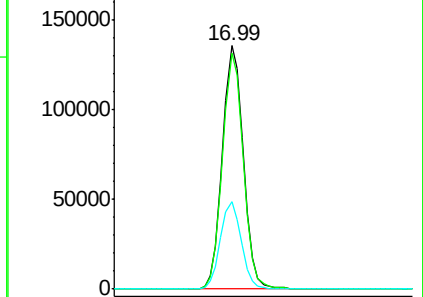
141 36.0 25.2 37.8

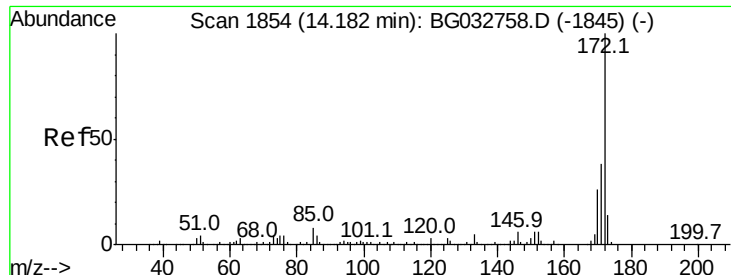


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

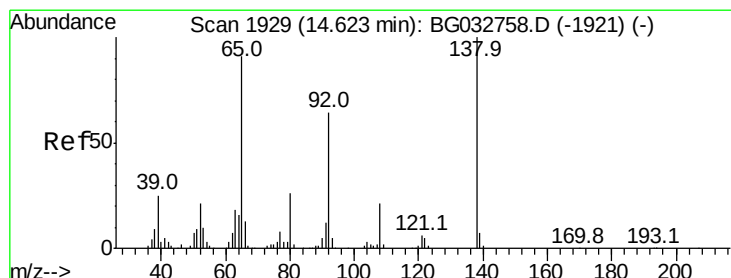
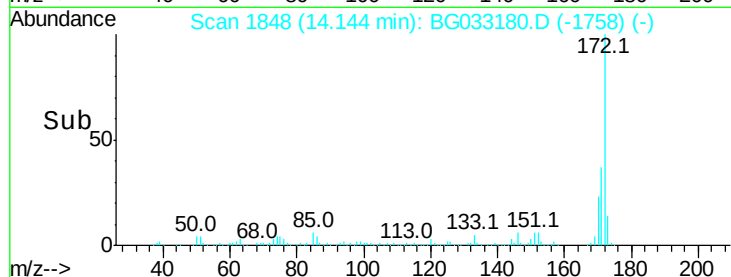
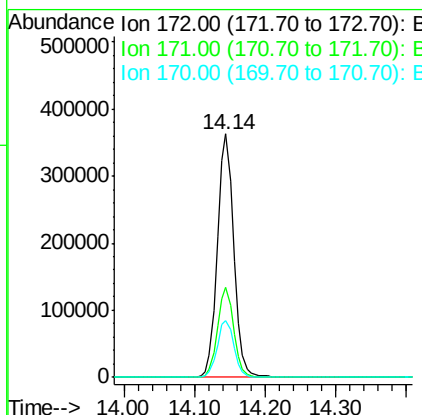
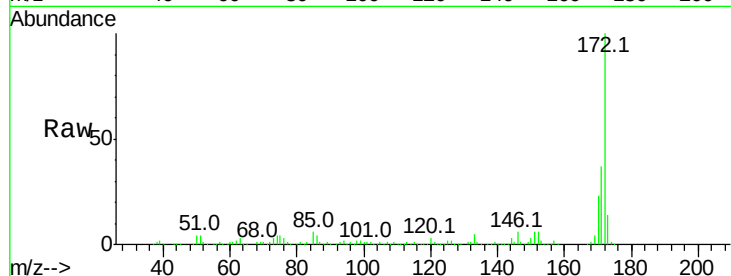




#44
 2-Fluorobiphenyl
 Concen: 106.073 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033180.D
 Acq: 15 Mar 2018 17:15

