

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032929.D
 Acq On : 1 Mar 2018 22:39
 Operator : SJ/JU
 Sample : J1719-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:05:56 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

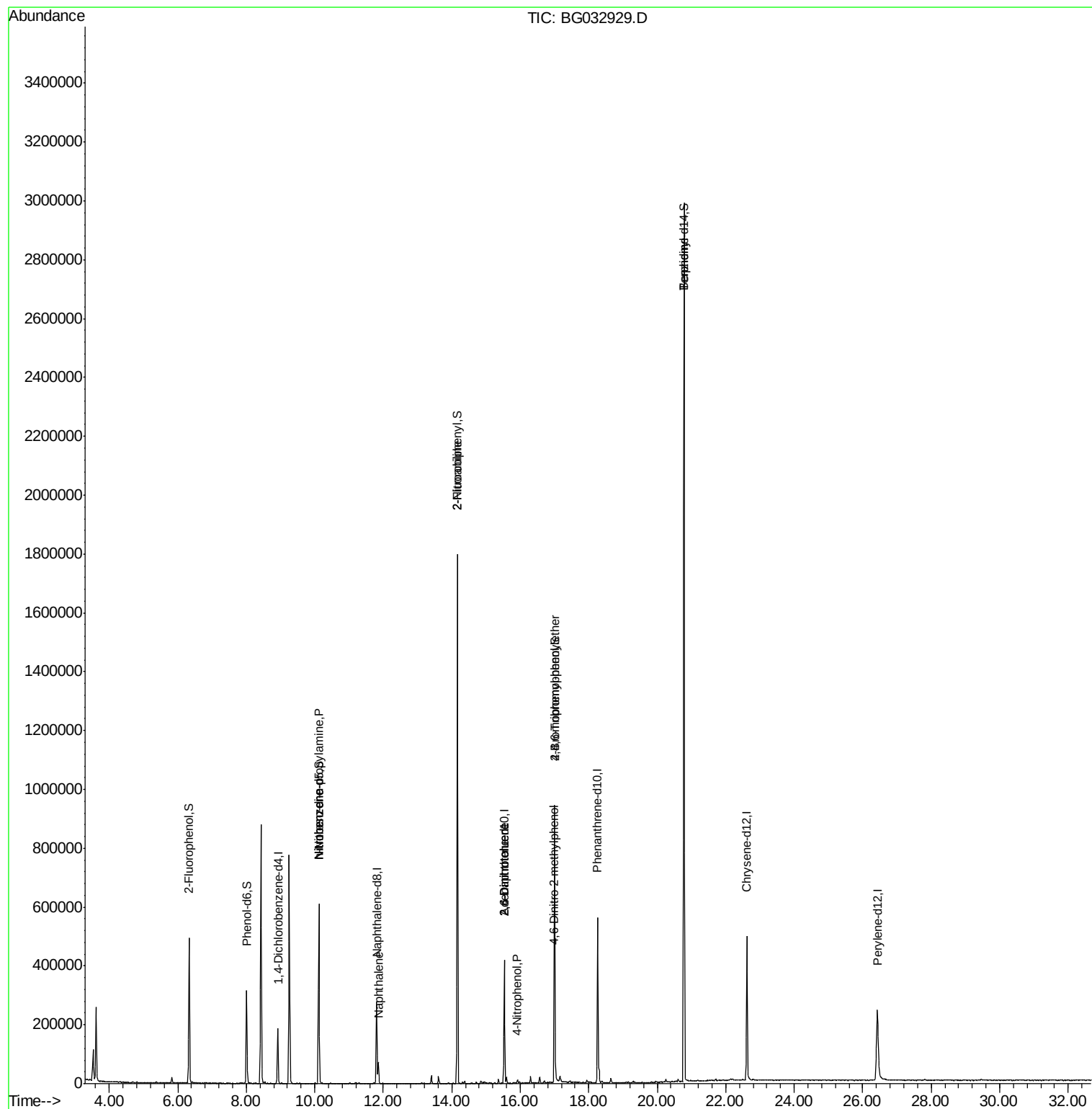
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	56328	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	252261	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	147476	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	346563	20.00	ng	0.00
75) Chrysene-d12	22.61	240	334068	20.00	ng	0.00
86) Perylene-d12	26.43	264	333690	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	242553	68.89	ng	0.00
7) Phenol-d6	8.01	99	198310	40.41	ng	0.00
23) Nitrobenzene-d5	10.12	82	392314	105.25	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	171433	110.55	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	919591	89.93	ng	0.00
78) Terphenyl-d14	20.78	244	1391071	93.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	50193	14.487	ng	# 81
24) Nitrobenzene	10.11	77	1208	6.641	ng	# 37
31) Naphthalene	11.86	128	64346	4.882	ng	# 98
47) 2-Nitroaniline	14.17	65	1715	10.397	ng	# 13
50) 2,6-Dinitrotoluene	15.53	165	19221	16.453	ng	# 20
55) 4-Nitrophenol	15.92	139	2102	8.015	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	19221	14.651	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.98	198	61	5.022	ng	# 15
66) 4-Bromophenyl-phenylether	17.00	248	12591	3.436	ng	# 1
76) Benzidine	20.78	184	23693	2.081	ng	# 93

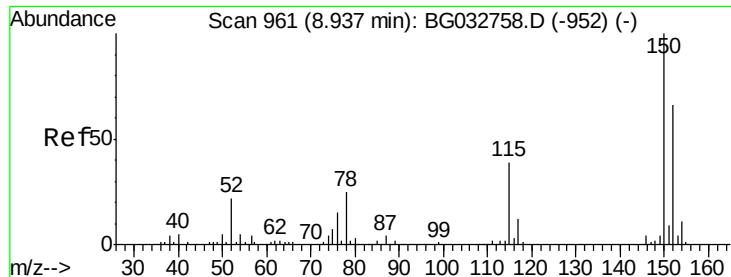
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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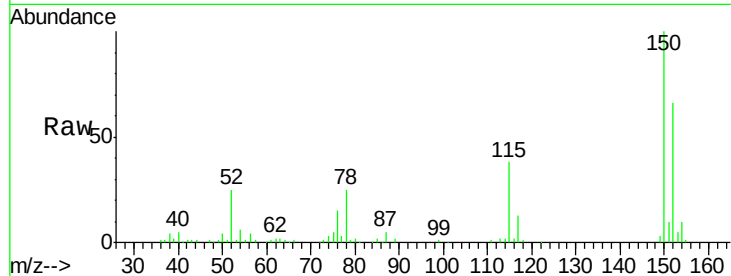


#1

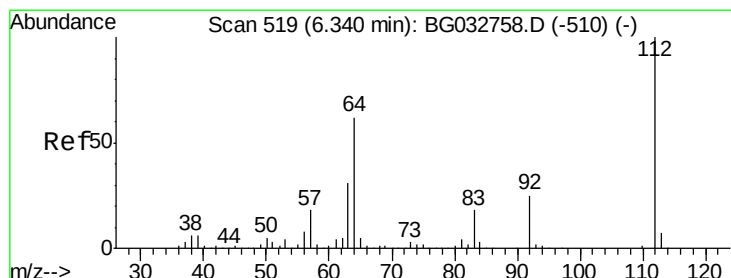
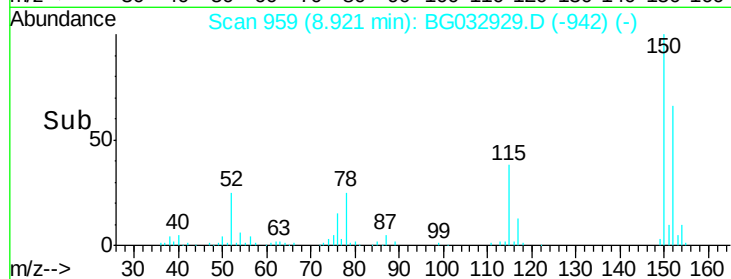
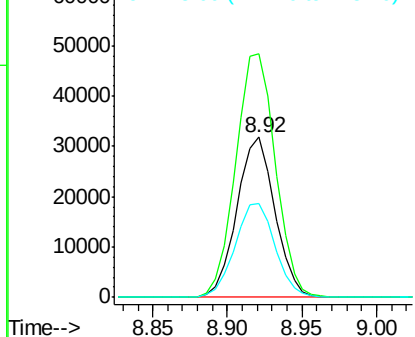
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032929.D
Acq: 1 Mar 2018 22:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56328
Ion Ratio Lower Upper
152 100
150 152.4 126.6 189.8
115 58.6 53.0 79.4



