

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031802.D
 Acq On : 27 Dec 2017 18:37
 Operator : SJ/JU
 Sample : I7058-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 07:19:29 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

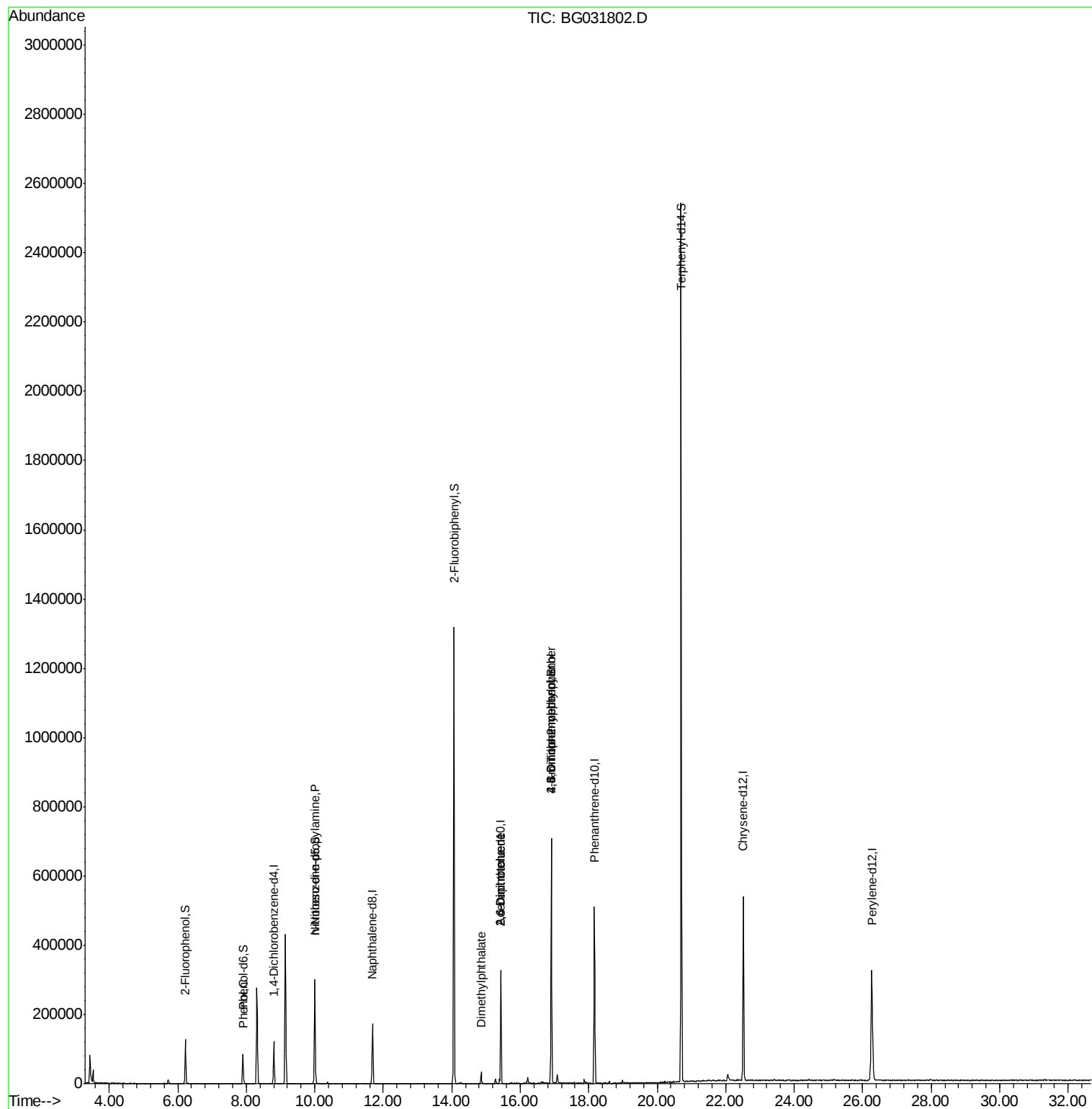
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	42356	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	171286	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	127297	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	347598	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	411366	20.00	ng	-0.06
86) Perylene-d12	26.27	264	434034	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	72179	31.04	ng	-0.03
7) Phenol-d6	7.90	99	57770	19.13	ng	-0.03
23) Nitrobenzene-d5	10.00	82	197243	86.96	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	177409	91.34	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	784429	77.34	ng	-0.03
78) Terphenyl-d14	20.70	244	1424224	79.10	ng	-0.04
Target Compounds						
10) Phenol	7.92	94	6293	2.064	ng	93
19) n-Nitroso-di-n-propylamine	10.00	70	25256	12.249	ng	# 71
49) Dimethylphthalate	14.86	163	25802	2.301	ng	# 98
50) 2,6-Dinitrotoluene	15.43	165	16428	7.963	ng	# 21
56) 2,4-Dinitrotoluene	15.43	165	16428	6.193	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.91	198	493	8.547	ng	# 1
66) 4-Bromophenyl-phenylether	16.90	248	13678	2.721	ng	# 1

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

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Quant Time: Dec 28 07:19:29 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



