

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031778.D
 Acq On : 27 Dec 2017 2:09
 Operator : SJ/JU
 Sample : PB105316BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB105316BL

Quant Time: Dec 27 04:53:12 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

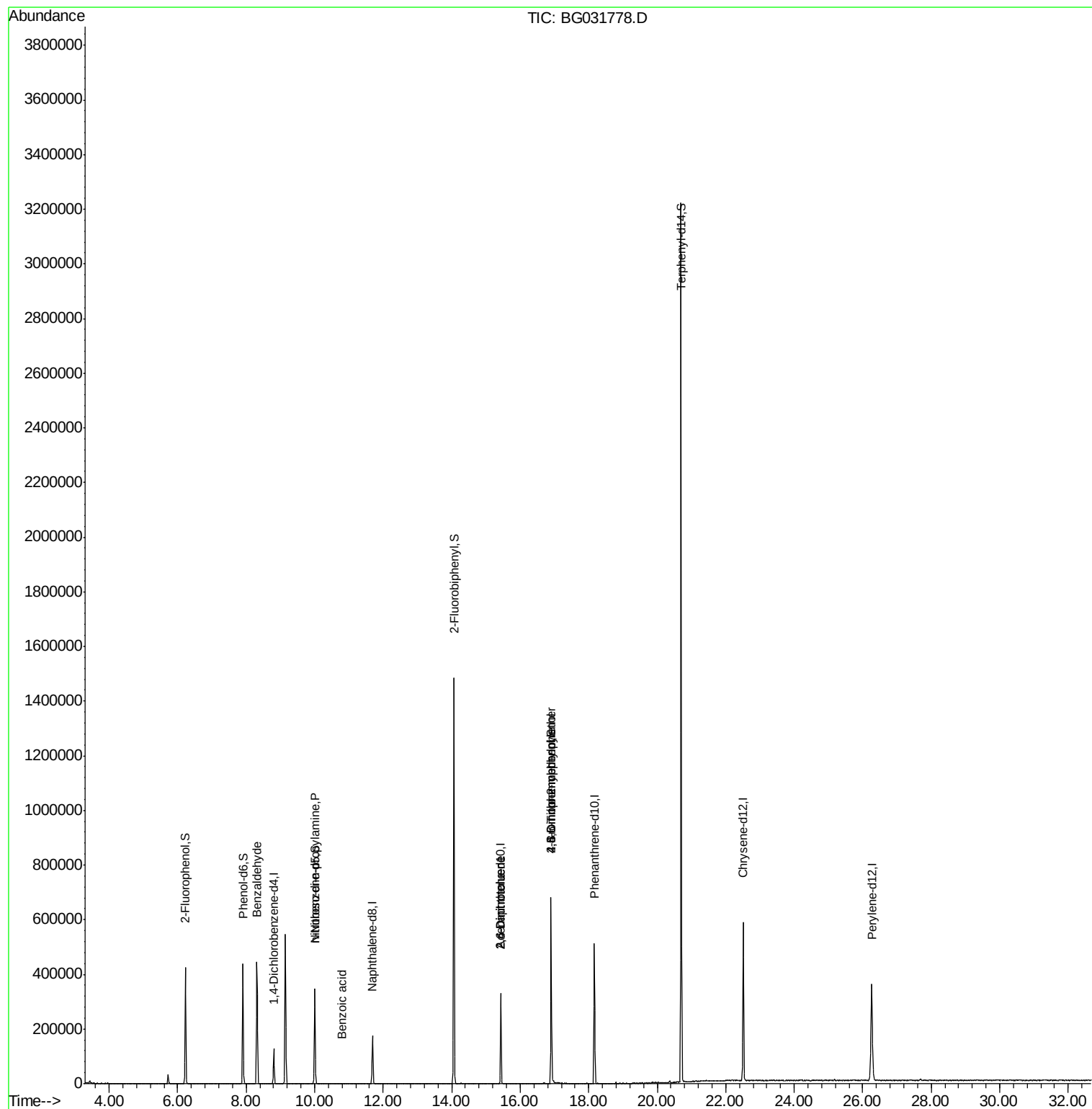
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	44705	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	177486	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	126866	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	355415	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	450466	20.00	ng	-0.06
86) Perylene-d12	26.26	264	485047	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	243448	99.19	ng	-0.02
7) Phenol-d6	7.90	99	303567	95.26	ng	-0.03
23) Nitrobenzene-d5	10.00	82	233202	99.22	ng	-0.04
41) 2,4,6-Tribromophenol	16.90	330	173035	89.39	ng	-0.04
44) 2-Fluorobiphenyl	14.07	172	898965	88.94	ng	-0.03
78) Terphenyl-d14	20.70	244	1761454	89.34	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	5467	2.85	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	10.00	70	29236	13.43	ng	# 69
32) Benzoic acid	10.80	122	64	6.72	ng	# 1
50) 2,6-Dinitrotoluene	15.43	165	17100	8.32	ng	# 19
56) 2,4-Dinitrotoluene	15.43	165	17100	6.47	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.90	198	338	8.47	ng	# 33
66) 4-Bromophenyl-phenylether	16.90	248	13719	2.67	ng	# 1

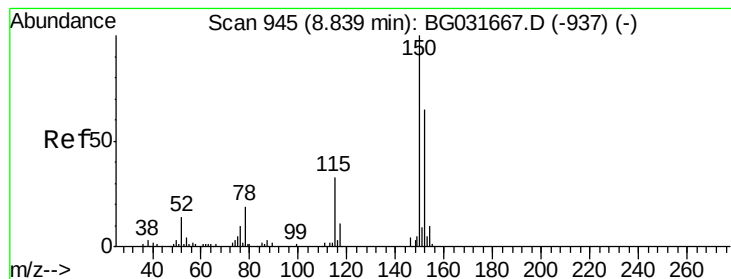
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.81 min Scan# 939

Delta R.T. -0.03 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

Instrument :

BNA_G

ClientSampled :