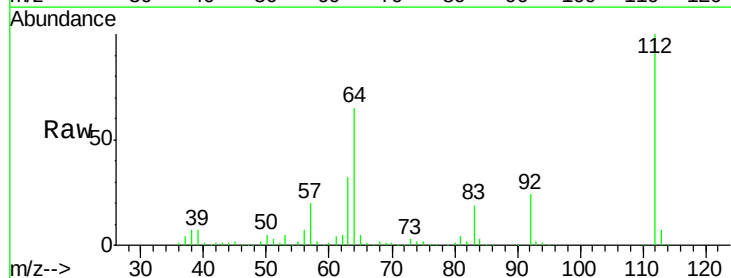
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



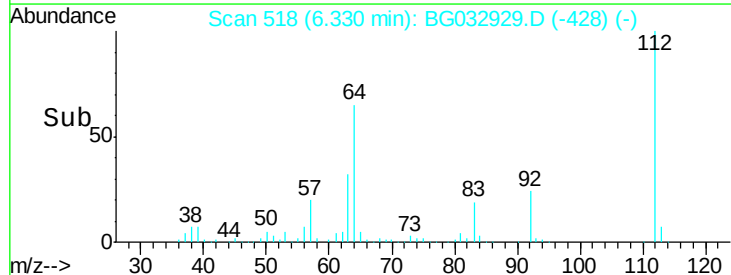
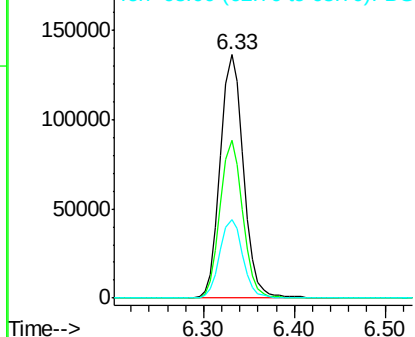
#5

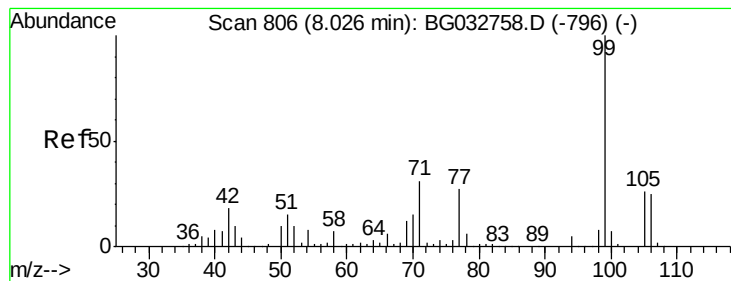
2-Fluorophenol
Concen: 68.891 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032929.D
Acq: 1 Mar 2018 22:39

Tgt Ion:112 Resp: 242553
Ion Ratio Lower Upper
112 100
64 65.0 56.3 84.5
63 32.5 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: 40.409 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

Instrument :

BNA_G

ClientSampled :

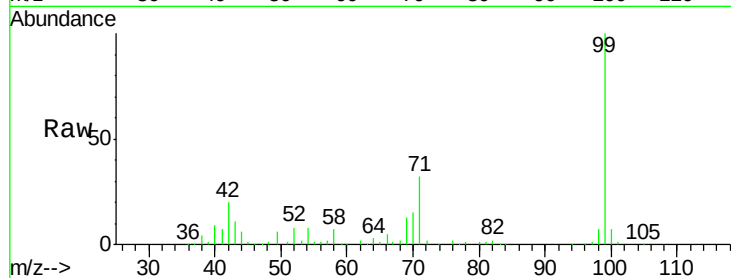
Tot Ion: 99 Resp: 198310

Ion Ratio Lower Upper

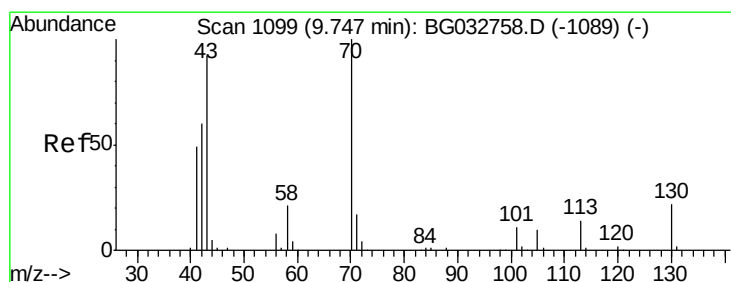
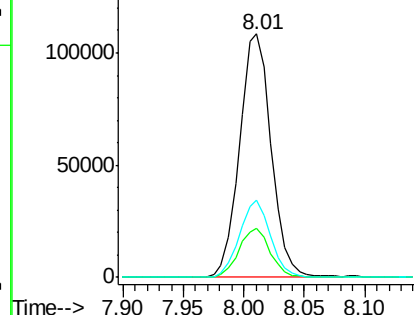
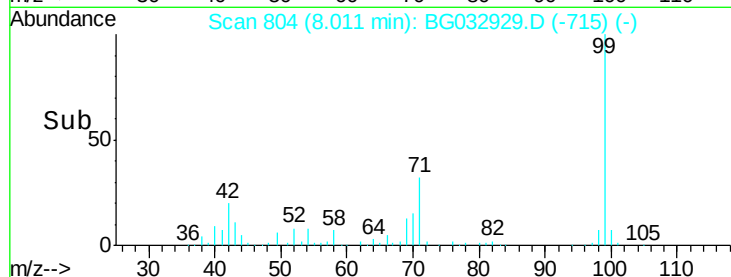
99 100

42 20.3 14.1 21.1

71 31.9 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: 14.487 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

Tgt Ion: 70 Resp: 50193

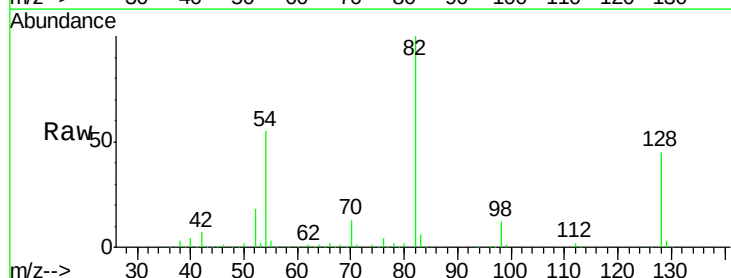
Ion Ratio Lower Upper

70 100

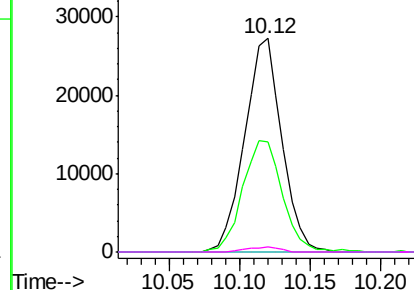
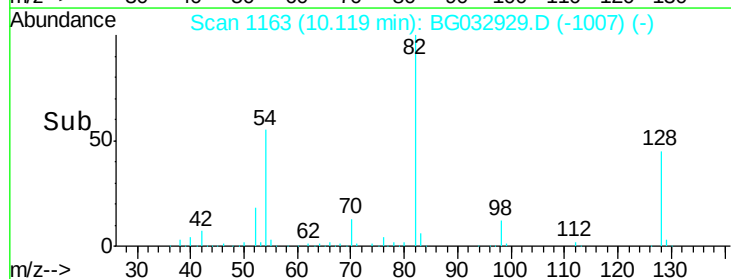
42 51.5 49.1 73.7

