

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031781.D
 Acq On : 27 Dec 2017 4:01
 Operator : SJ/JU
 Sample : I7004-06DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-5-121817

Quant Time: Dec 27 04:54:12 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

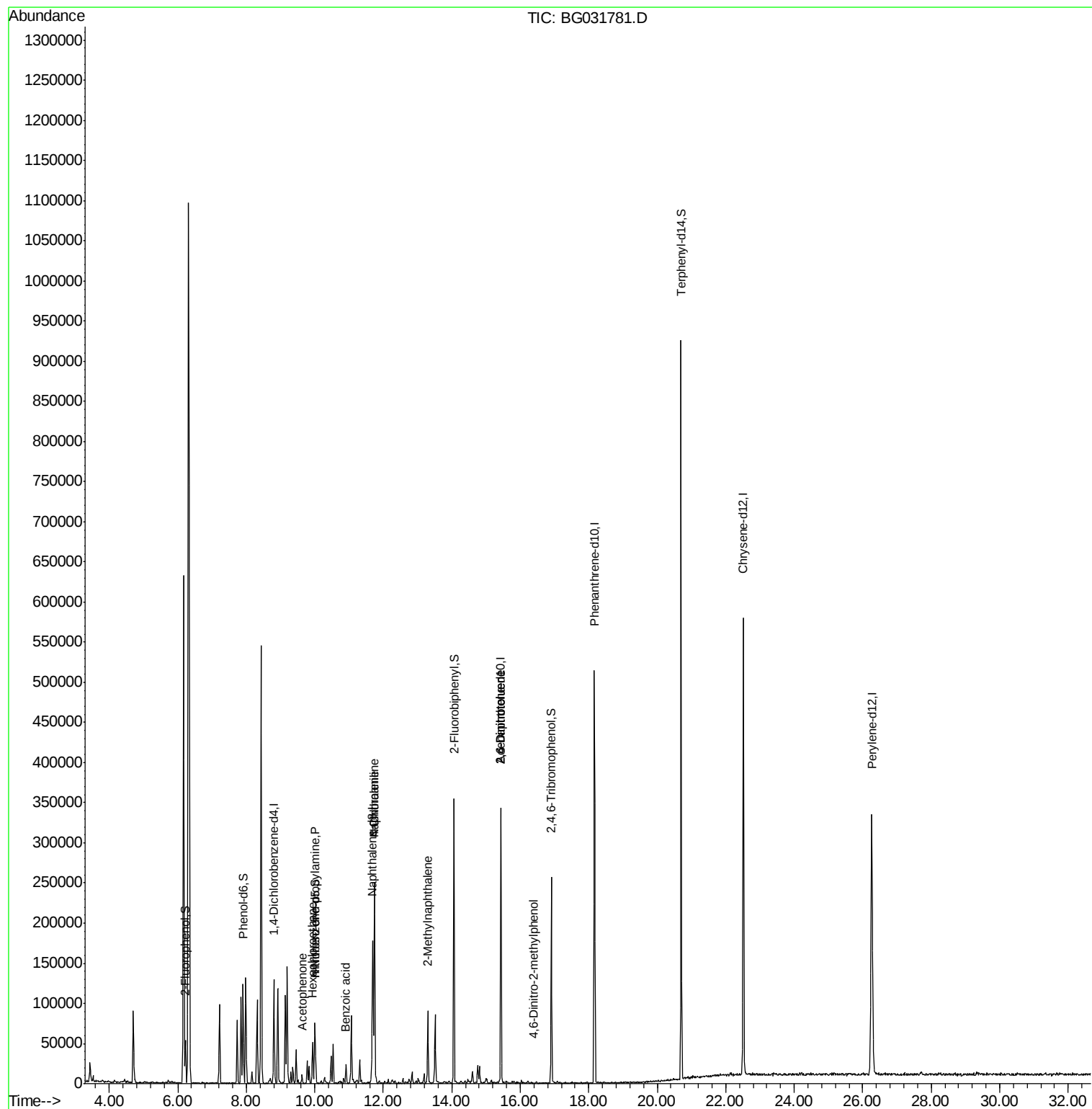
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	43351	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	180305	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	133661	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	366660	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	444568	20.00	ng	-0.06
86) Perylene-d12	26.26	264	472882	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	28598	12.02	ng	-0.02
7) Phenol-d6	7.90	99	23538	7.62	ng	-0.03
23) Nitrobenzene-d5	10.00	82	49012	20.53	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	61989	30.39	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	213781	20.07	ng	-0.03
78) Terphenyl-d14	20.70	244	480205	24.68	ng	-0.04
Target Compounds						Qvalue
18) Hexachloroethane	9.94	117	7280	6.86	ng	# 1
19) n-Nitroso-di-n-propylamine	10.00	70	5963	2.83	ng	# 72
22) Acetophenone	9.63	105	9132	2.18	ng	# 54
31) Naphthalene	11.74	128	237734	26.13	ng	# 99
32) Benzoic acid	10.89	122	76	6.73	ng	# 1
33) 4-Chloroaniline	11.74	127	33391	8.24	ng	# 34
37) 2-Methylnaphthalene	13.30	142	51123	6.93	ng	# 94
50) 2,6-Dinitrotoluene	15.43	165	17905	8.27	ng	# 21
56) 2,4-Dinitrotoluene	15.43	165	17905	6.43	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.38	198	60	8.33	ng	# 29

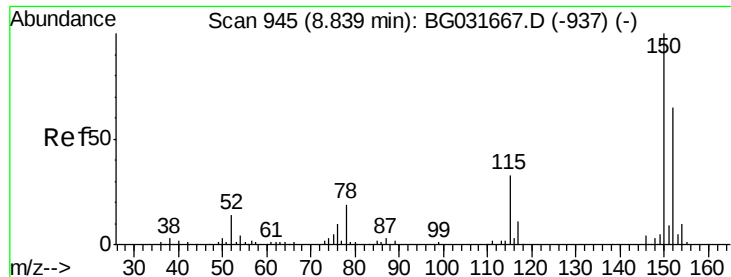
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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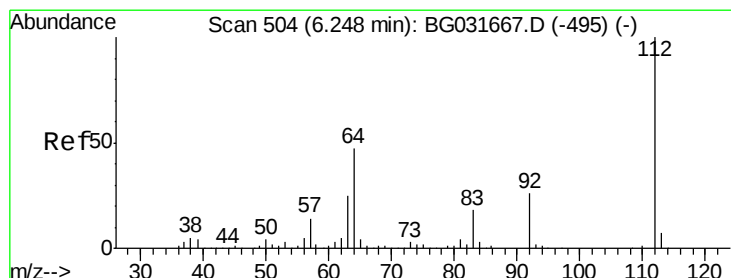
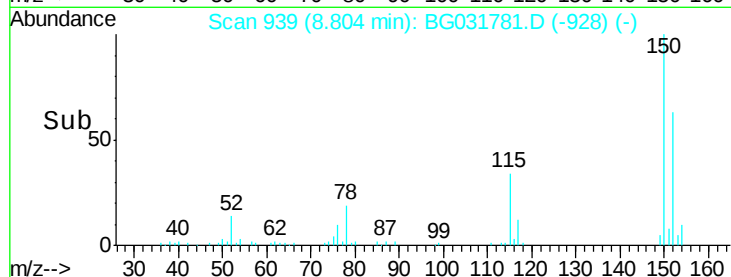
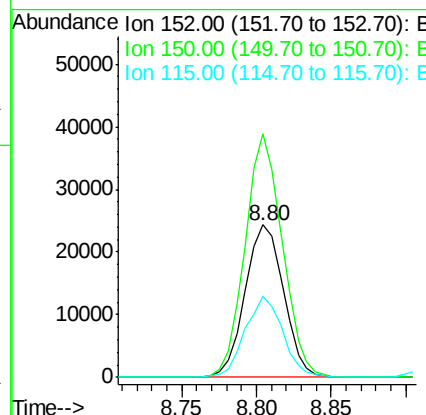
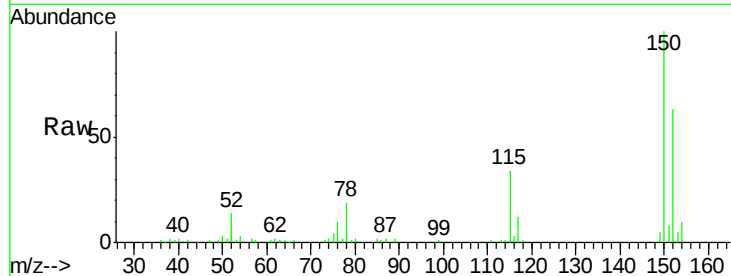




