

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032983.D
 Acq On : 5 Mar 2018 10:56
 Operator : SJ/JU
 Sample : J1751-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 13:42:47 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

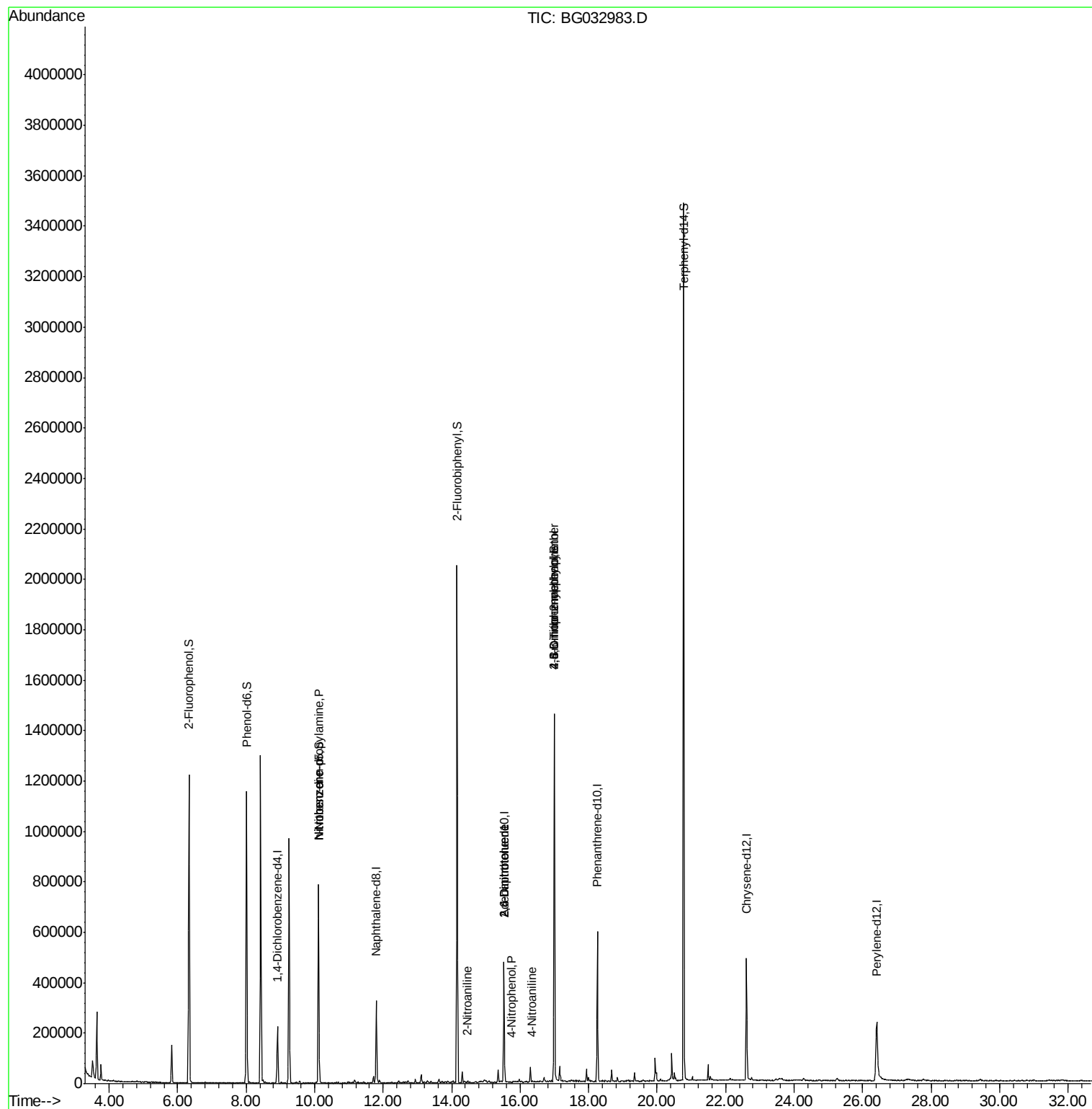
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	67087	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	290889	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	163916	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	367139	20.00	ng	0.00
75) Chrysene-d12	22.61	240	341716	20.00	ng	-0.01
86) Perylene-d12	26.41	264	327516	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	579347	138.16	ng	0.00
7) Phenol-d6	8.01	99	720329	123.24	ng	0.00
23) Nitrobenzene-d5	10.12	82	500817	115.46	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	258630	150.06	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1065701	93.77	ng	0.00
78) Terphenyl-d14	20.77	244	1546416	101.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	67914	16.459	ng	# 83
24) Nitrobenzene	10.11	77	1682	6.695	ng	# 38
47) 2-Nitroaniline	14.47	65	66	9.855	ng	# 9
50) 2,6-Dinitrotoluene	15.53	165	21381	16.459	ng	# 21
55) 4-Nitrophenol	15.74	139	56	7.103	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	21383	14.658	ng	# 19
61) 4-Nitroaniline	16.34	138	57	5.317	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	891	5.978	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18894	4.867	ng	# 1

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

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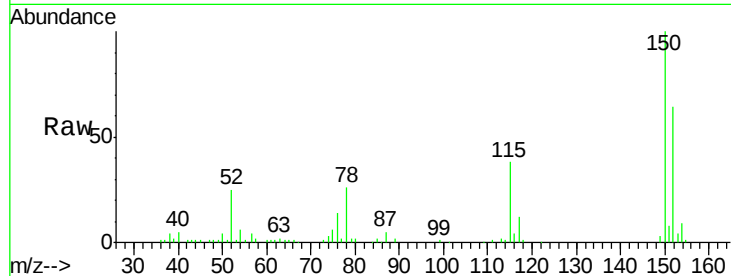


#1

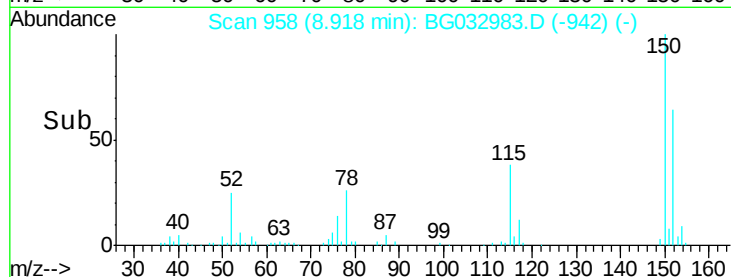
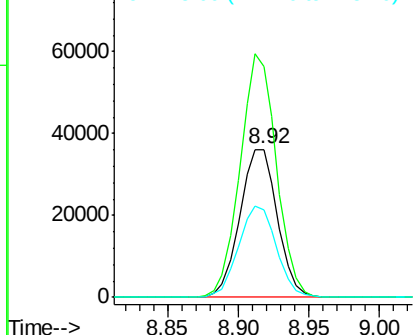
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 67087
Ion Ratio Lower Upper
152 100
150 155.7 126.6 189.8
115 58.7 53.0 79.4



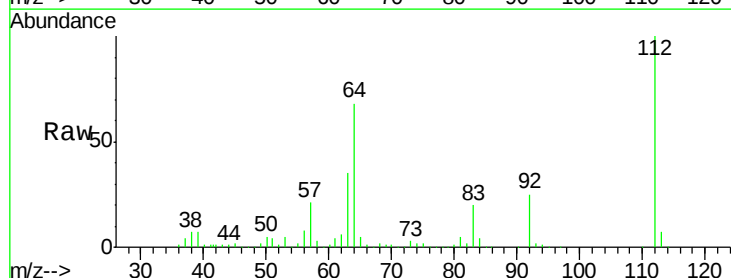
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