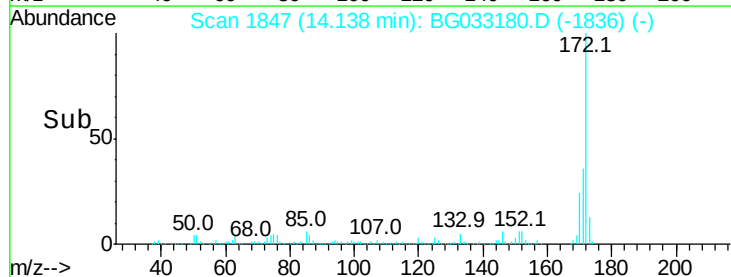
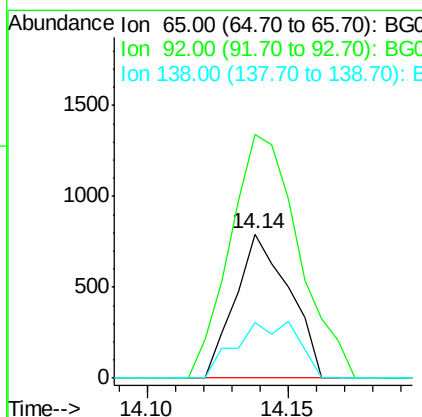
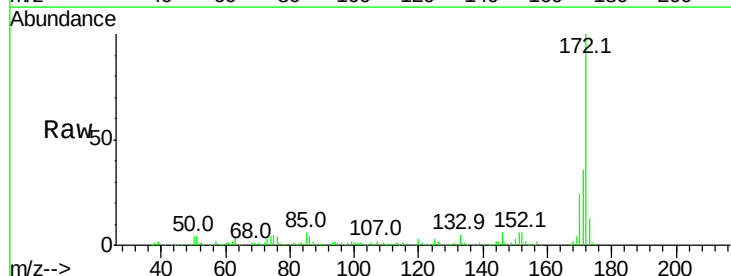
Instrument :
 BNA_G
 ClientSampled :

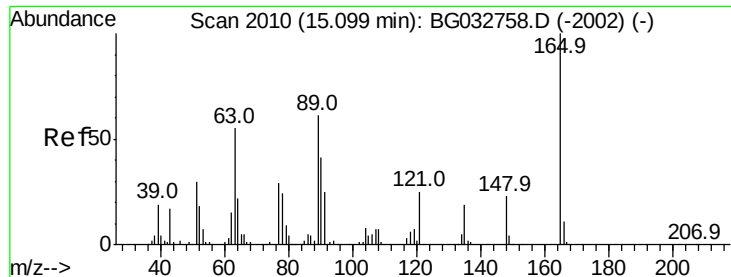
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	23.4	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.475 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.46 min
 Lab File: BG033180.D
 Acq: 15 Mar 2018 17:15

Tgt Ion	Ratio	Lower	Upper
65	100		
92	168.8	54.6	82.0#
138	38.0	72.9	109.3#

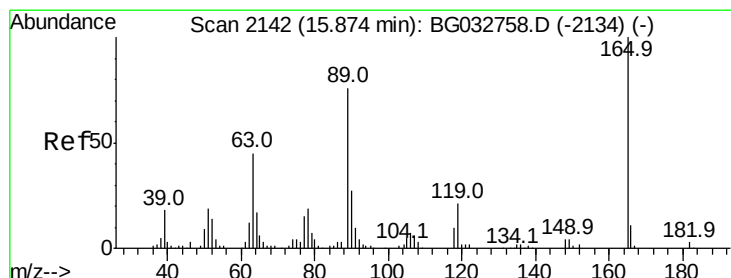
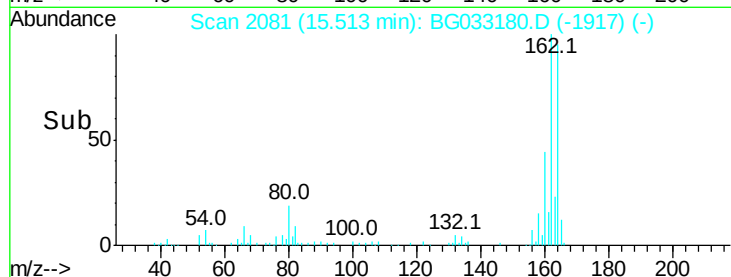
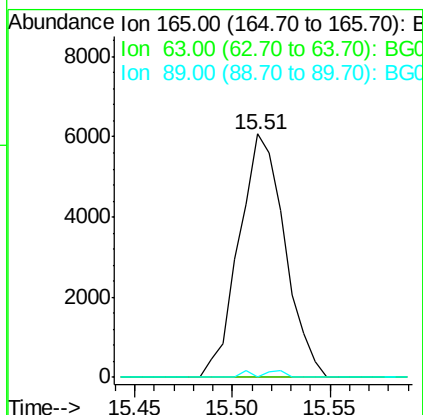
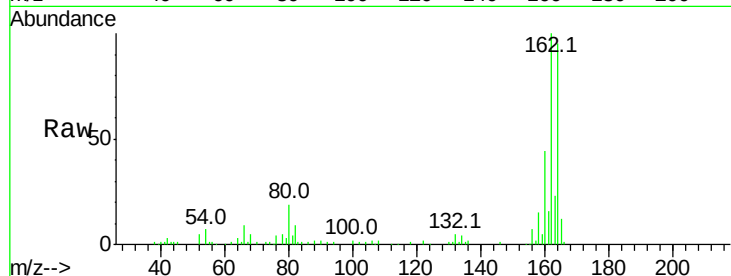