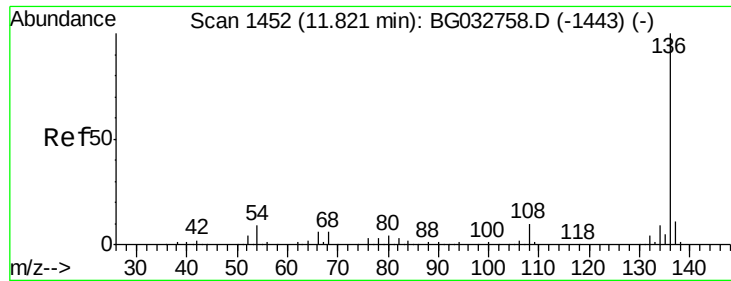
101 0.0 8.5 12.7#

130 2.2 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

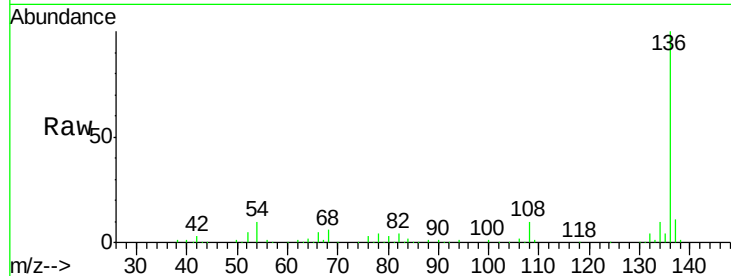




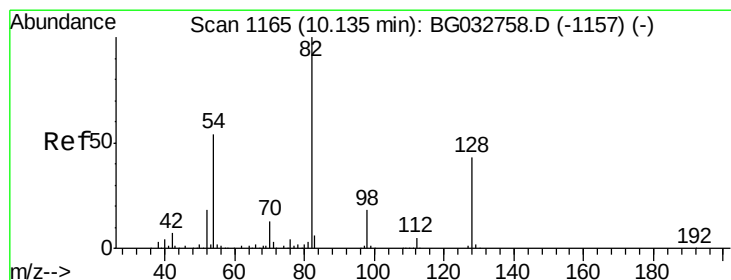
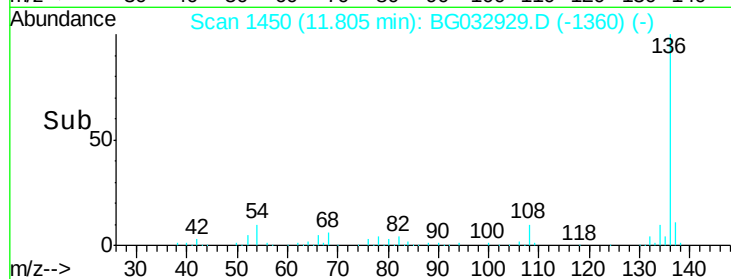
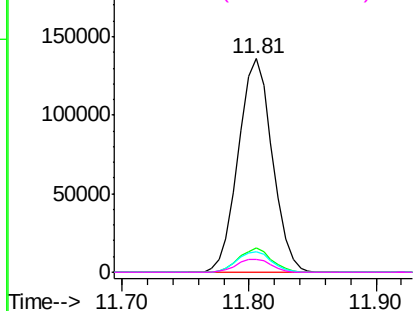
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032929.D
Acq: 1 Mar 2018 22:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 252261
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 9.7 10.3 15.5#
68 6.3 4.5 6.7

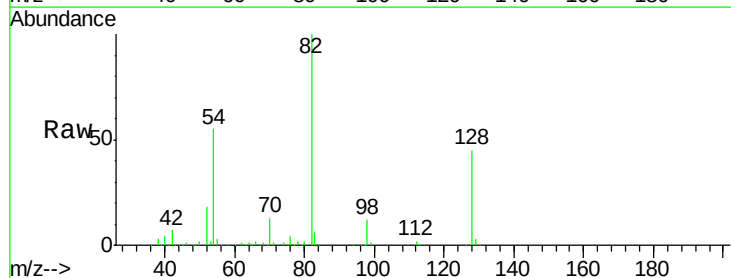


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

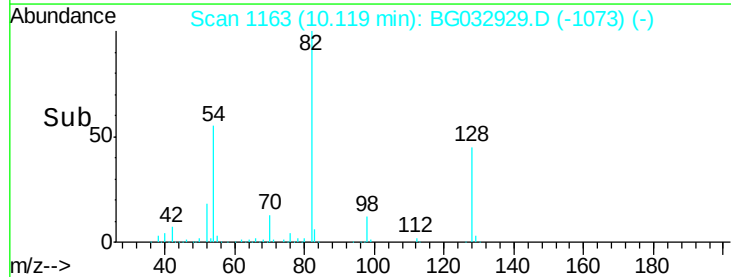
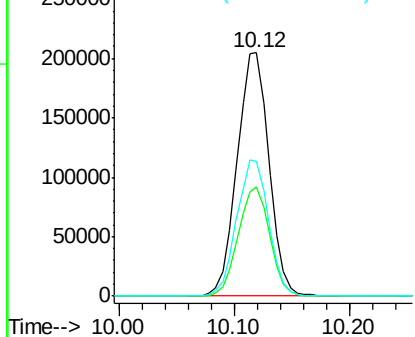


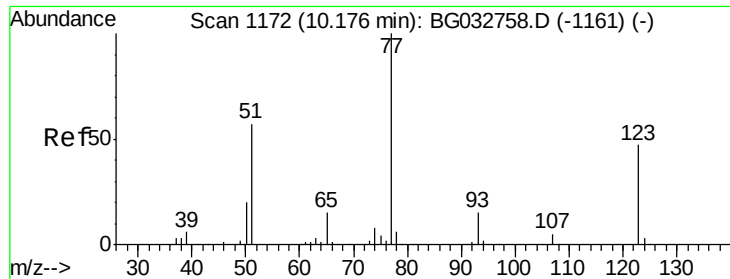
#23
Nitrobenzene-d5
Concen: 105.249 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032929.D
Acq: 1 Mar 2018 22:39

Tgt Ion: 82 Resp: 392314
Ion Ratio Lower Upper
82 100
128 44.8 29.7 44.5#
54 55.2 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: 6.641 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

Instrument :

BNA_G

ClientSampled :

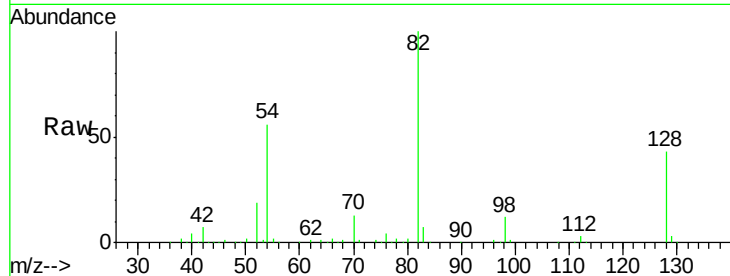
Tot Ion: 77 Resp: 1208

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

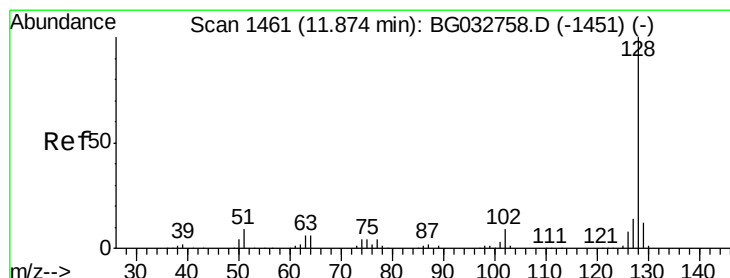
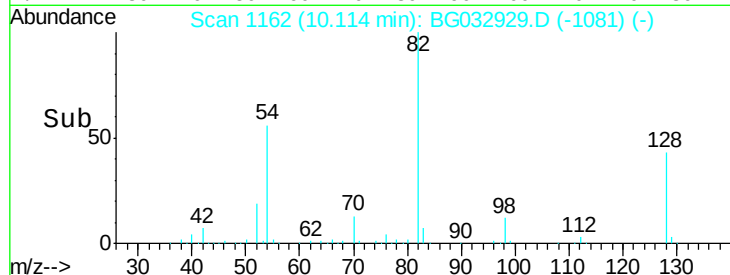
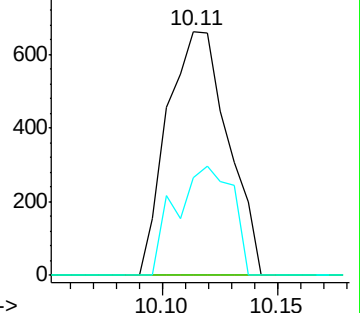
65 39.9 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 4.882 ng

