

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033141.D
 Acq On : 14 Mar 2018 7:52
 Operator : SJ/JU
 Sample : J1898-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 11:50:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	45753	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	198927	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	109097	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	233894	20.00	ng	0.00
75) Chrysene-d12	22.61	240	221105	20.00	ng	0.00
86) Perylene-d12	26.41	264	192151	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	390950	136.70	ng	0.00
7) Phenol-d6	8.02	99	467314	117.23	ng	0.01
23) Nitrobenzene-d5	10.11	82	362479	121.62	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	119622	104.28	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	752068	99.42	ng	0.00
78) Terphenyl-d14	20.77	244	1087107	110.46	ng	0.00

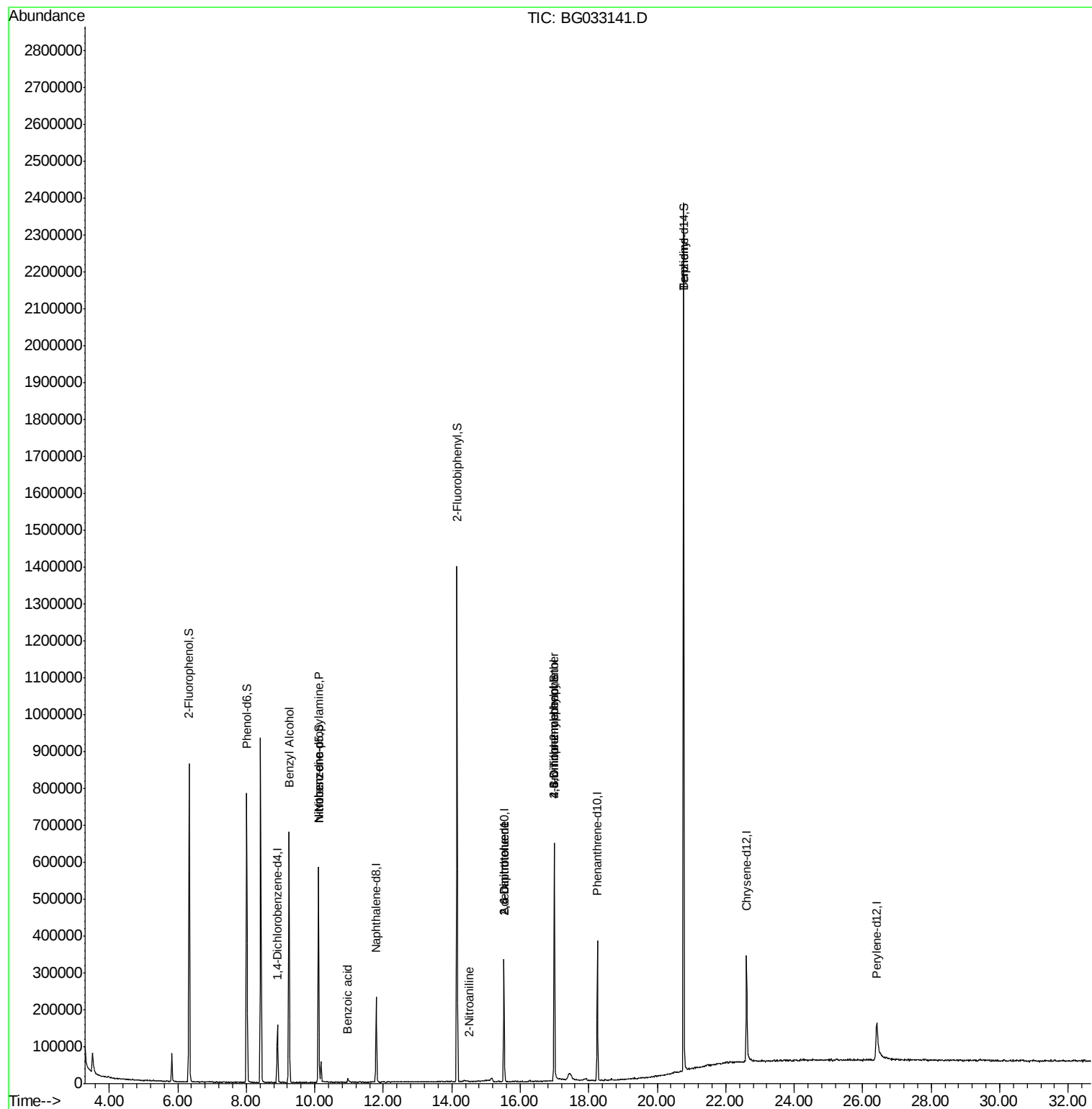
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	5974	2.039	ng	# 36
19) n-Nitroso-di-n-propylamine	10.11	70	49484	17.584	ng	# 82
24) Nitrobenzene	10.11	77	1152	6.695	ng	# 42
32) Benzoic acid	10.97	122	5562	9.310	ng	# 86
47) 2-Nitroaniline	14.51	65	62	9.863	ng	# 9
50) 2,6-Dinitrotoluene	15.52	165	14119	16.400	ng	# 21
56) 2,4-Dinitrotoluene	15.52	165	14119	14.598	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	214	5.338	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	7919	3.202	ng	# 1
76) Benzidine	20.77	184	18525	2.458	ng	# 91

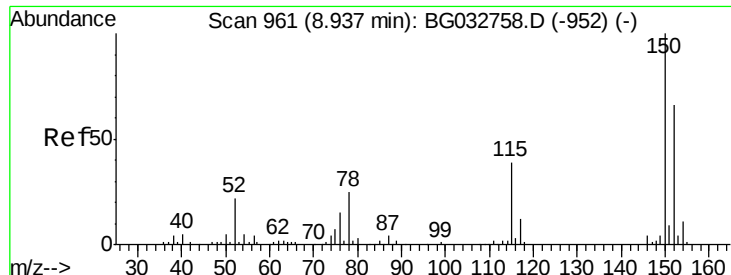
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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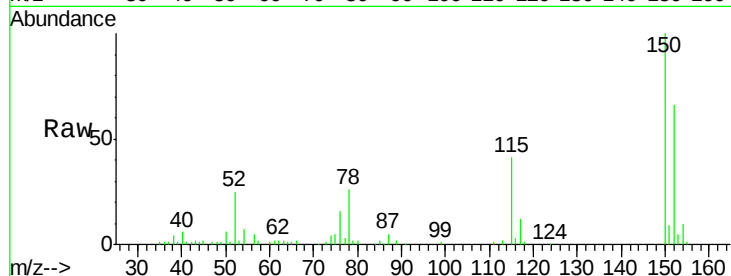


#1

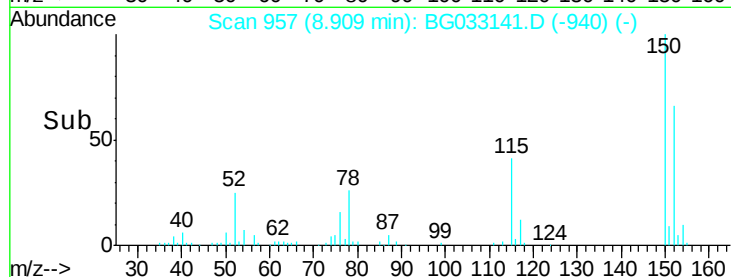
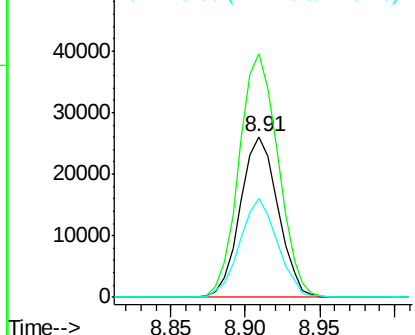
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033141.D
Acq: 14 Mar 2018 7:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 45753
Ion Ratio Lower Upper
152 100
150 151.4 126.6 189.8
115 61.7 53.0 79.4