#50
2,6-Dinitrotoluene
Concen: 16.092 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

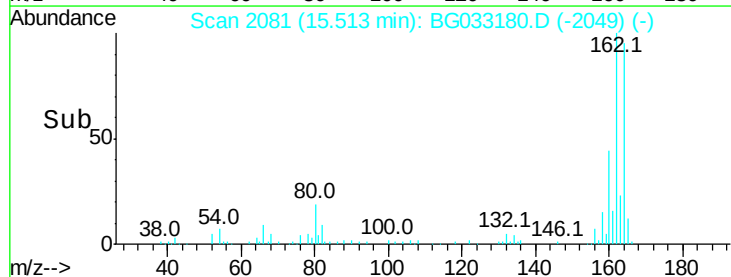
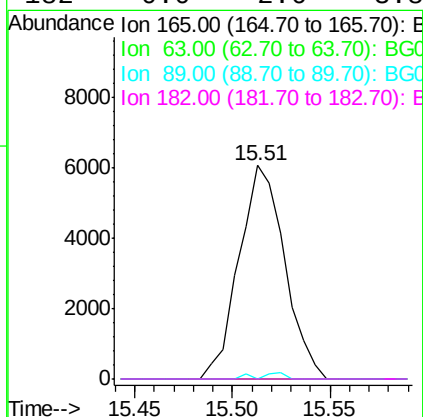
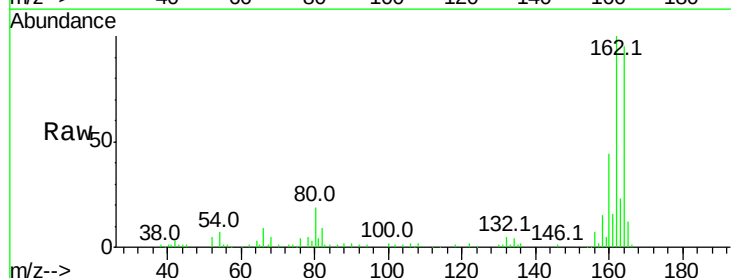
Instrument :
BNA_G
ClientSampleId :

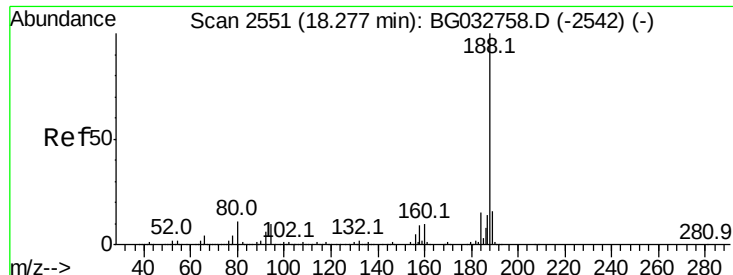
Tot Ion:165 Resp: 9850
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.288 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

Tgt Ion:165 Resp: 9850
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: 18.24 min Scan# 2546

Delta R.T. -0.01 min

Lab File: BG033180.D

Acq: 15 Mar 2018 17:15

Instrument :

BNA_G

ClientSampleId :