RT: 11.86 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

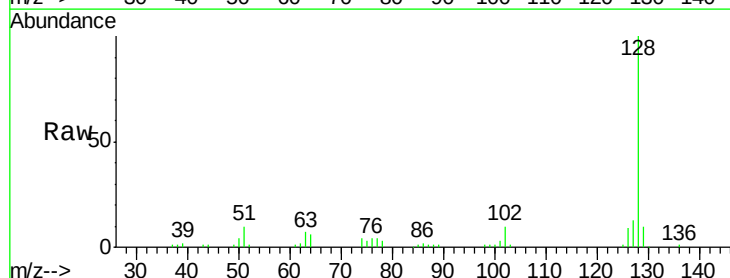
Tgt Ion: 128 Resp: 64346

Ion Ratio Lower Upper

128 100

129 10.0 8.6 12.8

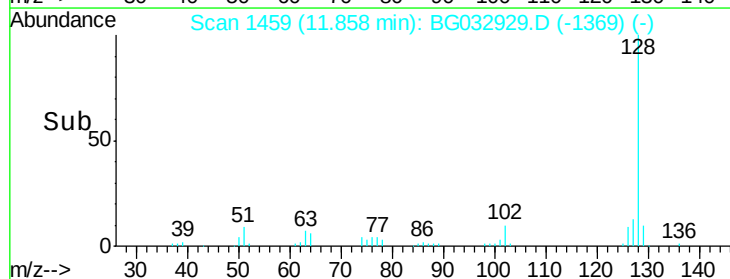
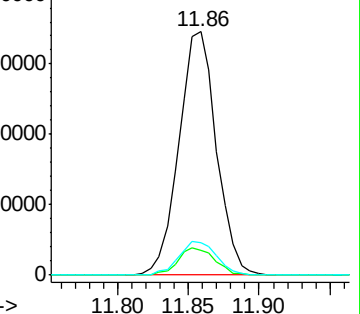
127 13.4 11.6 17.4

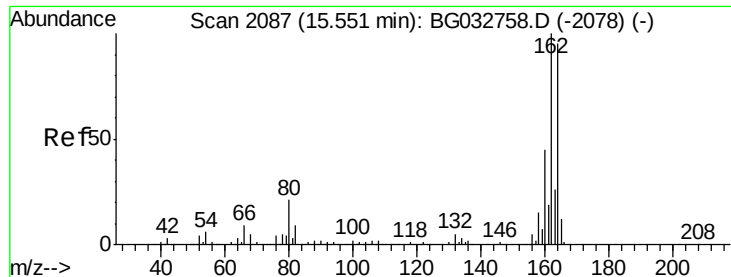


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

Instrument :

BNA_G

ClientSampleId :

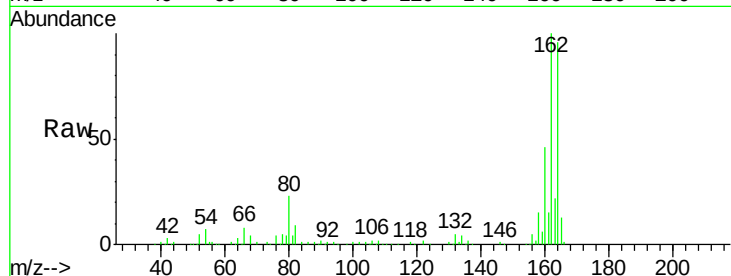
Tot Ion:164 Resp: 147476

Ion Ratio Lower Upper

164 100

162 103.8 78.8 118.2

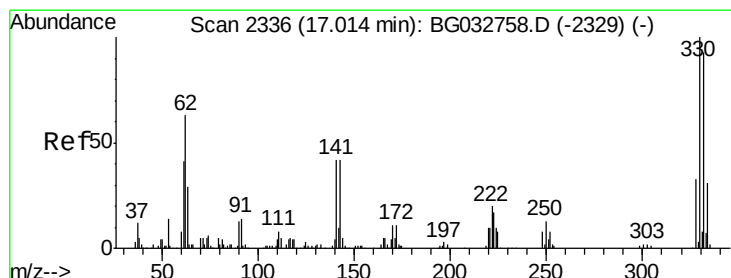
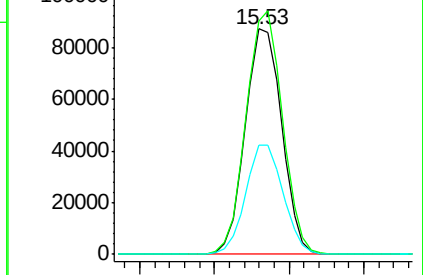
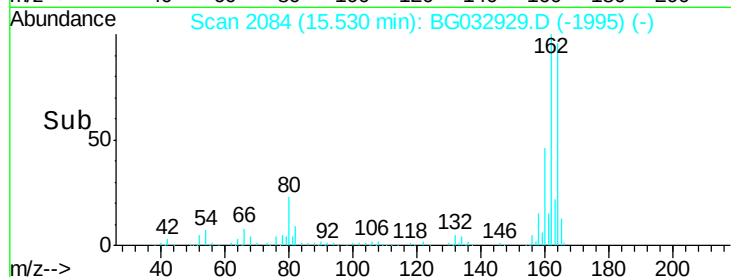
160 48.3 35.4 53.0



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: 110.555 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

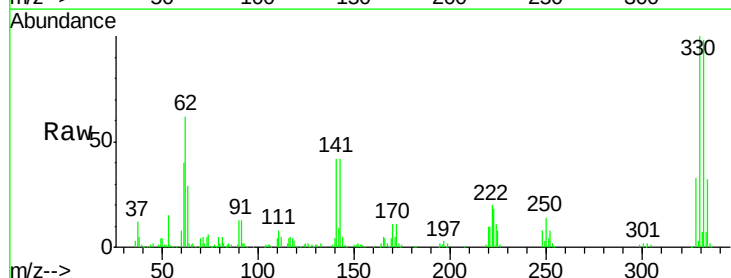
Tgt Ion:330 Resp: 171433

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

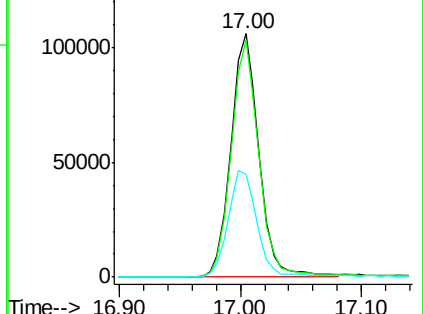
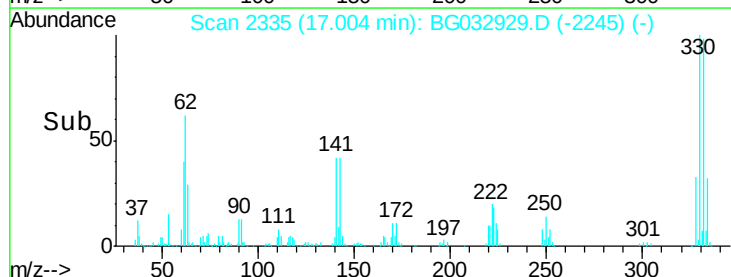
141 45.1 25.2 37.8#