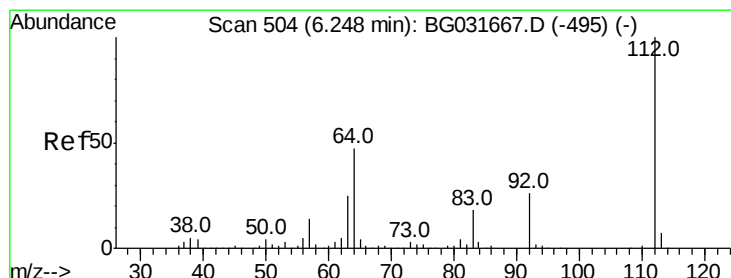
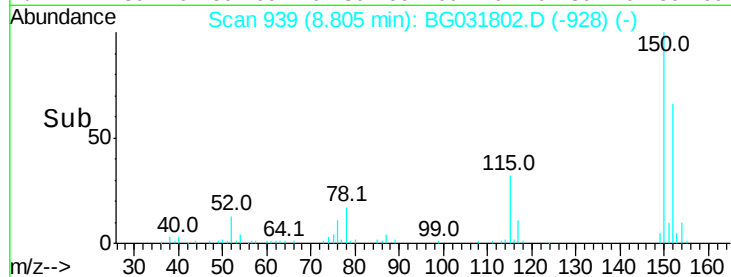
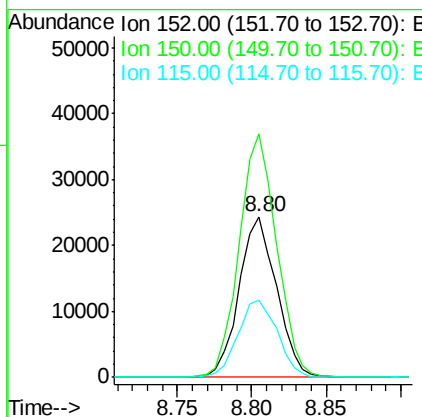
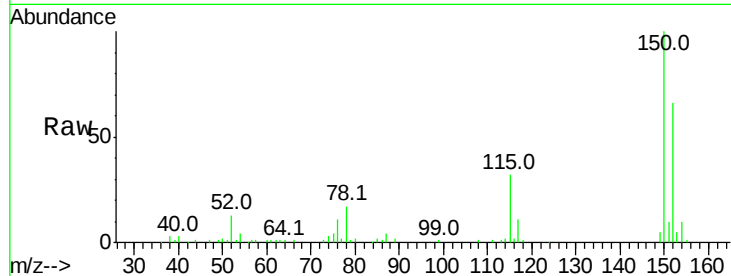


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.80 min Scan# 939
 Delta R.T. -0.03 min
 Lab File: BG031802.D
 Acq: 27 Dec 2017 18:37

Instrument :
 BNA_G
 ClientSampled :

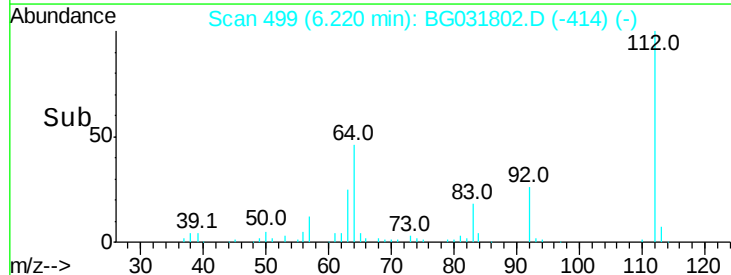
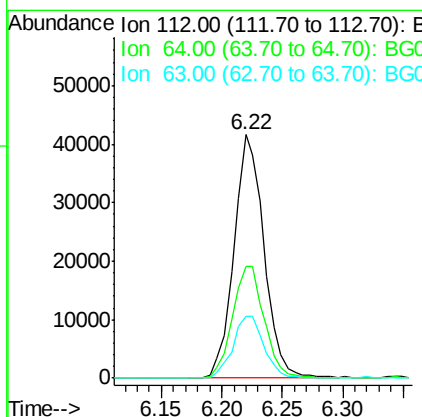
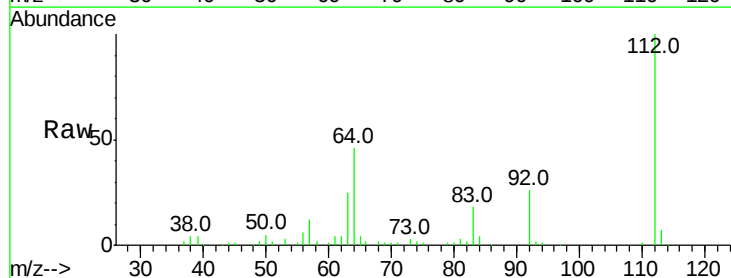
Tot Ion:152 Resp: 42356
 Ion Ratio Lower Upper
 152 100
 150 151.2 126.6 189.8
 115 47.9 53.0 79.4#



#5

2-Fluorophenol
 Concen: 31.038 ng
 RT: 6.22 min Scan# 499
 Delta R.T. -0.03 min
 Lab File: BG031802.D
 Acq: 27 Dec 2017 18:37

Tgt Ion:112 Resp: 72179
 Ion Ratio Lower Upper
 112 100
 64 45.8 56.3 84.5#
 63 25.2 30.1 45.1#





#7

Phenol-d6

Concen: 19.134 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Instrument :

BNA_G

ClientSampleId :

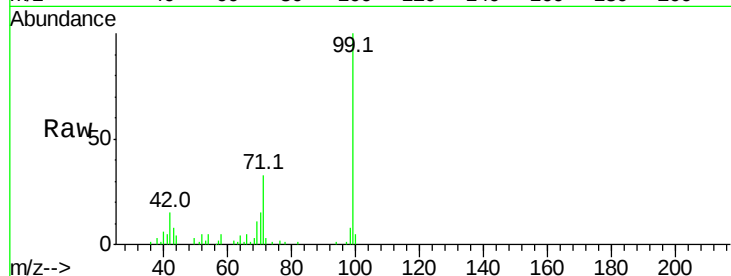
Tot Ion: 99 Resp: 57770

Ion Ratio Lower Upper

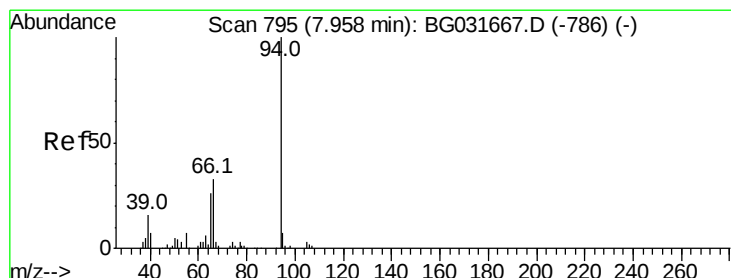
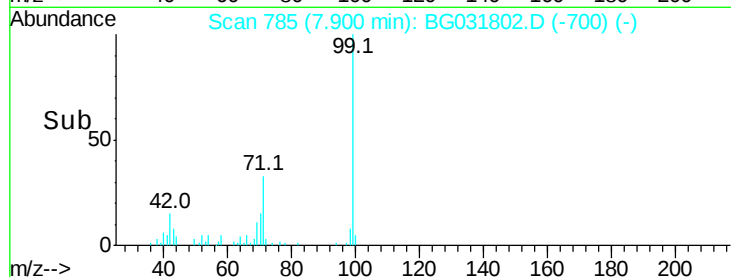
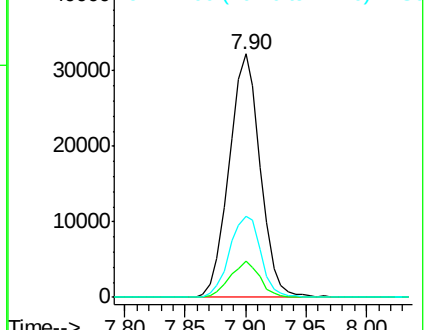
99 100