PB105316BL

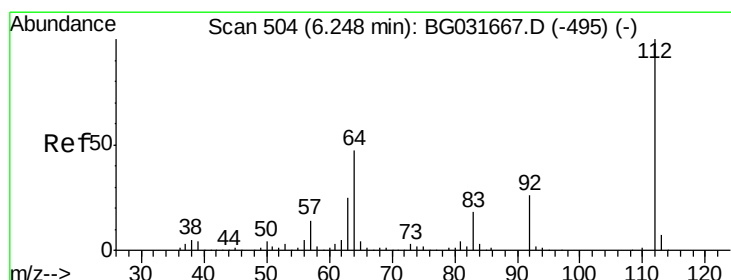
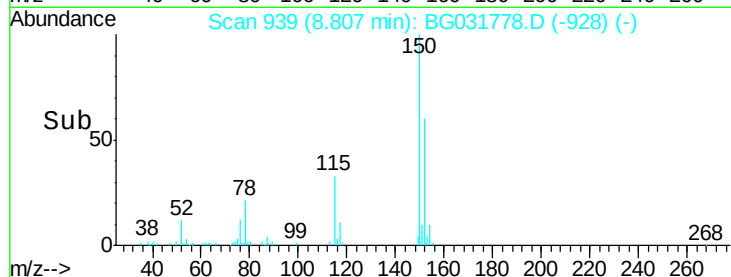
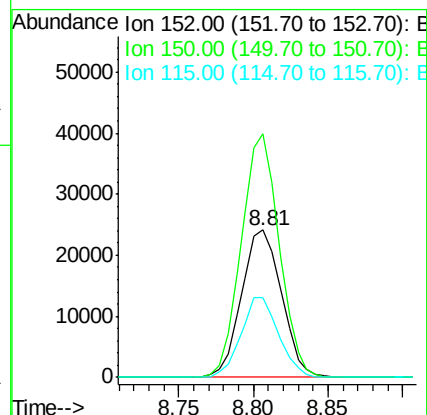
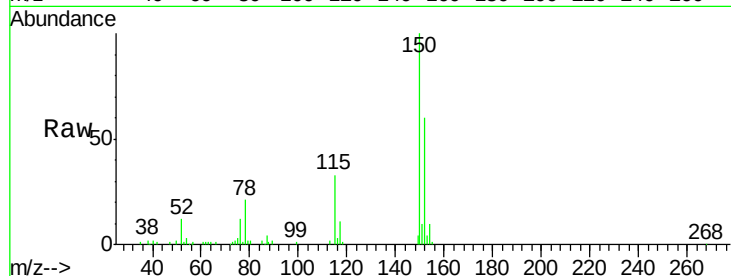
Tot Ion:152 Resp: 44705

Ion Ratio Lower Upper

152 100

150 165.4 126.6 189.8

115 53.9 53.0 79.4



#5

2-Fluorophenol

Concen: 99.19 ng

RT: 6.23 min Scan# 500

Delta R.T. -0.02 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

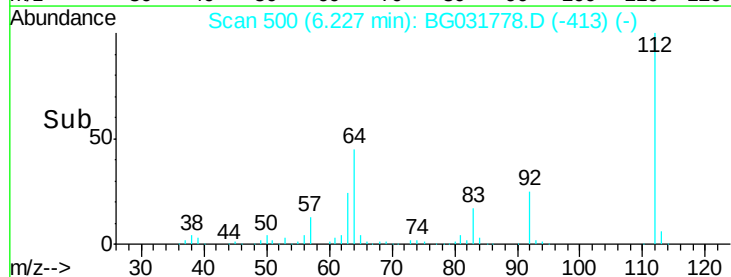
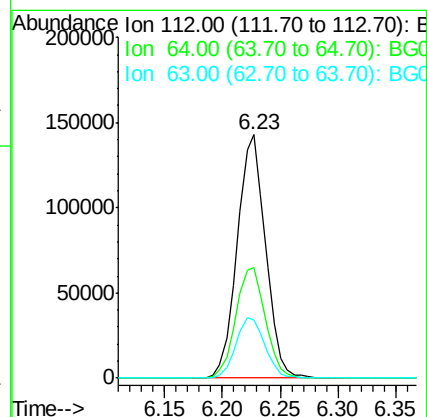
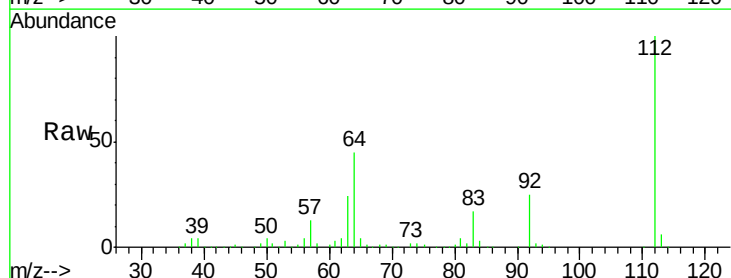
Tgt Ion:112 Resp: 243448

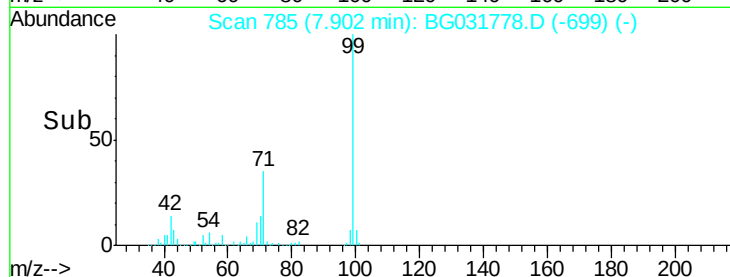
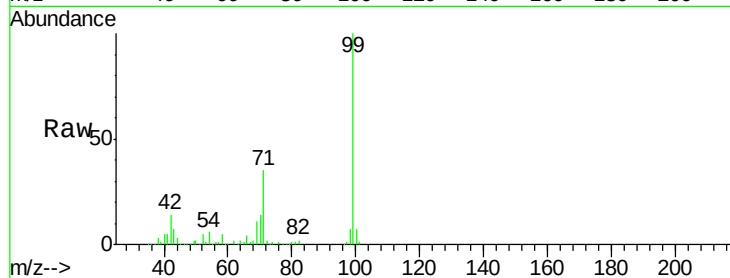
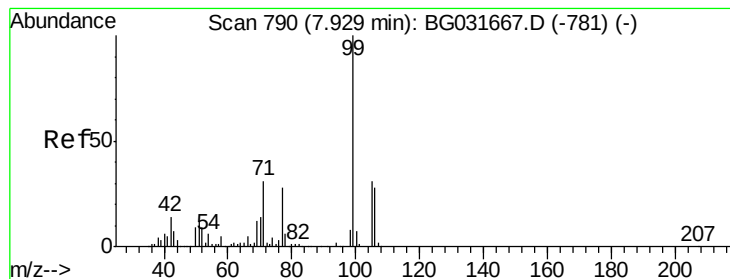
Ion Ratio Lower Upper

112 100

64 45.4 56.3 84.5#

63 24.0 30.1 45.1#





#7

Phenol-d6

Concen: 95.26 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

Instrument :

BNA_G

ClientSampleId :