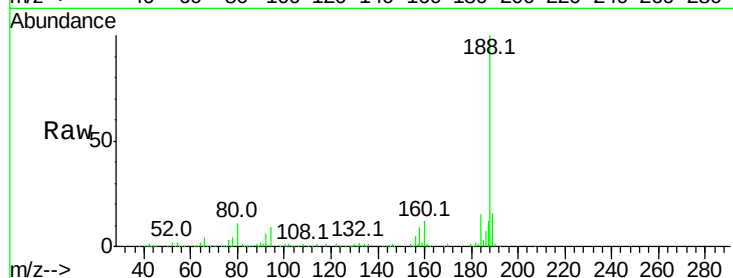
Tot Ion:188 Resp: 208142

Ion Ratio Lower Upper

188 100

94 9.2 6.9 10.3

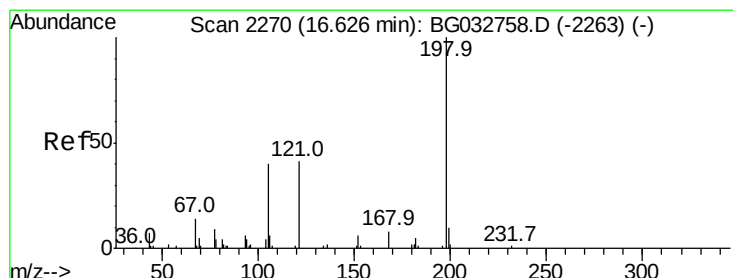
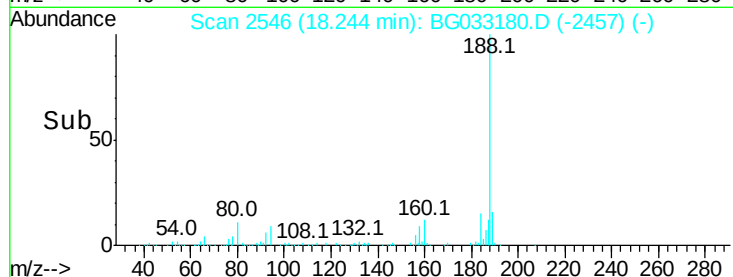
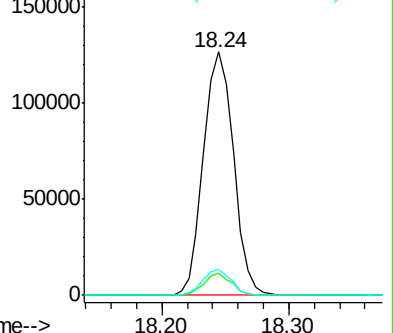
80 10.7 7.7 11.5



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.259 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033180.D

Acq: 15 Mar 2018 17:15

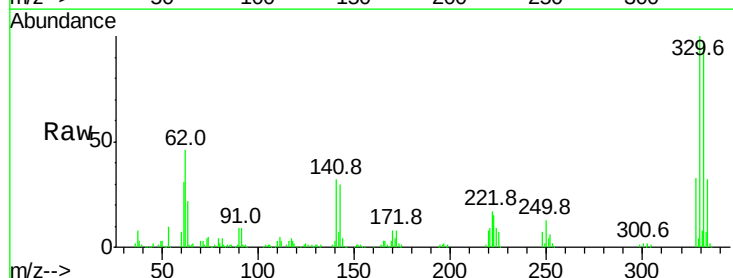
Tgt Ion:198 Resp: 644

Ion Ratio Lower Upper

198 100

51 138.1 30.6 70.6#

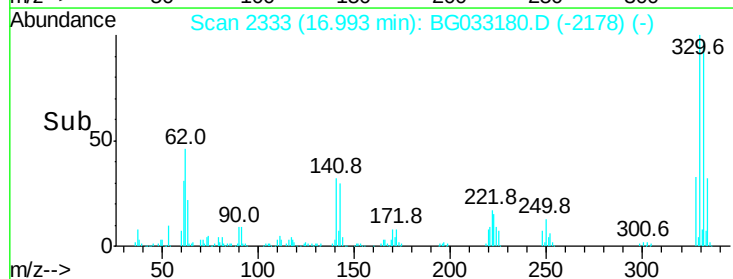
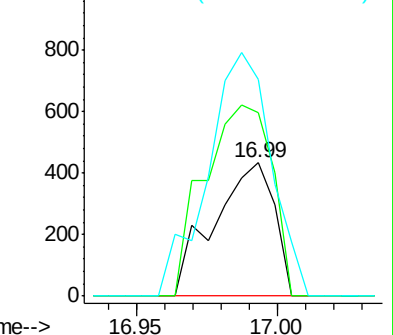
105 162.8 23.8 63.8#