42 15.1 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



#10

Phenol

Concen: 2.064 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.03 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

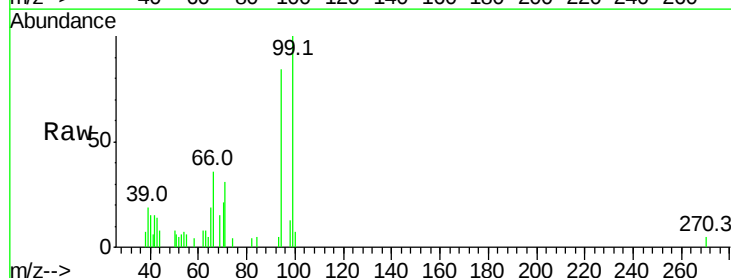
Tgt Ion: 94 Resp: 6293

Ion Ratio Lower Upper

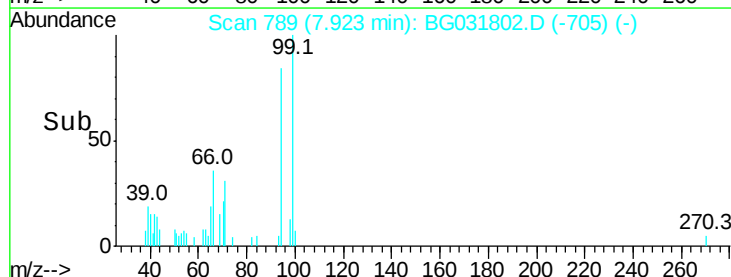
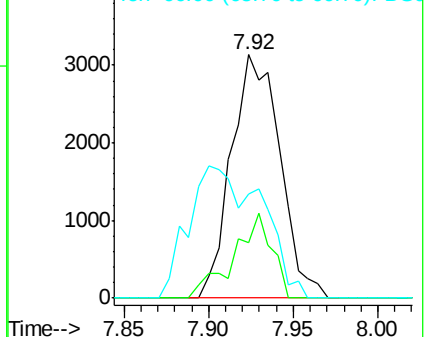
94 100

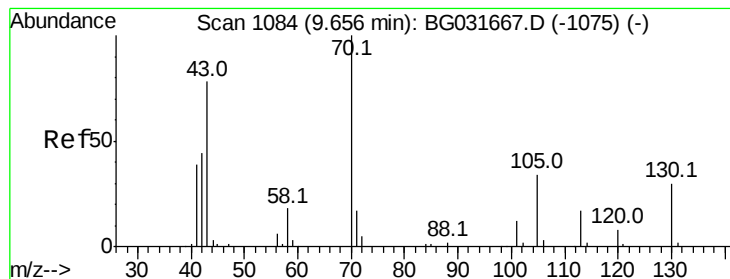
65 23.0 11.9 51.9

66 42.5 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 12.249 ng

RT: 10.00 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 25256

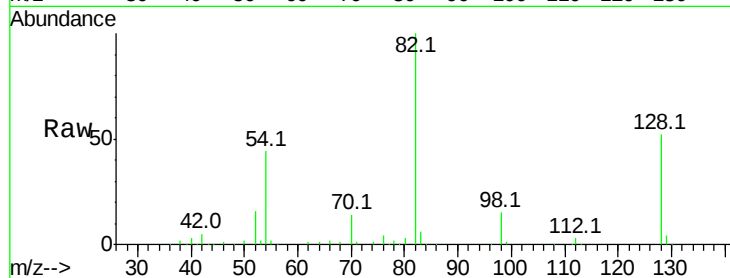
Ion Ratio Lower Upper

70 100

42 40.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

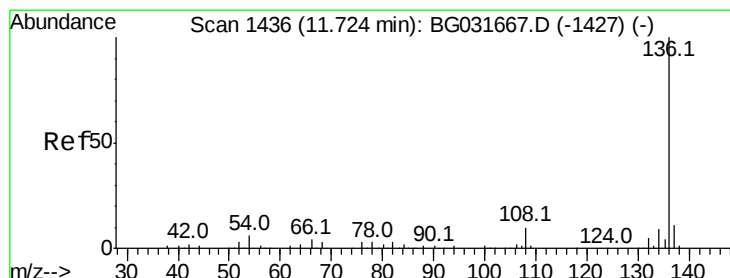
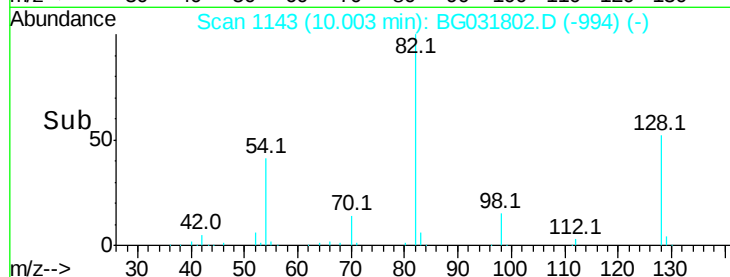
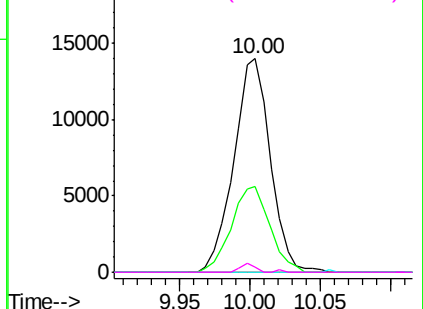