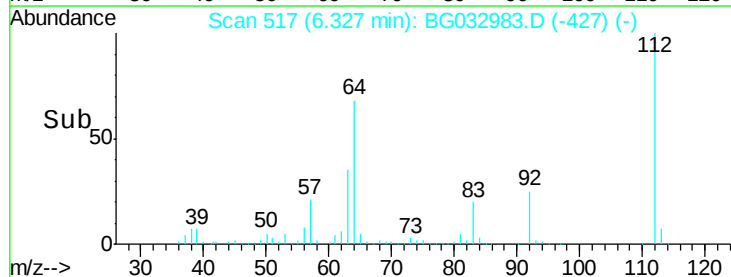
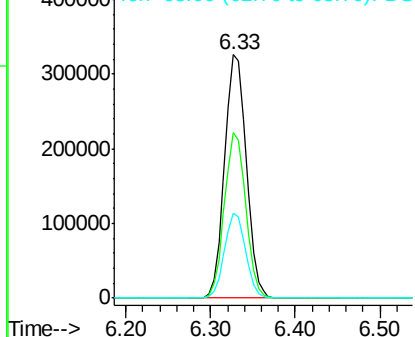
#5

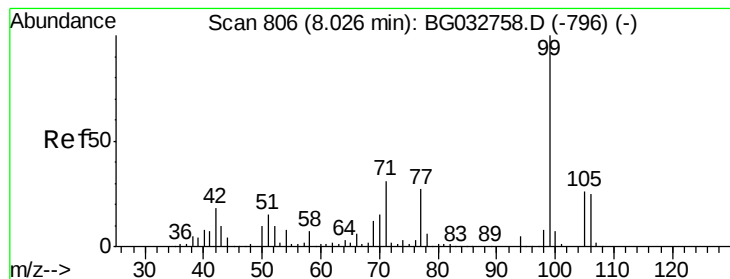
2-Fluorophenol
Concen: 138.160 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

Tgt Ion:112 Resp: 579347
Ion Ratio Lower Upper
112 100
64 67.9 56.3 84.5
63 34.7 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: 123.241 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032983.D

Acq: 5 Mar 2018 10:56

Instrument :

BNA_G

ClientSampled :

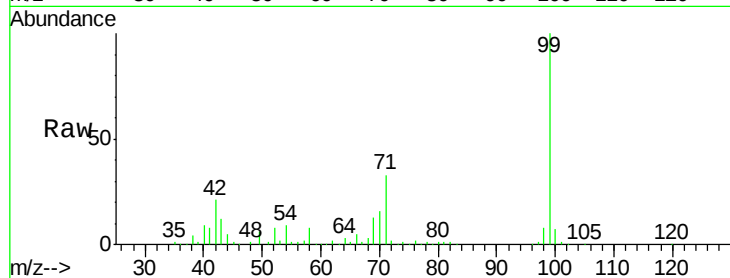
Tot Ion: 99 Resp: 720329

Ion Ratio Lower Upper

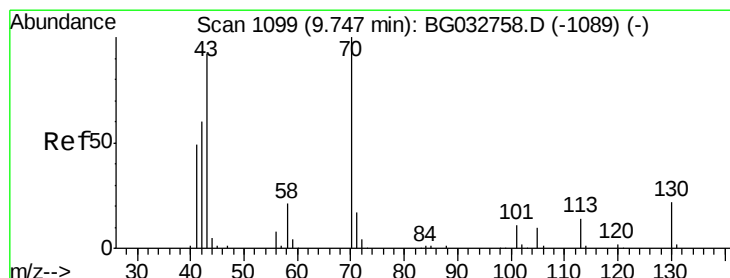
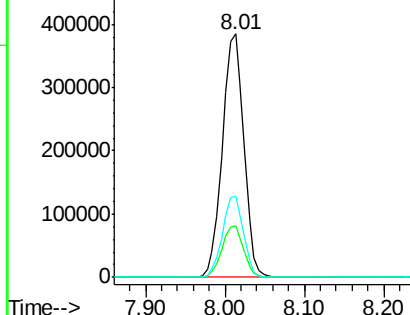
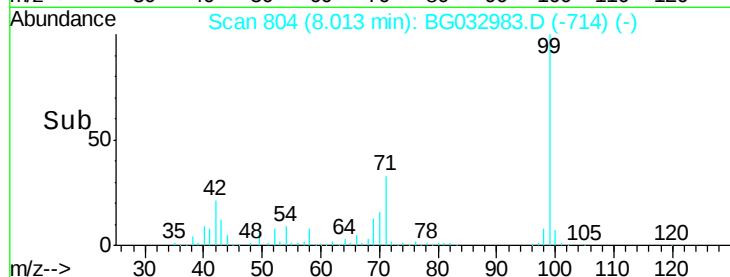
99 100

42 21.3 14.1 21.1#

71 33.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.459 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032983.D

Acq: 5 Mar 2018 10:56

Tgt Ion: 70 Resp: 67914

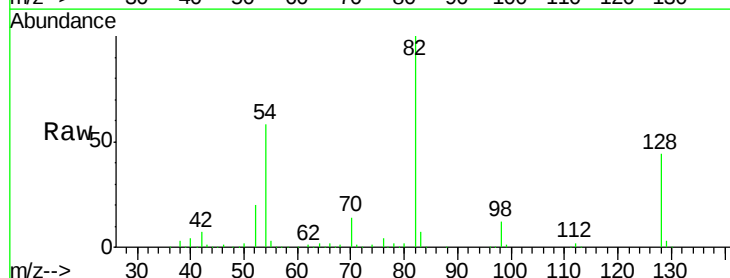
Ion Ratio Lower Upper

70 100

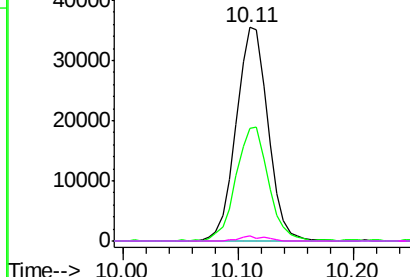
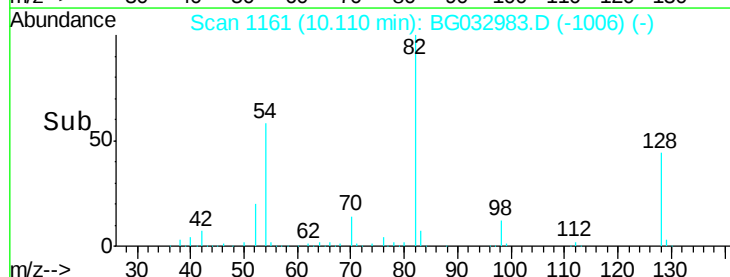
42 53.0 49.1 73.7