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.80 min Scan# 939
 Delta R.T. -0.03 min
 Lab File: BG031781.D
 Acq: 27 Dec 2017 4:01

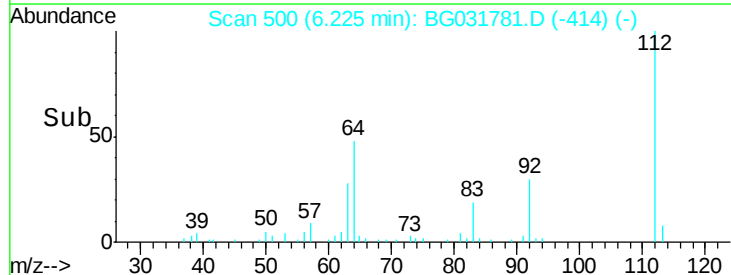
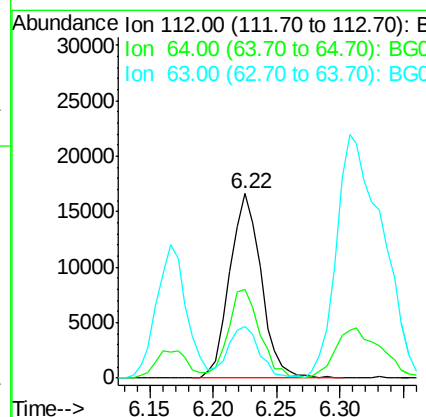
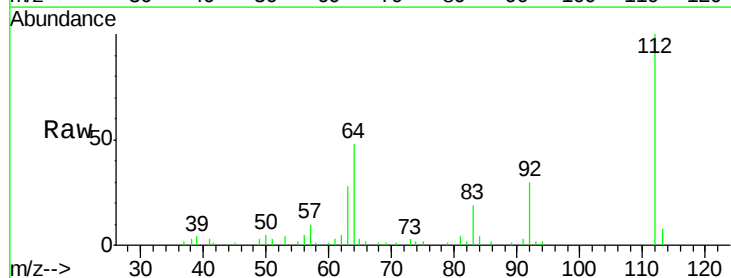
Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-5-121817

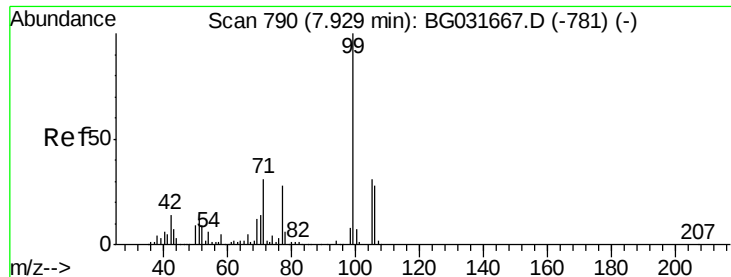
Tot Ion:152 Resp: 43351
 Ion Ratio Lower Upper
 152 100
 150 159.6 126.6 189.8
 115 53.5 53.0 79.4



#5
 2-Fluorophenol
 Concen: 12.02 ng
 RT: 6.22 min Scan# 500
 Delta R.T. -0.02 min
 Lab File: BG031781.D
 Acq: 27 Dec 2017 4:01

Tgt Ion:112 Resp: 28598
 Ion Ratio Lower Upper
 112 100
 64 48.5 56.3 84.5#
 63 27.8 30.1 45.1#





#7

Phenol-d6

Concen: 7.62 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

Instrument :

BNA_G

ClientSampleId :

PR-MW-5-121817

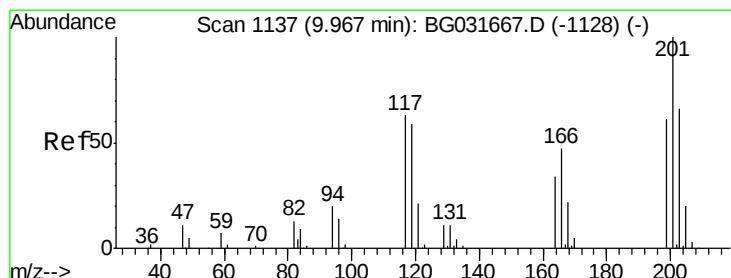
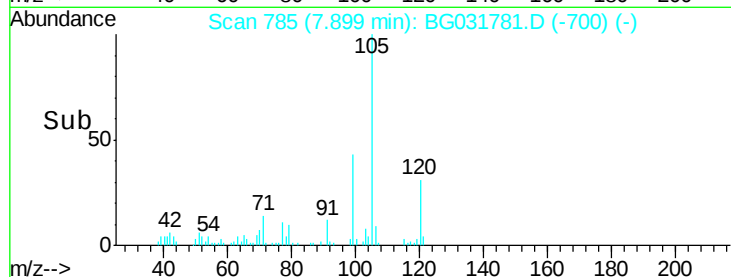
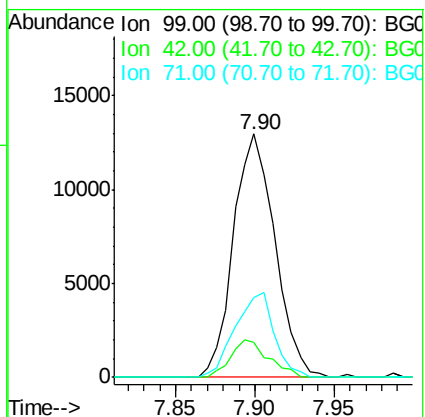
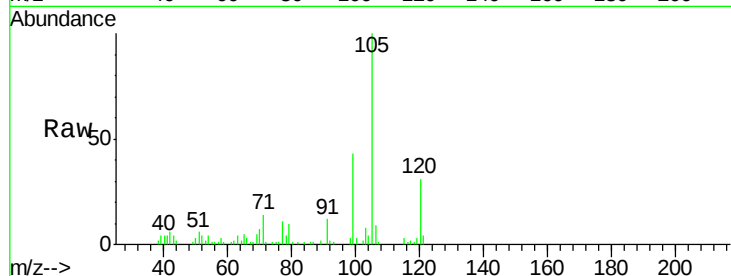
Tot Ion: 99 Resp: 23538

Ion Ratio Lower Upper

99 100

42 14.4 14.1 21.1

71 32.8 26.1 39.1



#18

Hexachloroethane

Concen: 6.86 ng

RT: 9.94 min Scan# 1133

Delta R.T. -0.02 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

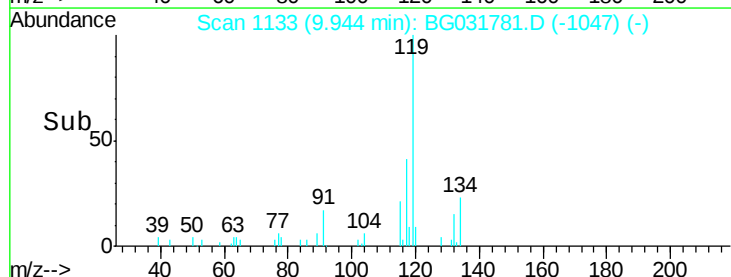
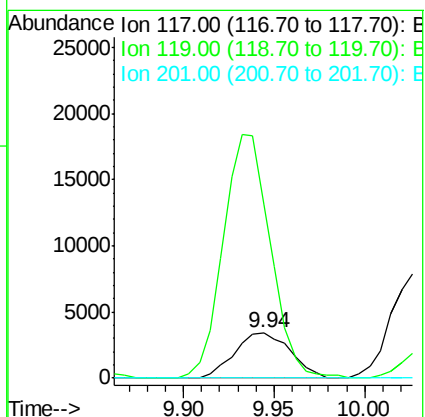
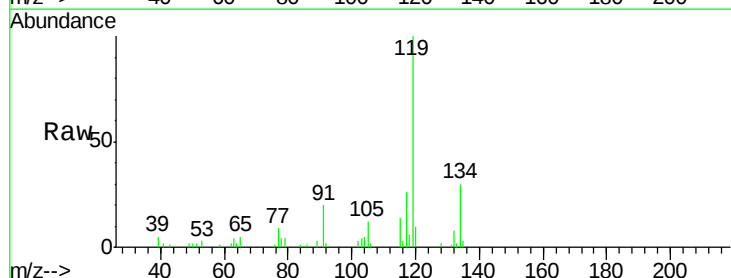
Tgt Ion: 117 Resp: 7280

