

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032883.D
 Acq On : 28 Feb 2018 9:40
 Operator : SJ/JU
 Sample : J1697-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 11:18:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

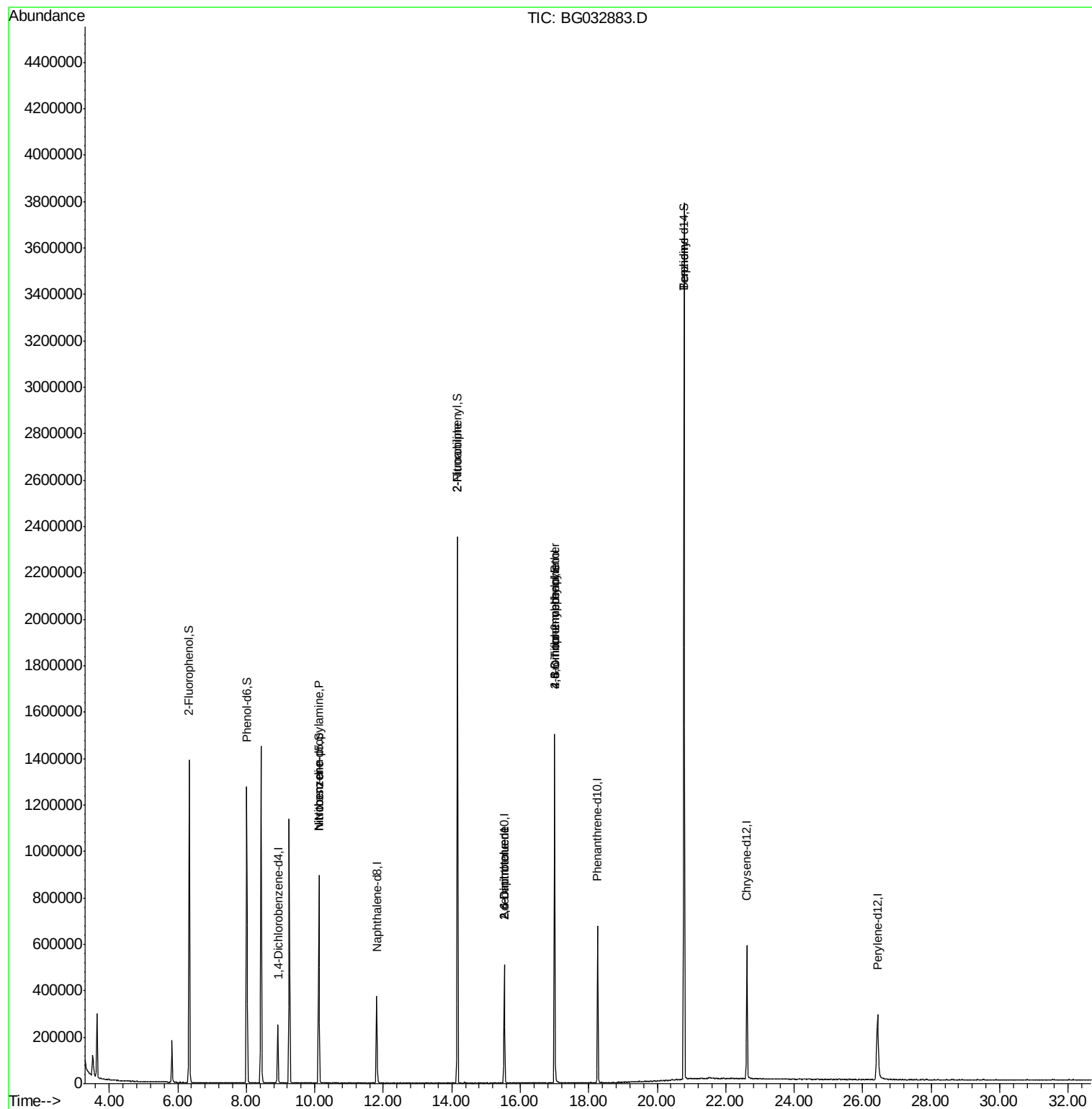
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	75984	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	333441	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	183213	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	406207	20.00	ng	0.00
75) Chrysene-d12	22.62	240	368894	20.00	ng	-0.01
86) Perylene-d12	26.43	264	375294	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	666638	140.36	ng	0.00
7) Phenol-d6	8.02	99	812642	122.75	ng	0.00
23) Nitrobenzene-d5	10.12	82	558336	112.56	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	262842	136.44	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1241029	97.69	ng	0.00
78) Terphenyl-d14	20.78	244	1693086	103.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	70713	15.130	ng	# 82
24) Nitrobenzene	10.12	77	1811	6.676	ng	# 48
47) 2-Nitroaniline	14.17	65	2191	10.413	ng	# 8
50) 2,6-Dinitrotoluene	15.53	165	23205	16.240	ng	# 20
56) 2,4-Dinitrotoluene	15.53	165	23205	14.437	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	751	5.734	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	18605	4.332	ng	# 1
76) Benzidine	20.78	184	29750	2.366	ng	# 90

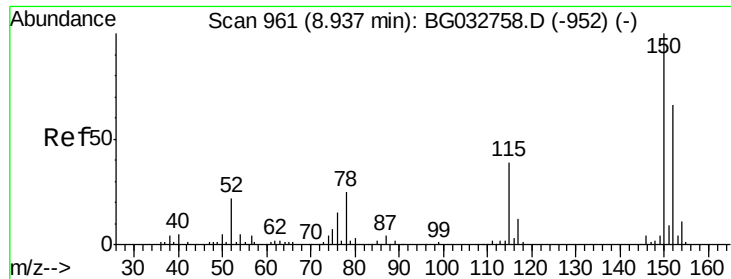
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 28 11:18:19 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration