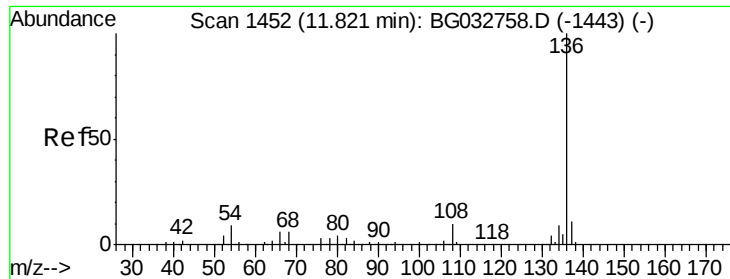
101 0.0 8.5 12.7#

130 2.6 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

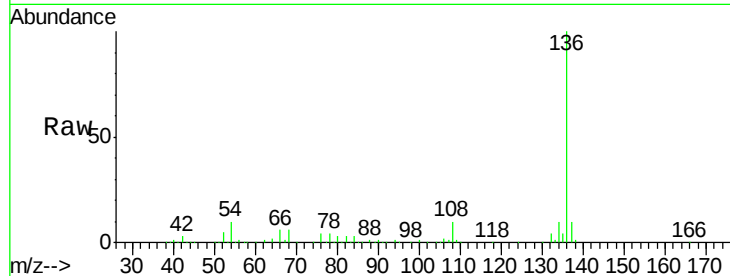




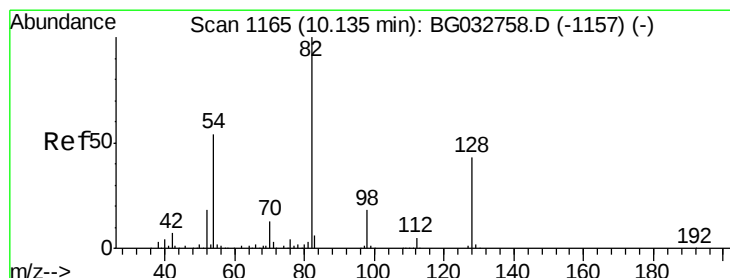
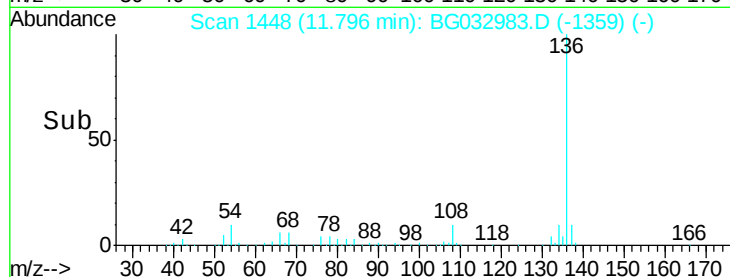
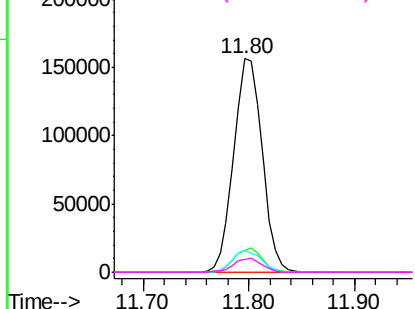
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	290889
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.2 13.8
54	10.0	10.3 15.5#
68	6.3	4.5 6.7

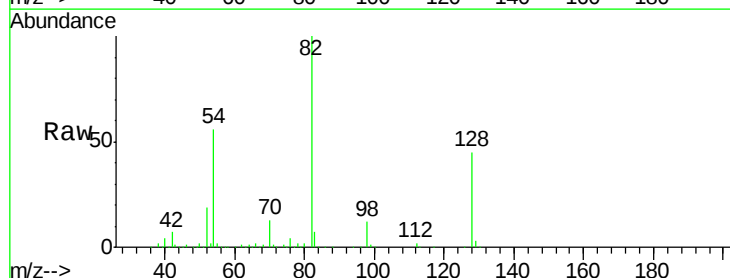


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

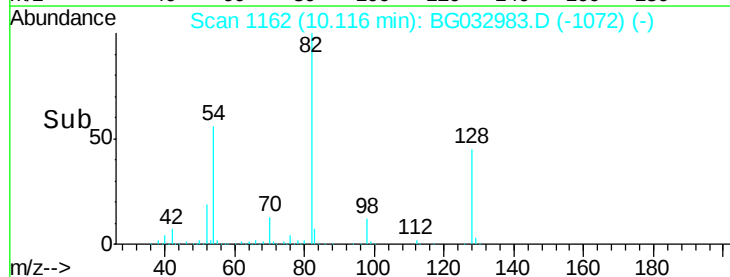
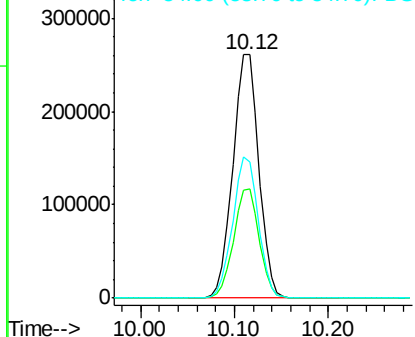


#23
Nitrobenzene-d5
Concen: 115.455 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

Tgt Ion: 82	Resp:	500817
Ion Ratio	Lower	Upper
82	100	
128	45.0	29.7 44.5#
54	56.0	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

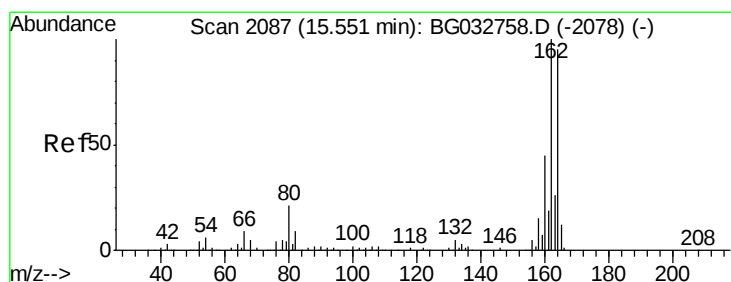
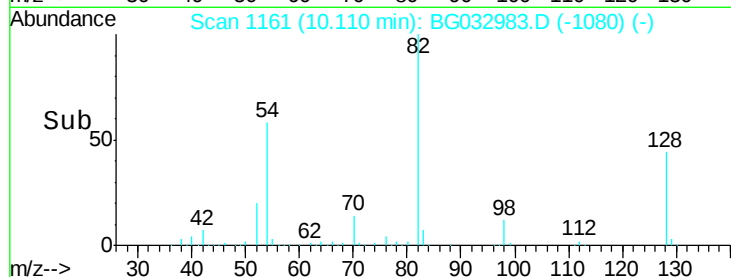
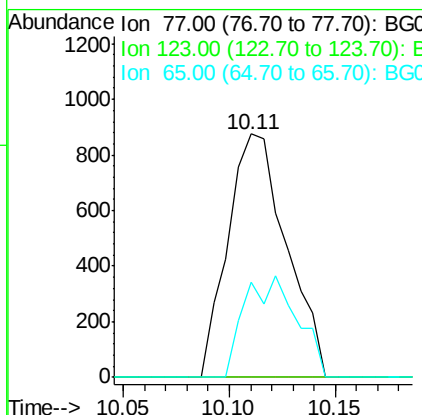
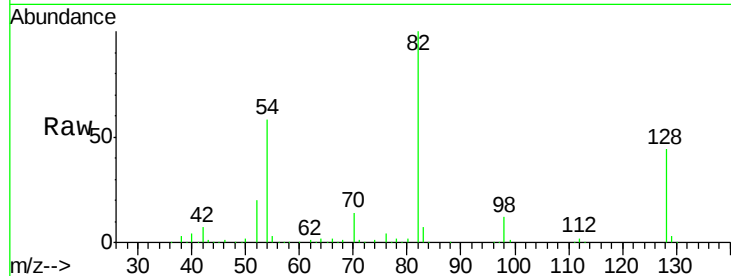