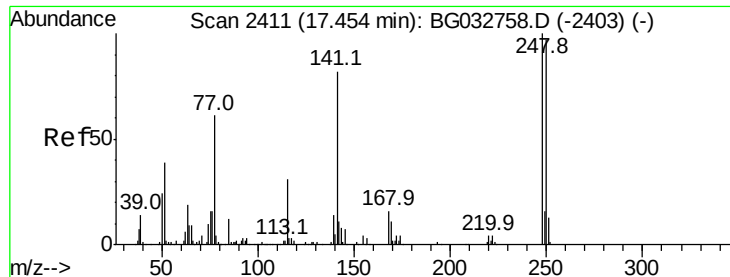


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

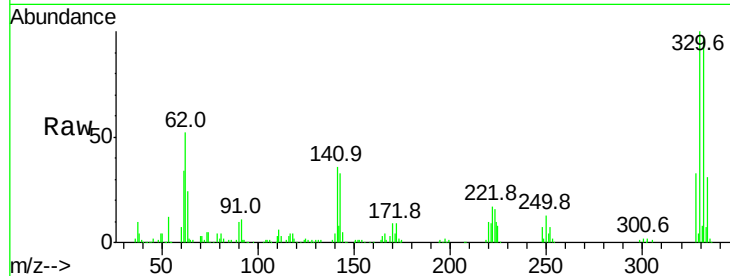




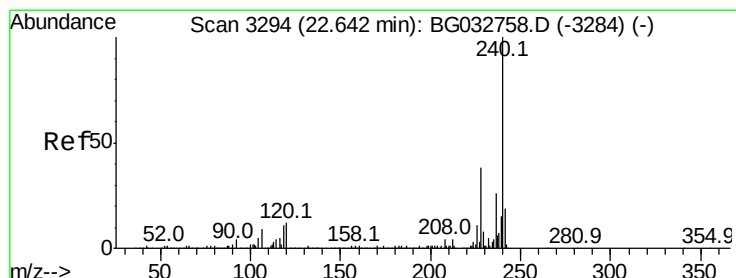
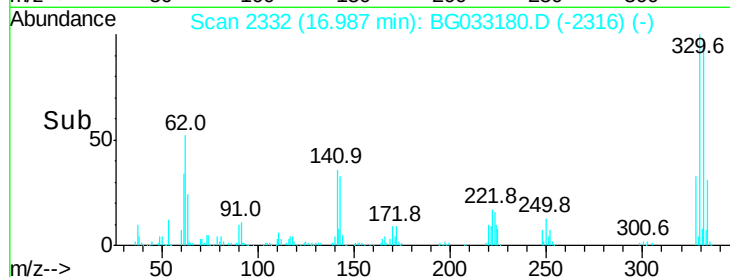
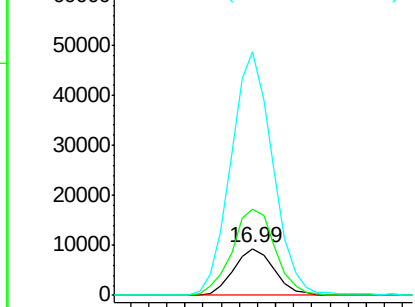
#66
 4-Bromophenyl-phenylether
 Concen: 6.608 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033180.D
 Acq: 15 Mar 2018 17:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14543
 Ion Ratio Lower Upper
 248 100
 250 183.2 77.1 115.7#
 141 521.0 50.8 76.2#