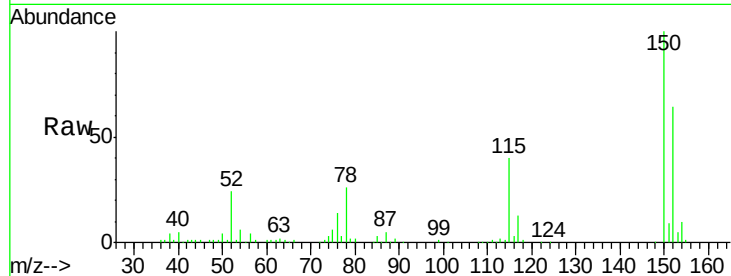


#1

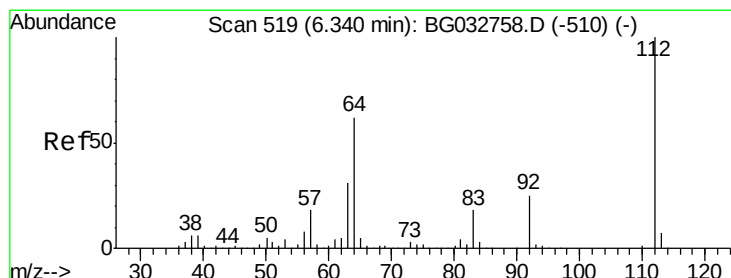
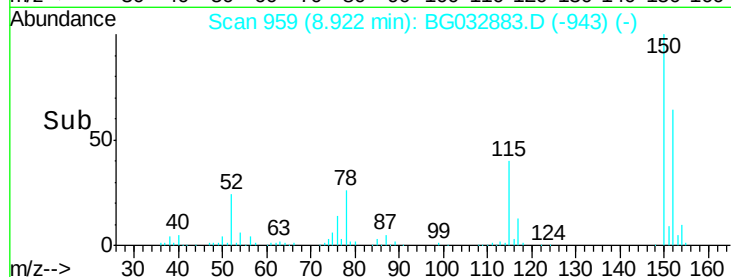
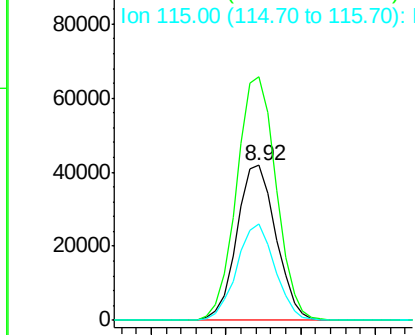
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032883.D
Acq: 28 Feb 2018 9:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 75984
Ion Ratio Lower Upper
152 100
150 157.0 126.6 189.8
115 62.6 53.0 79.4



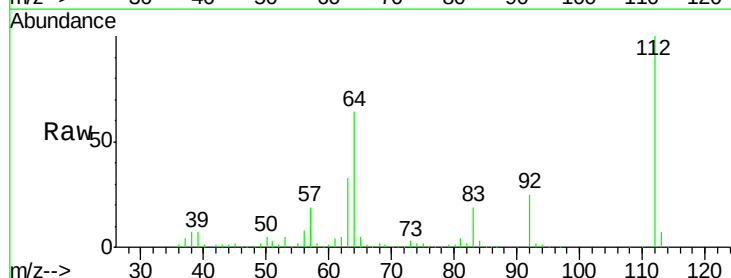
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



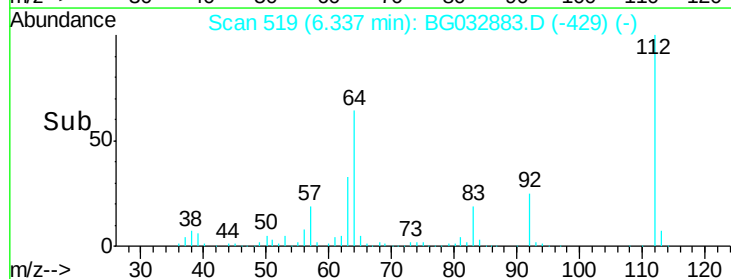
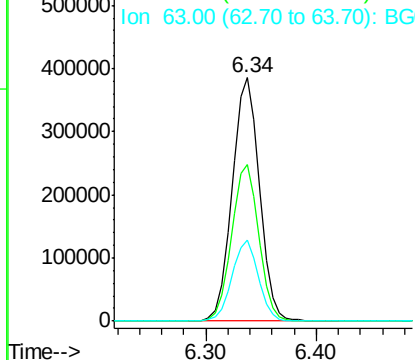
#5

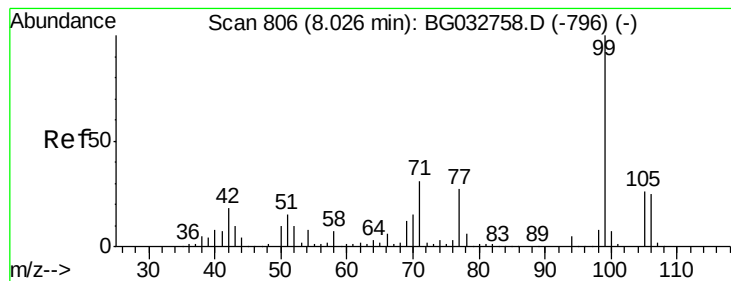
2-Fluorophenol
Concen: 140.362 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032883.D
Acq: 28 Feb 2018 9:40

Tgt Ion:112 Resp: 666638
Ion Ratio Lower Upper
112 100
64 64.1 56.3 84.5
63 33.2 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: 122.755 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

Instrument :

BNA_G

ClientSampled :

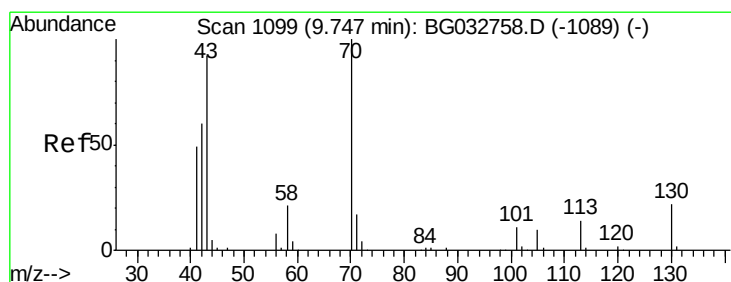
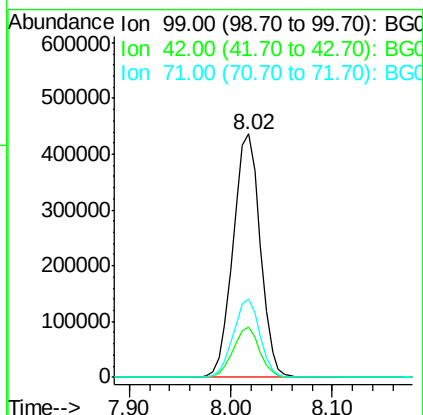
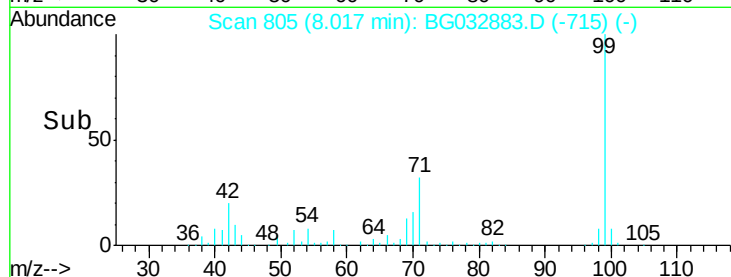
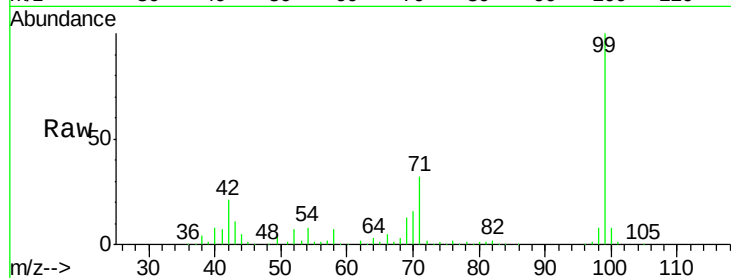
Tot Ion: 99 Resp: 812642

Ion Ratio Lower Upper

99 100

42 20.5 14.1 21.1

71 32.5 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 15.130 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