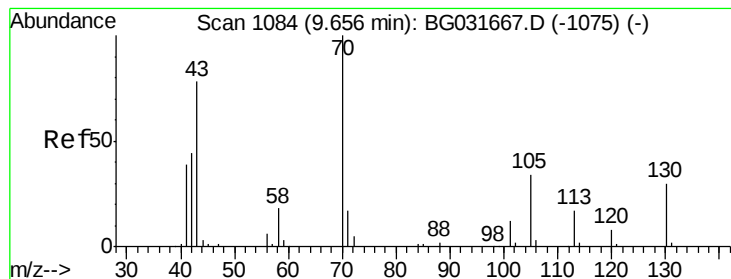
Ion Ratio Lower Upper

117 100

119 382.8 76.7 115.1#

201 0.0 95.7 143.5#





#19

n-Nitroso-di-n-propylamine

Concen: 2.83 ng

RT: 10.00 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

Instrument :

BNA_G

ClientSampleId :

PR-MW-5-121817

Tot Ion: 70 Resp: 5963

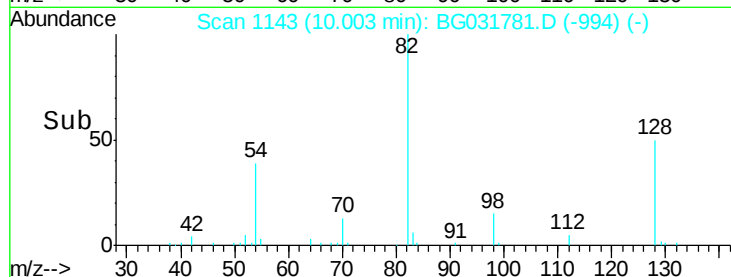
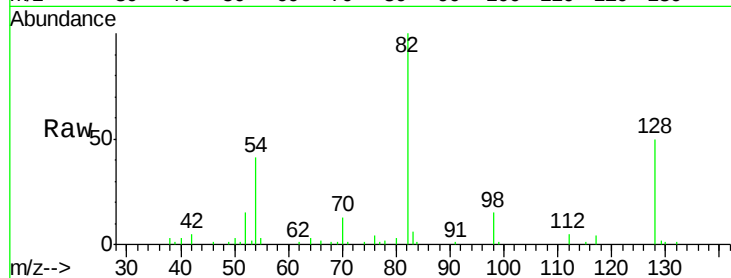
Ion Ratio Lower Upper

70 100

42 39.5 49.1 73.7#

101 0.0 8.5 12.7#

130 5.6 13.4 20.0#

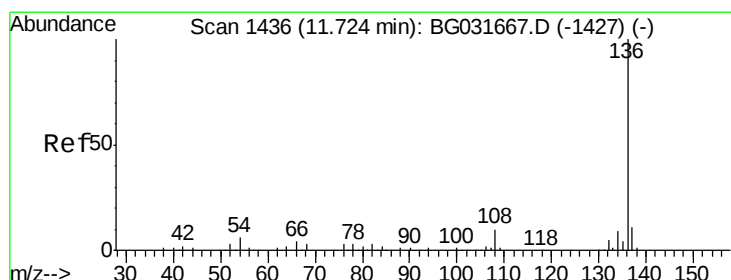
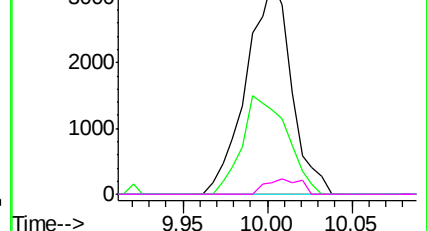


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.00 ng

RT: 11.69 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

Tgt Ion: 136 Resp: 180305

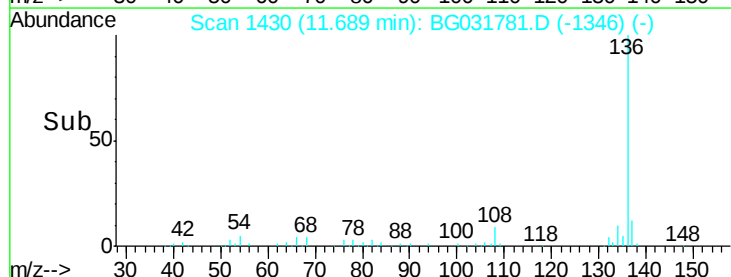
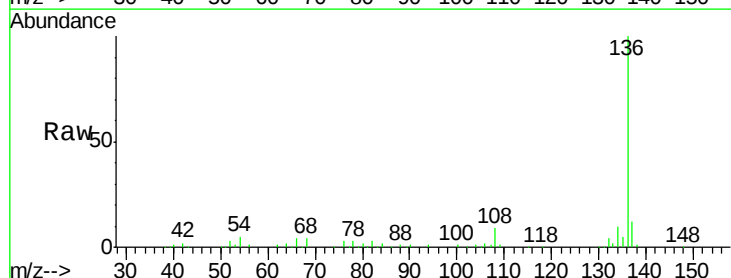
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 5.0 10.3 15.5#

68 4.5 4.5 6.7#

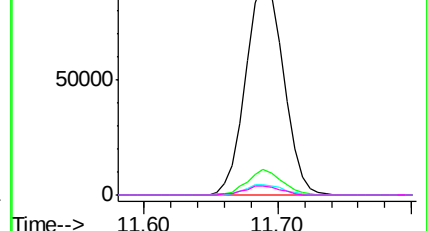


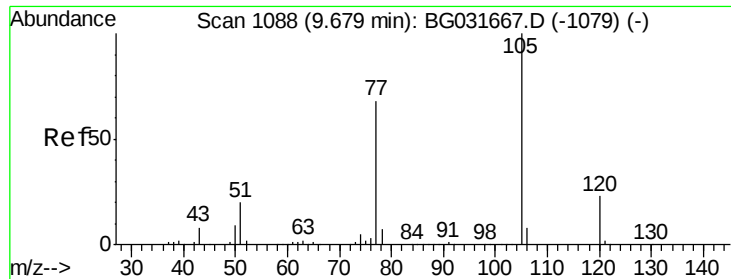
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#22

Acetophenone

Concen: 2.18 ng

RT: 9.63 min Scan# 1079

Delta R.T. -0.05 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

Instrument :

BNA_G

ClientSampleId :

PR-MW-5-121817

Tot Ion: 105 Resp: 9132

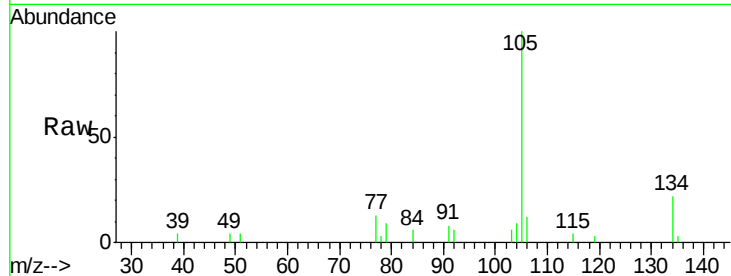
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 4.5 26.1 39.1#