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.69 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Tgt Ion: 136 Resp: 171286

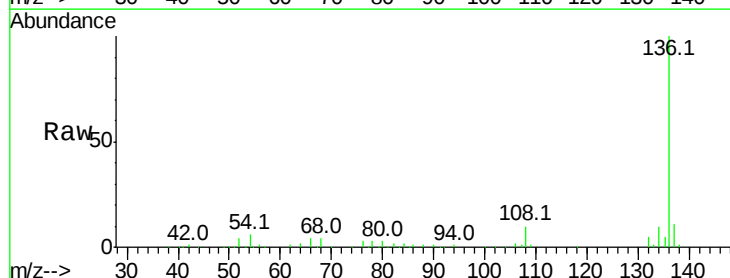
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 6.1 10.3 15.5#

68 4.0 4.5 6.7#

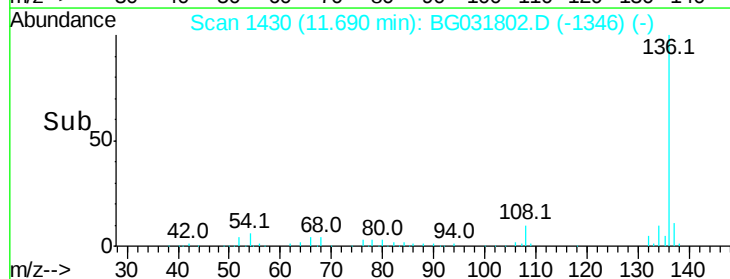
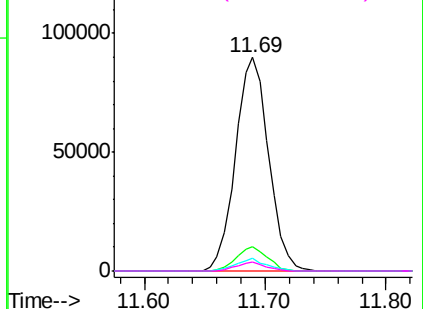


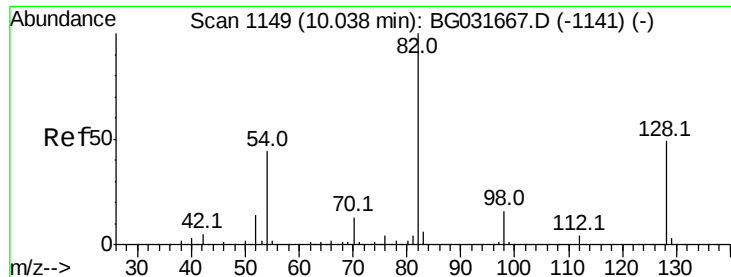
Abundance Ion 136.00 (135.70 to 136.70): BGC

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





#23

Nitrobenzene-d5

Concen: 86.955 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Instrument :

BNA_G

ClientSampleId :

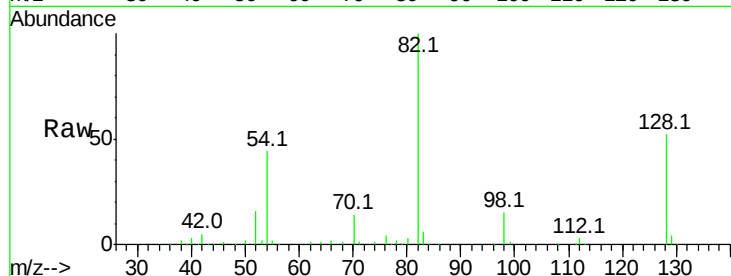
Tot Ion: 82 Resp: 197243

Ion Ratio Lower Upper

82 100

128 52.0 29.7 44.5#

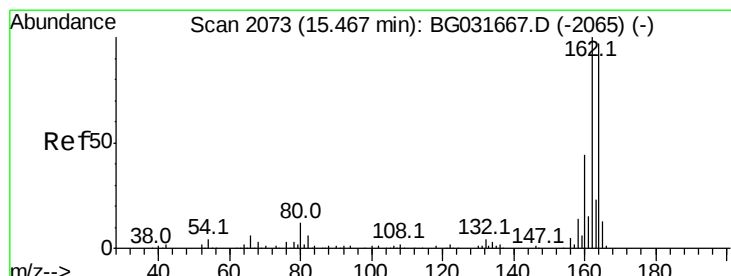
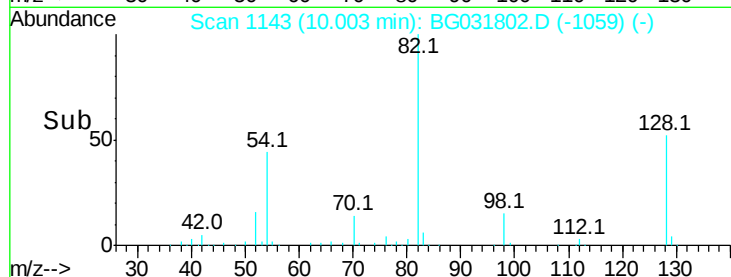
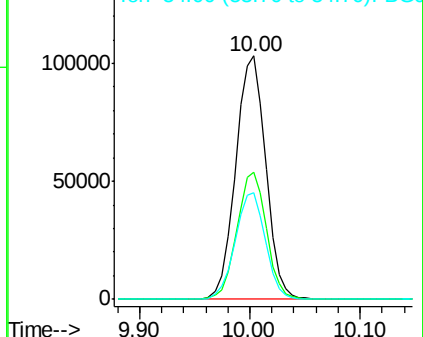
54 43.7 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