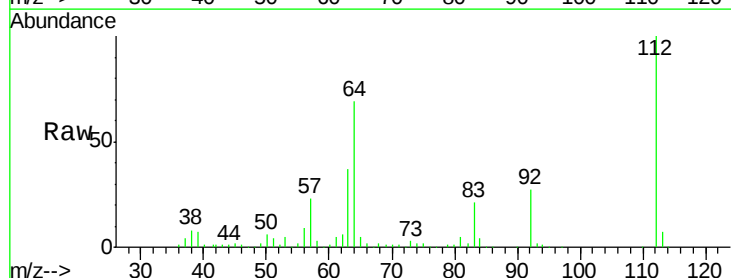
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



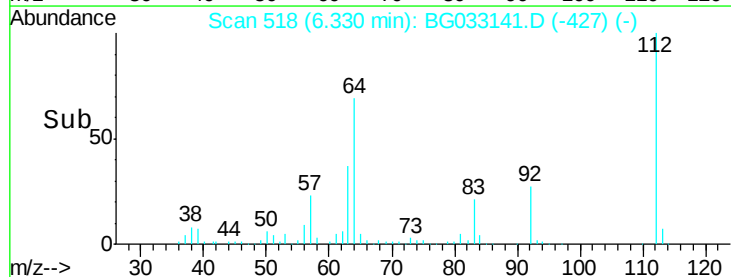
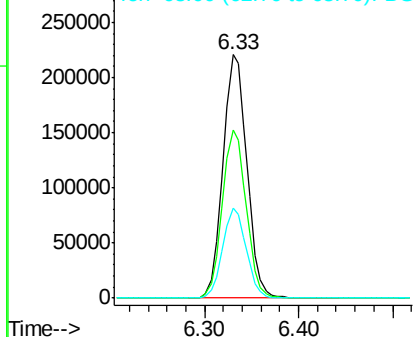
#5

2-Fluorophenol
Concen: 136.704 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033141.D
Acq: 14 Mar 2018 7:52

Tgt Ion:112 Resp: 390950
Ion Ratio Lower Upper
112 100
64 69.1 56.3 84.5
63 37.0 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: 117.233 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

Instrument :

BNA_G

ClientSampleId :

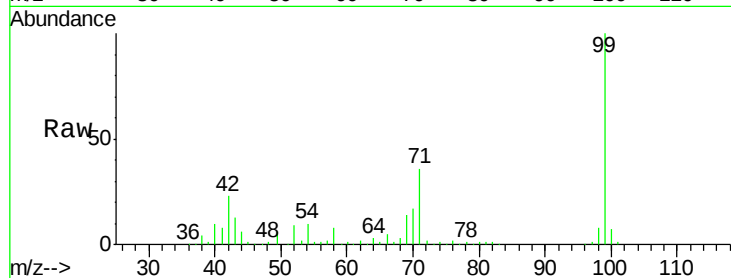
Tot Ion: 99 Resp: 467314

Ion Ratio Lower Upper

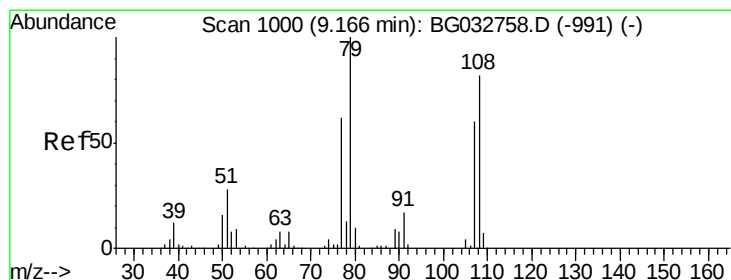
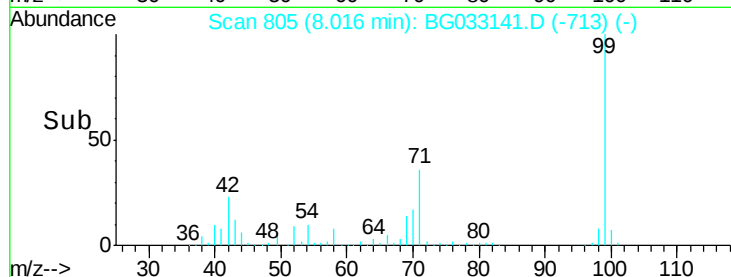
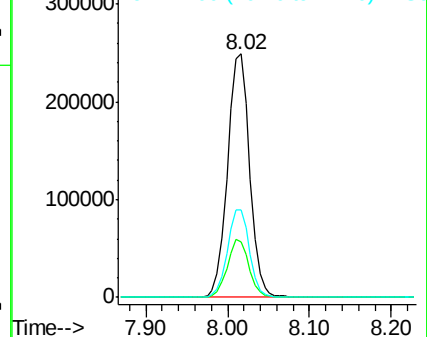
99 100

42 22.7 14.1 21.1#

71 35.8 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: 2.039 ng

RT: 9.24 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

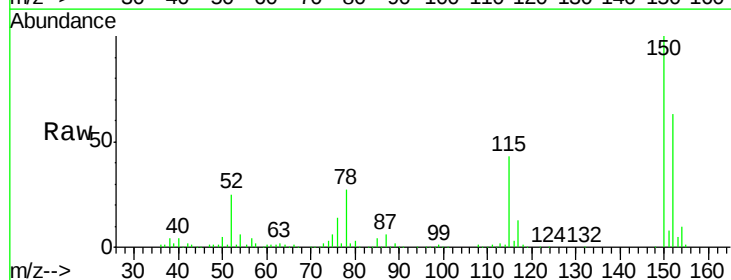
Tgt Ion: 79 Resp: 5974

Ion Ratio Lower Upper

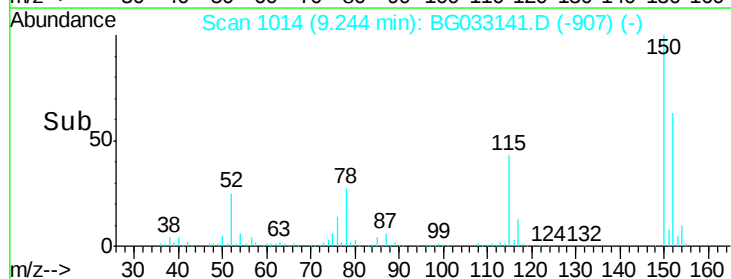
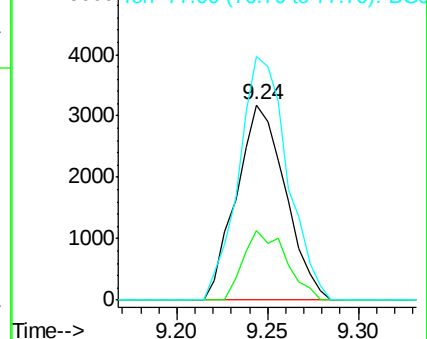
79 100