120 0.0 17.4 26.2#

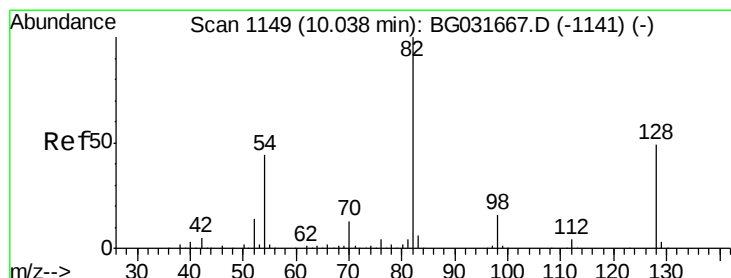
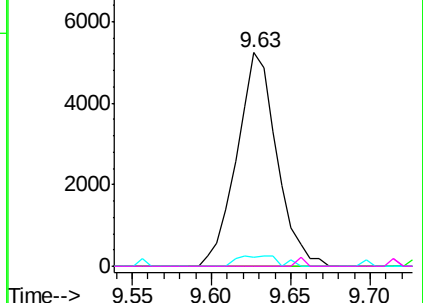
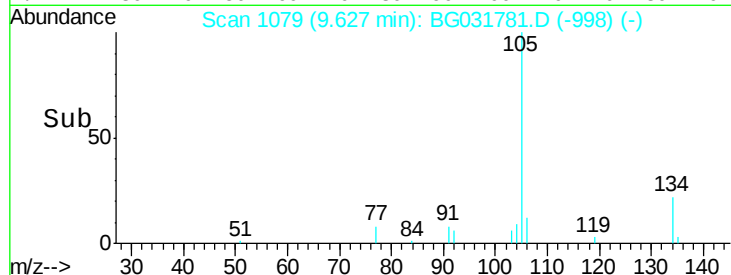


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 20.53 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

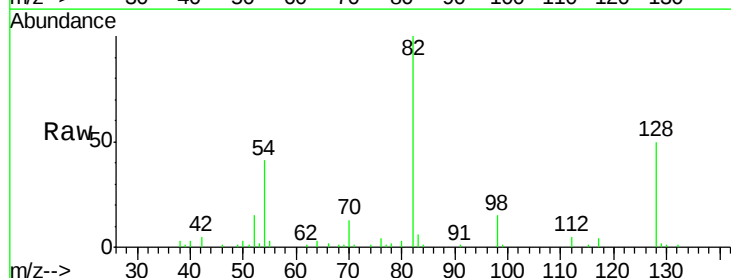
Tgt Ion: 82 Resp: 49012

Ion Ratio Lower Upper

82 100

128 49.8 29.7 44.5#

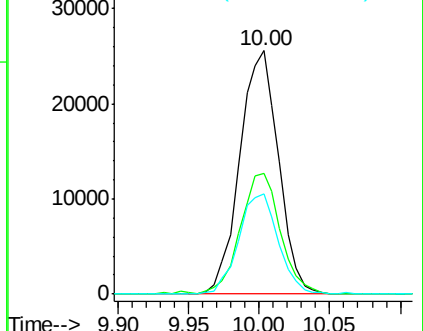
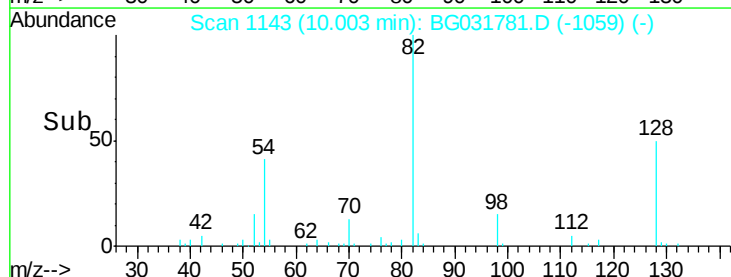
54 41.3 43.1 64.7#

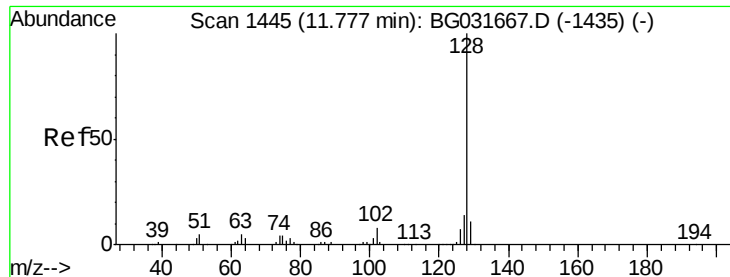


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

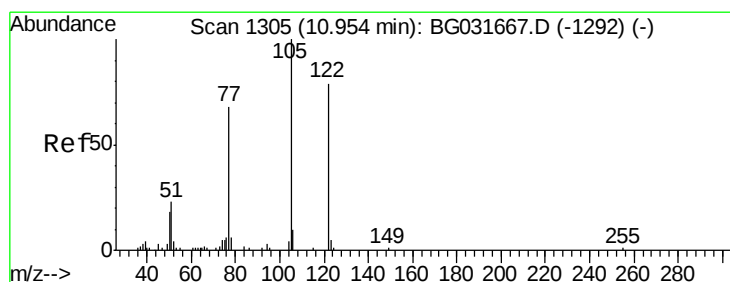
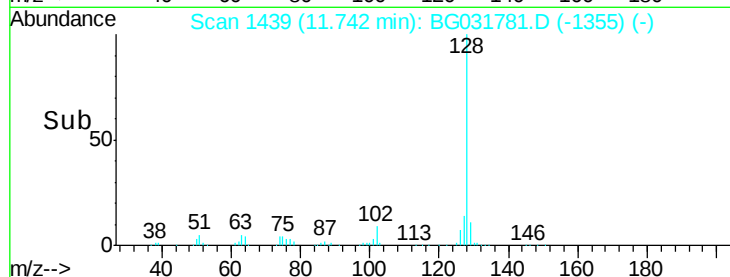
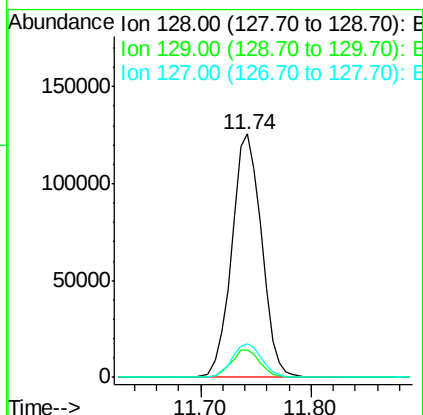
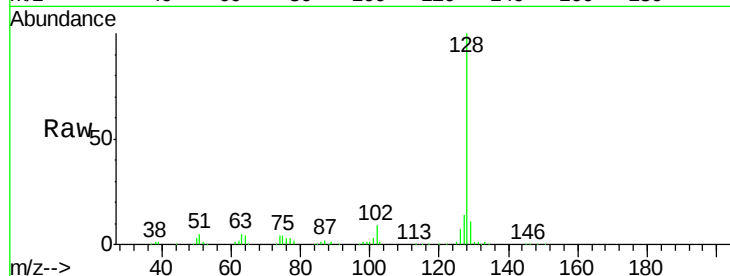




#31
Naphthalene
Concen: 26.13 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.03 min
Lab File: BG031781.D
Acq: 27 Dec 2017 4:01

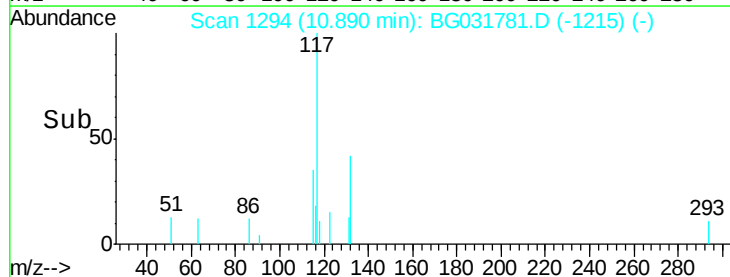
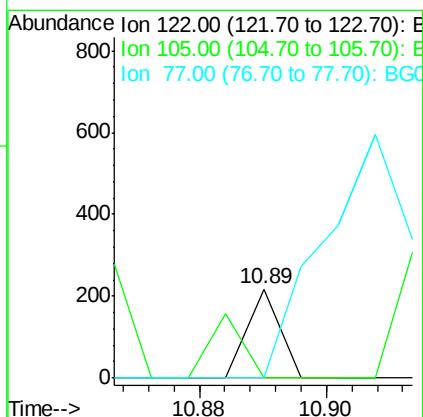
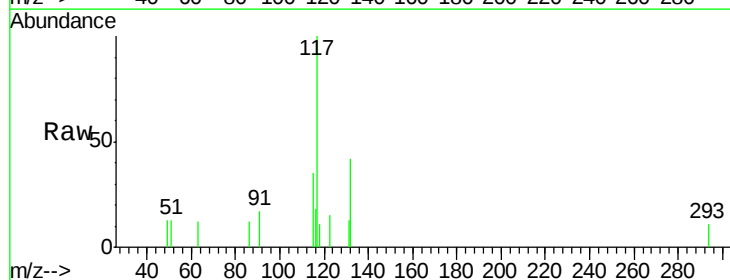
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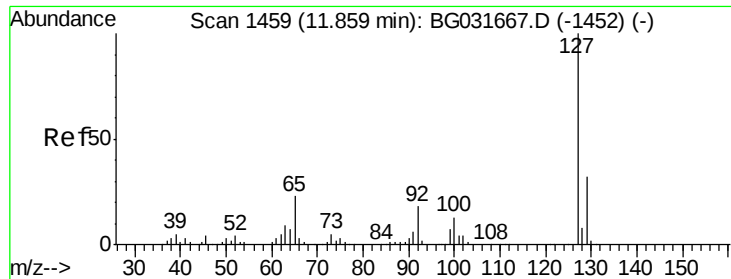
Tot Ion:128 Resp: 237734
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 14.1 11.6 17.4