Tgt Ion: 70 Resp: 70713

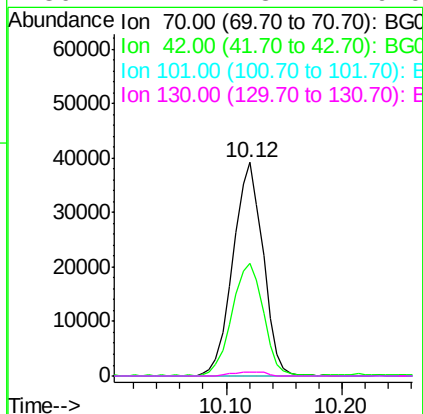
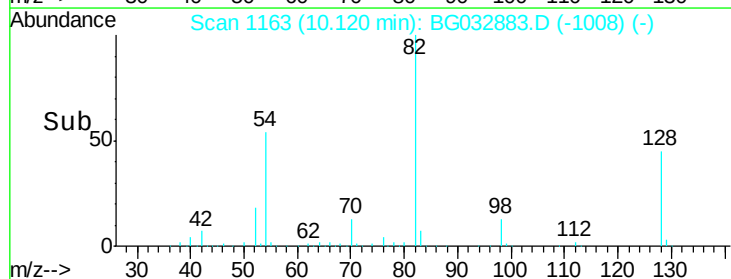
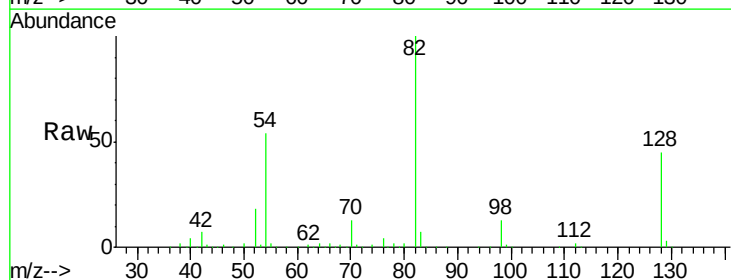
Ion Ratio Lower Upper

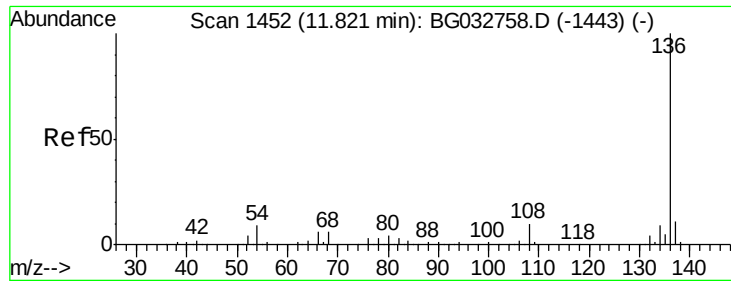
70 100

42 52.7 49.1 73.7

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

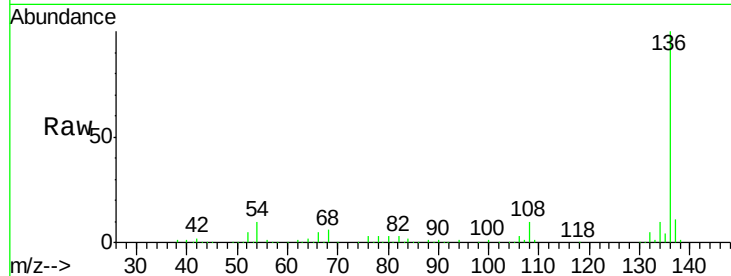




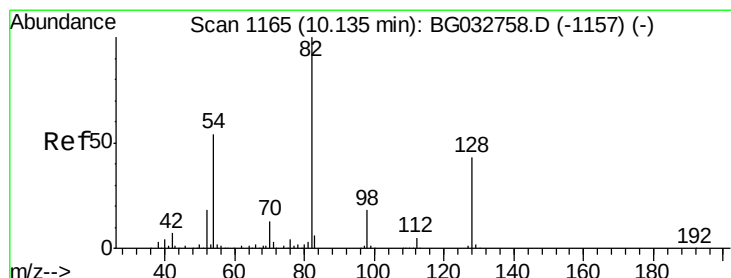
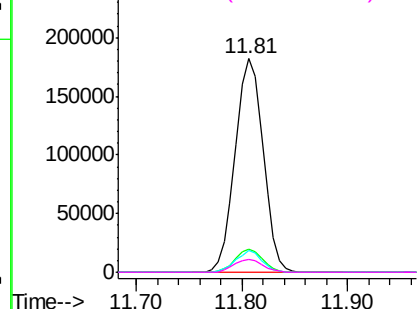
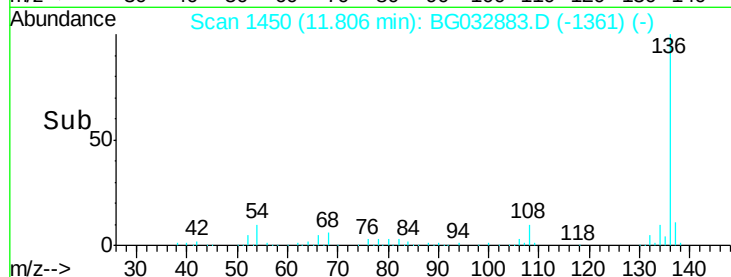
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032883.D
Acq: 28 Feb 2018 9:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 333441
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 10.3 10.3 15.5#
68 6.1 4.5 6.7

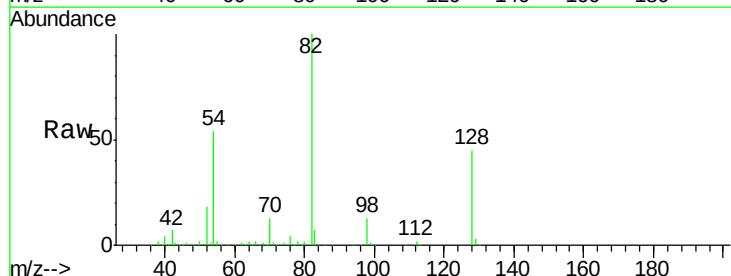


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

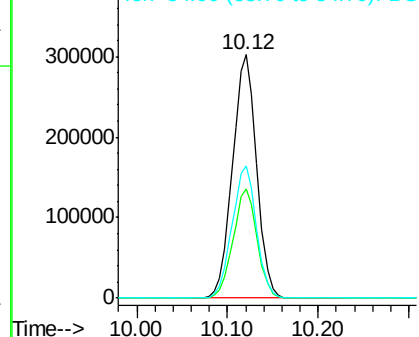
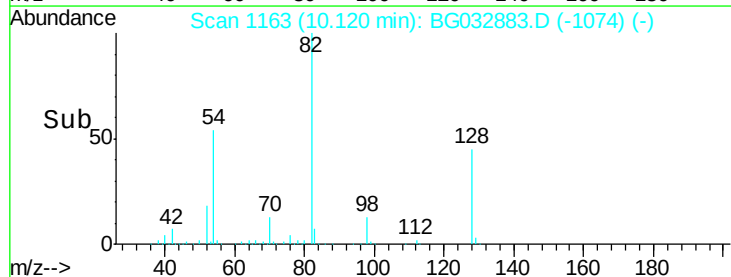