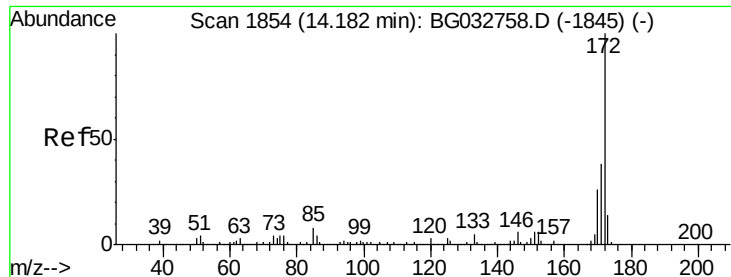


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

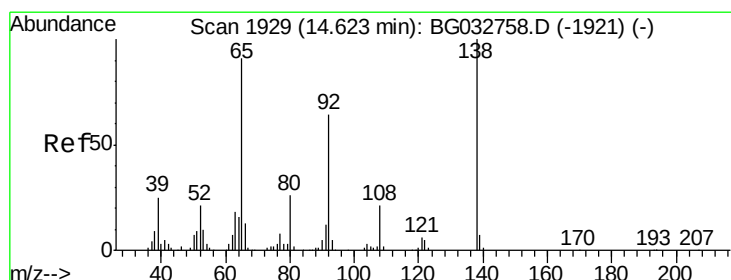
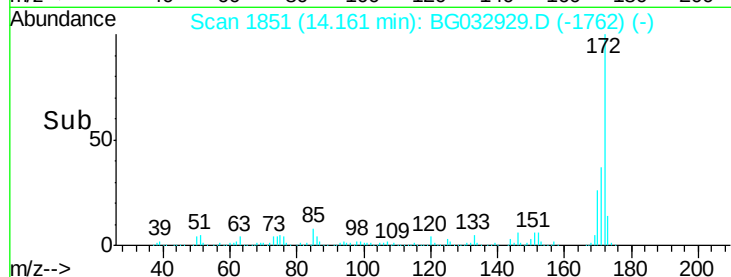
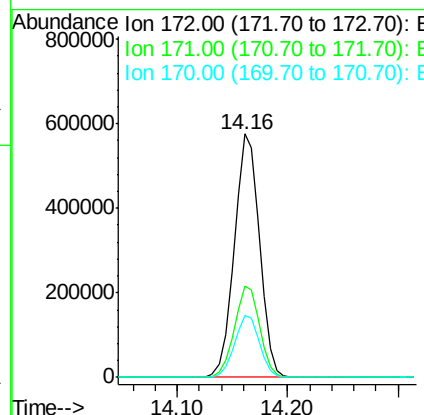
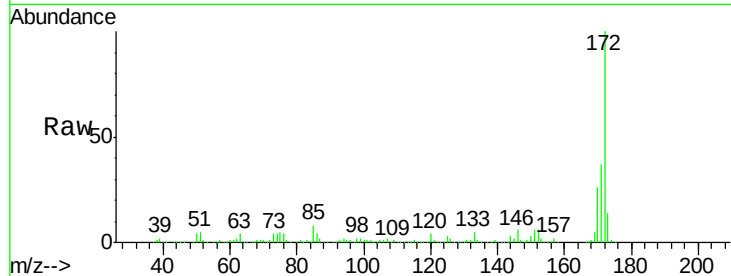




#44
2-Fluorobiphenyl
Concen: 89.932 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BG032929.D
Acq: 1 Mar 2018 22:39

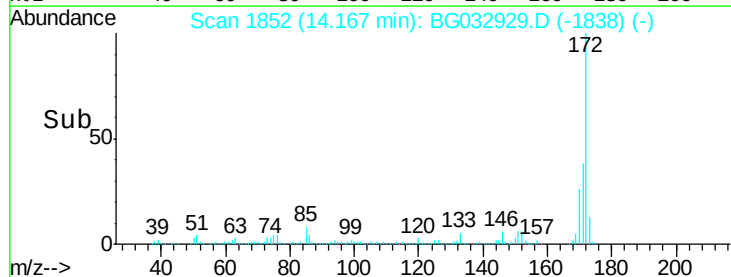
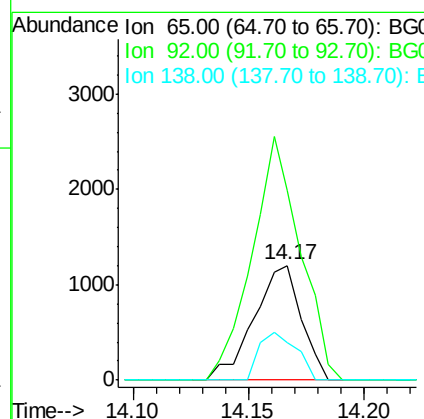
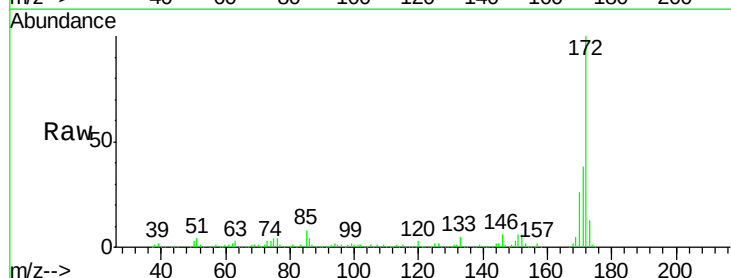
Instrument :
BNA_G
ClientSampleId :

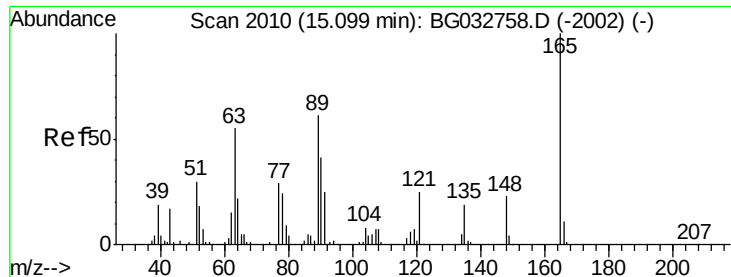
Tot Ion:172 Resp: 919591
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 25.5 19.5 29.3



#47
2-Nitroaniline
Concen: 10.397 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032929.D
Acq: 1 Mar 2018 22:39

Tgt Ion: 65 Resp: 1715
Ion Ratio Lower Upper
65 100
92 165.7 54.6 82.0#
138 32.4 72.9 109.3#