PB105316BL

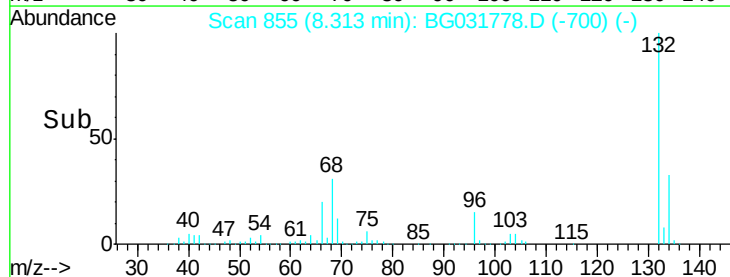
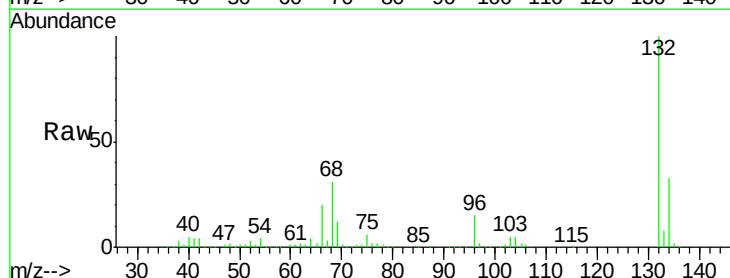
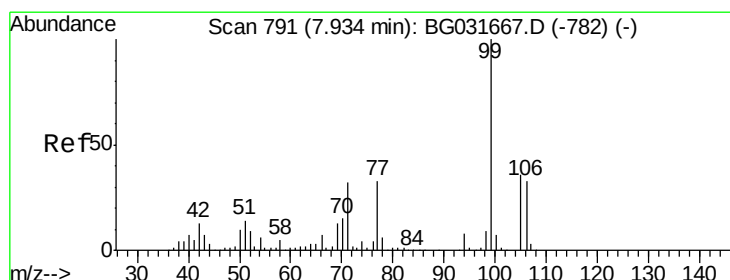
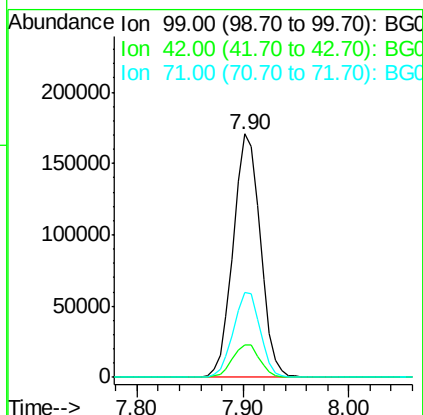
Tot Ion: 99 Resp: 303567

Ion Ratio Lower Upper

99 100

42 13.5 14.1 21.1#

71 34.8 26.1 39.1



#9

Benzaldehyde

Concen: 2.85 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

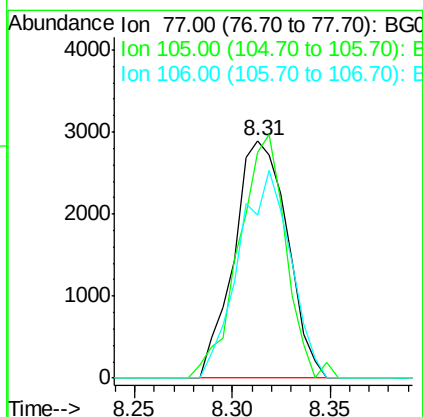
Tgt Ion: 77 Resp: 5467

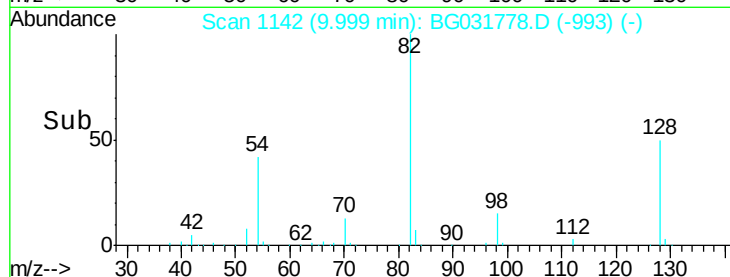
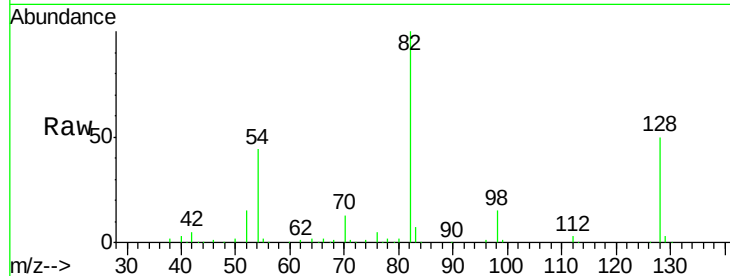
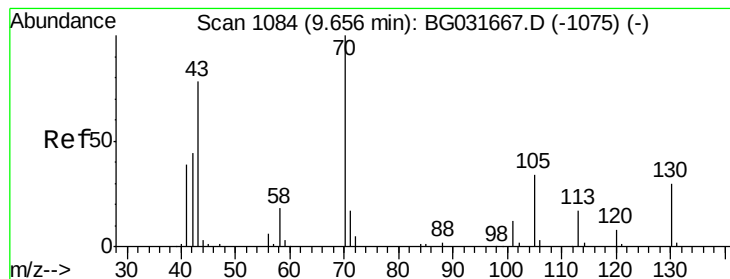
Ion Ratio Lower Upper

77 100

105 94.9 71.3 111.3

106 68.9 64.2 104.2





#19

n-Nitroso-di-n-propylamine

Concen: 13.43 ng

RT: 10.00 min Scan# 1142

Delta R.T. 0.34 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

Instrument :

BNA_G

ClientSampleId :

PB105316BL

Tot Ion: 70 Resp: 29236

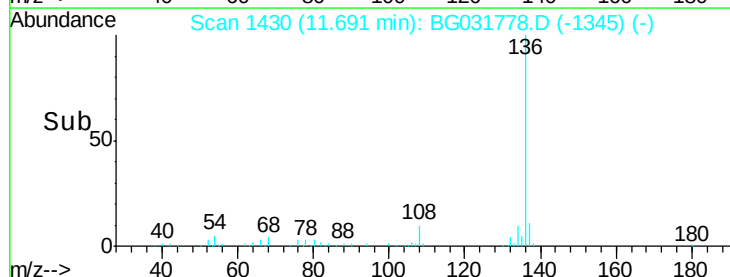
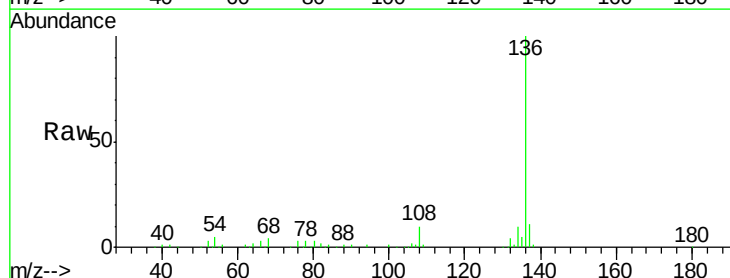
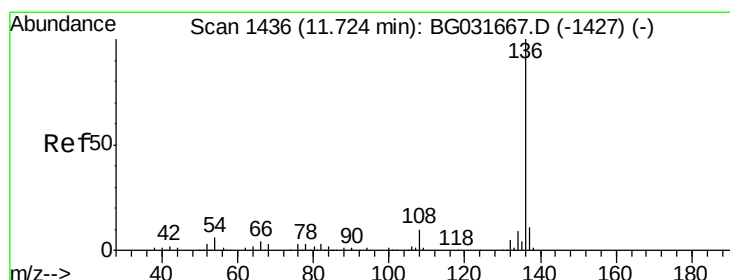
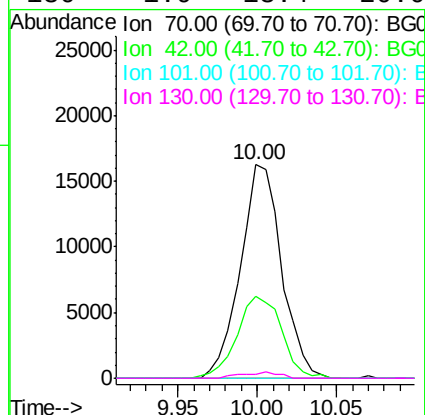
Ion Ratio Lower Upper