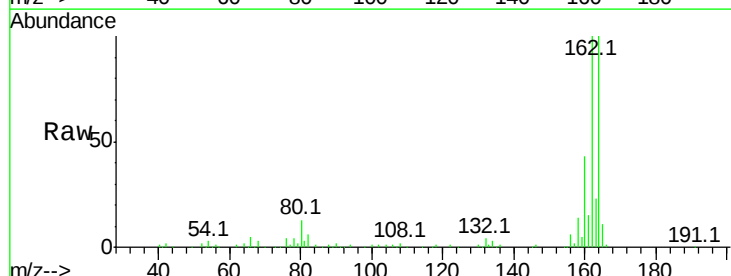
Tgt Ion:164 Resp: 127297

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

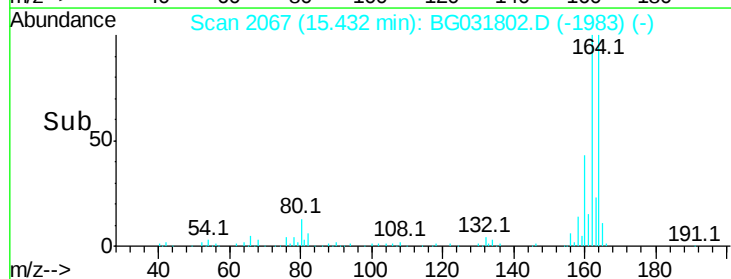
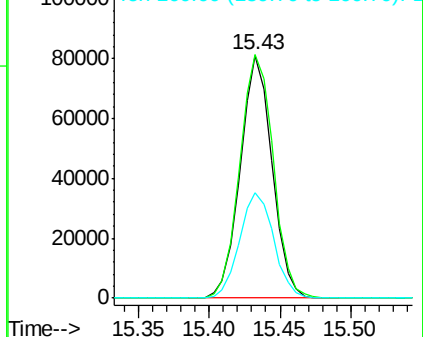
160 43.4 35.4 53.0

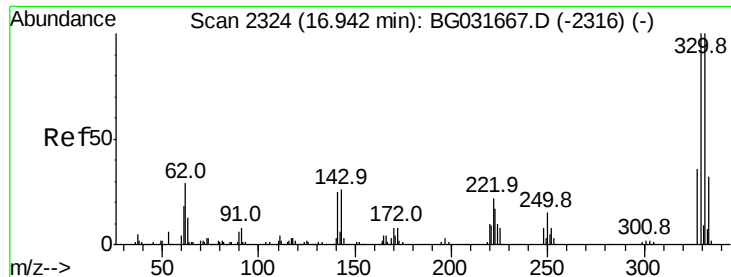


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

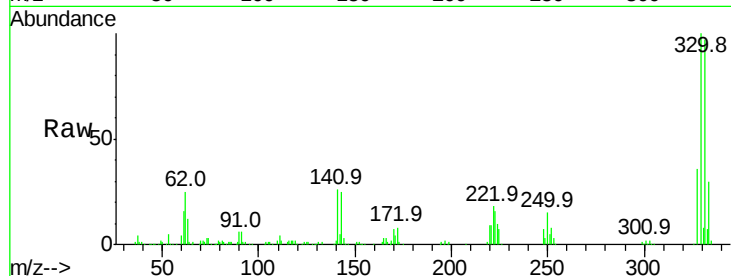




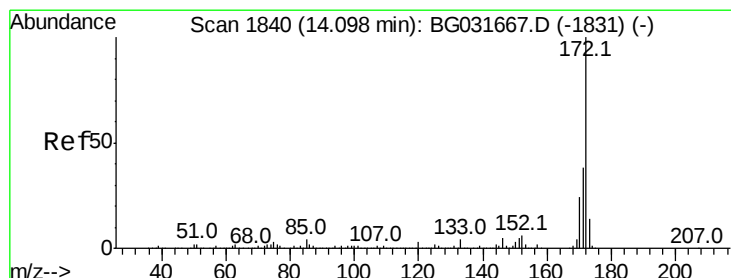
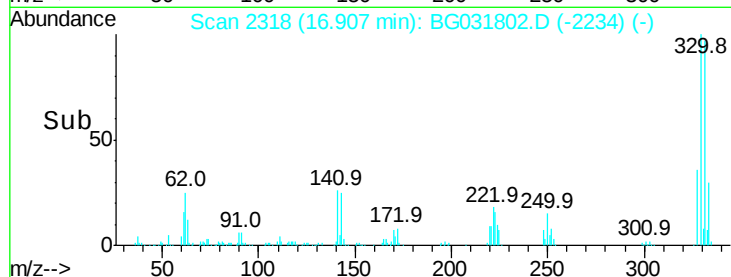
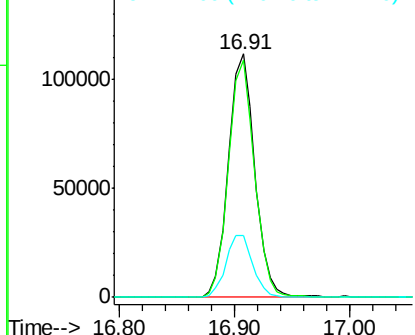
#41
 2,4,6-Tribromophenol
 Concen: 91.336 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.03 min
 Lab File: BG031802.D
 Acq: 27 Dec 2017 18:37

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	26.1	25.2	37.8

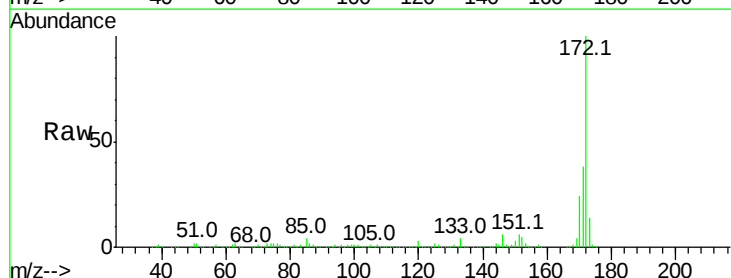


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

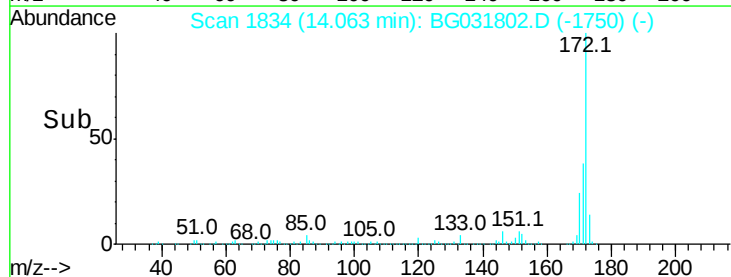
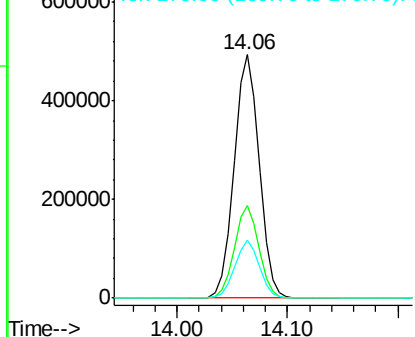