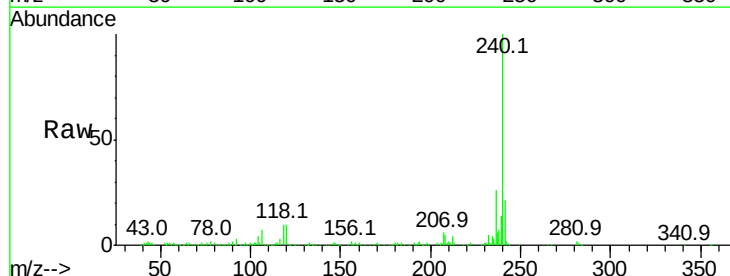


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

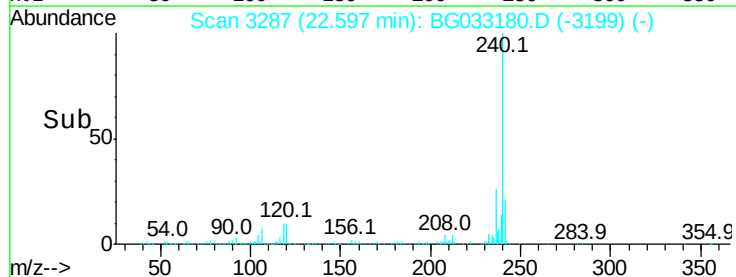
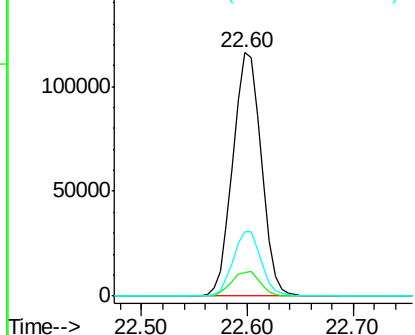


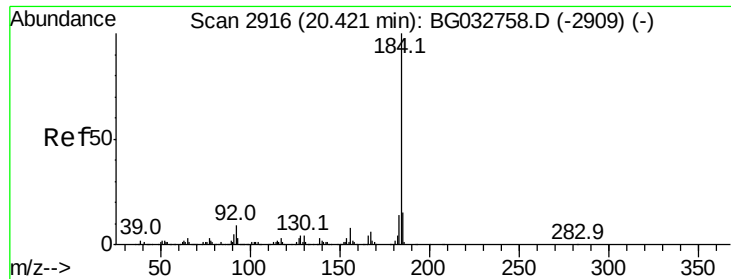
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033180.D
 Acq: 15 Mar 2018 17:15

Tgt Ion:240 Resp: 216453
 Ion Ratio Lower Upper
 240 100
 120 9.8 6.8 10.2
 236 26.5 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

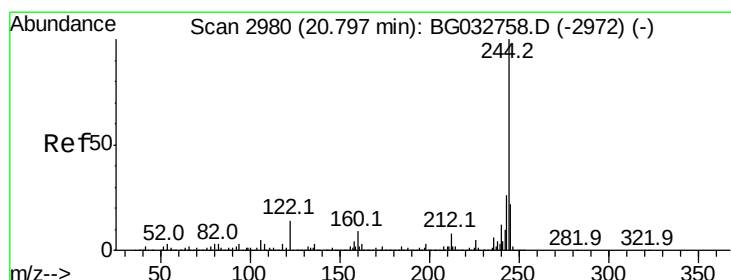
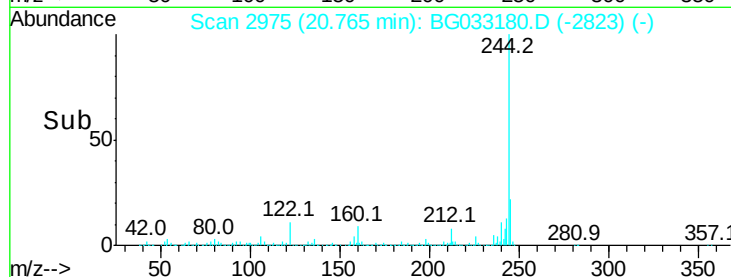
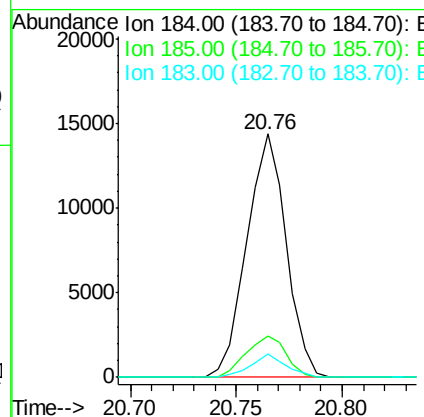
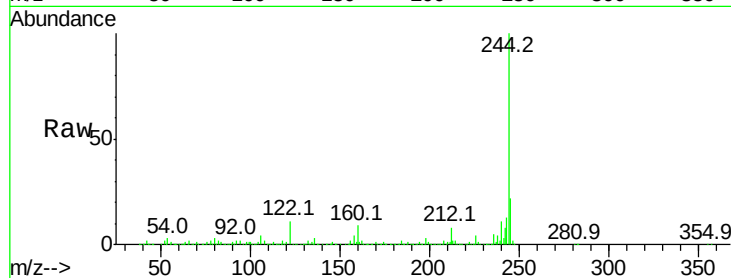