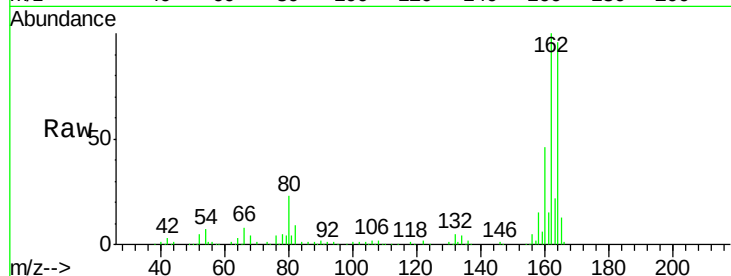




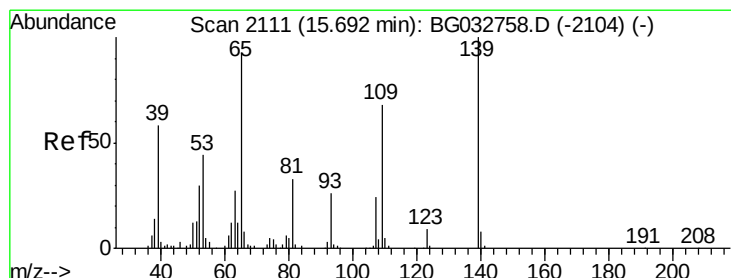
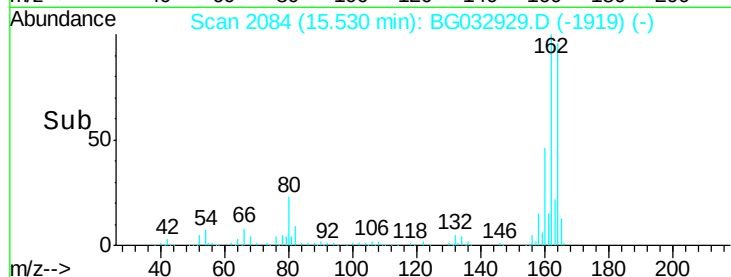
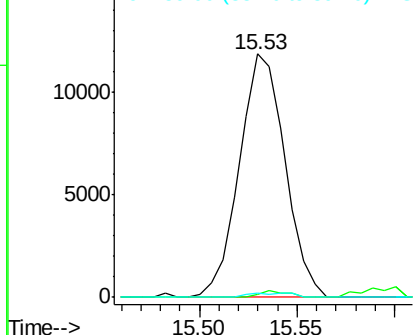
#50
 2,6-Dinitrotoluene
 Concen: 16.453 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. 0.44 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 19221
 Ion Ratio Lower Upper
 165 100
 63 1.5 52.7 79.1#
 89 1.5 49.2 73.8#

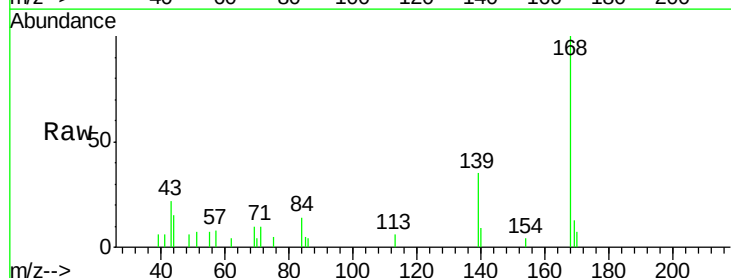


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

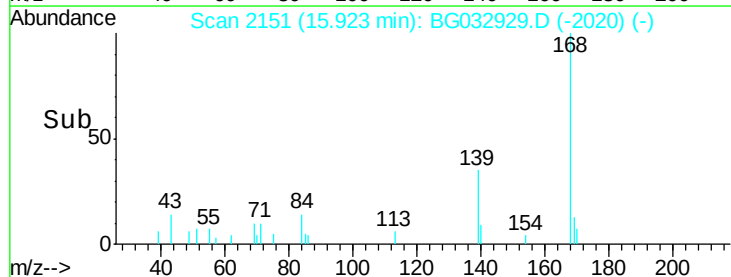
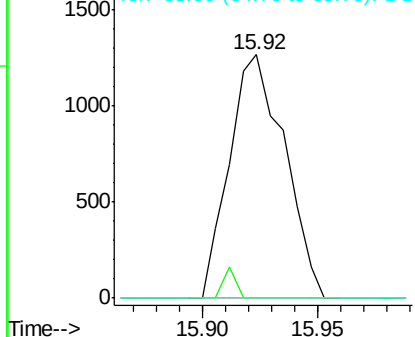


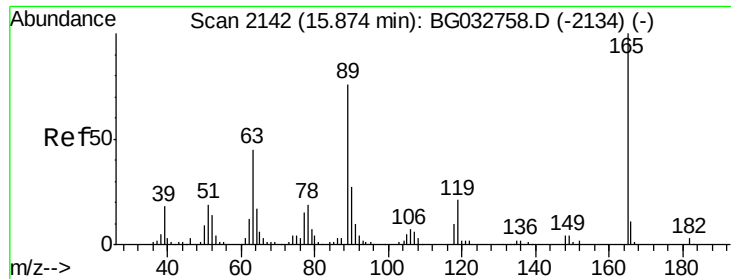
#55
 4-Nitrophenol
 Concen: 8.015 ng
 RT: 15.92 min Scan# 2151
 Delta R.T. 0.24 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

Tgt Ion:139 Resp: 2102
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGO

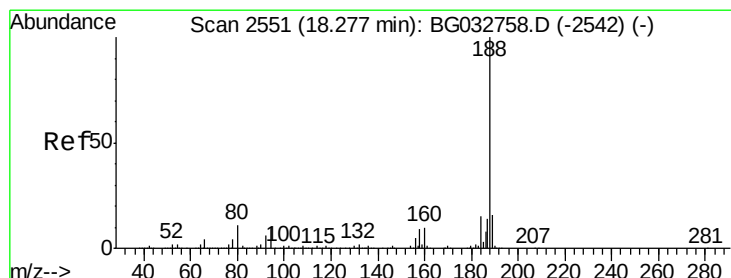
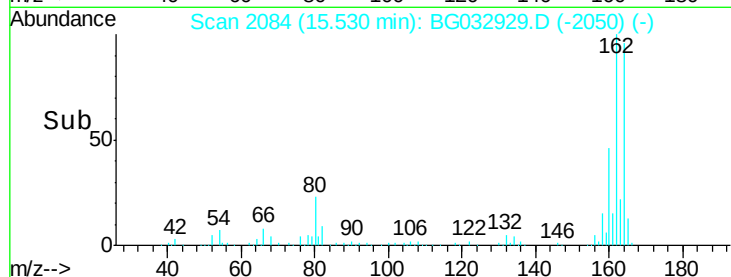
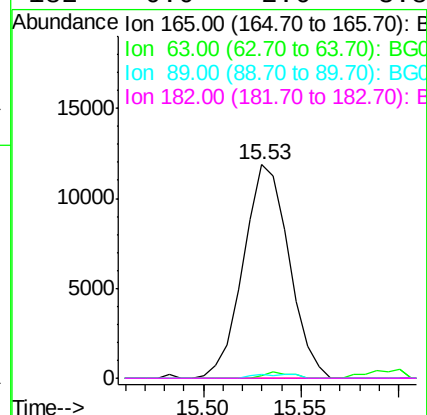
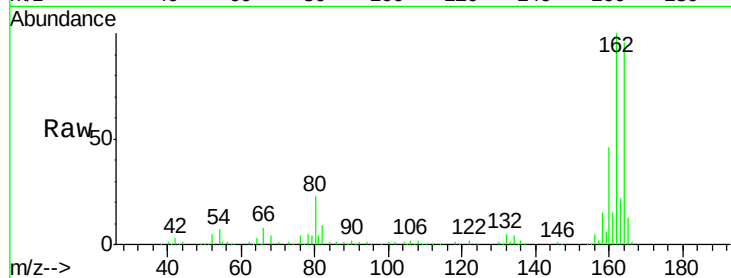




#56
 2,4-Dinitrotoluene
 Concen: 14.651 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

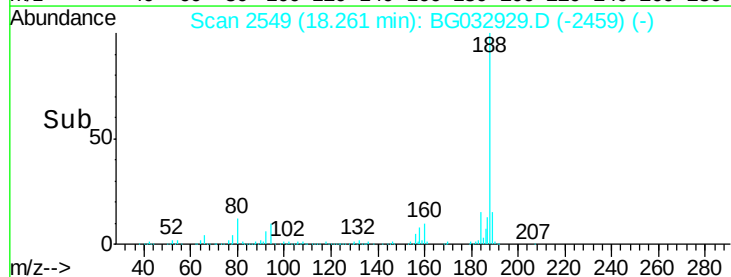
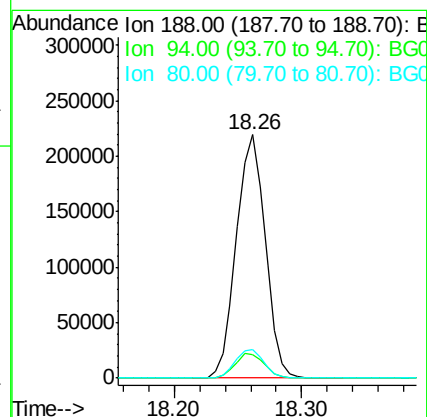
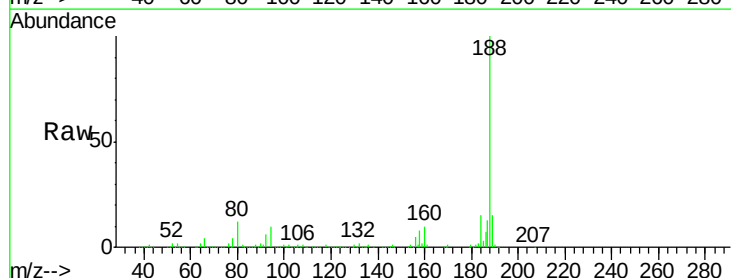
Instrument :
 BNA_G
 ClientSampleId :