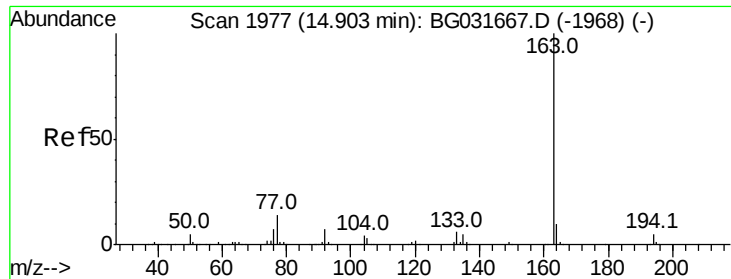
#44
 2-Fluorobiphenyl
 Concen: 77.344 ng
 RT: 14.06 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031802.D
 Acq: 27 Dec 2017 18:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	23.6	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





#49

Dimethylphthalate

Concen: 2.301 ng

RT: 14.86 min Scan# 1969

Delta R.T. -0.05 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Instrument :

BNA_G

ClientSampleId :

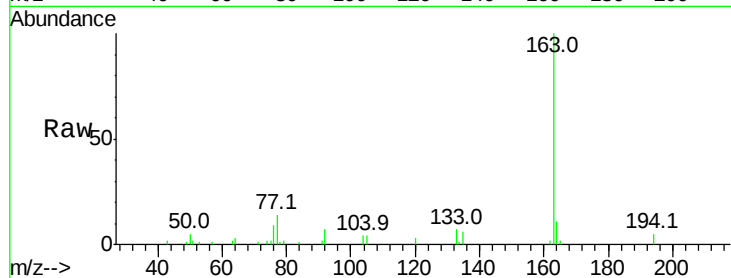
Tot Ion:163 Resp: 25802

Ion Ratio Lower Upper

163 100

194 5.4 3.4 5.2#

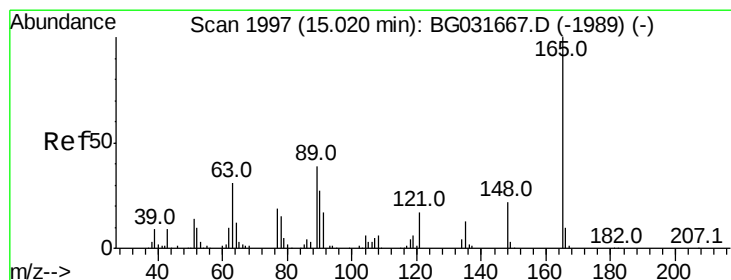
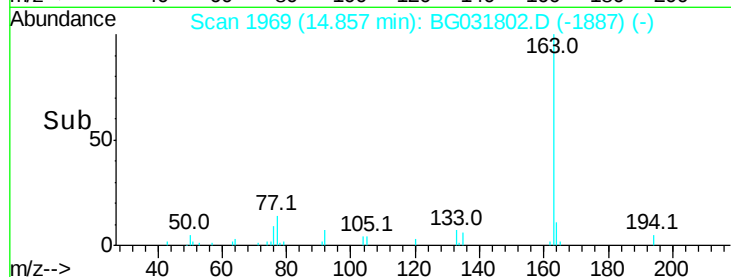
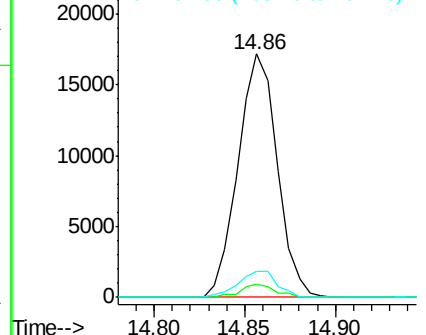
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.963 ng

RT: 15.43 min Scan# 2067

Delta R.T. 0.41 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

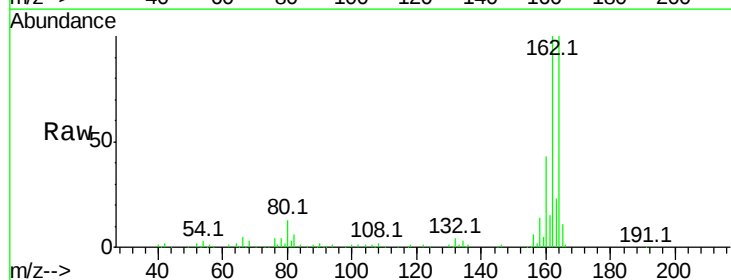
Tgt Ion:165 Resp: 16428

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

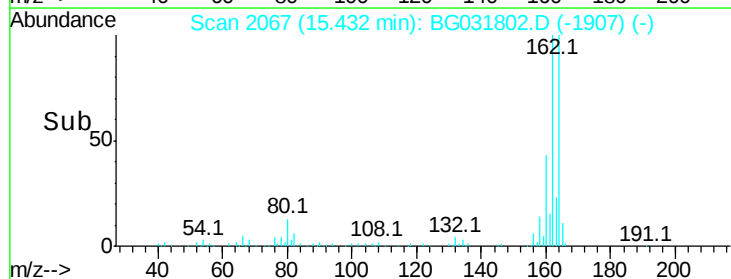
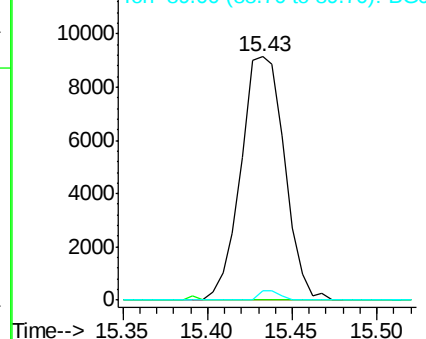
89 3.8 49.2 73.8#