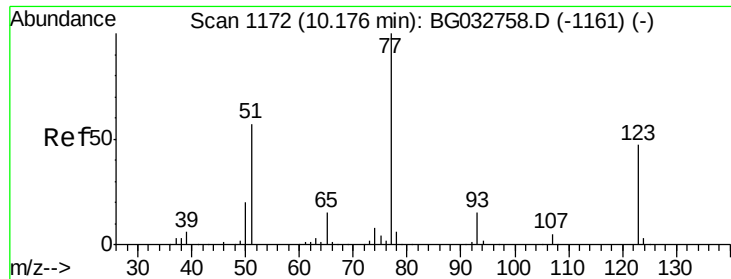
#23
Nitrobenzene-d5
Concen: 112.561 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032883.D
Acq: 28 Feb 2018 9:40

Tgt Ion: 82 Resp: 558336
Ion Ratio Lower Upper
82 100
128 45.0 29.7 44.5#
54 54.4 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

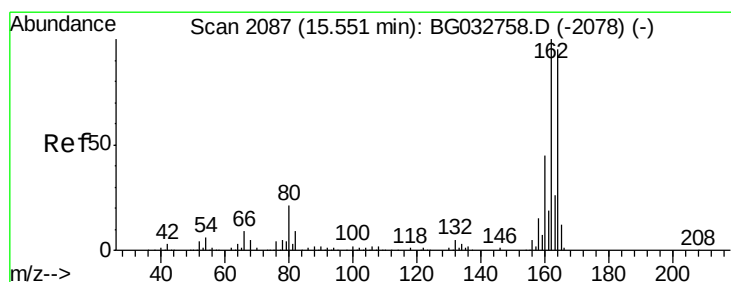
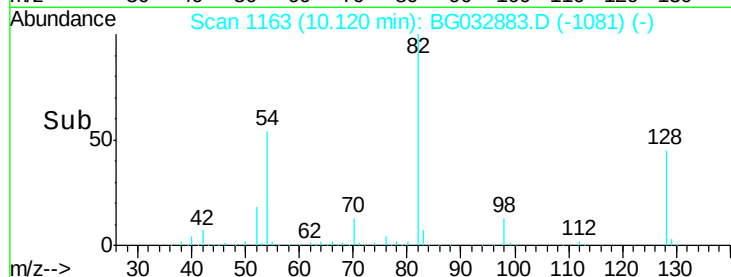
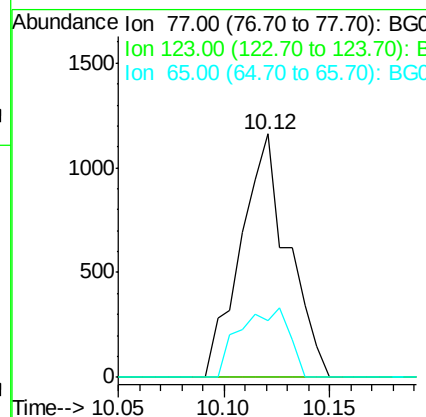
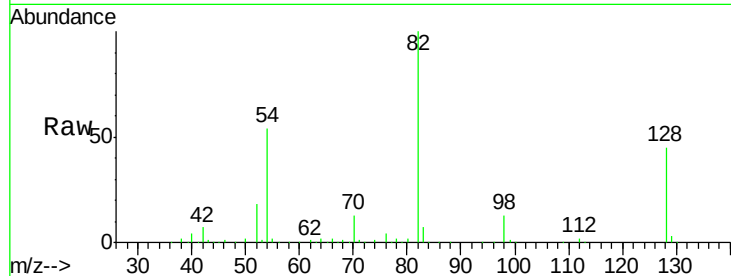




#24
 Nitrobenzene
 Concen: 6.676 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032883.D
 Acq: 28 Feb 2018 9:40

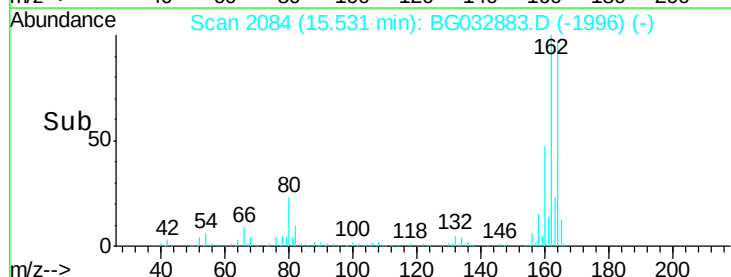
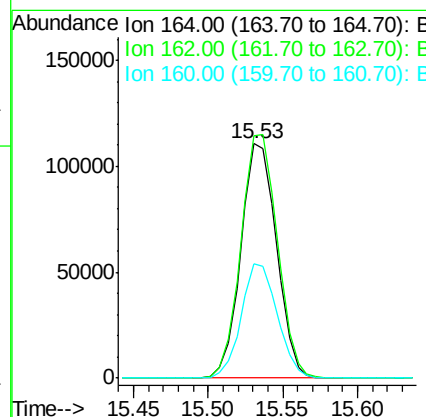
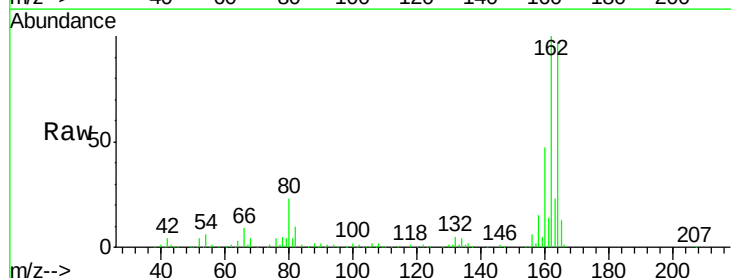
Instrument :
 BNA_G
 ClientSampleId :

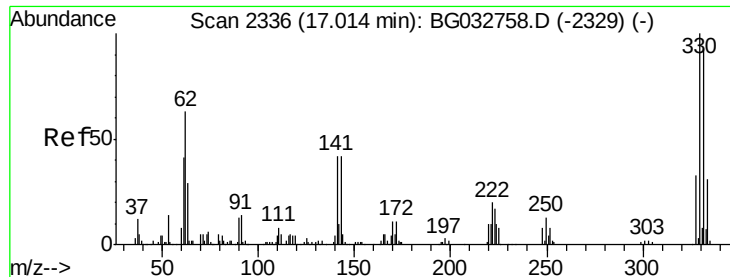
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	23.5	13.0	19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BG032883.D
 Acq: 28 Feb 2018 9:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	78.8	118.2
160	48.6	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 136.441 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

Instrument :

BNA_G

ClientSampleId :