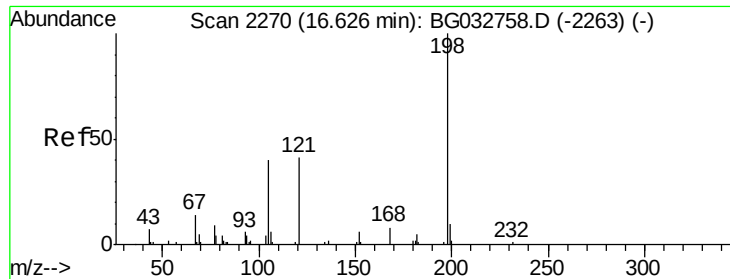
Tot Ion:165	Resp:	19221
Ion Ratio	Lower	Upper
165	100	
63	1.5	42.0 63.0#
89	1.5	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

Tgt Ion:188	Resp:	346563
Ion Ratio	Lower	Upper
188	100	
94	9.9	6.9 10.3
80	11.7	7.7 11.5#

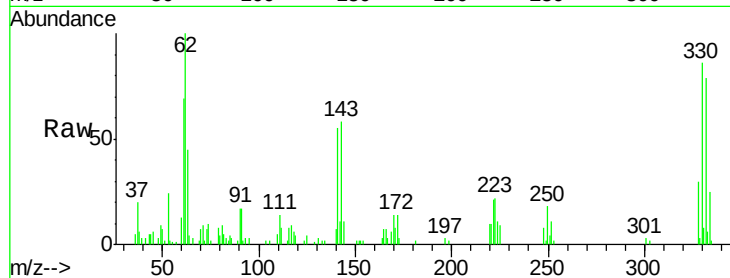




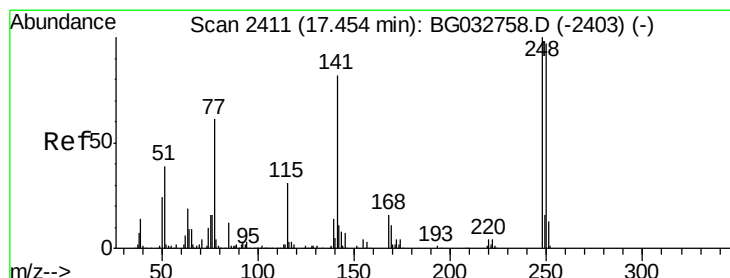
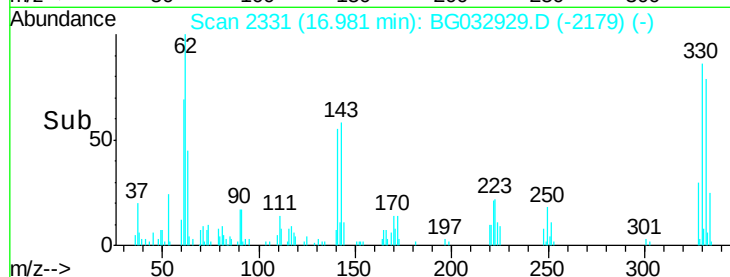
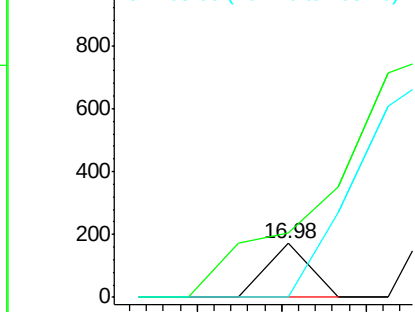
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.022 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. 0.36 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 61
 Ion Ratio Lower Upper
 198 100
 51 119.8 30.6 70.6#
 105 0.0 23.8 63.8#

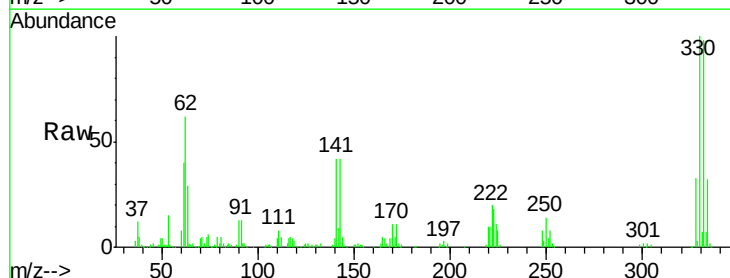


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

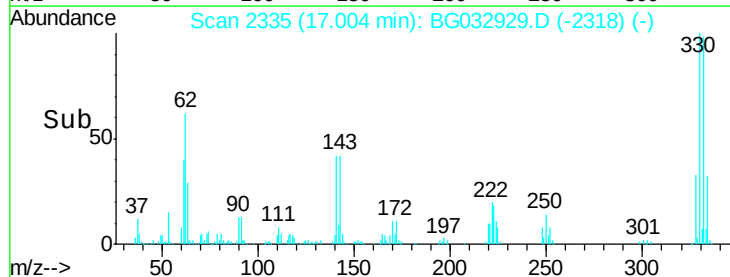
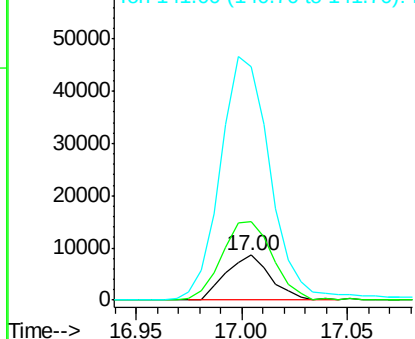


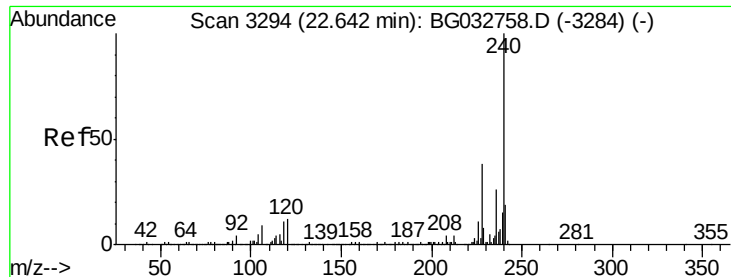
#66
 4-Bromophenyl-phenylether
 Concen: 3.436 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

Tgt Ion:248 Resp: 12591
 Ion Ratio Lower Upper
 248 100
 250 175.1 77.1 115.7#
 141 523.5 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# 3290

Delta R.T. -0.01 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

Instrument :

BNA_G

ClientSampleId :