#24
 Nitrobenzene
 Concen: 6.695 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BG032983.D
 Acq: 5 Mar 2018 10:56

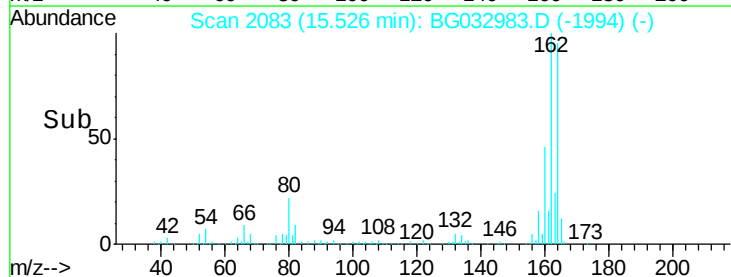
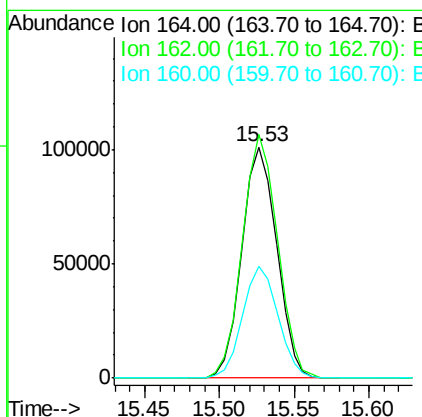
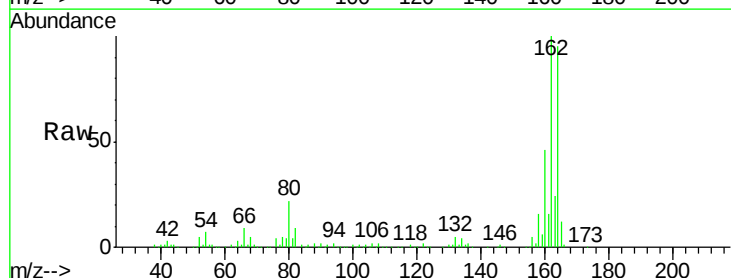
Instrument :
 BNA_G
 ClientSampled :

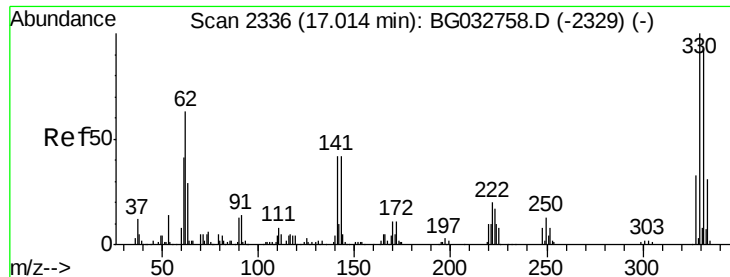
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	39.3	13.0	19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: BG032983.D
 Acq: 5 Mar 2018 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	78.8	118.2
160	48.4	35.4	53.0

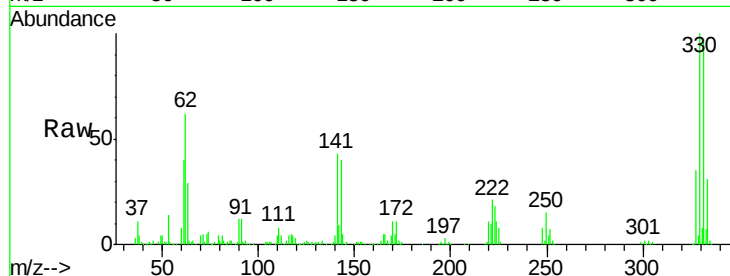




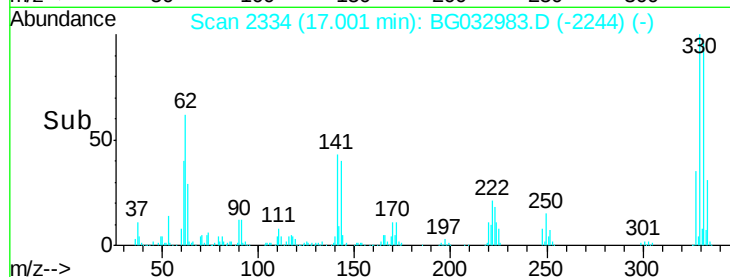
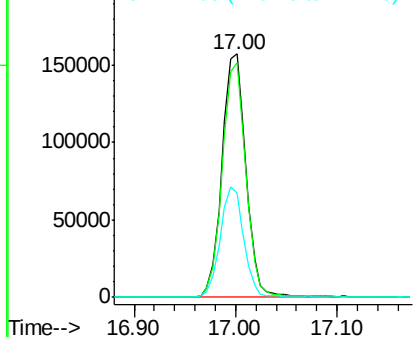
#41
 2,4,6-Tribromophenol
 Concen: 150.059 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032983.D
 Acq: 5 Mar 2018 10:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 258630
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 44.6 25.2 37.8#

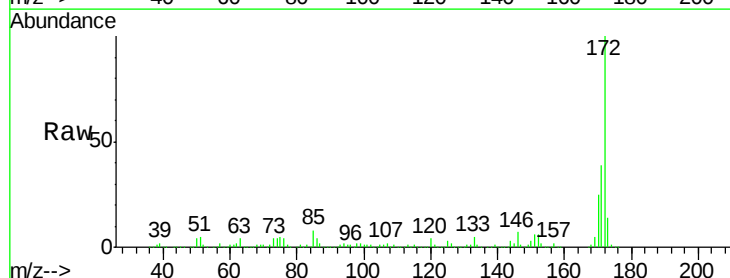


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

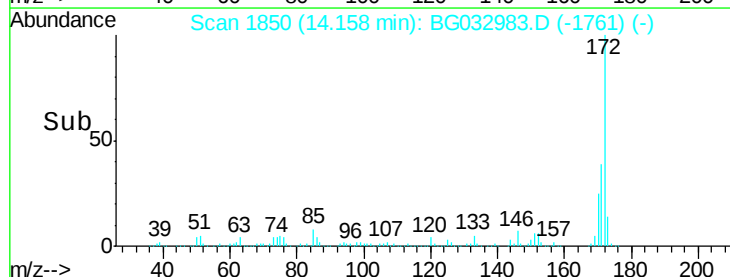
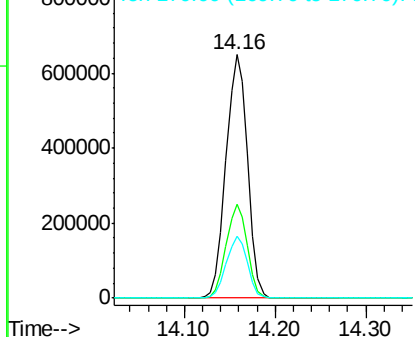


#44
 2-Fluorobiphenyl
 Concen: 93.768 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032983.D
 Acq: 5 Mar 2018 10:56