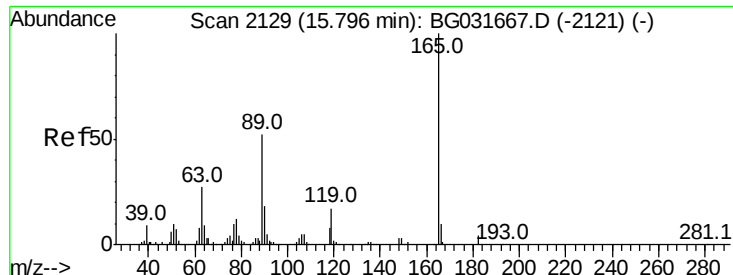


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#56

2,4-Dinitrotoluene

Concen: 6.193 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.36 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 16428

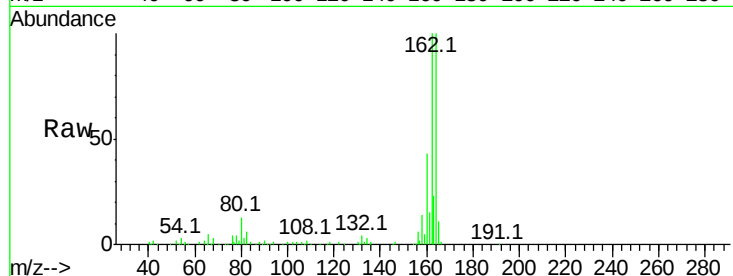
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.8 66.9 100.3#

182 0.0 2.6 3.8#

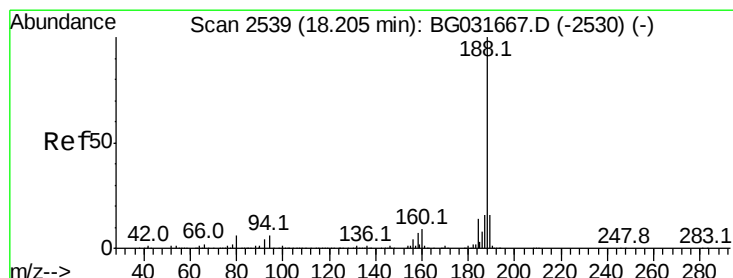
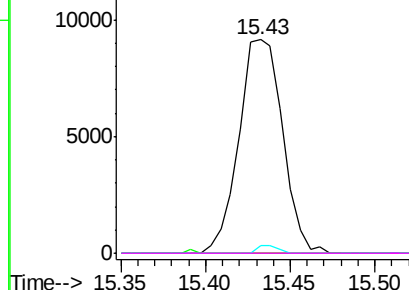
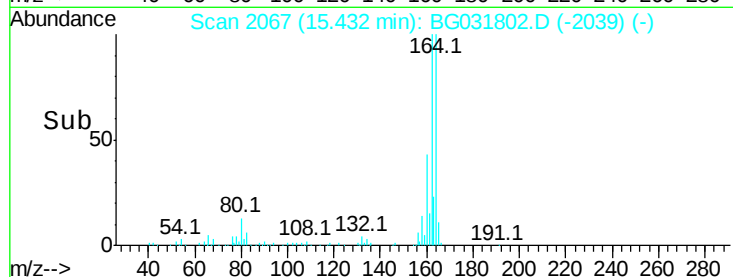


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.16 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

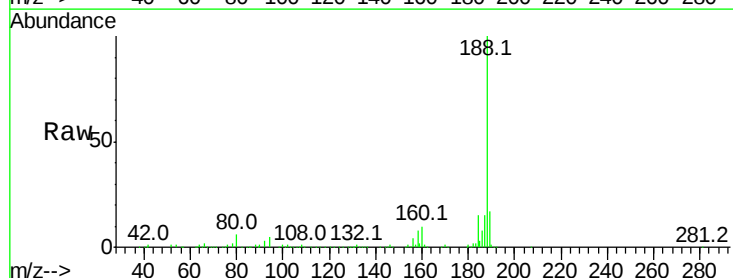
Tgt Ion:188 Resp: 347598

Ion Ratio Lower Upper

188 100

94 5.2 6.9 10.3#

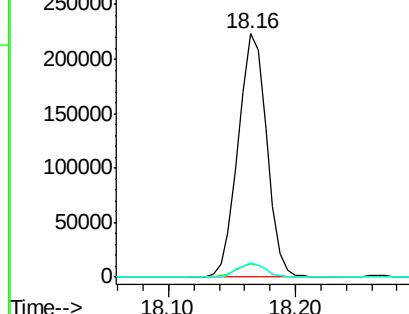
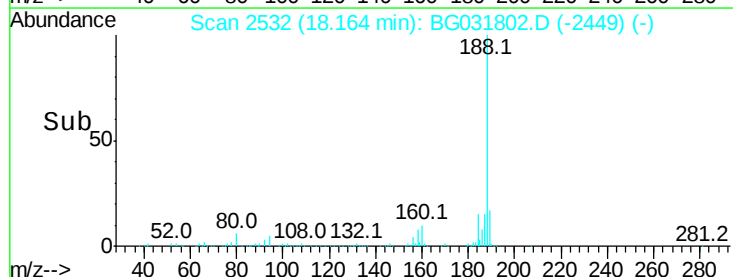
80 5.8 7.7 11.5#

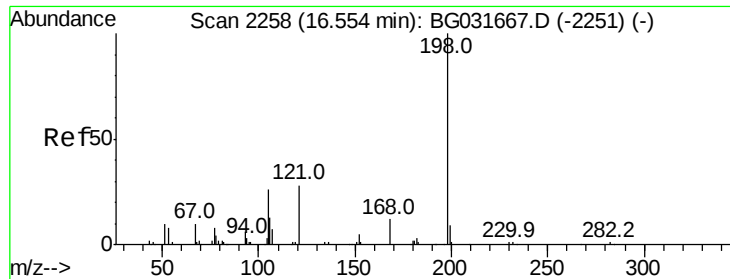


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.547 ng

RT: 16.91 min Scan# 2318

Delta R.T. 0.35 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Instrument :