70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.69 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

Tgt Ion: 136 Resp: 177486

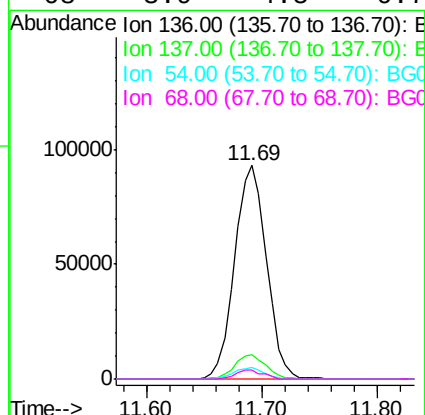
Ion Ratio Lower Upper

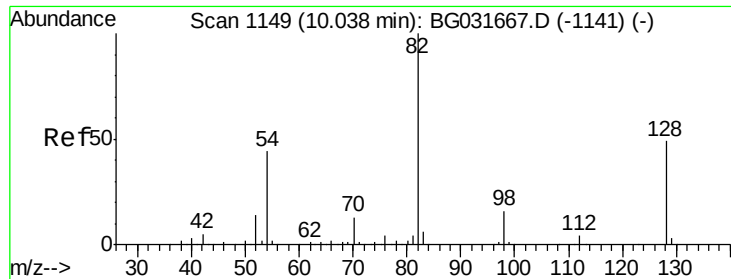
136 100

137 11.3 9.2 13.8

54 5.1 10.3 15.5#

68 3.9 4.5 6.7#

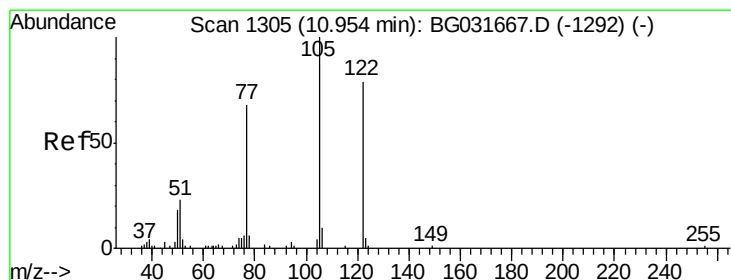
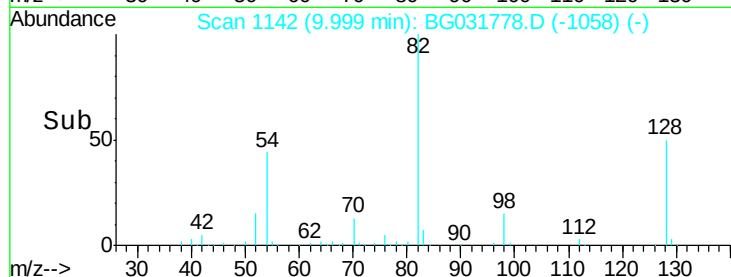
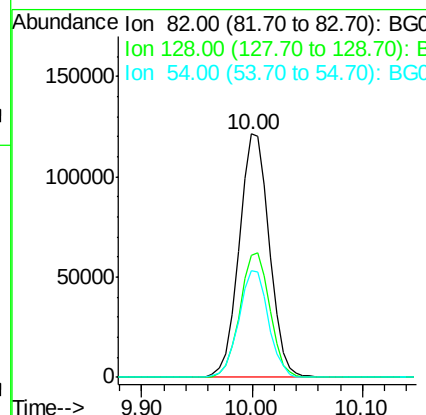
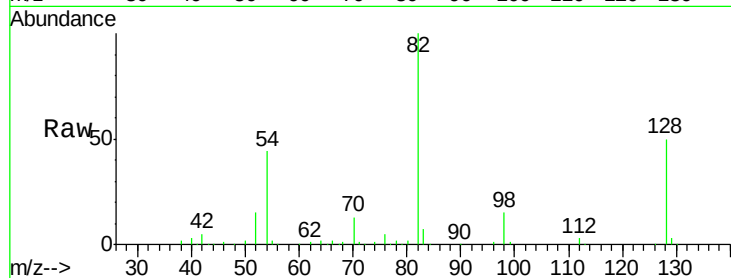




#23
 Nitrobenzene-d5
 Concen: 99.22 ng
 RT: 10.00 min Scan# 1142
 Delta R.T. -0.04 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

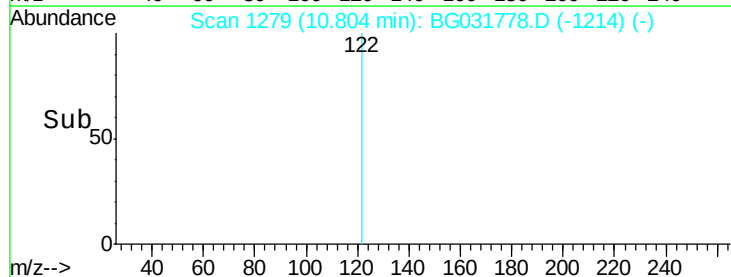
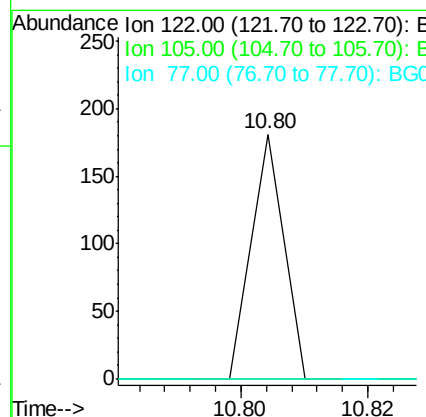
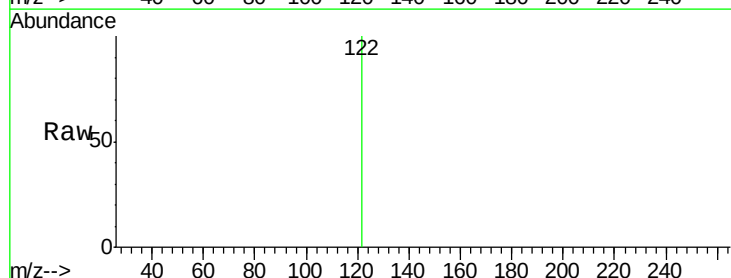
Instrument :
 BNA_G
 ClientSampleId :
 PB105316BL

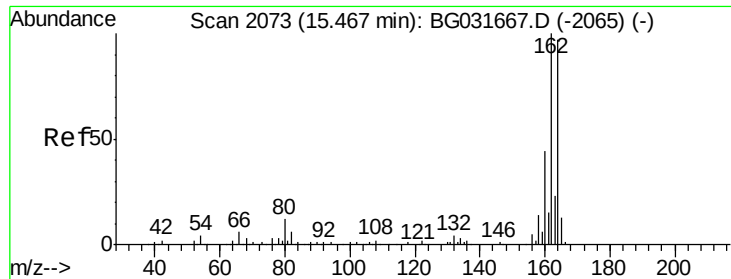
Tot Ion	82	Resp	233202
Ion Ratio	100	Lower	Upper
128	50.0	29.7	44.5#
54	43.7	43.1	64.7