Tgt Ion:172 Resp: 1065701
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.4 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

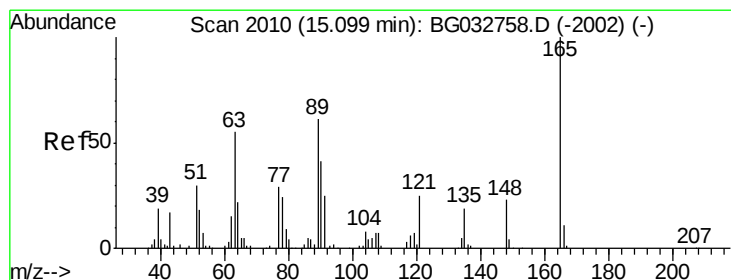
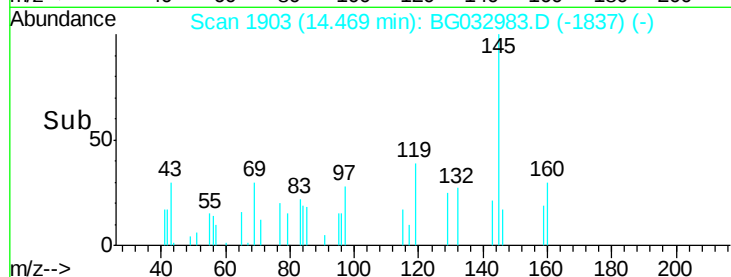
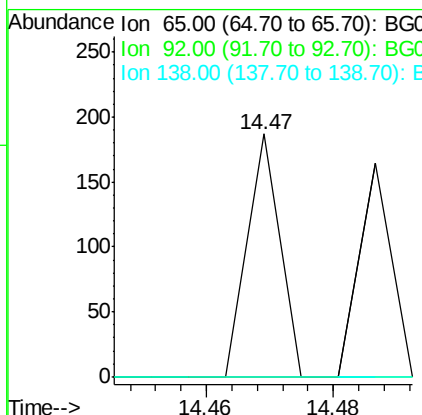
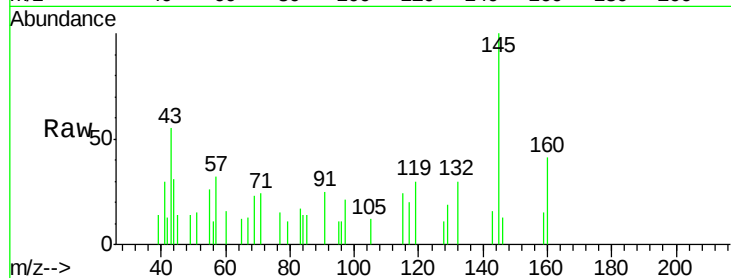




#47
 2-Nitroaniline
 Concen: 9.855 ng
 RT: 14.47 min Scan# 1903
 Delta R.T. -0.14 min
 Lab File: BG032983.D
 Acq: 5 Mar 2018 10:56

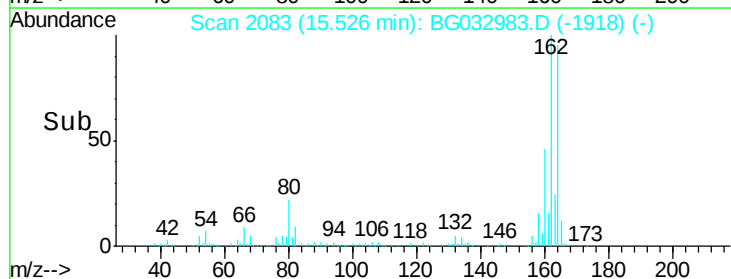
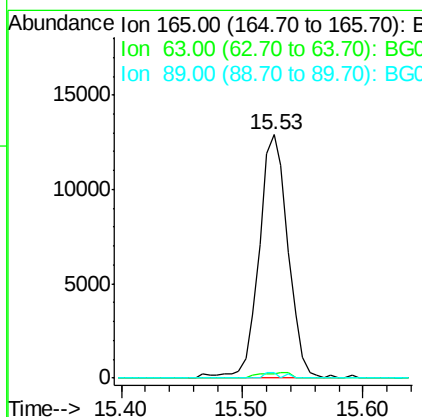
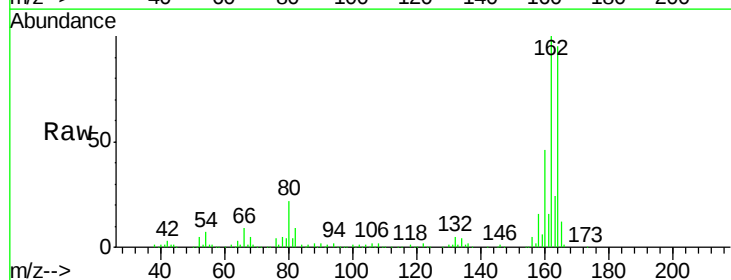
Instrument :
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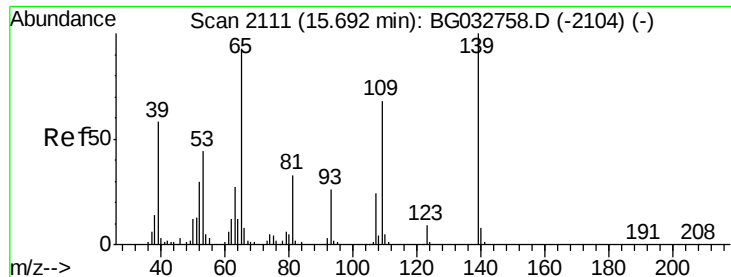
Tot Ion: 65 Resp: 66
 Ion Ratio Lower Upper
 65 100
 92 0.0 54.6 82.0#
 138 0.0 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.459 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. 0.44 min
 Lab File: BG032983.D
 Acq: 5 Mar 2018 10:56

Tgt Ion: 165 Resp: 21381
 Ion Ratio Lower Upper
 165 100
 63 1.8 52.7 79.1#
 89 2.4 49.2 73.8#