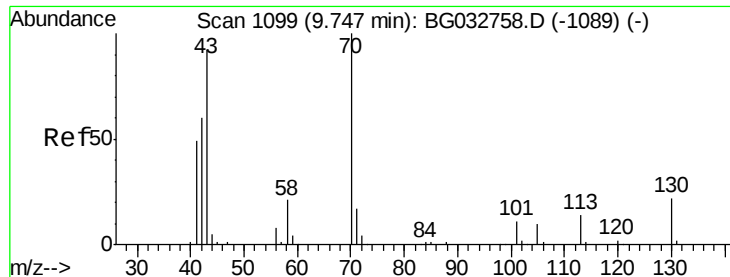
108 35.8 57.2 85.8#

77 124.5 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

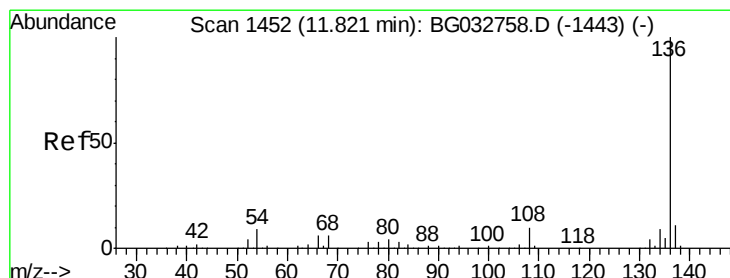
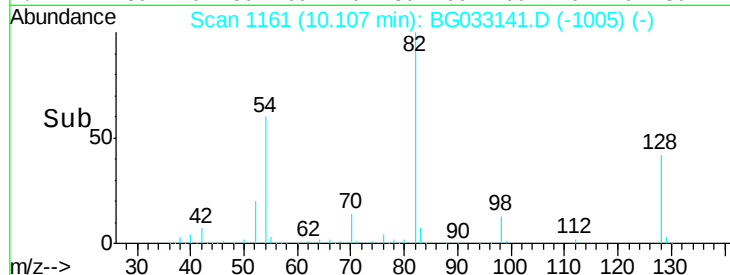
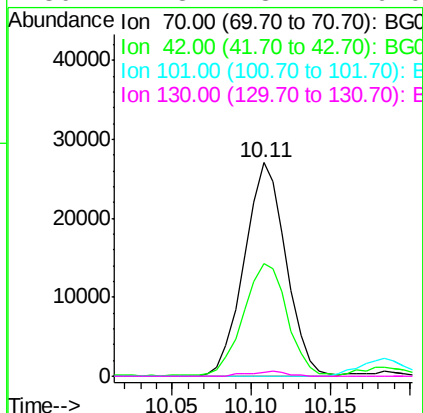
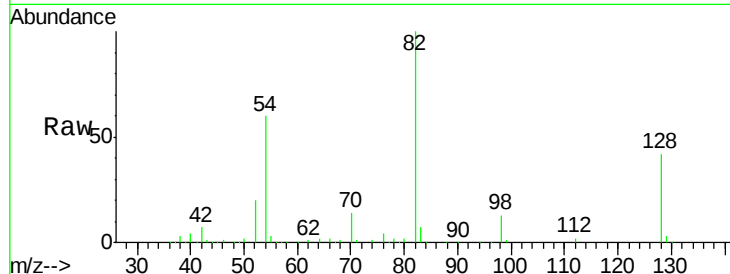




#19
n-Nitroso-di-n-propylamine
Concen: 17.584 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.39 min
Lab File: BG033141.D
Acq: 14 Mar 2018 7:52

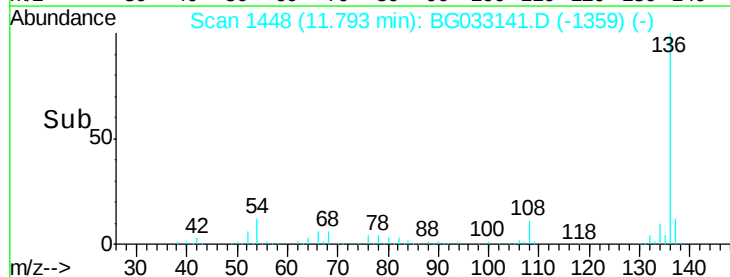
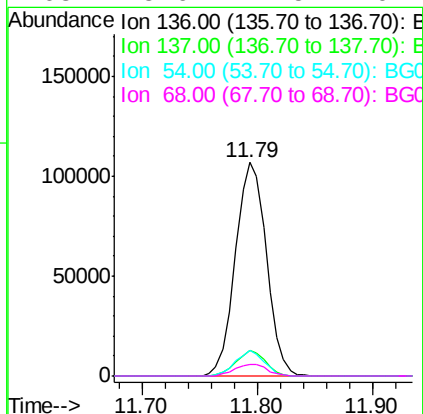
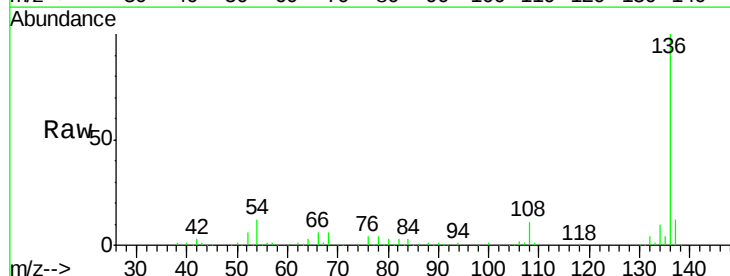
Instrument :
BNA_G
ClientSampleId :

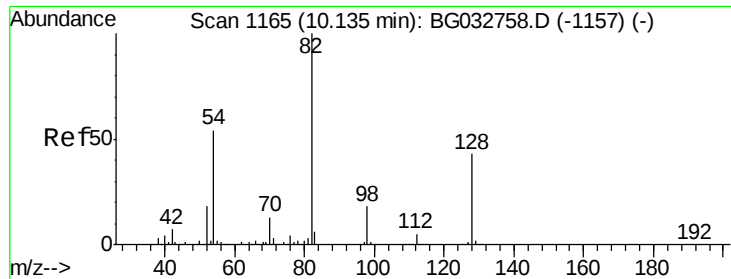
Tot Ion: 70 Resp: 49484
Ion Ratio Lower Upper
70 100
42 52.7 49.1 73.7
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033141.D
Acq: 14 Mar 2018 7:52

Tgt Ion:136 Resp: 198927
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 11.7 10.3 15.5
68 5.6 4.5 6.7

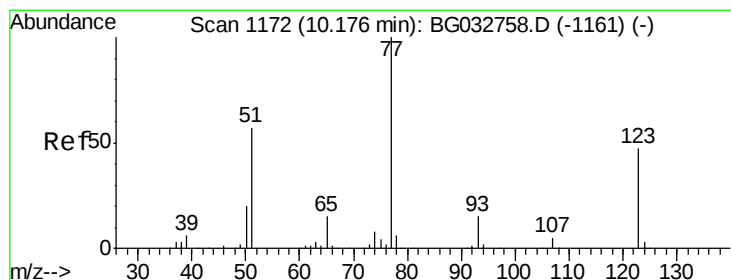
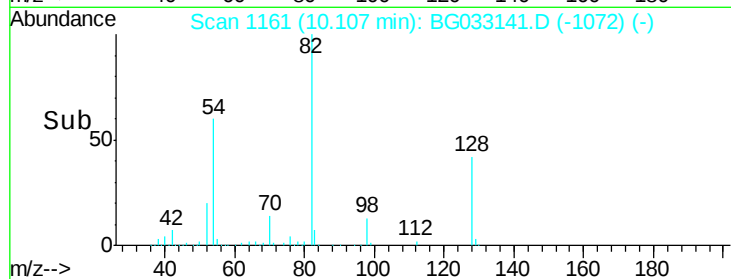
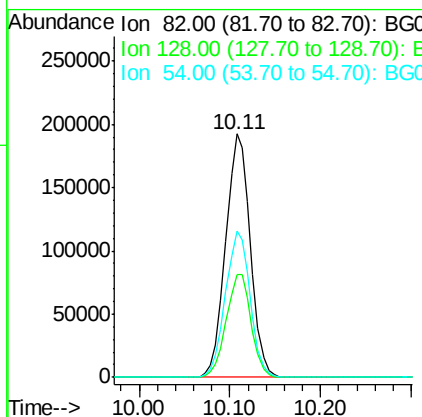
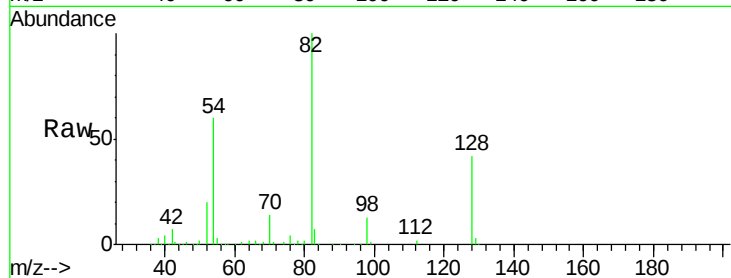