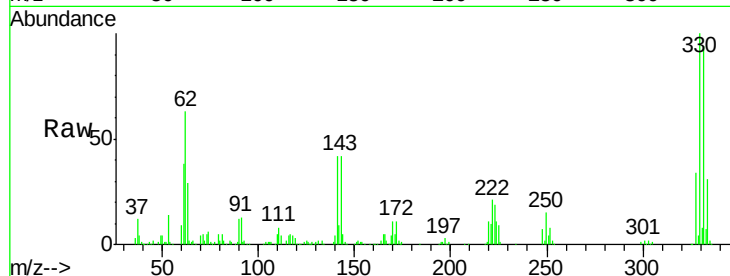
Tot Ion:330 Resp: 262842

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

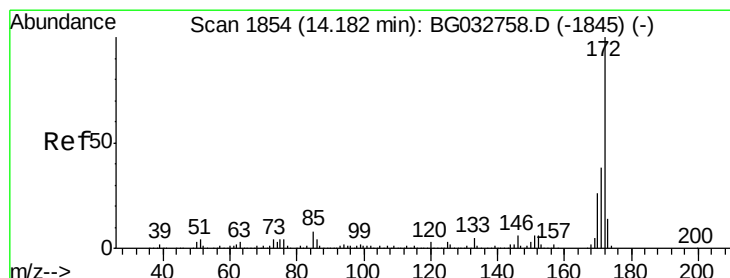
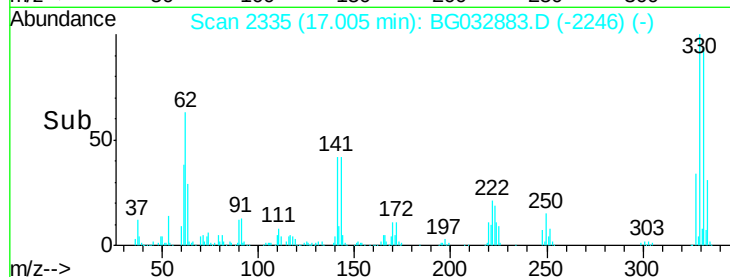
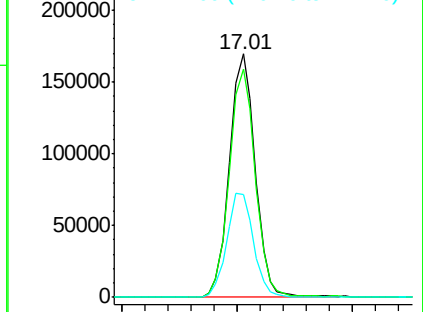
141 44.4 25.2 37.8#



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: 97.694 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

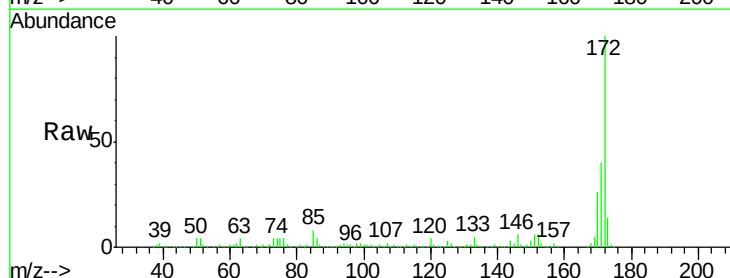
Tgt Ion:172 Resp: 1241029

Ion Ratio Lower Upper

172 100

171 39.6 30.0 45.0

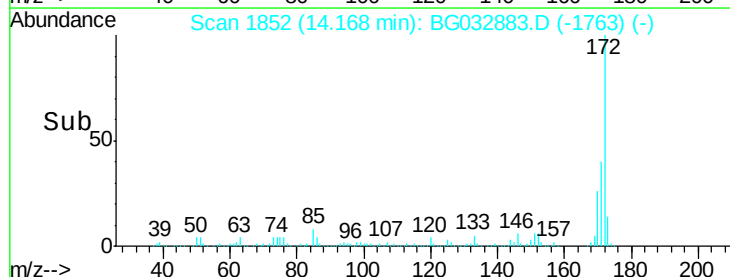
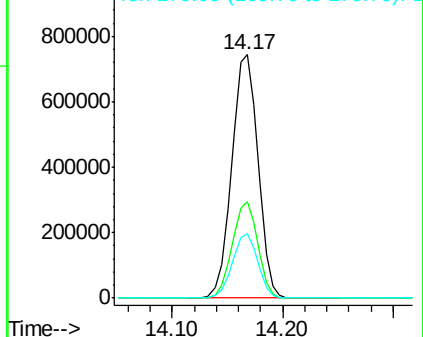
170 26.4 19.5 29.3

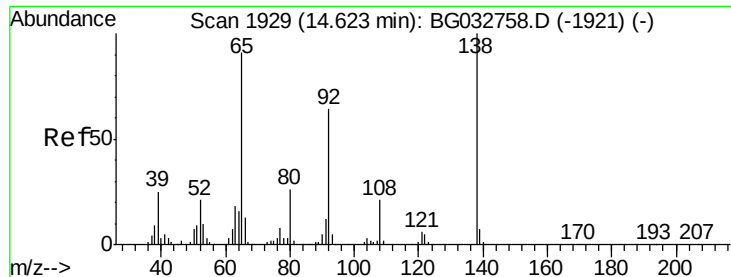


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 10.413 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.45 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

Instrument :

BNA_G

ClientSampled :

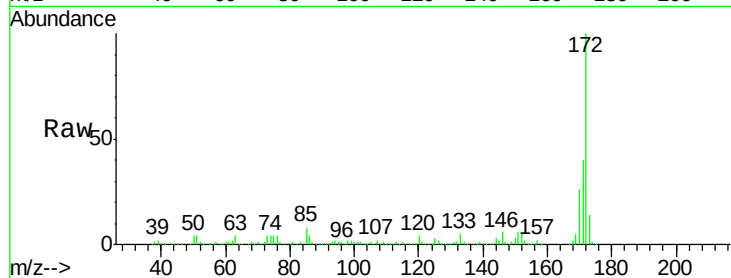
Tot Ion: 65 Resp: 2191

Ion Ratio Lower Upper

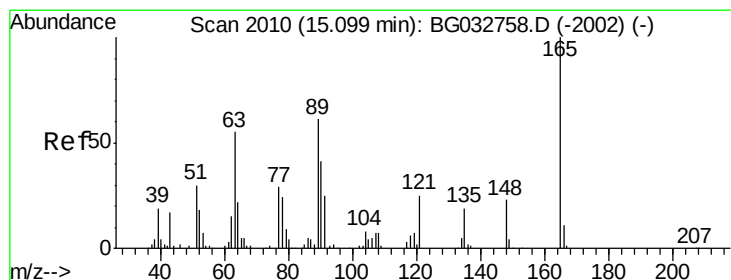
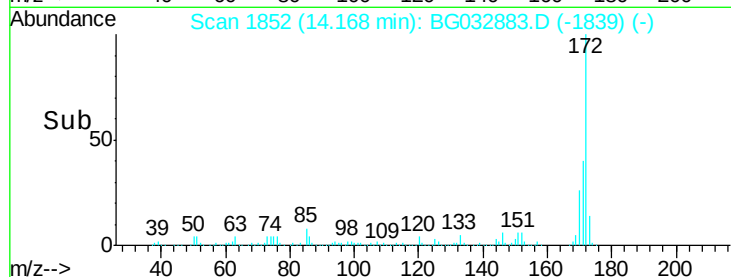
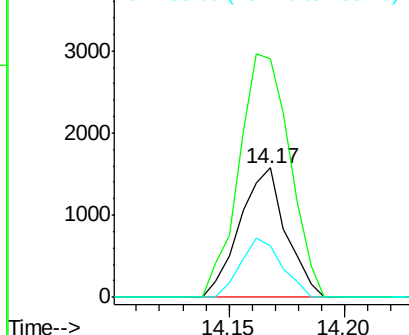
65 100

92 184.5 54.6 82.0#

138 40.1 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.240 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