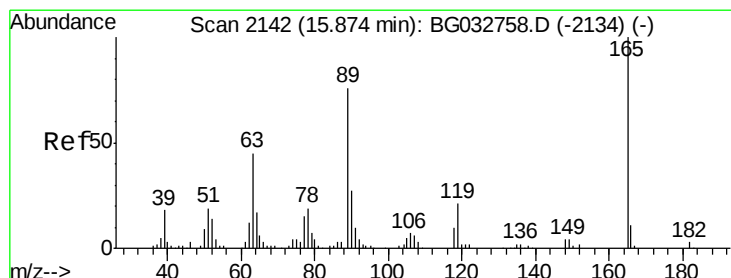
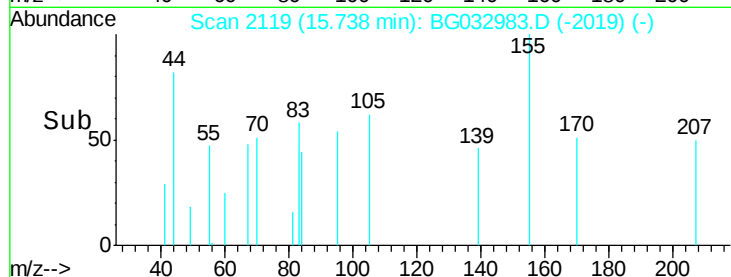
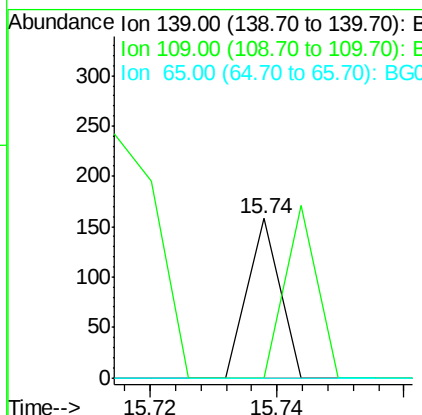
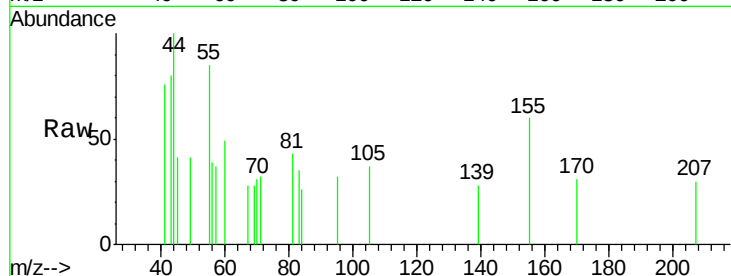




#55
4-Nitrophenol
Concen: 7.103 ng
RT: 15.74 min Scan# 2119
Delta R.T. 0.06 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

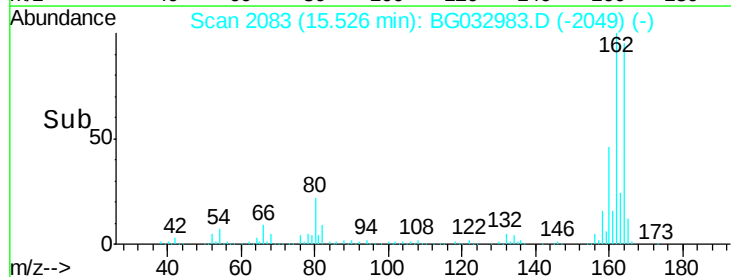
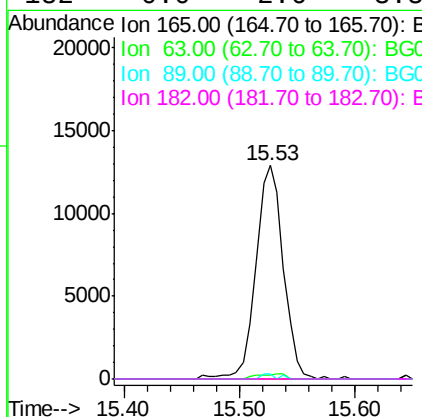
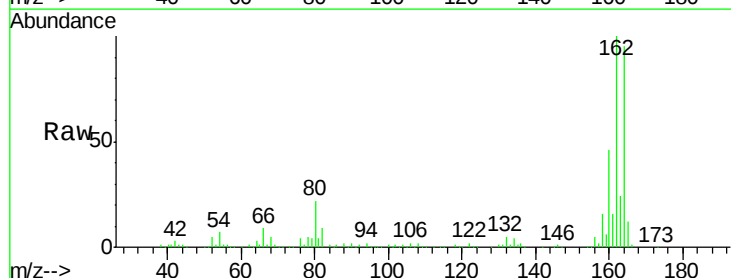
Instrument :
BNA_G
ClientSampled :

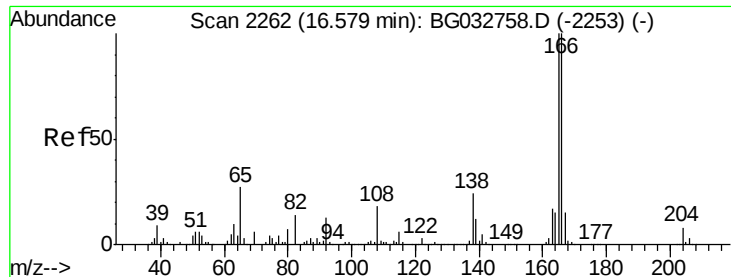
Tot Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 14.658 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

Tgt Ion:165 Resp: 21383
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 2.4 66.9 100.3#
182 0.0 2.6 3.8#

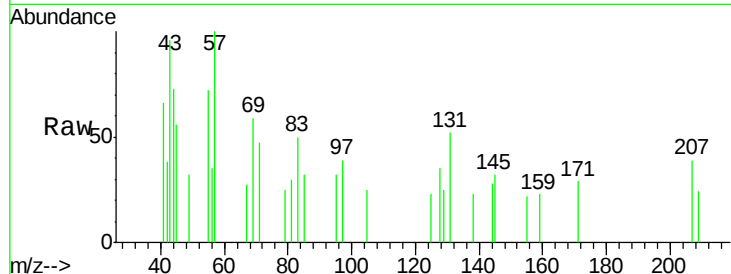




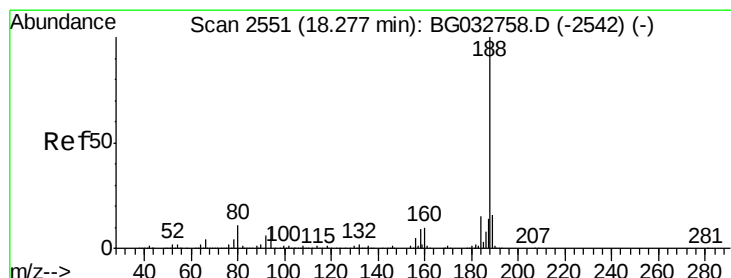
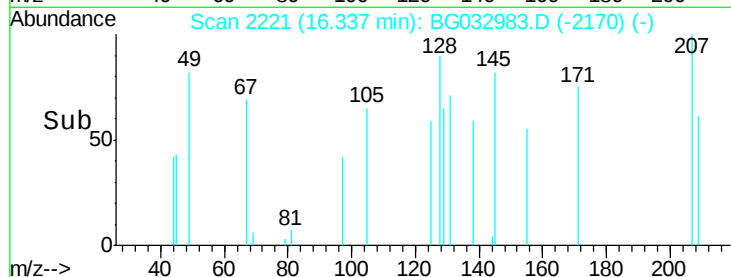
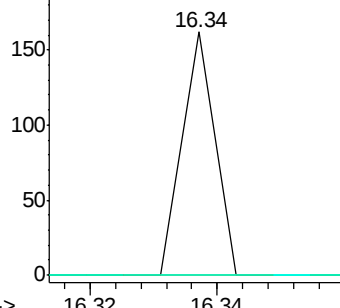
#61
4-Nitroaniline
Concen: 5.317 ng
RT: 16.34 min Scan# 2221
Delta R.T. -0.23 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