#23
 Nitrobenzene-d5
 Concen: 121.616 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

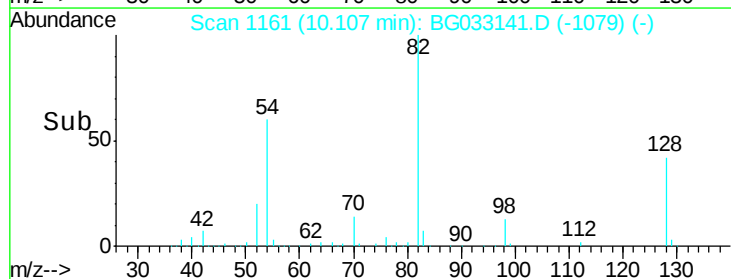
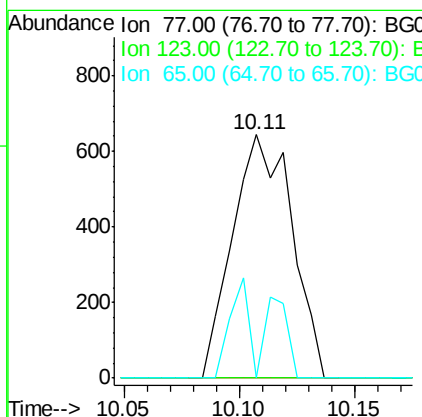
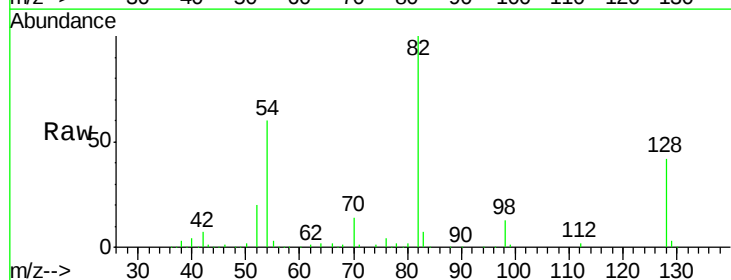
Instrument :
 BNA_G
 ClientSampleId :

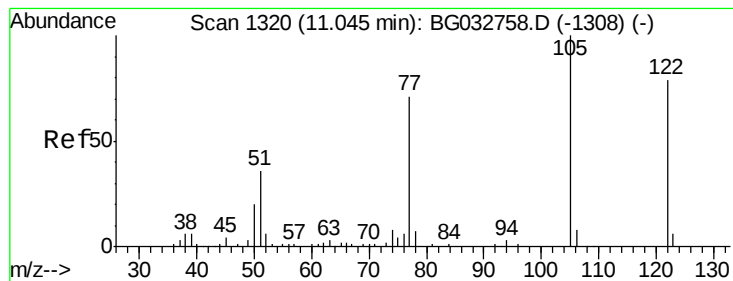
Tot Ion	82	Resp	362479
Ion Ratio	Lower	Upper	
82	100		
128	42.4	29.7	44.5
54	60.2	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.695 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

Tgt Ion	77	Resp	1152
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#





#32

Benzoic acid

Concen: 9.310 ng

RT: 10.97 min Scan# 1307

Delta R.T. -0.06 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

Instrument :

BNA_G

ClientSampleId :

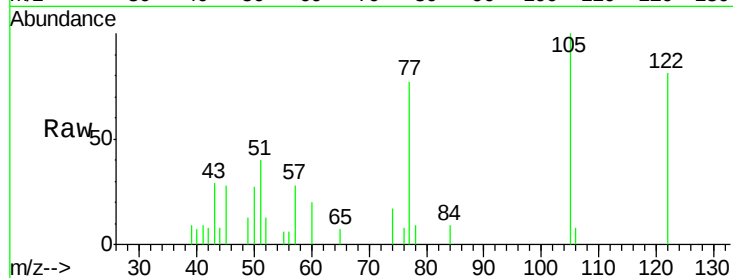
Tot Ion:122 Resp: 5562

Ion Ratio Lower Upper

122 100

105 123.6 123.5 163.5

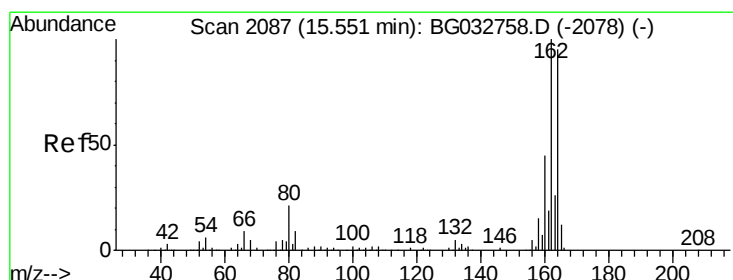
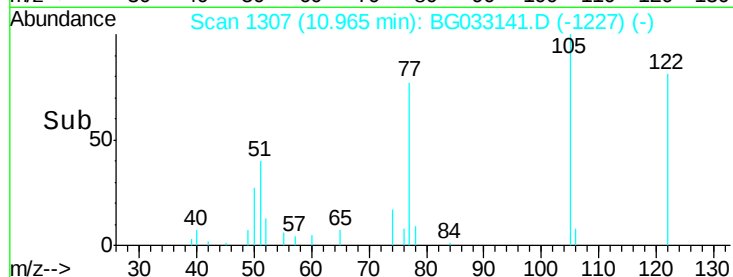
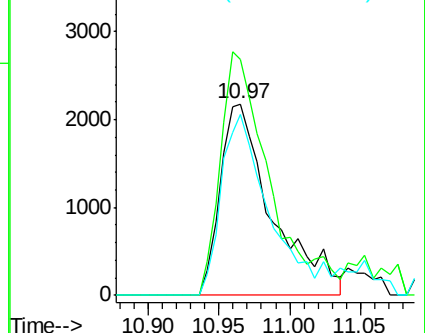
77 94.8 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

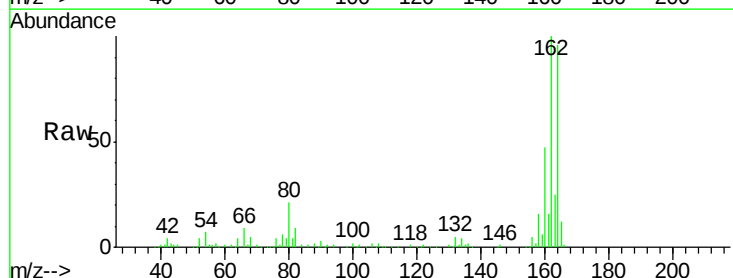
Tgt Ion:164 Resp: 109097

Ion Ratio Lower Upper

164 100

162 104.5 78.8 118.2

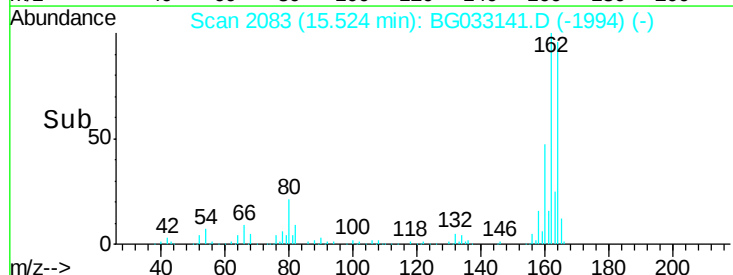
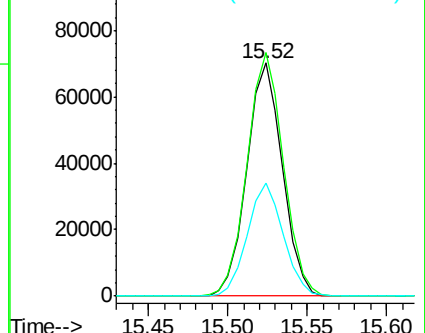
160 48.8 35.4 53.0