#32
 Benzoic acid
 Concen: 6.72 ng
 RT: 10.80 min Scan# 1279
 Delta R.T. -0.15 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

Tgt Ion	122	Resp	64
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

Instrument :

BNA_G

ClientSampleId :

PB105316BL

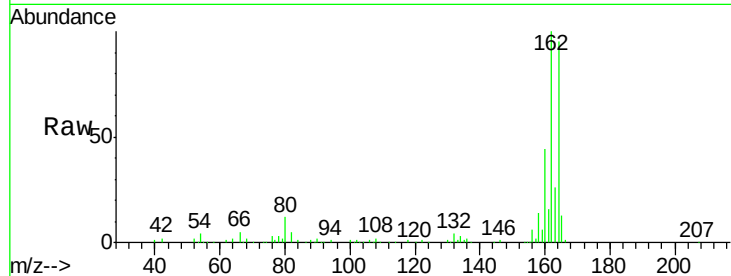
Tot Ion:164 Resp: 126866

Ion Ratio Lower Upper

164 100

162 104.8 78.8 118.2

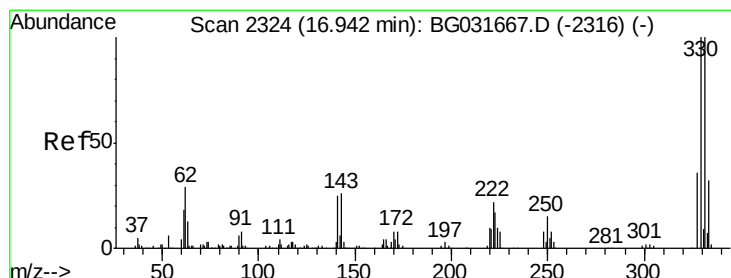
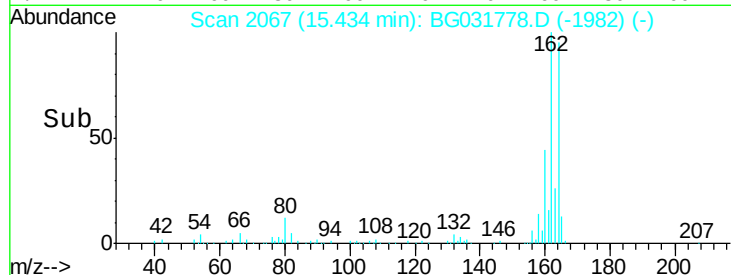
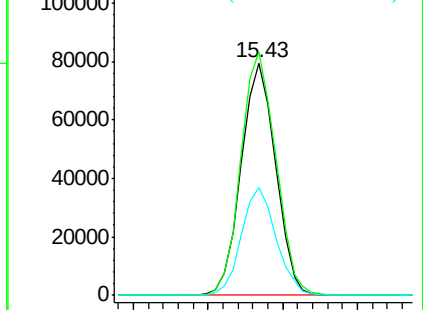
160 46.3 35.4 53.0



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: 89.39 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.04 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

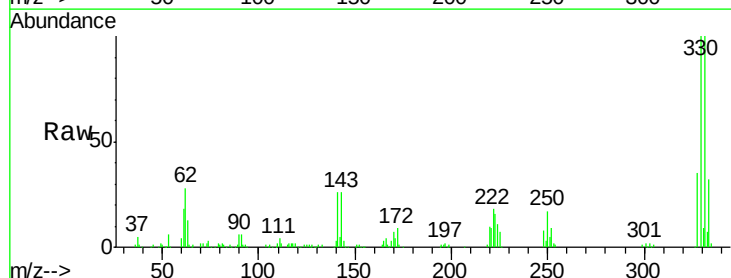
Tgt Ion:330 Resp: 173035

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

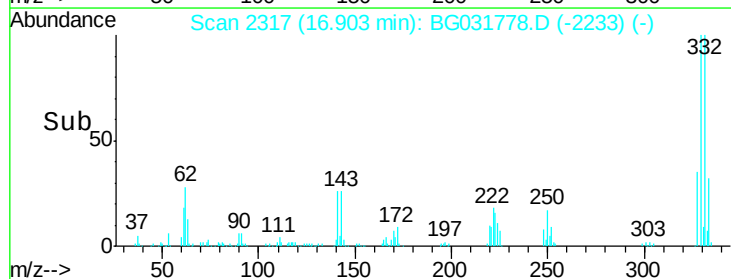
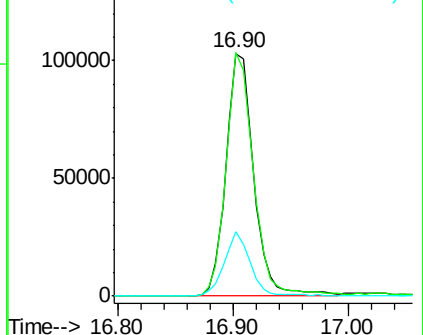
141 25.0 25.2 37.8#

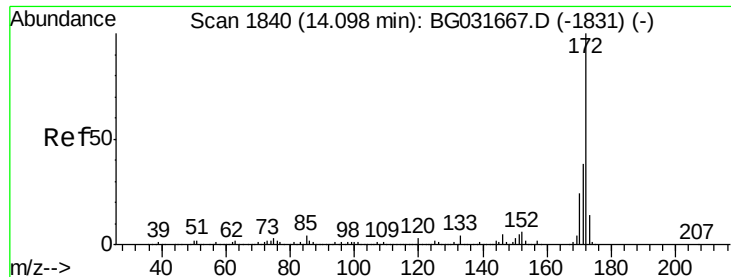


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

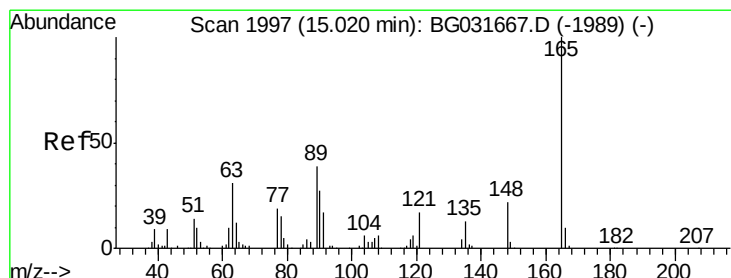
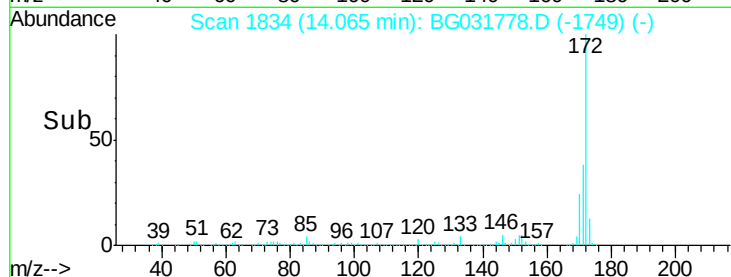
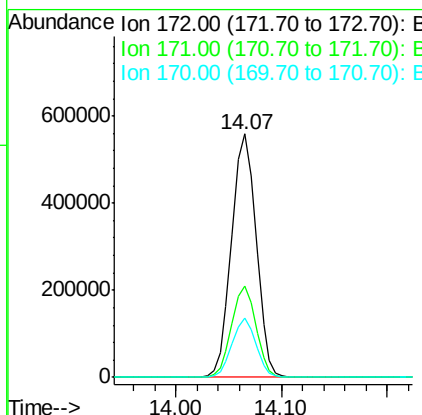
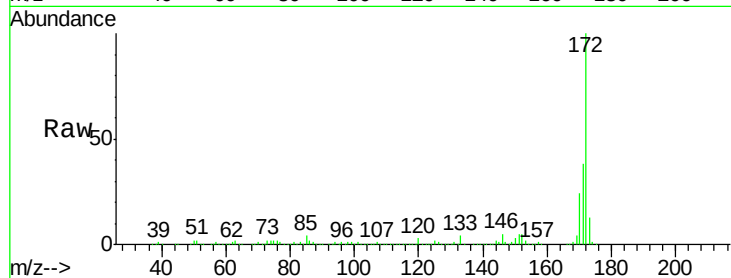