#32
Benzoic acid
Concen: 6.73 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.06 min
Lab File: BG031781.D
Acq: 27 Dec 2017 4:01

Tgt Ion:122 Resp: 76
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

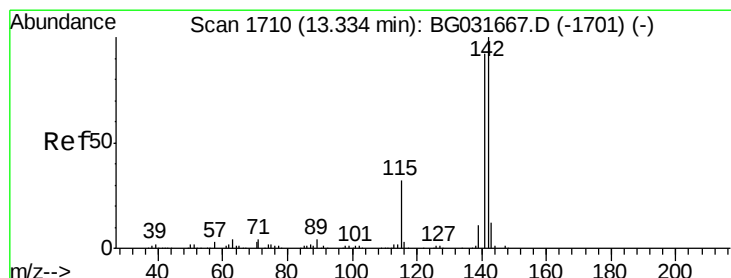
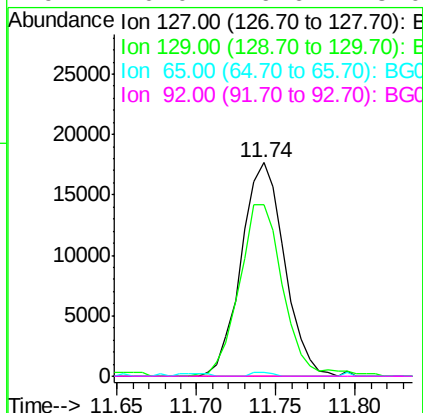
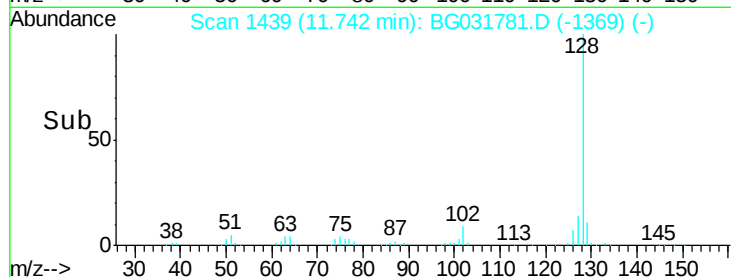
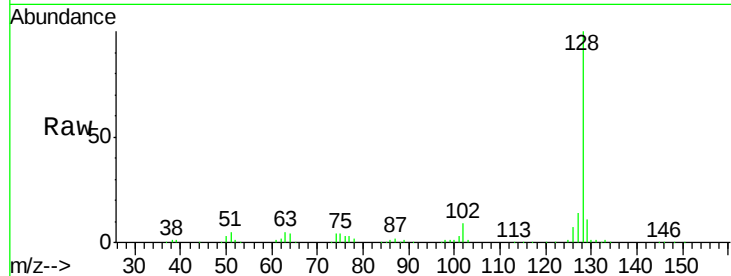




#33
4-Chloroaniline
Concen: 8.24 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.12 min
Lab File: BG031781.D
Acq: 27 Dec 2017 4:01

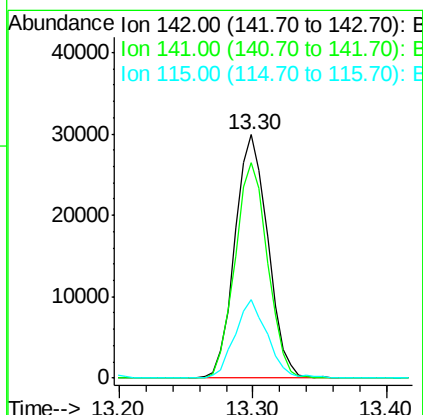
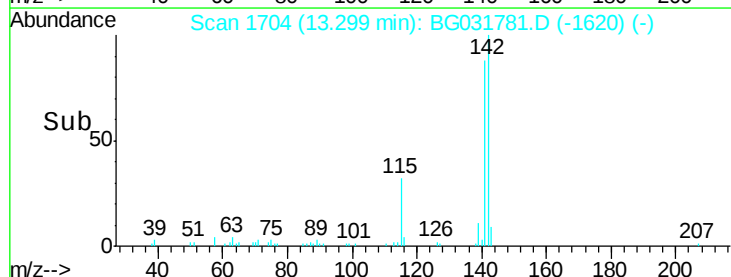
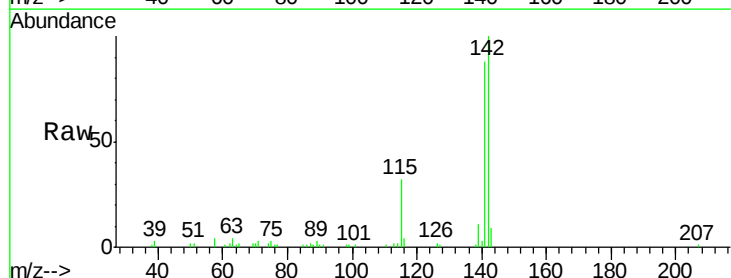
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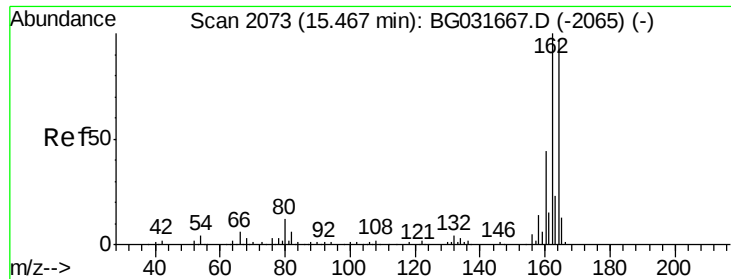
Tot Ion:127 Resp: 33391
Ion Ratio Lower Upper
127 100
129 80.5 24.0 36.0#
65 1.8 27.0 40.4#
92 0.0 16.6 25.0#



#37
2-Methylnaphthalene
Concen: 6.93 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG031781.D
Acq: 27 Dec 2017 4:01

Tgt Ion:142 Resp: 51123
Ion Ratio Lower Upper
142 100
141 88.3 67.1 100.7
115 32.3 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

Instrument :

BNA_G

ClientSampleId :