#76
Benzidine
Concen: 2.519 ng
RT: 20.76 min Scan# 2975
Delta R.T. 0.37 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

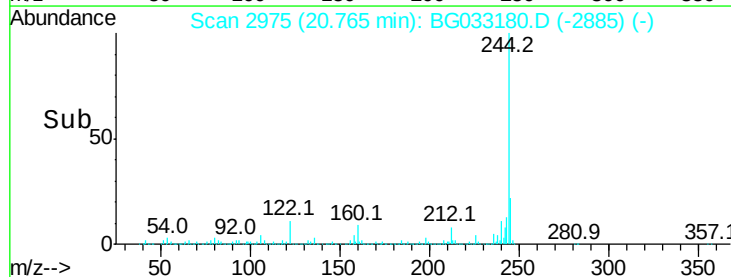
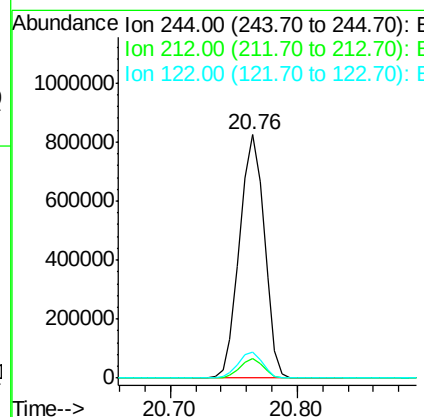
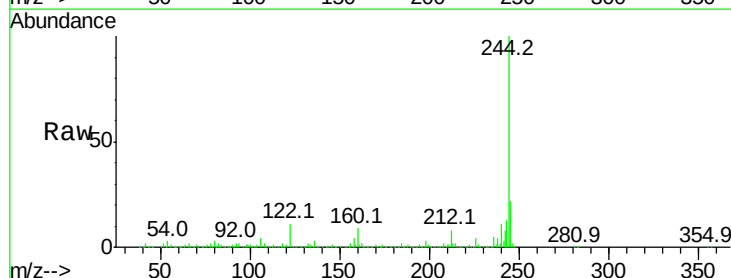
Instrument :
BNA_G
ClientSampleId :

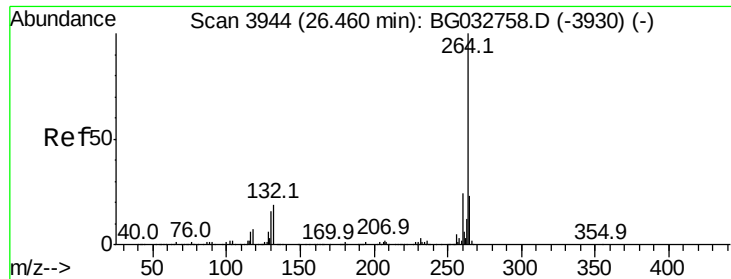
Tot Ion	Ratio	Lower	Upper
184	100		
185	17.1	11.1	16.7#
183	9.6	10.6	16.0#



#78
Terphenyl-d14
Concen: 115.833 ng
RT: 20.76 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	10.6	7.0	10.4#

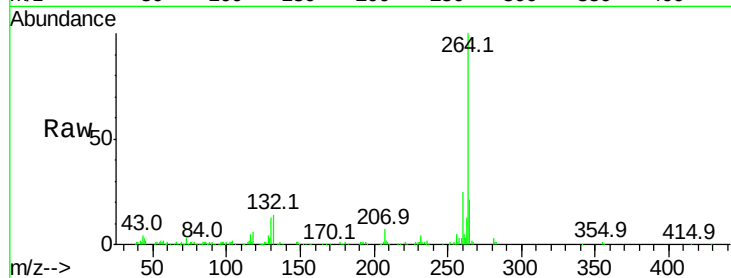




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.01 min
Lab File: BG033180.D
Acq: 15 Mar 2018 17:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	17.4	26.0
265	20.9	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