#44
 2-Fluorobiphenyl
 Concen: 88.94 ng
 RT: 14.07 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

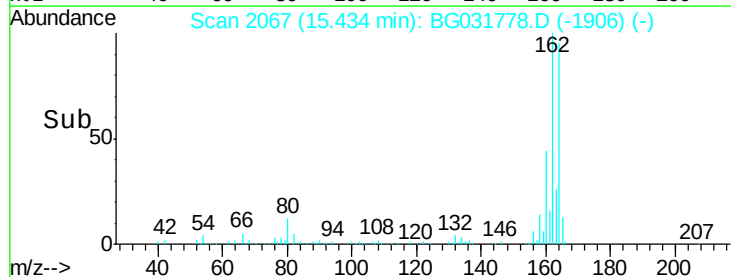
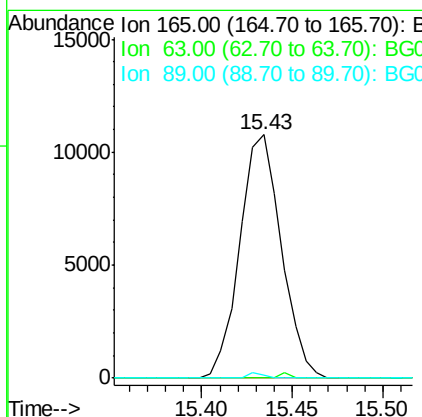
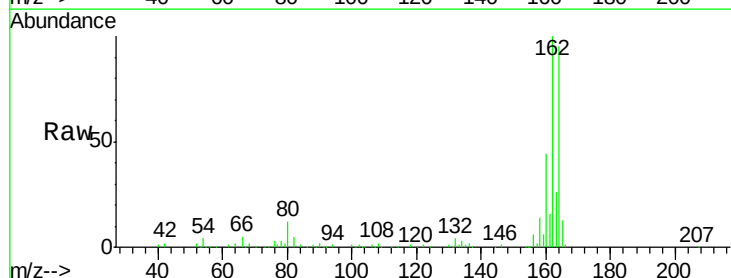
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 BNA_G
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 PB105316BL

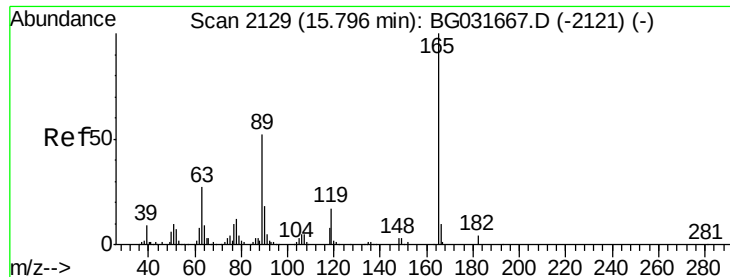
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	24.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.32 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.41 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.4	49.2	73.8#

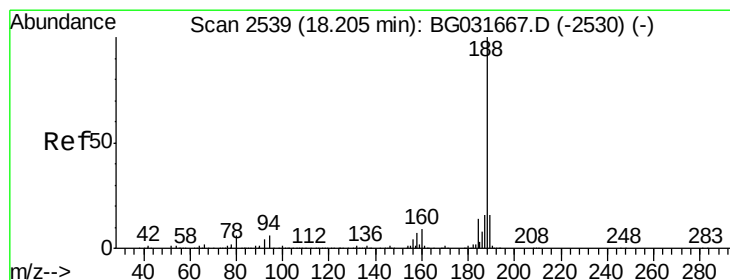
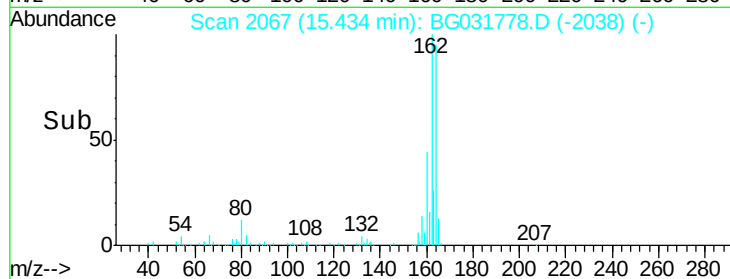
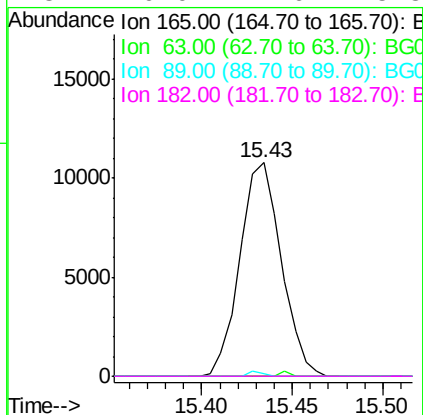
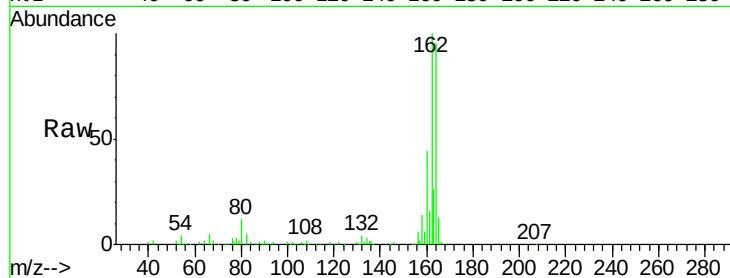