PR-MW-5-121817

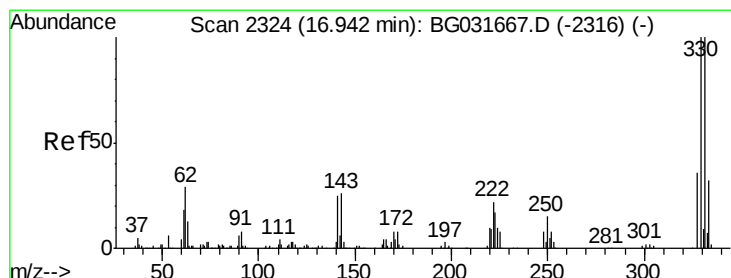
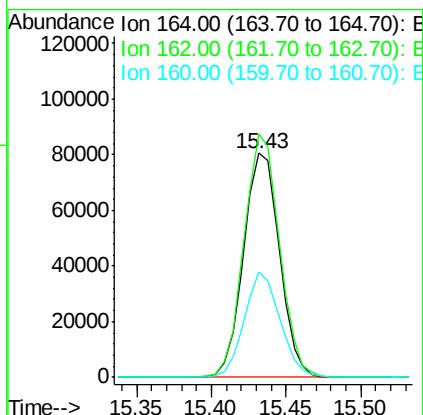
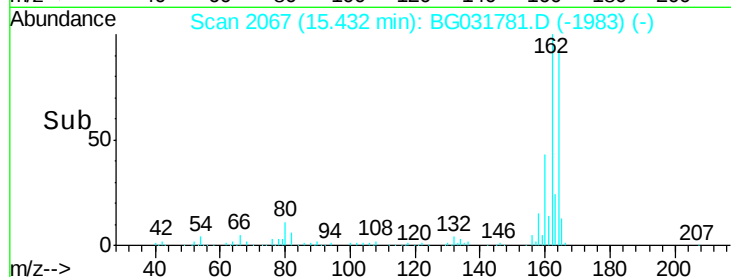
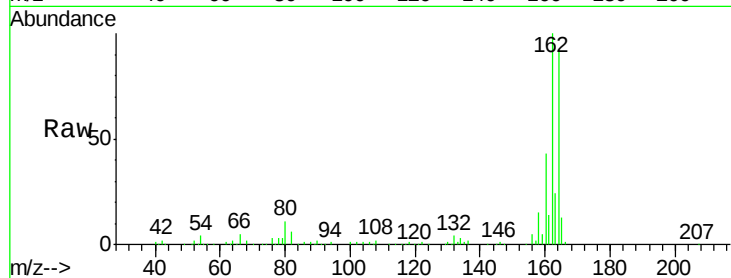
Tot Ion:164 Resp: 133661

Ion Ratio Lower Upper

164 100

162 108.6 78.8 118.2

160 46.9 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 30.39 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

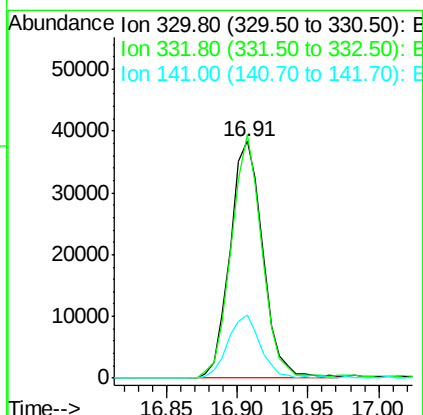
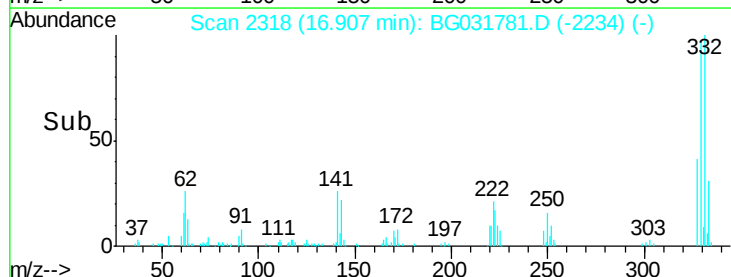
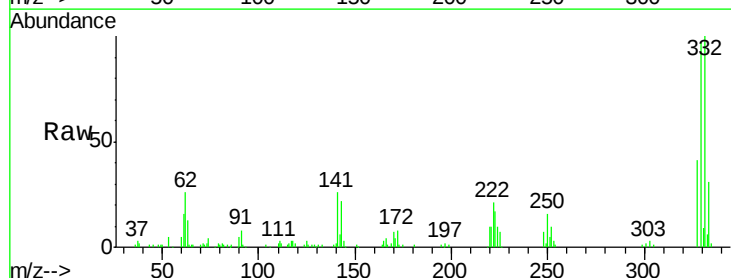
Tgt Ion:330 Resp: 61989

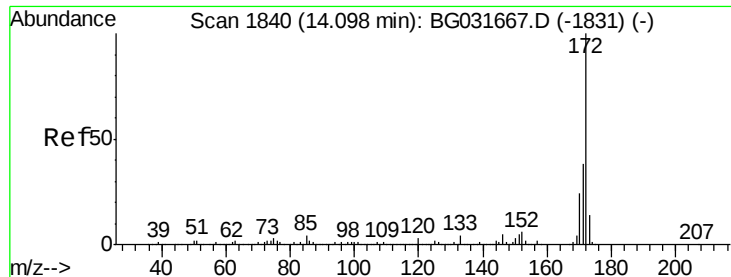
Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

141 26.1 25.2 37.8

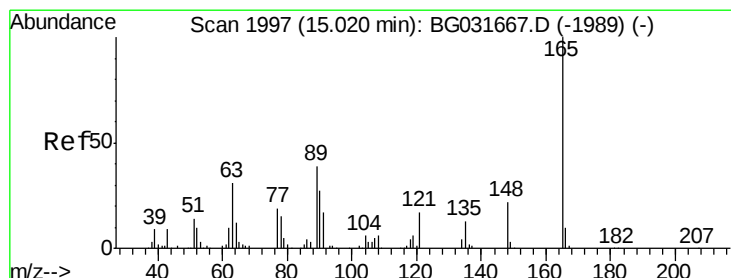
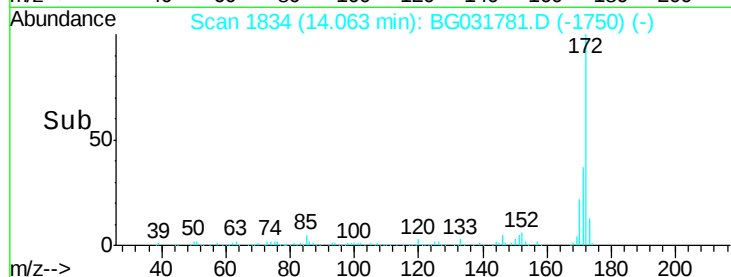
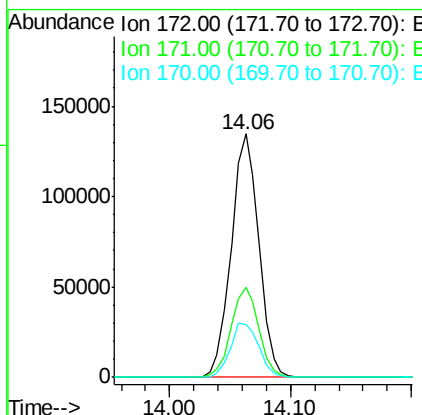
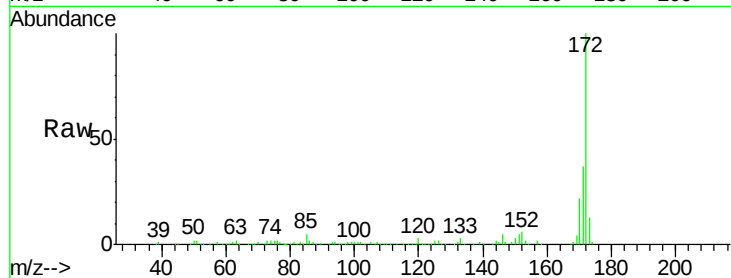




#44
2-Fluorobiphenyl
Concen: 20.07 ng
RT: 14.06 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031781.D
Acq: 27 Dec 2017 4:01