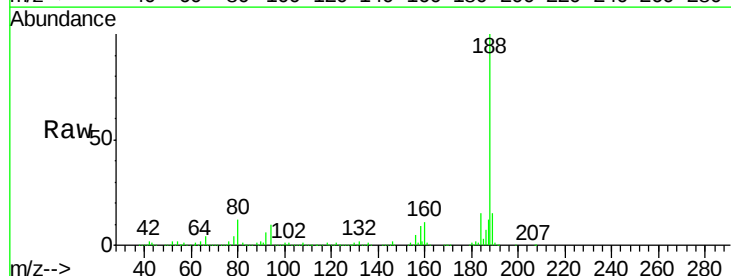


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

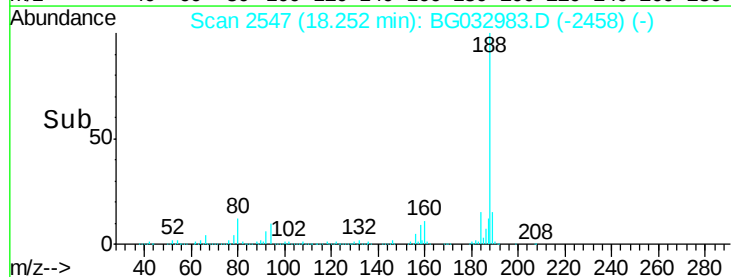
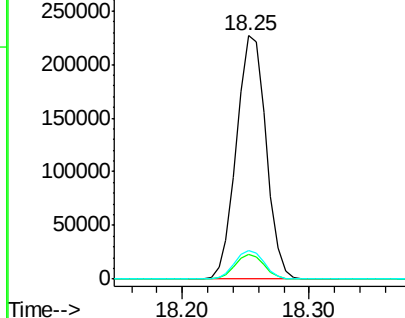


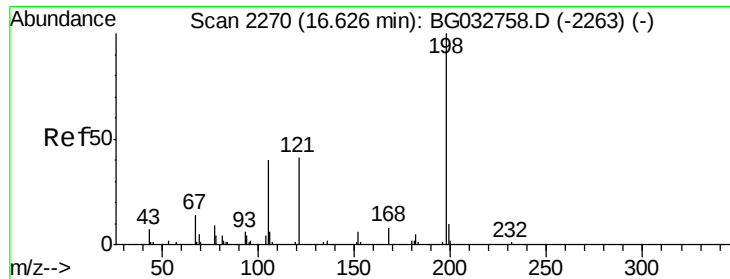
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG032983.D
Acq: 5 Mar 2018 10:56

Tgt Ion:188 Resp: 367139
Ion Ratio Lower Upper
188 100
94 10.1 6.9 10.3
80 11.9 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





#64

4,6-Dinitro-2-methylphenol

Concen: 5.978 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG032983.D

Acq: 5 Mar 2018 10:56

Instrument :

BNA_G

ClientSampled :

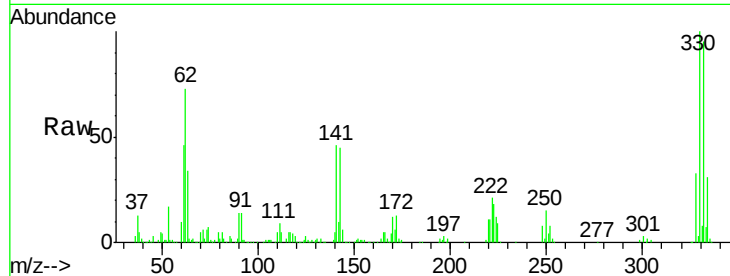
Tot Ion:198 Resp: 891

Ion Ratio Lower Upper

198 100

51 171.3 30.6 70.6#

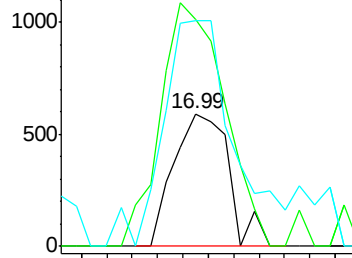
105 169.8 23.8 63.8#



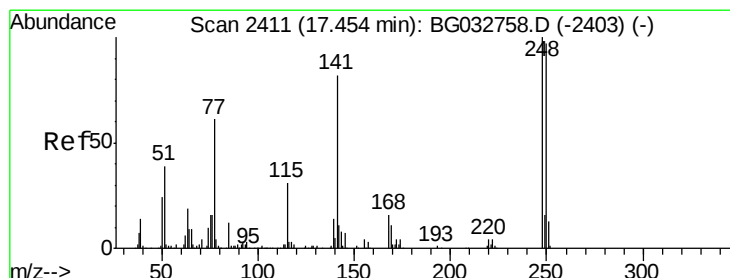
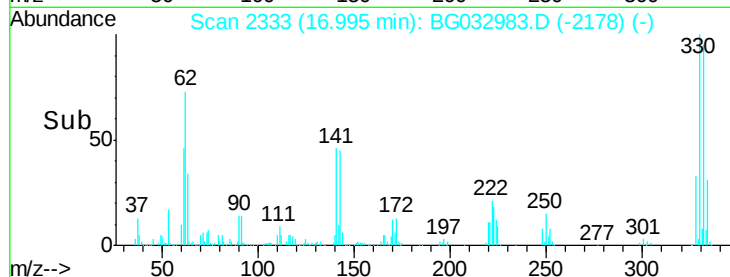
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



Time--> 16.95 17.00



#66

4-Bromophenyl-phenylether

Concen: 4.867 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG032983.D

Acq: 5 Mar 2018 10:56

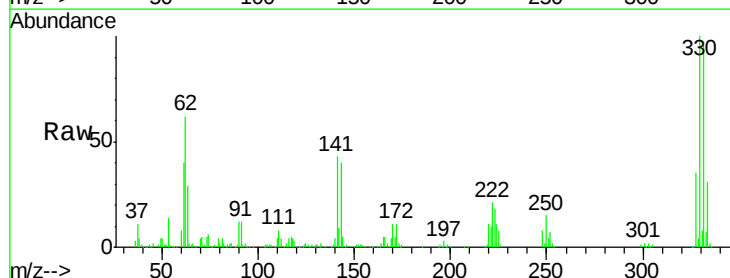
Tgt Ion:248 Resp: 18894

Ion Ratio Lower Upper

248 100

250 198.8 77.1 115.7#

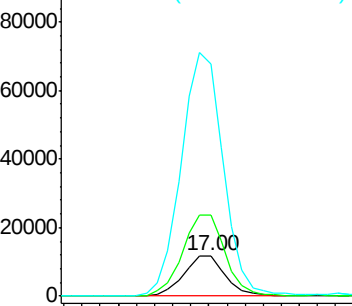
141 569.1 50.8 76.2#



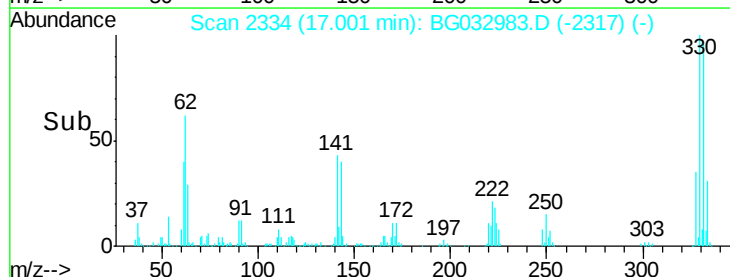
Abundance Ion 248.00 (247.70 to 248.70): E