#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

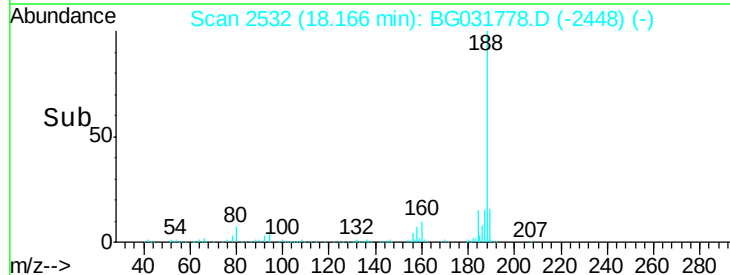
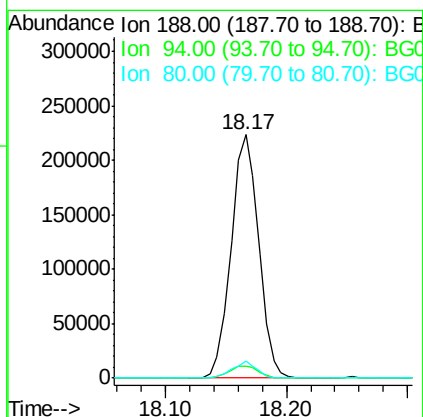
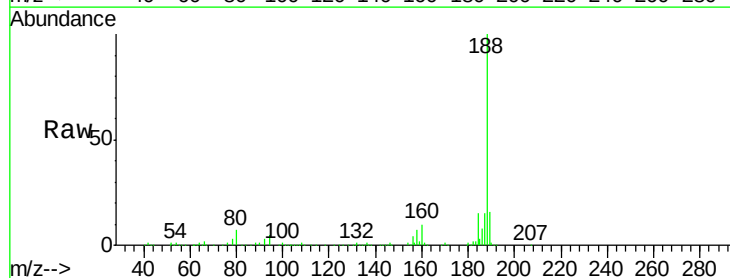
Instrument :
 BNA_G
 ClientSampleId :
 PB105316BL

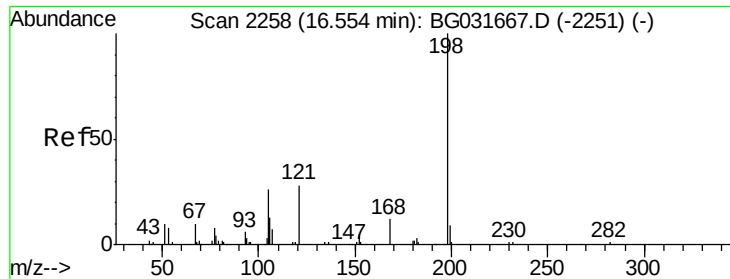
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.4	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.17 min Scan# 2532
 Delta R.T. -0.04 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.8	6.9	10.3#
80	6.9	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.47 ng

RT: 16.90 min Scan# 2317

Delta R.T. 0.35 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

Instrument :

BNA_G

ClientSampleId :

PB105316BL

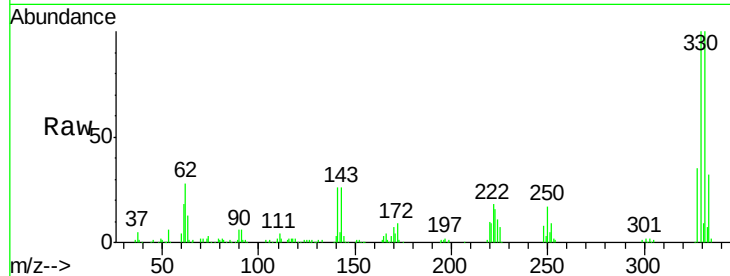
Tot Ion:198 Resp: 338

Ion Ratio Lower Upper

198 100

51 71.2 30.6 70.6#

105 114.6 23.8 63.8#



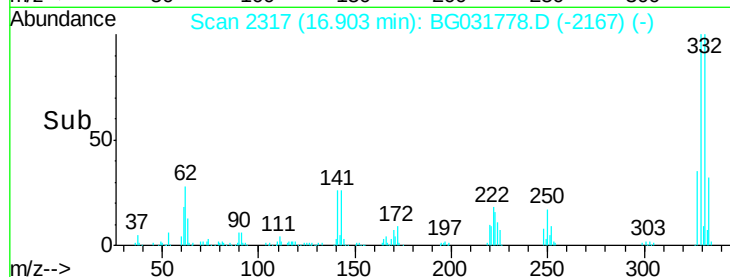
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

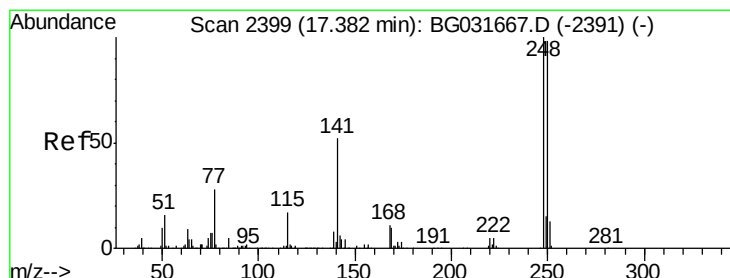
Ion 105.00 (104.70 to 105.70): E

16.90

16.88 16.90 16.92



Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.67 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.48 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

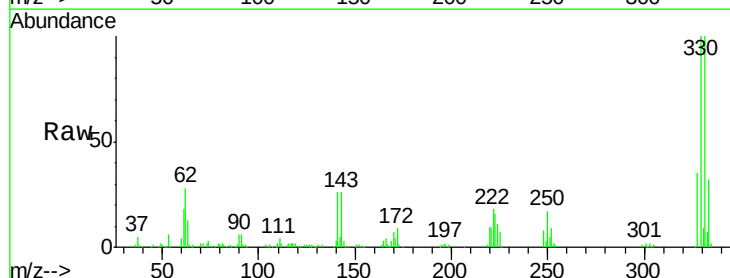
Tgt Ion:248 Resp: 13719

Ion Ratio Lower Upper

248 100

250 209.4 77.1 115.7#

141 324.2 50.8 76.2#



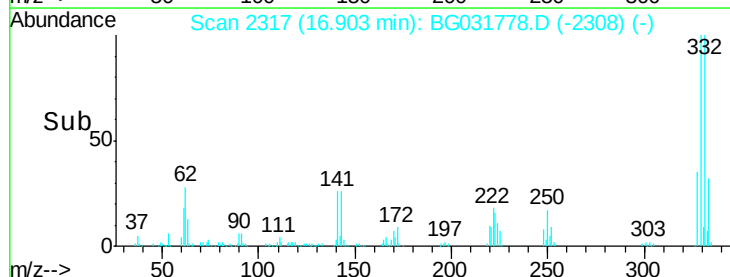
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