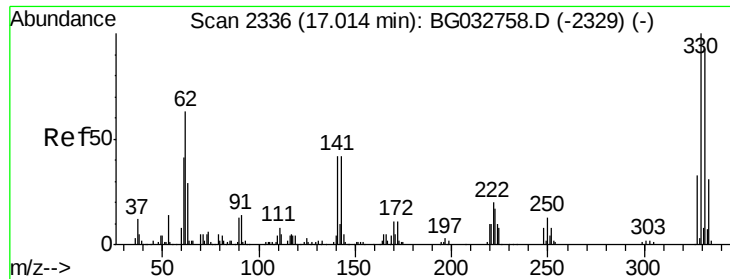


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

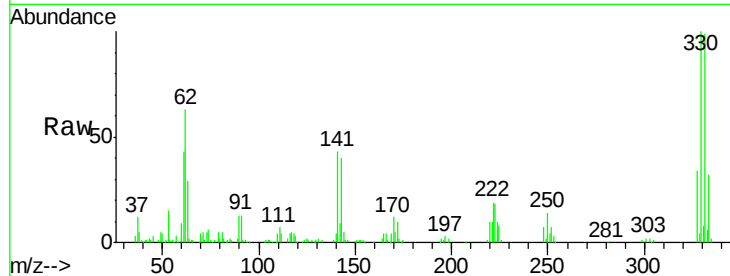




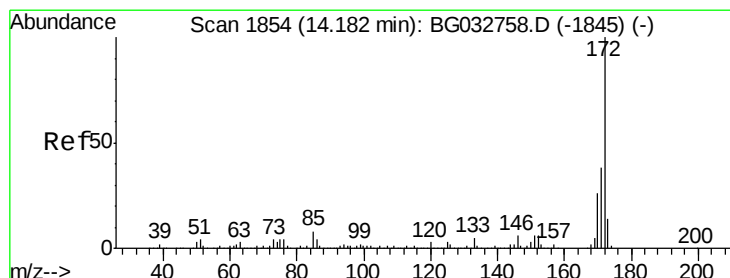
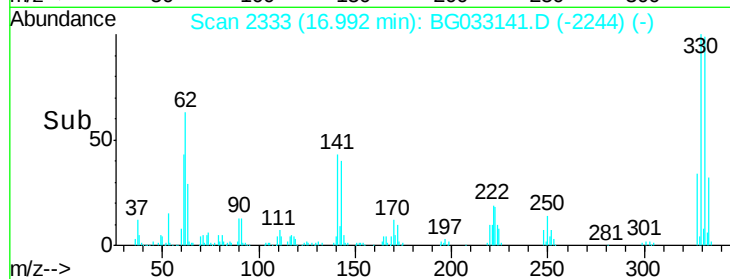
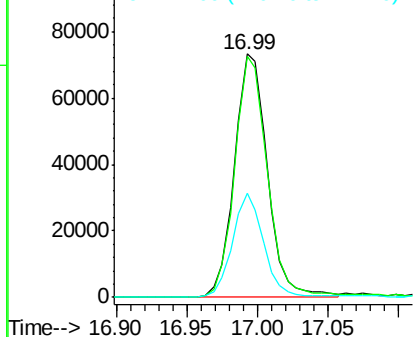
#41
 2,4,6-Tribromophenol
 Concen: 104.281 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.0	115.6
141	40.7	25.2	37.8#

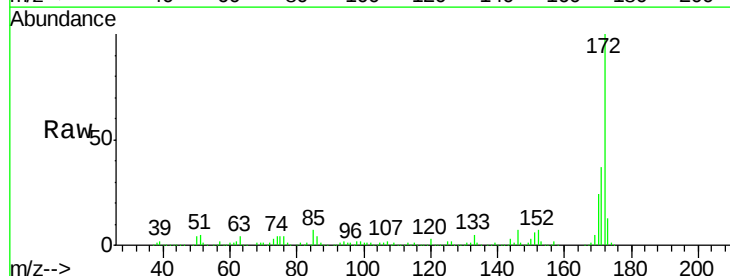


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

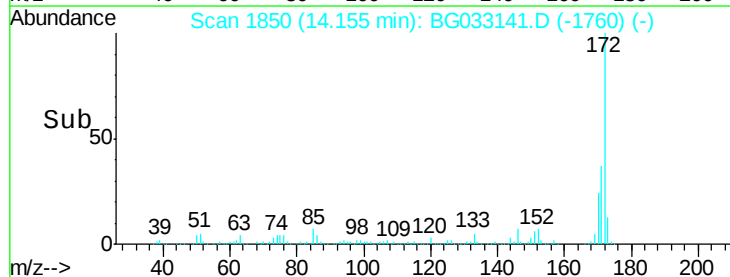
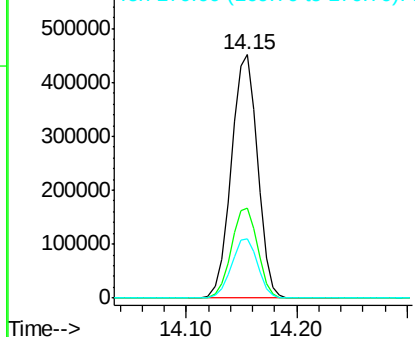


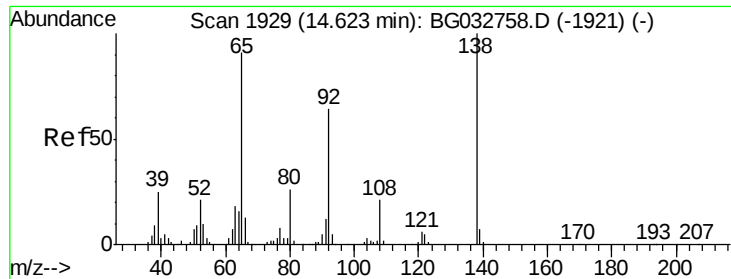
#44
 2-Fluorobiphenyl
 Concen: 99.423 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	24.3	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

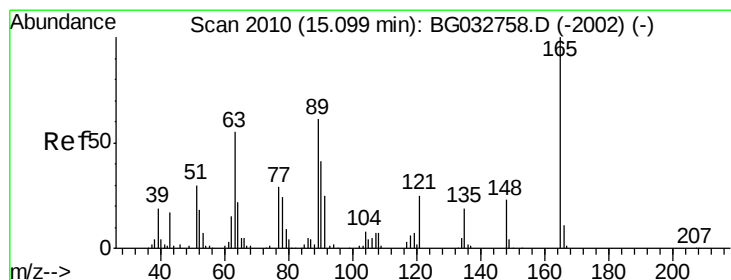
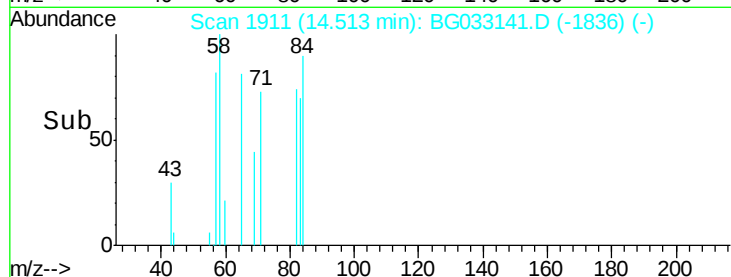
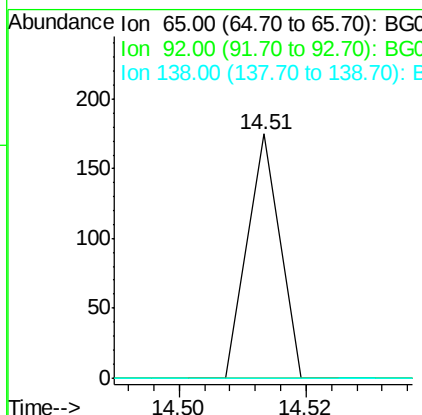
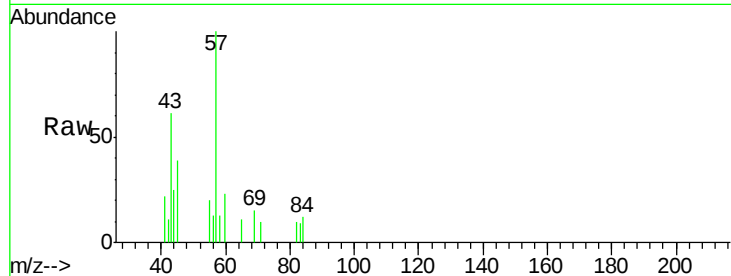