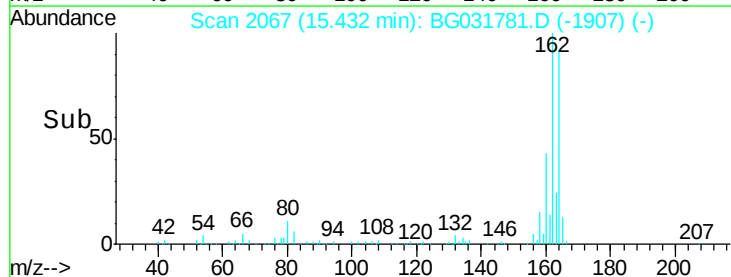
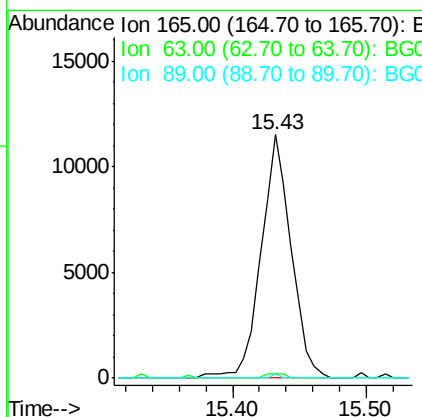
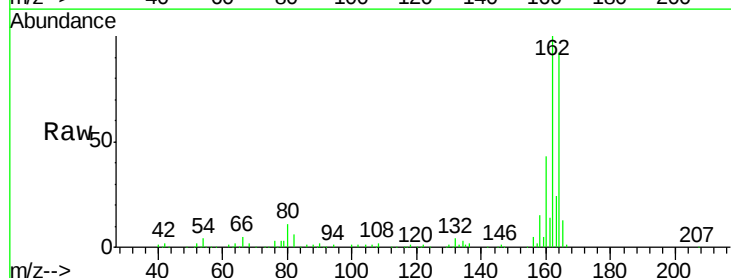
Instrument :
BNA_G
ClientSampleId :
PR-MW-5-121817

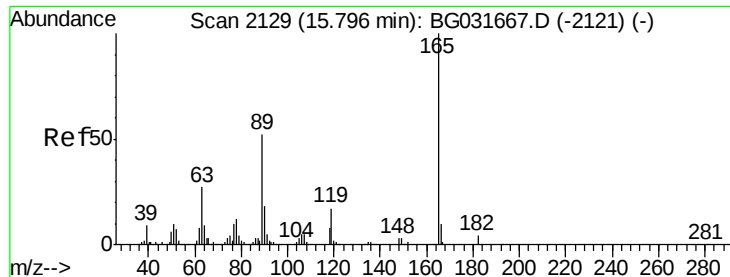
Tot Ion:172 Resp: 213781
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 22.0 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.27 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031781.D
Acq: 27 Dec 2017 4:01

Tgt Ion:165 Resp: 17905
Ion Ratio Lower Upper
165 100
63 2.0 52.7 79.1#
89 1.5 49.2 73.8#

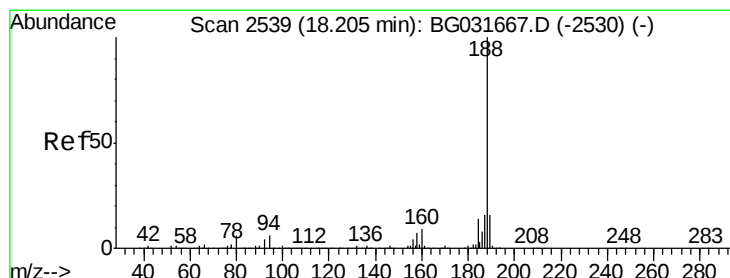
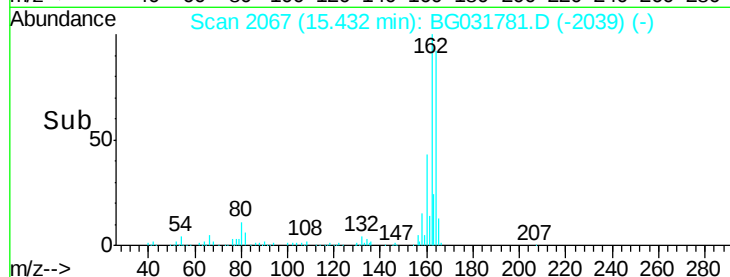
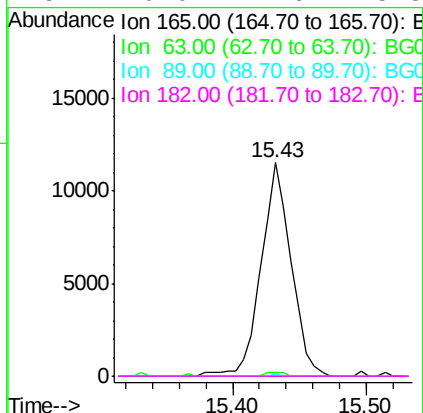
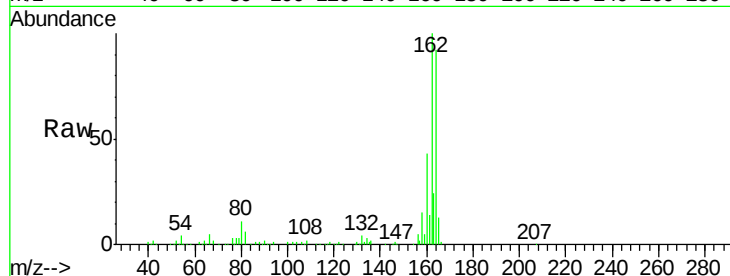




#56
 2,4-Dinitrotoluene
 Concen: 6.43 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031781.D
 Acq: 27 Dec 2017 4:01

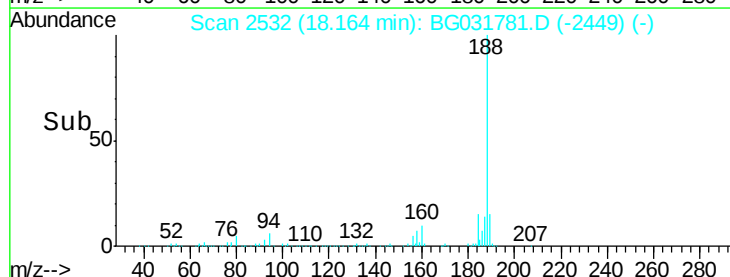
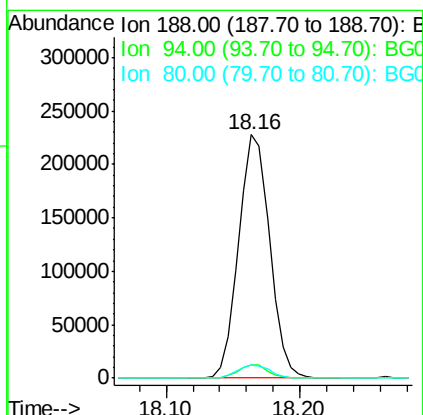
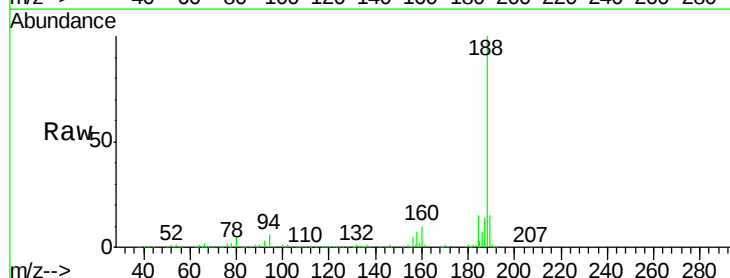
Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-5-121817

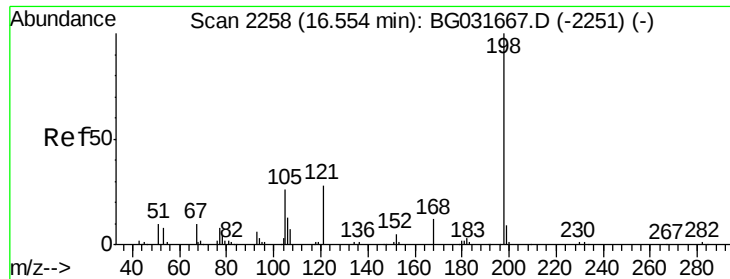
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	42.0	63.0#
89	1.5	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.16 min Scan# 2532
 Delta R.T. -0.04 min
 Lab File: BG031781.D
 Acq: 27 Dec 2017 4:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	5.3	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.33 ng

RT: 16.38 min Scan# 2228

Delta R.T. -0.18 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

Instrument :

BNA_G

ClientSampleId :