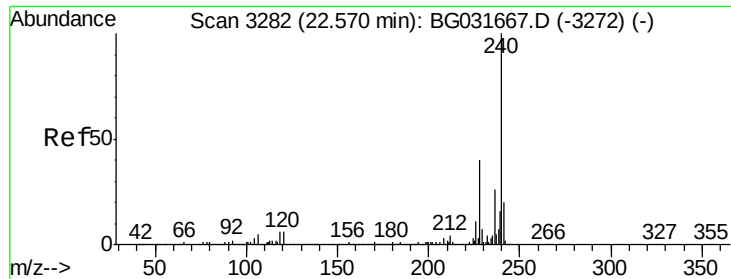
Ion 141.00 (140.70 to 141.70): E

16.90

16.85 16.90 16.95



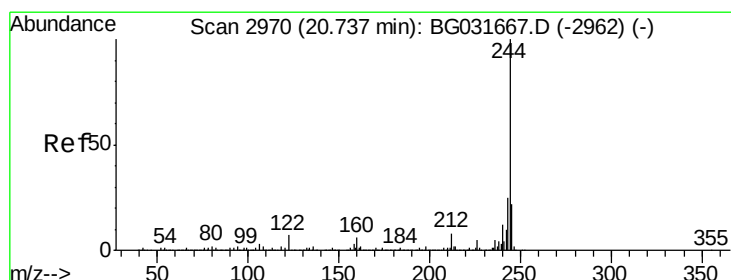
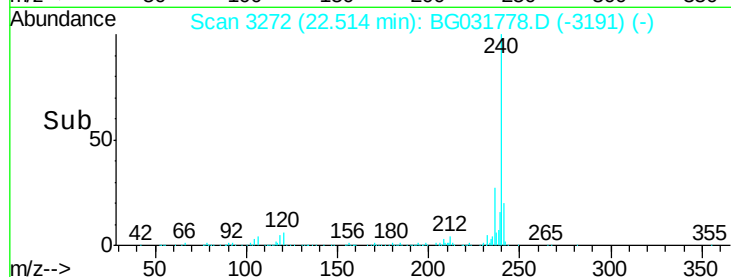
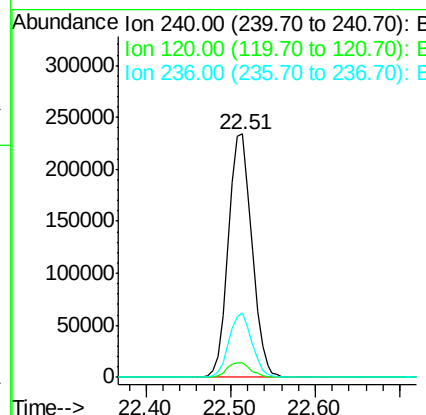
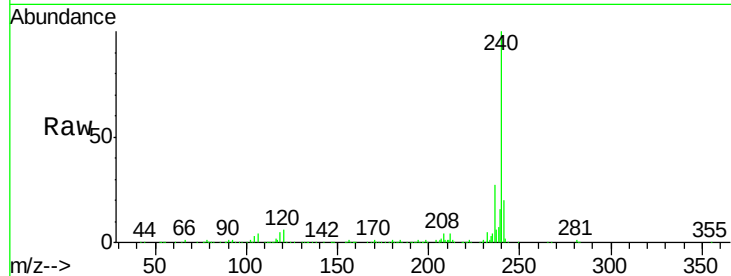
Time-->



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.51 min Scan# 3272
 Delta R.T. -0.06 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

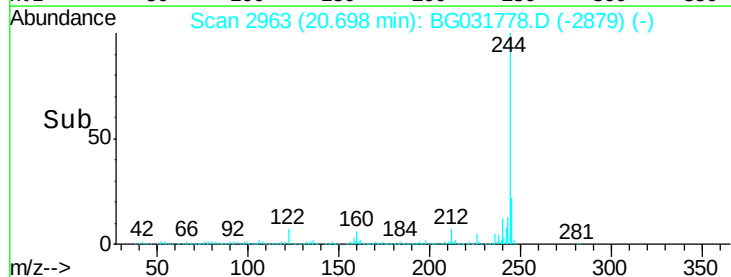
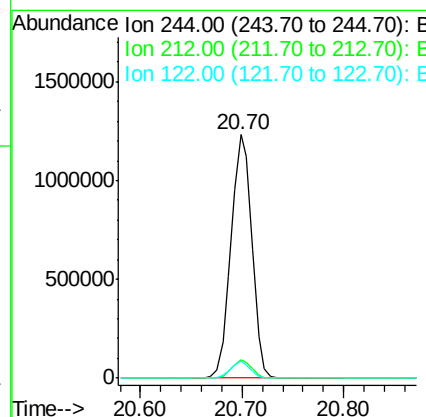
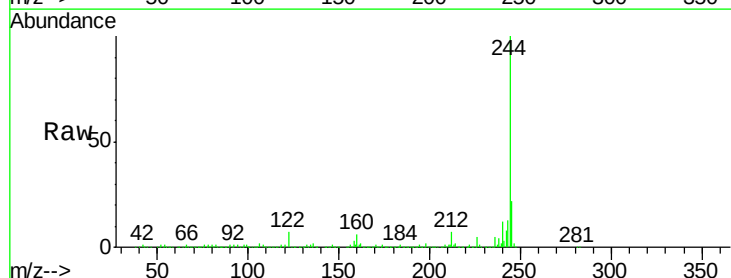
Instrument :
 BNA_G
 ClientSampleId :
 PB105316BL

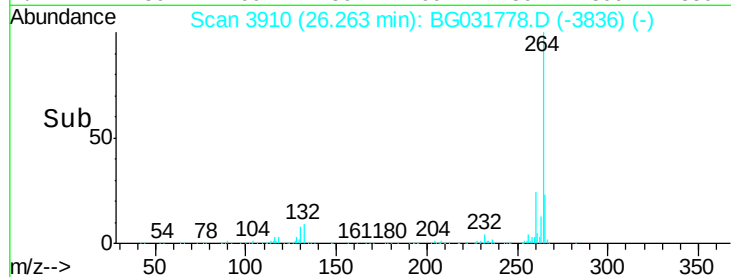
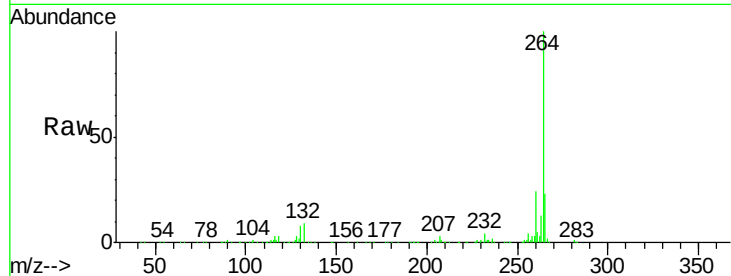
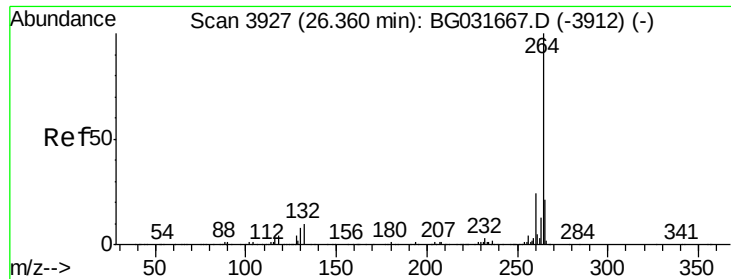
Tot Ion:240 Resp: 450466
 Ion Ratio Lower Upper
 240 100
 120 5.7 6.8 10.2#
 236 26.6 20.9 31.3



#78
 Terphenyl-d14
 Concen: 89.34 ng
 RT: 20.70 min Scan# 2963
 Delta R.T. -0.04 min
 Lab File: BG031778.D
 Acq: 27 Dec 2017 2:09

Tgt Ion:244 Resp: 1761454
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 7.1 7.0 10.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.26 min Scan# 3910

Delta R.T. -0.10 min

Lab File: BG031778.D

Acq: 27 Dec 2017 2:09

Instrument :

BNA_G

ClientSampleId :

PB105316BL

Tot Ion: 264 Resp: 485047

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.8 17.7 26.5