#47
2-Nitroaniline
Concen: 9.863 ng
RT: 14.51 min Scan# 1911
Delta R.T. -0.09 min
Lab File: BG033141.D
Acq: 14 Mar 2018 7:52

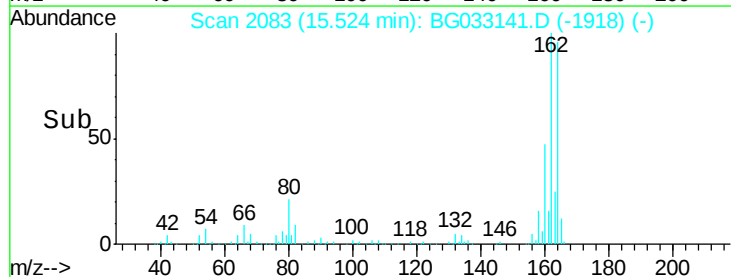
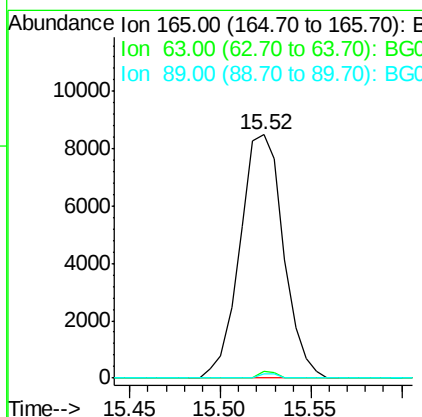
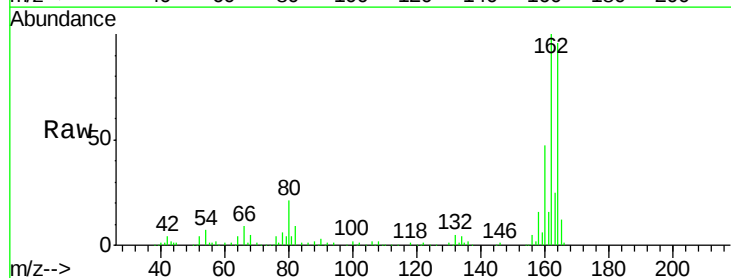
Instrument :
BNA_G
ClientSampleId :

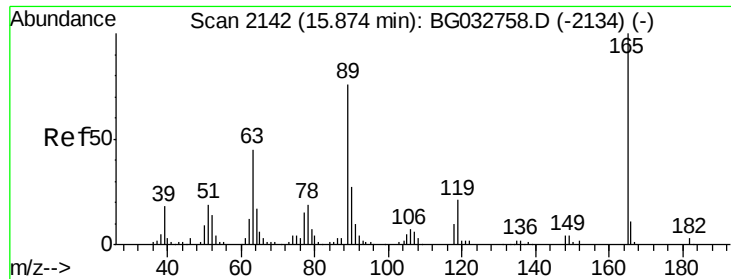
Tot Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.400 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033141.D
Acq: 14 Mar 2018 7:52

Tgt Ion:165 Resp: 14119
Ion Ratio Lower Upper
165 100
63 2.8 52.7 79.1#
89 1.8 49.2 73.8#

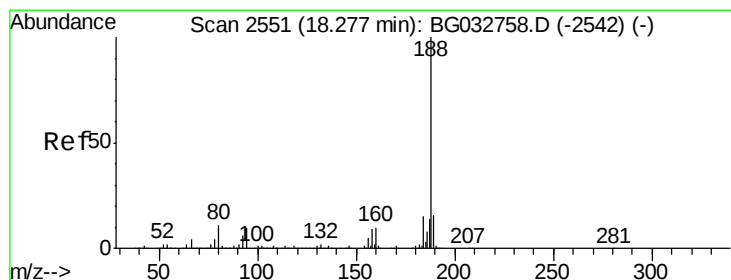
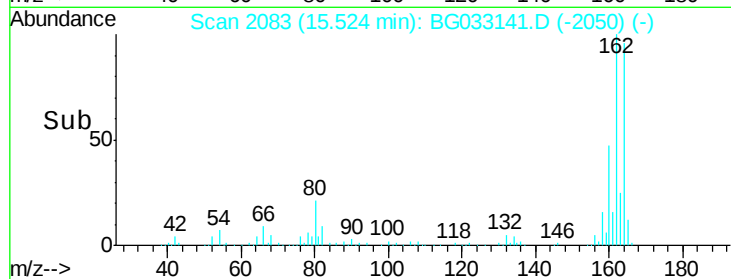
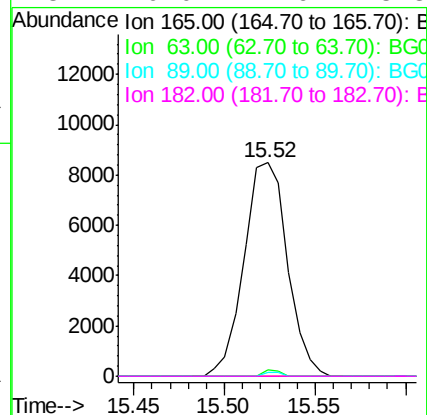
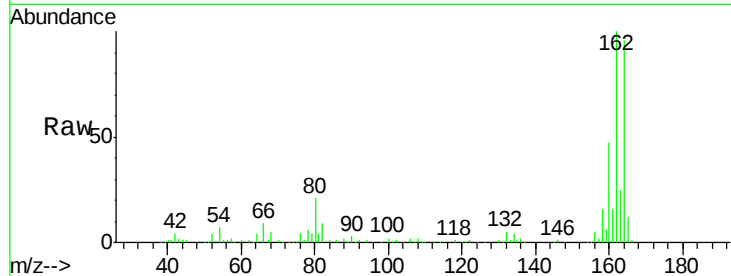




#56
 2,4-Dinitrotoluene
 Concen: 14.598 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.34 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

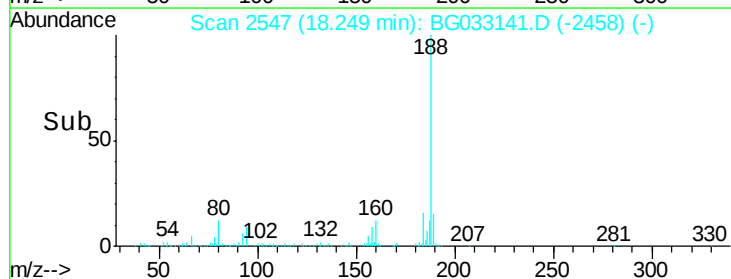
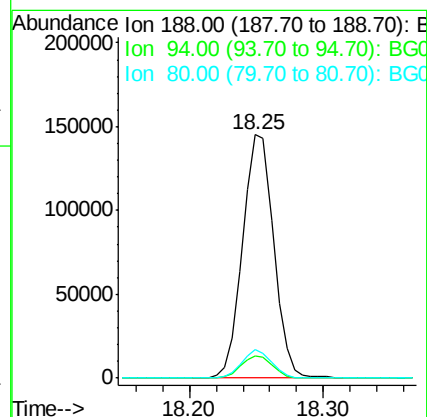
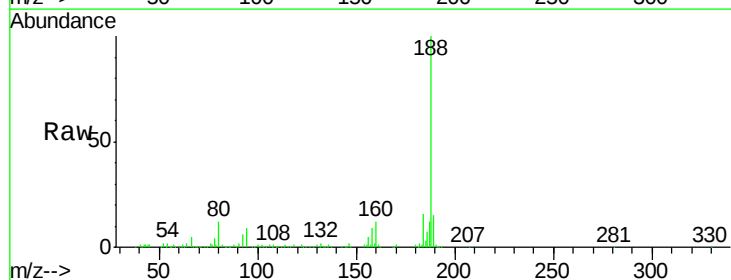
Instrument :
 BNA_G
 ClientSampleId :