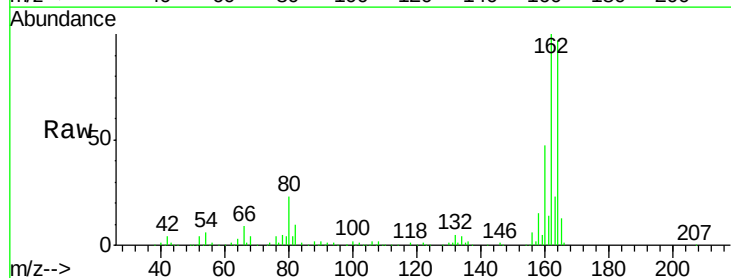
Tgt Ion: 165 Resp: 23205

Ion Ratio Lower Upper

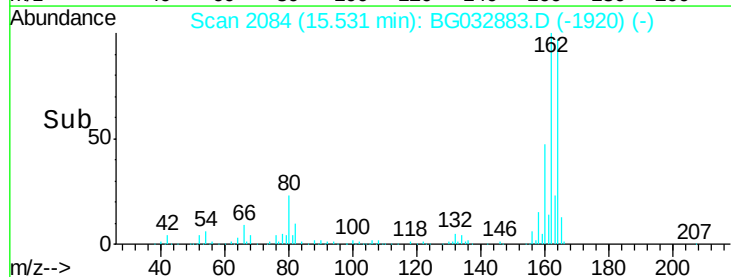
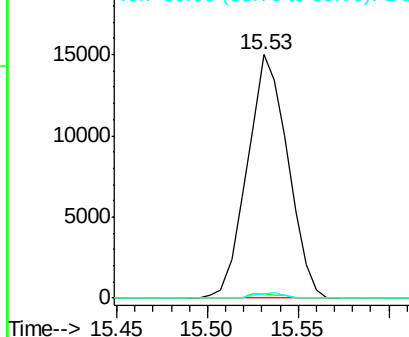
165 100

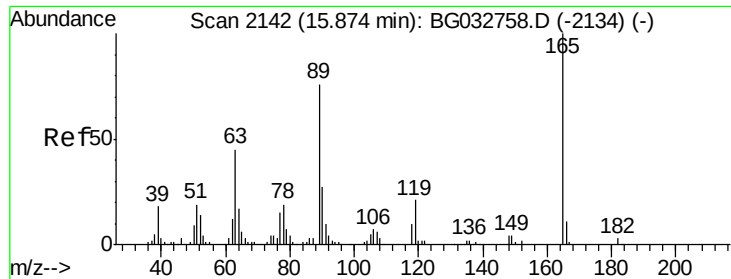
63 1.6 52.7 79.1#

89 1.8 49.2 73.8#



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

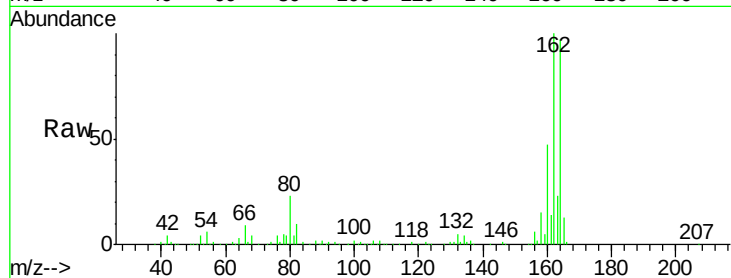




#56
 2,4-Dinitrotoluene
 Concen: 14.437 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032883.D
 Acq: 28 Feb 2018 9:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#

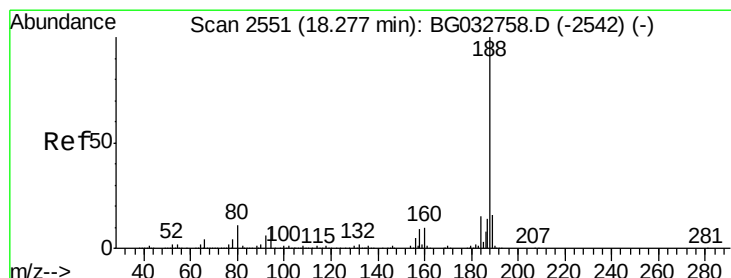
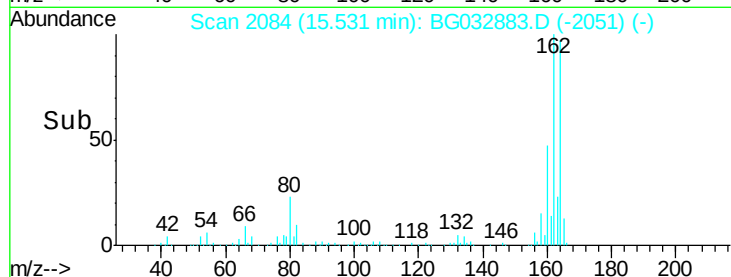
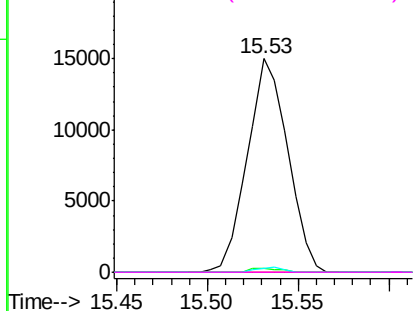


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

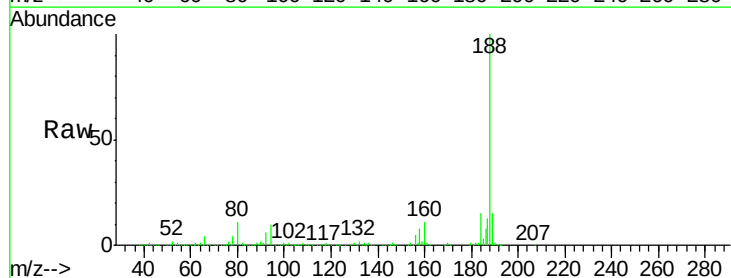
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032883.D
 Acq: 28 Feb 2018 9:40

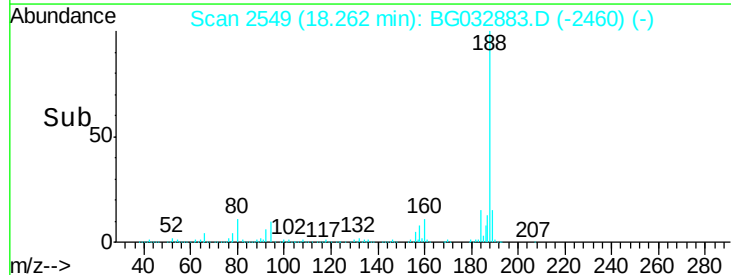
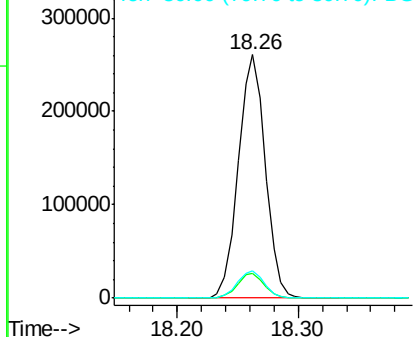
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	6.9	10.3
80	11.5	7.7	11.5