PR-MW-5-121817

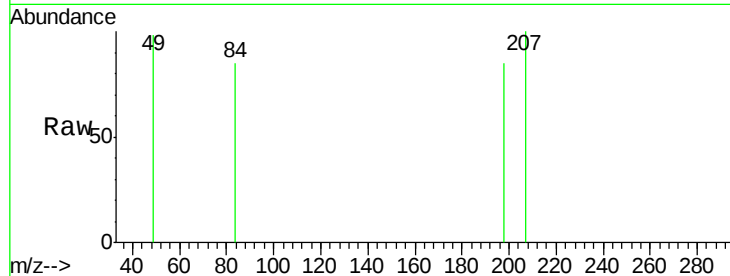
Tot Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

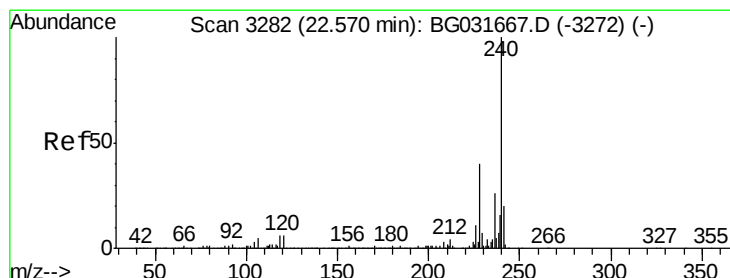
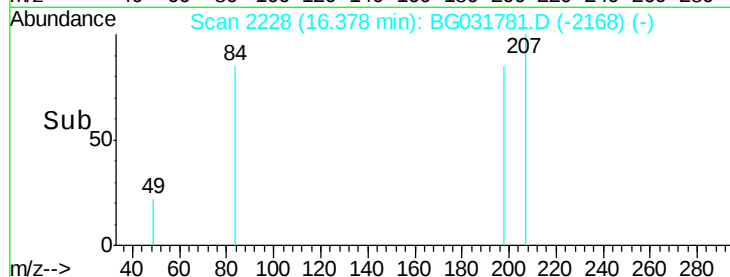
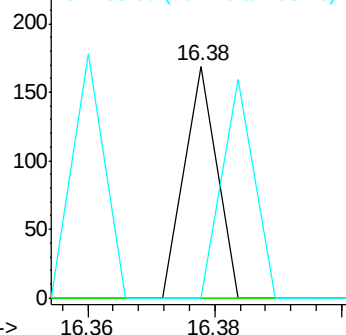
105 0.0 23.8 63.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.51 min Scan# 3272

Delta R.T. -0.06 min

Lab File: BG031781.D

Acq: 27 Dec 2017 4:01

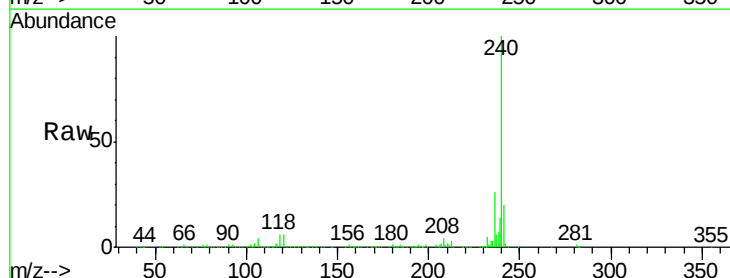
Tgt Ion:240 Resp: 444568

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

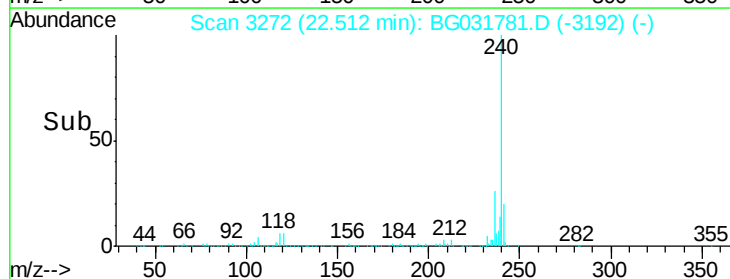
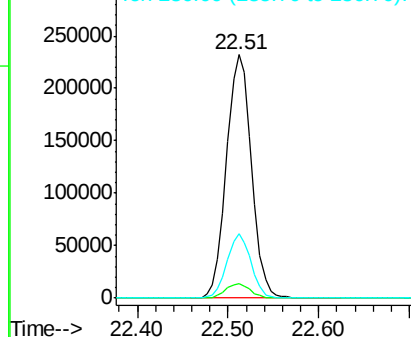
236 26.3 20.9 31.3

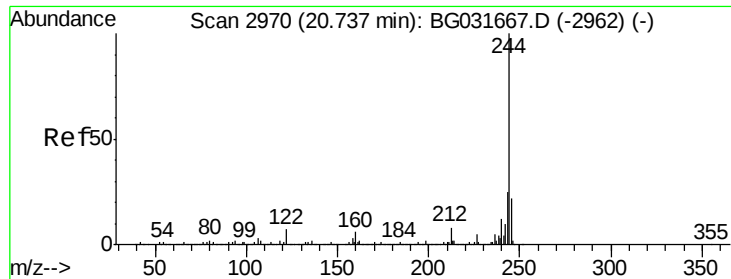


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

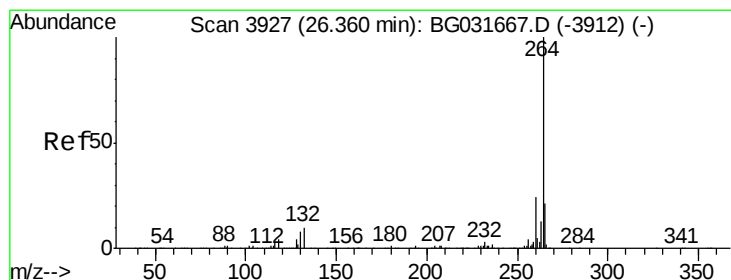
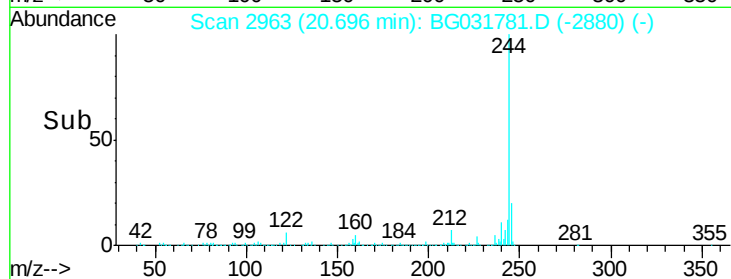
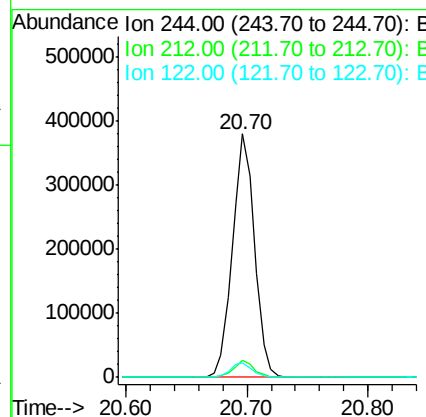
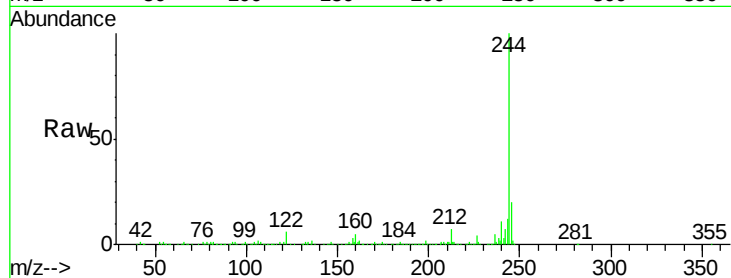




#78
 Terphenyl-d14
 Concen: 24.68 ng
 RT: 20.70 min Scan# 2963
 Delta R.T. -0.04 min
 Lab File: BG031781.D
 Acq: 27 Dec 2017 4:01

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-5-121817

Tot Ion:244 Resp: 480205
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 6.1 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 26.26 min Scan# 3910
 Delta R.T. -0.10 min
 Lab File: BG031781.D
 Acq: 27 Dec 2017 4:01

Tgt Ion:264 Resp: 472882
 Ion Ratio Lower Upper
 264 100
 260 22.2 17.4 26.0
 265 22.2 17.7 26.5