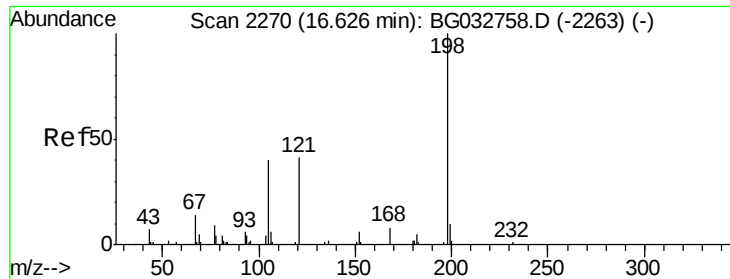
Tot Ion:165	Resp:	14119
Ion Ratio	Lower	Upper
165 100		
63 2.8	42.0	63.0#
89 1.8	66.9	100.3#
182 0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

Tgt	Ion:188	Resp:	233894
Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.9	10.3
80	11.9	7.7	11.5#

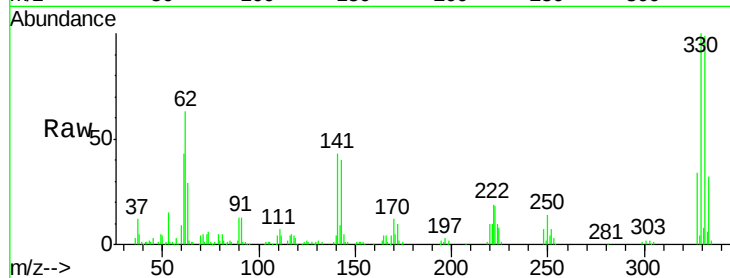




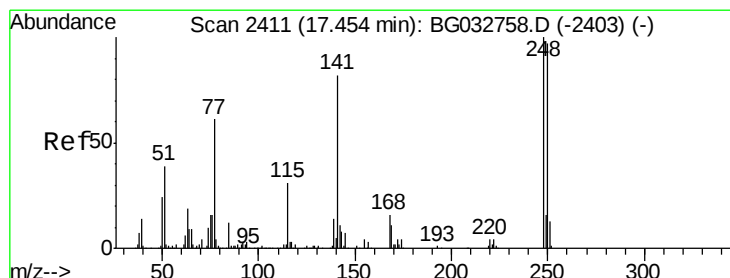
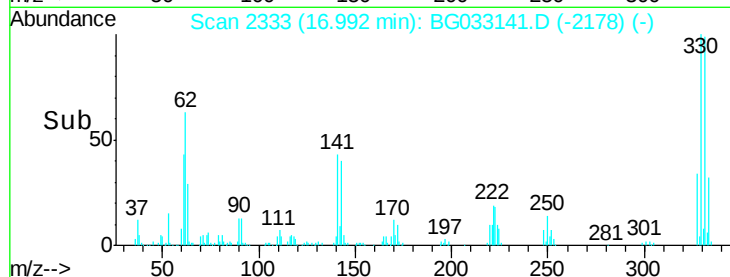
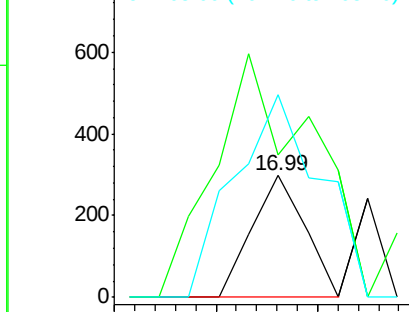
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.338 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 214
 Ion Ratio Lower Upper
 198 100
 51 117.4 30.6 70.6#
 105 166.8 23.8 63.8#

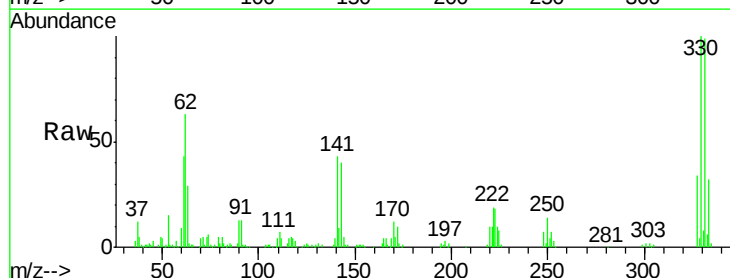


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

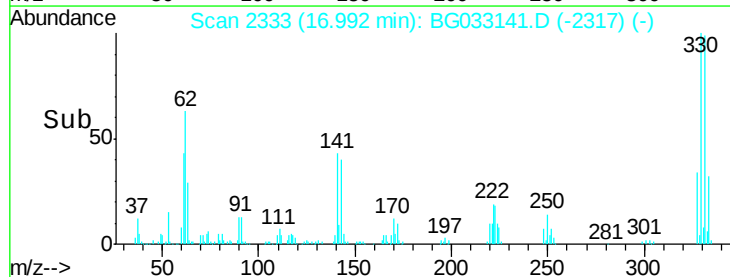
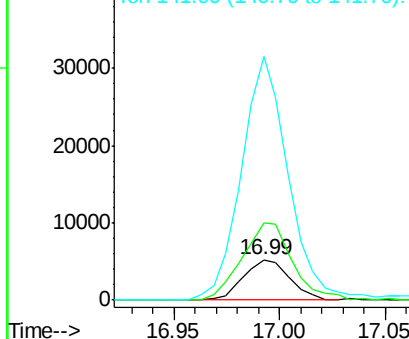


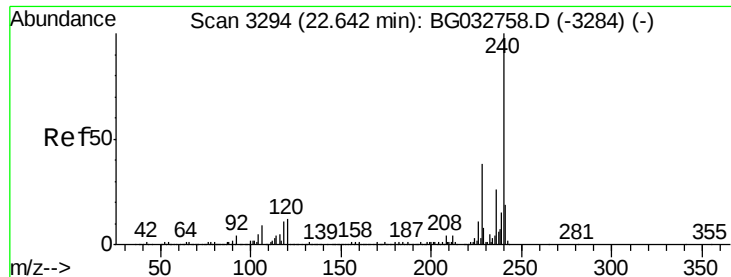
#66
 4-Bromophenyl-phenylether
 Concen: 3.202 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033141.D
 Acq: 14 Mar 2018 7:52

Tgt Ion:248 Resp: 7919
 Ion Ratio Lower Upper
 248 100
 250 188.7 77.1 115.7#
 141 597.8 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: 22.61 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

Instrument :

BNA_G

ClientSampleId :