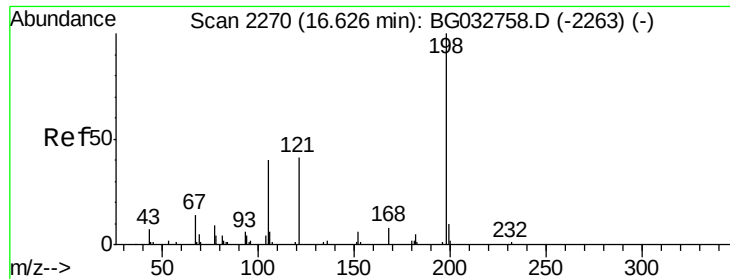


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

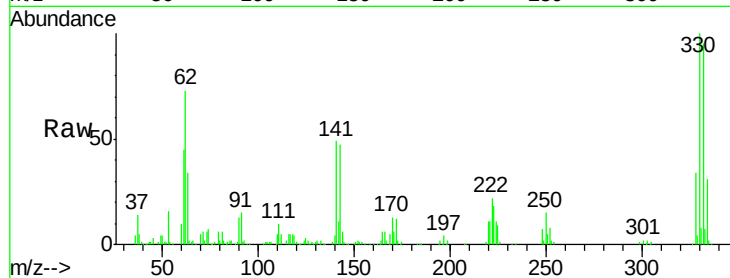




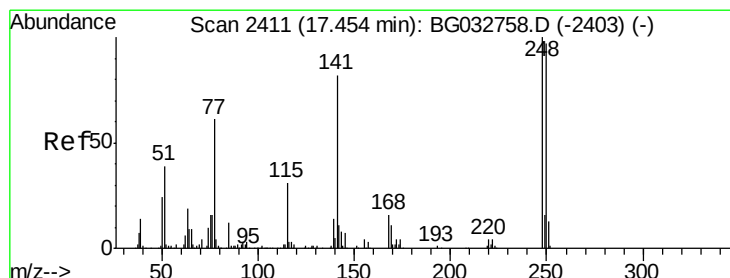
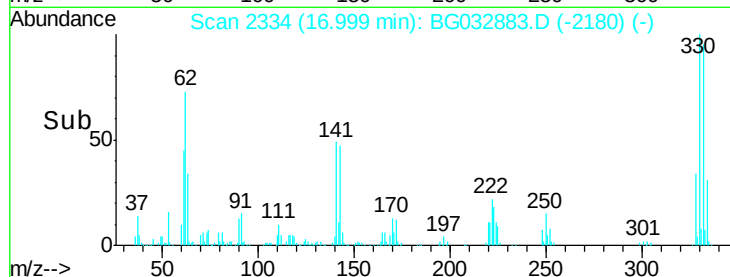
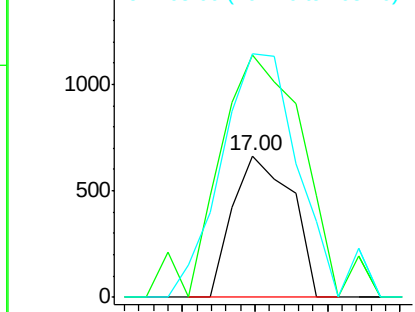
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.734 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.38 min
 Lab File: BG032883.D
 Acq: 28 Feb 2018 9:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 751
 Ion Ratio Lower Upper
 198 100
 51 171.2 30.6 70.6#
 105 172.4 23.8 63.8#

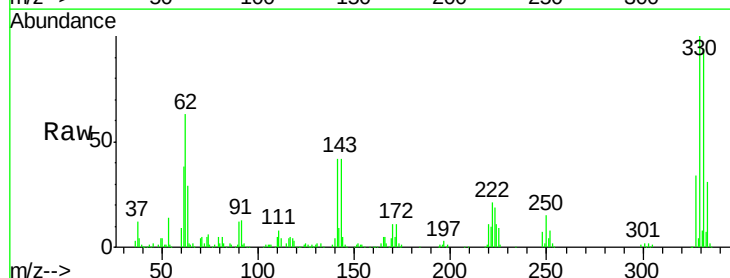


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

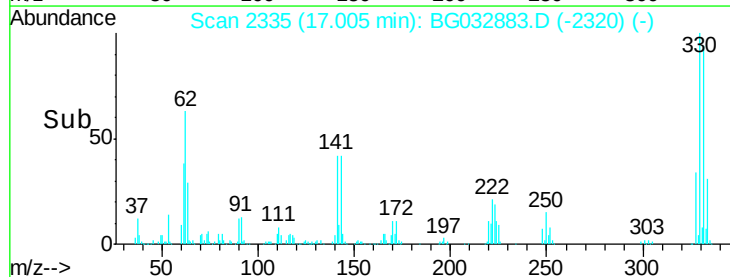
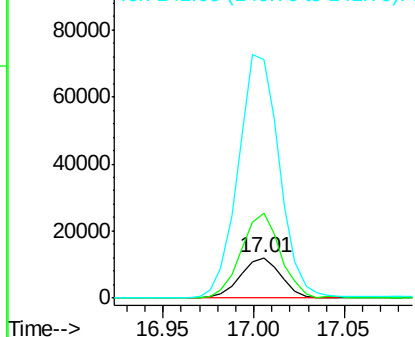


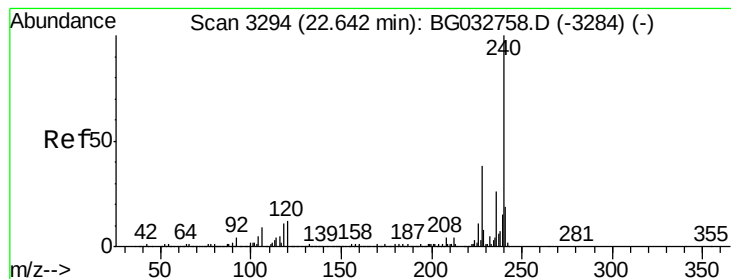
#66
 4-Bromophenyl-phenylether
 Concen: 4.332 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032883.D
 Acq: 28 Feb 2018 9:40

Tgt Ion:248 Resp: 18605
 Ion Ratio Lower Upper
 248 100
 250 211.5 77.1 115.7#
 141 595.7 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: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

Instrument :

BNA_G

ClientSampled :