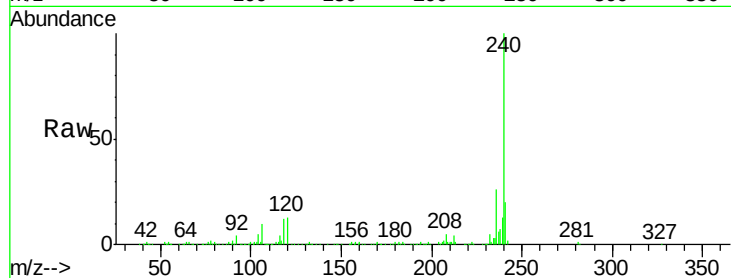
Tot Ion:240 Resp: 334068

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

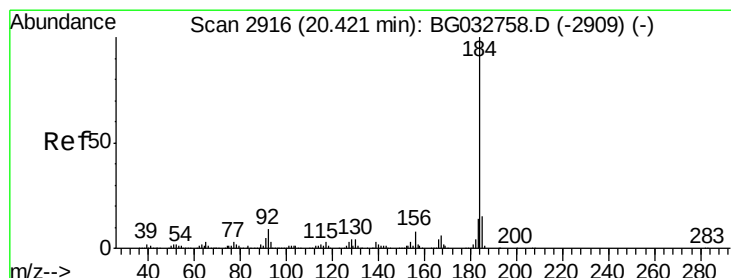
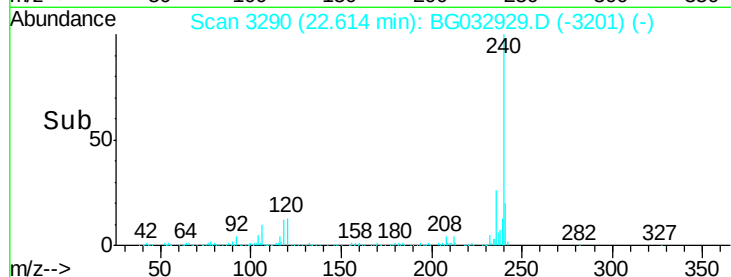
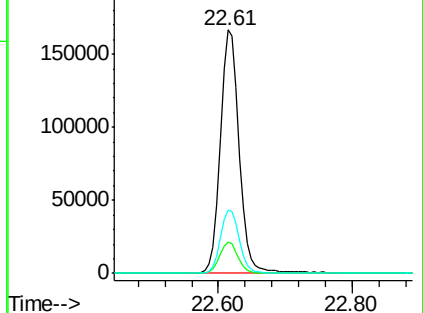
236 26.0 20.9 31.3



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: 2.081 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032929.D

Acq: 1 Mar 2018 22:39

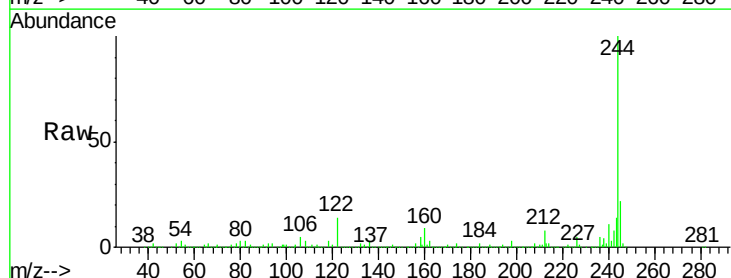
Tgt Ion:184 Resp: 23693

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

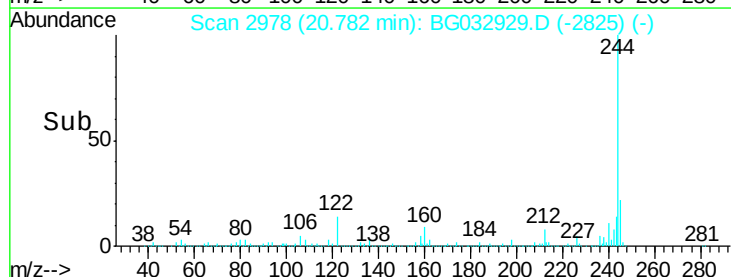
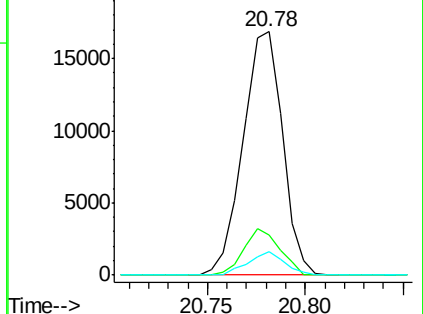
183 9.8 10.6 16.0#

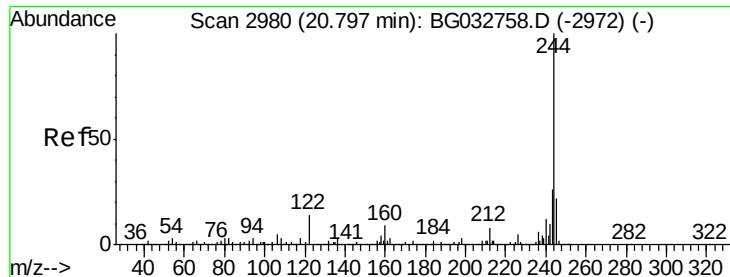


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

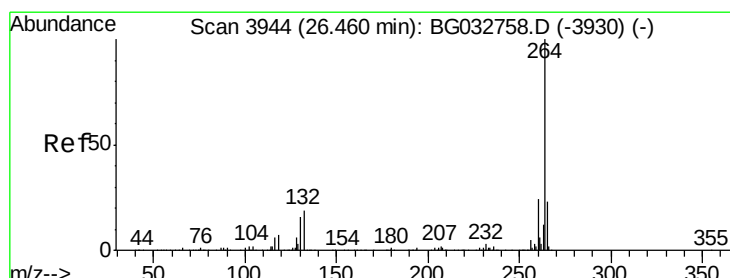
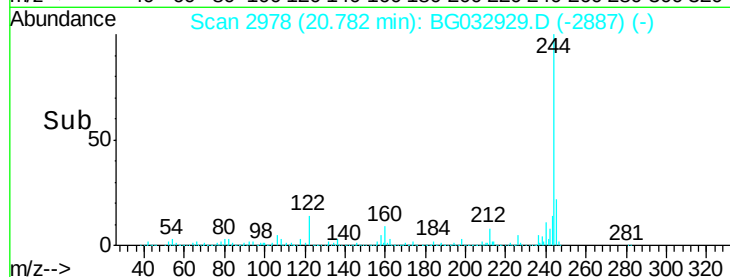
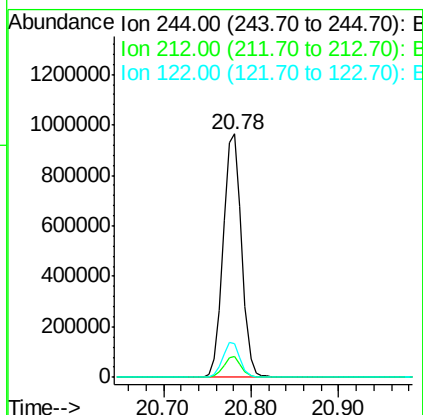
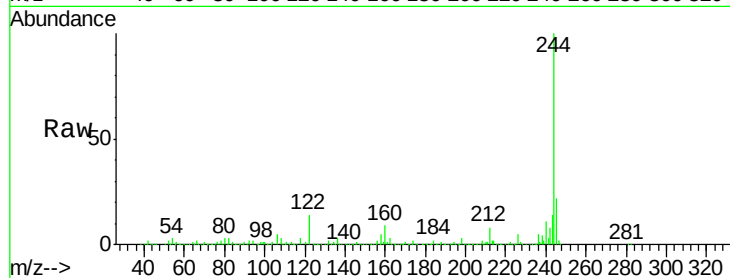




#78
 Terphenyl-d14
 Concen: 93.555 ng
 RT: 20.78 min Scan# 2978
 Delta R.T. 0.01 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1391071
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.8 8.8
 122 13.7 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.43 min Scan# 3939
 Delta R.T. 0.00 min
 Lab File: BG032929.D
 Acq: 1 Mar 2018 22:39

Tgt Ion:264 Resp: 333690
 Ion Ratio Lower Upper
 264 100
 260 24.8 17.4 26.0
 265 21.2 17.7 26.5