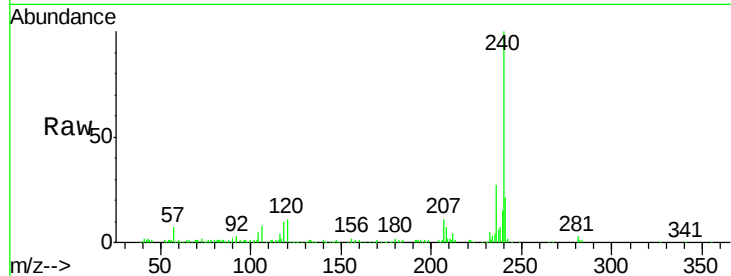
Tot Ion:240 Resp: 221105

Ion Ratio Lower Upper

240 100

120 10.6 6.8 10.2#

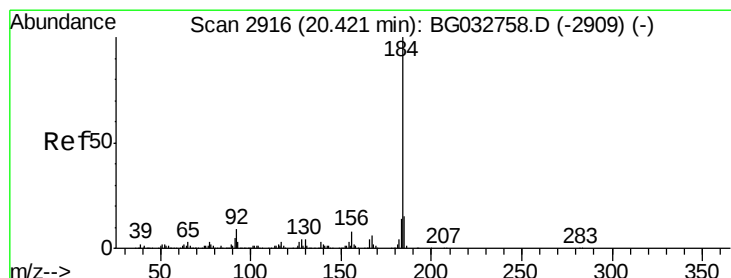
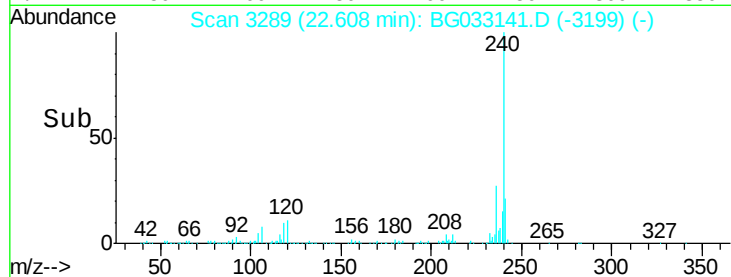
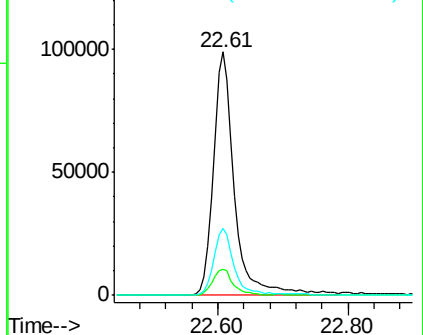
236 27.5 20.9 31.3



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: 2.458 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

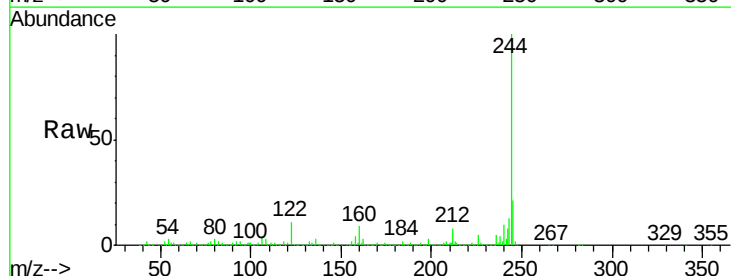
Tgt Ion:184 Resp: 18525

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

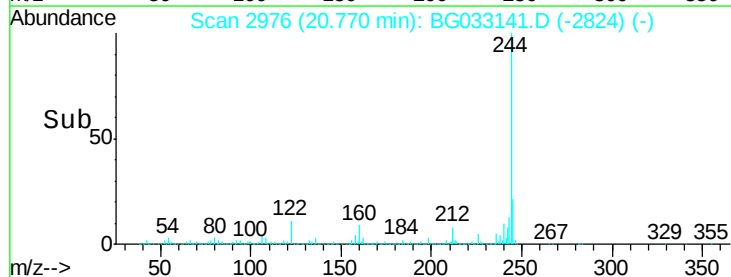
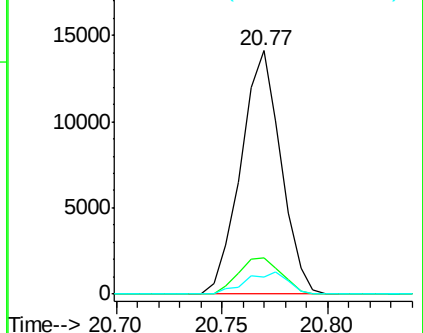
183 7.2 10.6 16.0#

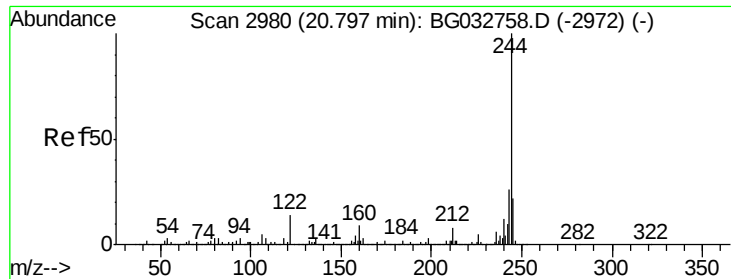


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 110.465 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

Instrument :

BNA_G

ClientSampleId :

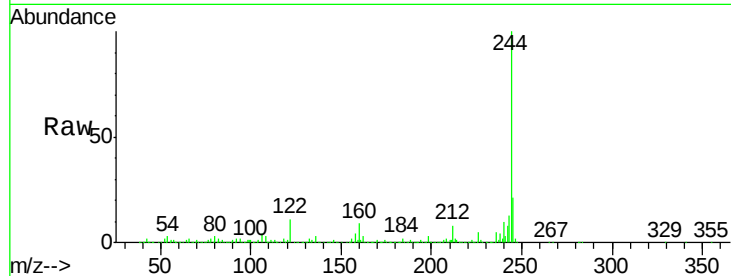
Tot Ion:244 Resp: 1087107

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

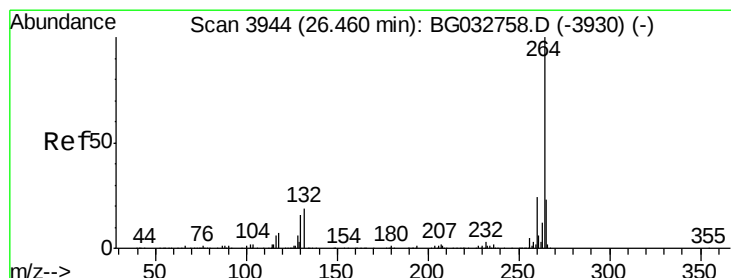
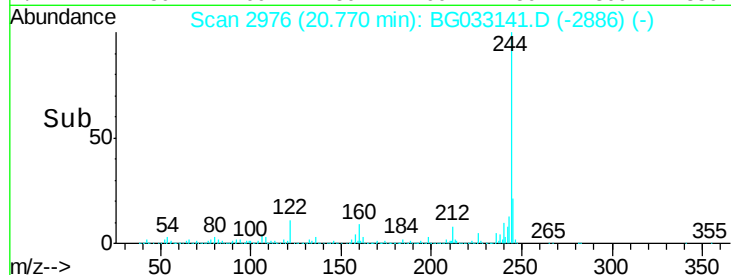
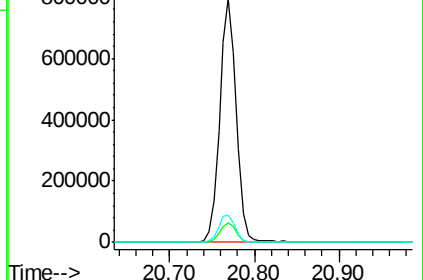
122 11.4 7.0 10.4#



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: 26.41 min Scan# 3936

Delta R.T. -0.00 min

Lab File: BG033141.D

Acq: 14 Mar 2018 7:52

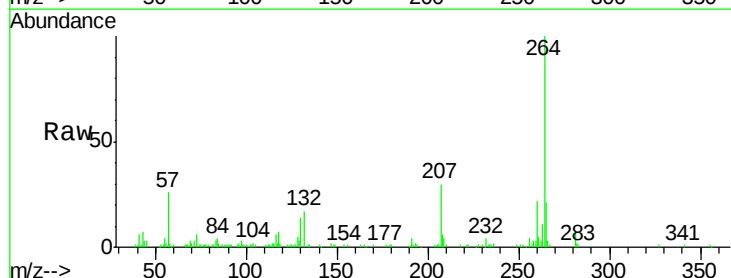
Tgt Ion:264 Resp: 192151

Ion Ratio Lower Upper

264 100

260 21.5 17.4 26.0

265 21.0 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