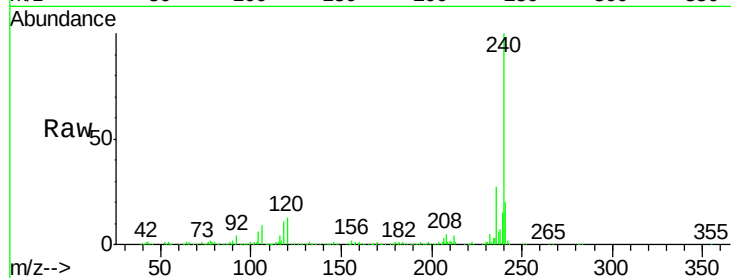
Tot Ion:240 Resp: 368894

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

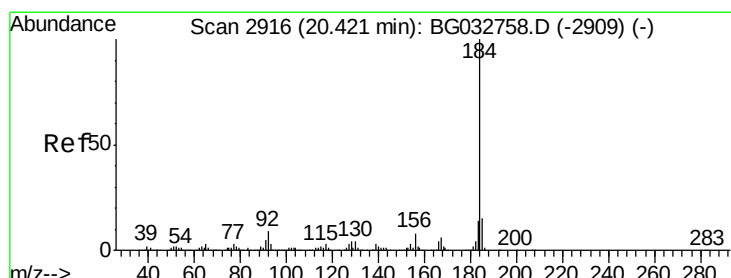
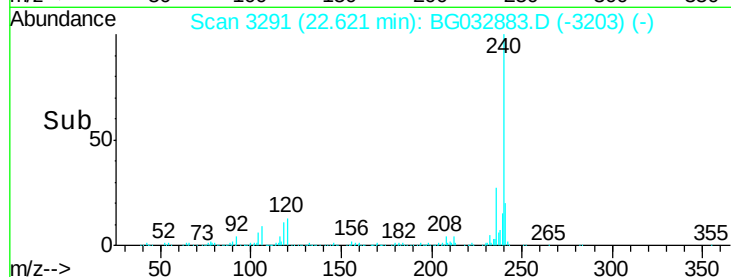
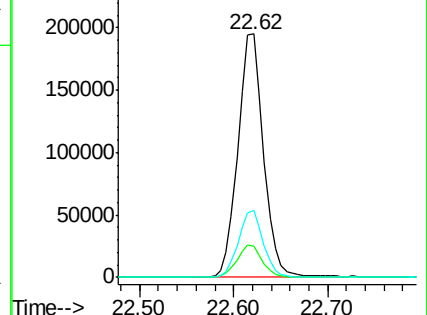
236 27.5 20.9 31.3



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: 2.366 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

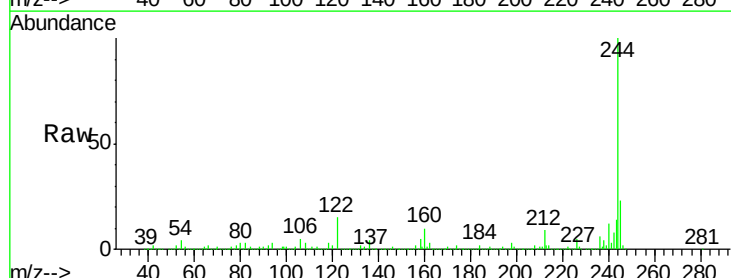
Tgt Ion:184 Resp: 29750

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

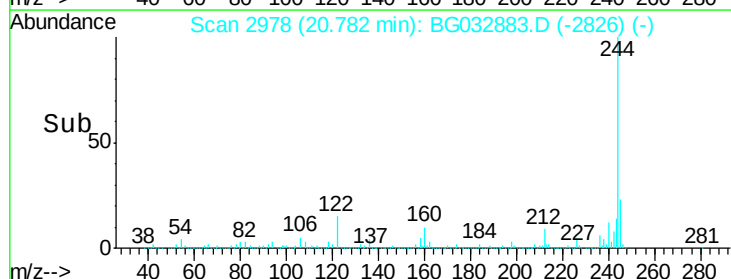
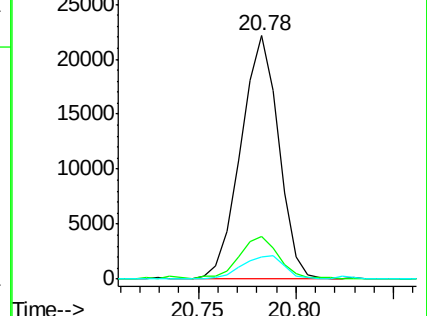
183 8.9 10.6 16.0#

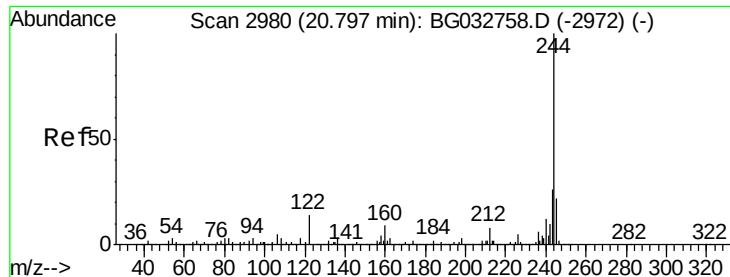


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 103.116 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

Instrument :

BNA_G

ClientSampleId :

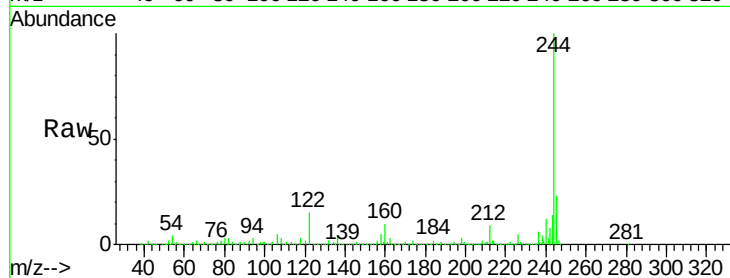
Tot Ion:244 Resp: 1693086

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

122 15.4 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

20.78

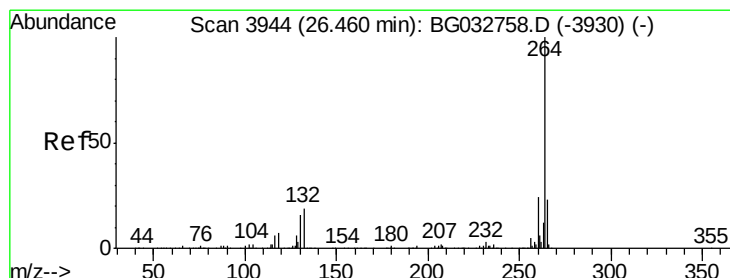
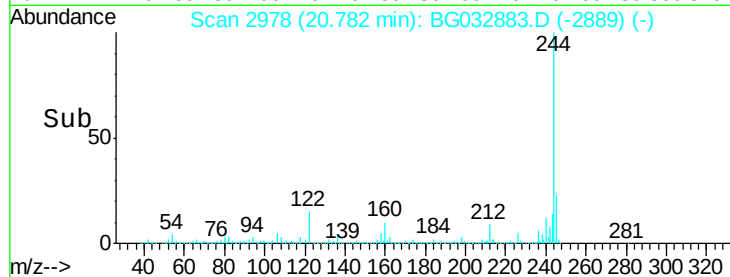
1500000

1000000

500000

0

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3940

Delta R.T. -0.00 min

Lab File: BG032883.D

Acq: 28 Feb 2018 9:40

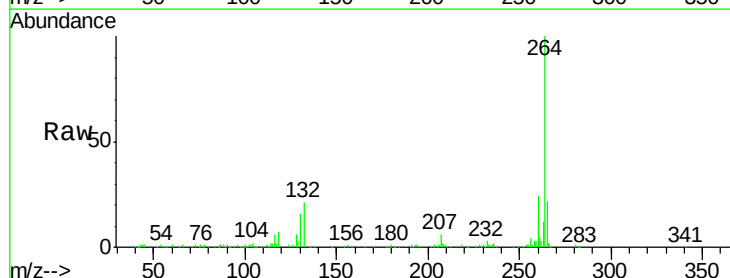
Tgt Ion:264 Resp: 375294

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 21.8 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

26.43

120000

100000

80000

60000

40000

20000

0

Time-->