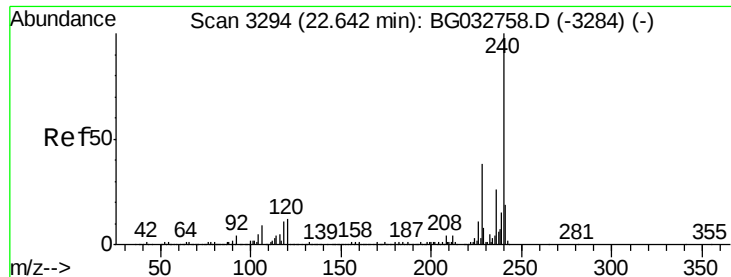
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.95 17.00 17.05





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG032983.D

Acq: 5 Mar 2018 10:56

Instrument :

BNA_G

ClientSampleId :

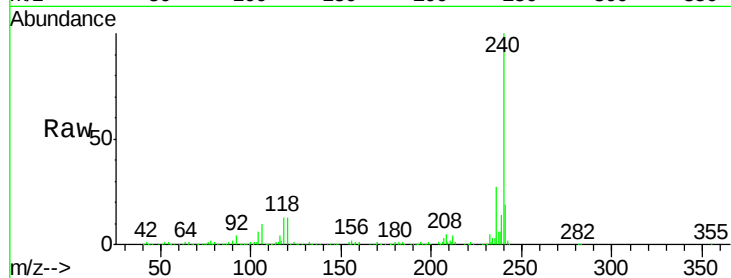
Tot Ion:240 Resp: 341716

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

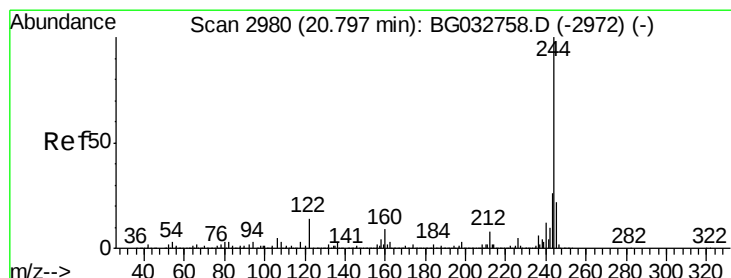
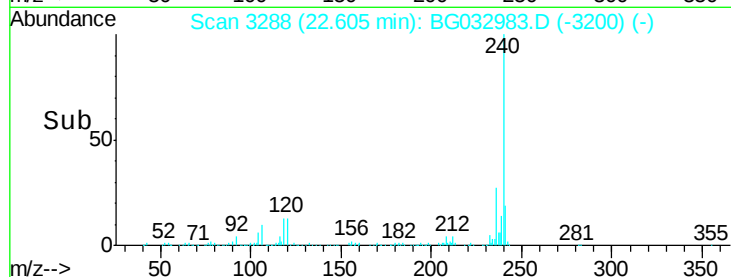
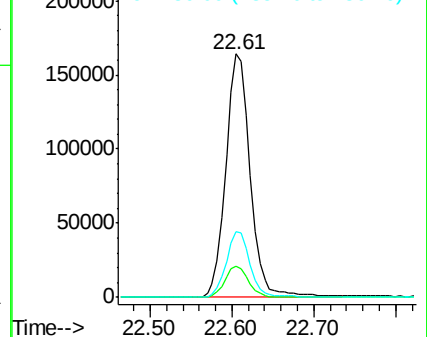
236 27.2 20.9 31.3



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



#78

Terphenyl-d14

Concen: 101.674 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032983.D

Acq: 5 Mar 2018 10:56

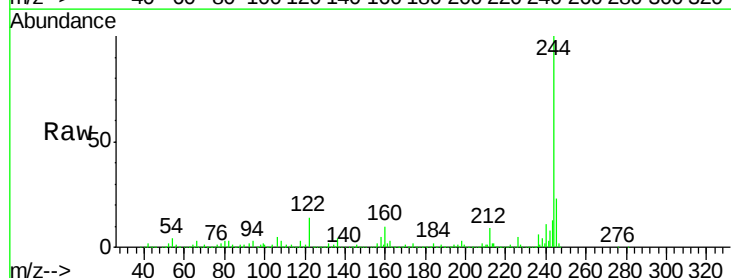
Tgt Ion:244 Resp: 1546416

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

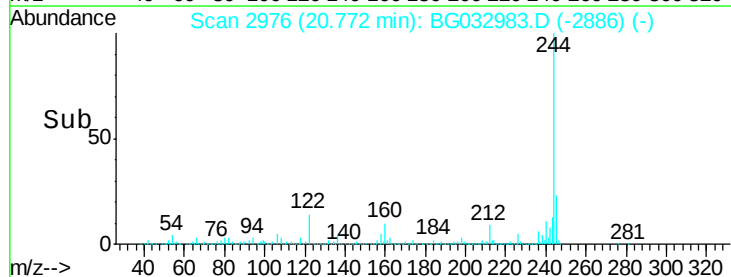
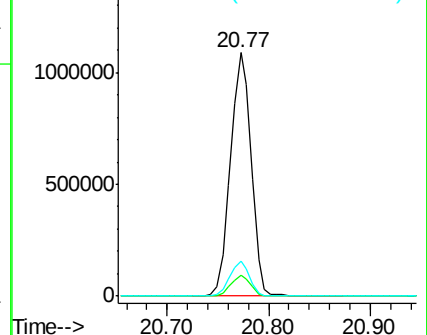
122 14.5 7.0 10.4#

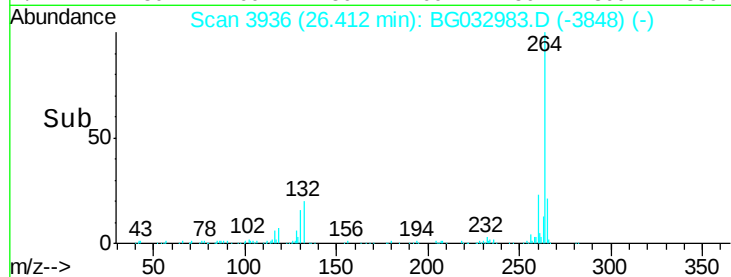
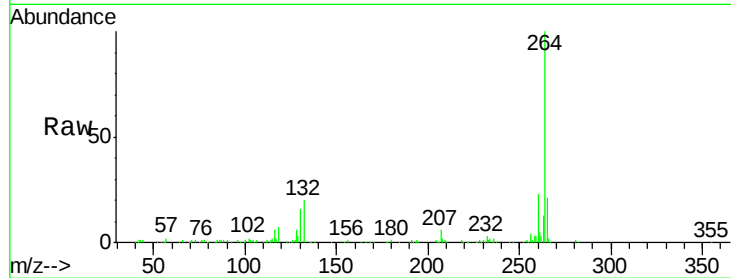
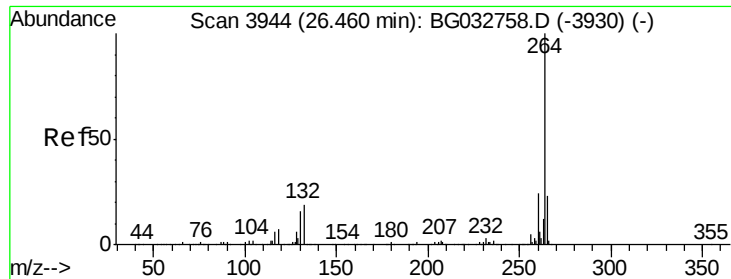


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3936

Delta R.T. -0.01 min

Lab File: BG032983.D

Acq: 5 Mar 2018 10:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 327516

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.4 17.7 26.5