BNA_G

ClientSampled :

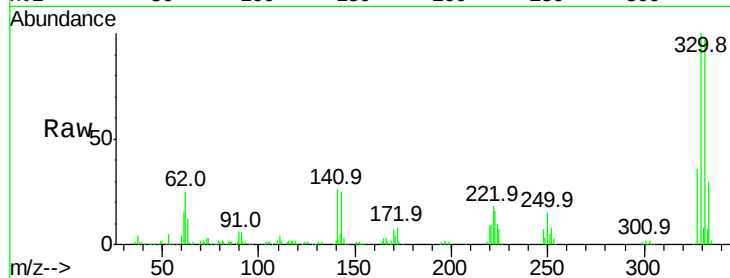
Tot Ion:198 Resp: 493

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

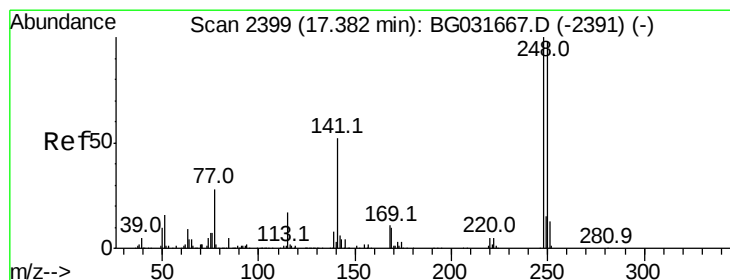
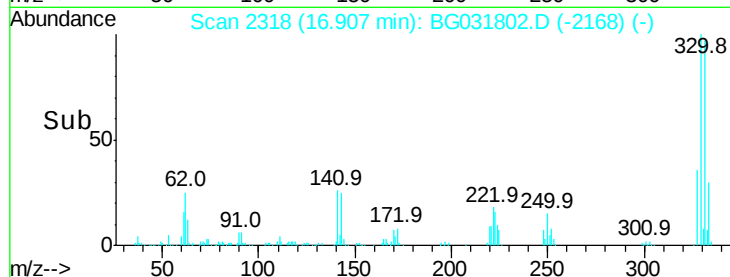
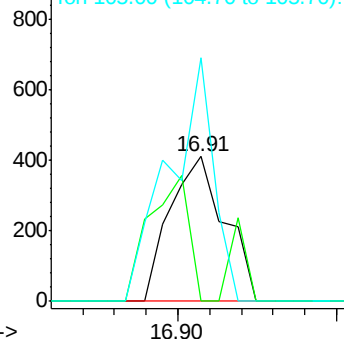
105 168.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.721 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.48 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

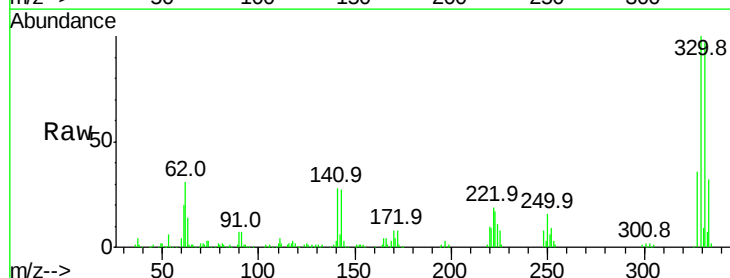
Tgt Ion:248 Resp: 13678

Ion Ratio Lower Upper

248 100

250 189.3 77.1 115.7#

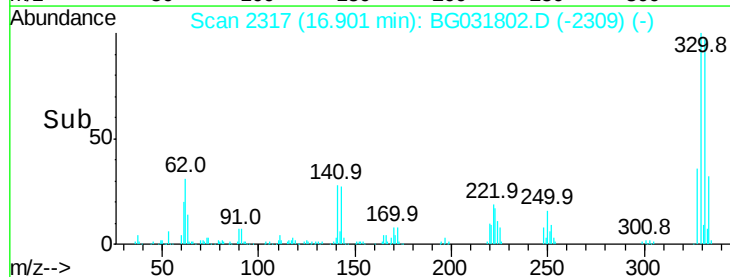
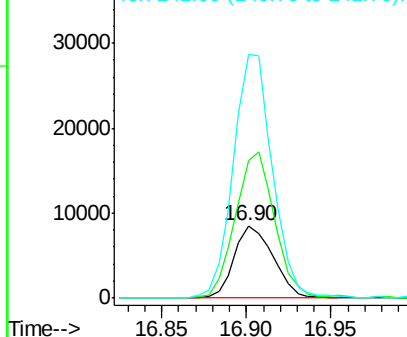
141 336.2 50.8 76.2#

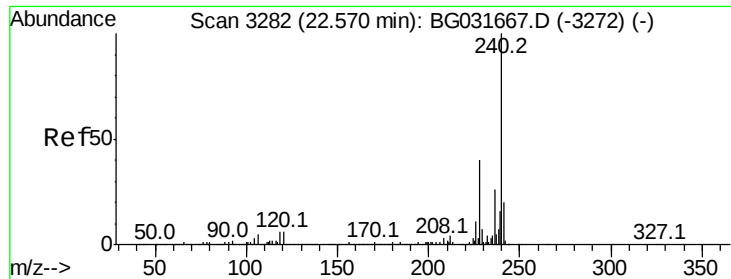


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.51 min Scan# 3272

Delta R.T. -0.06 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

Instrument :

BNA_G

ClientSampled :

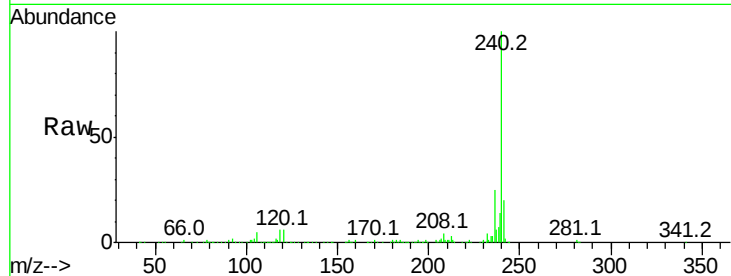
Tot Ion:240 Resp: 411366

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

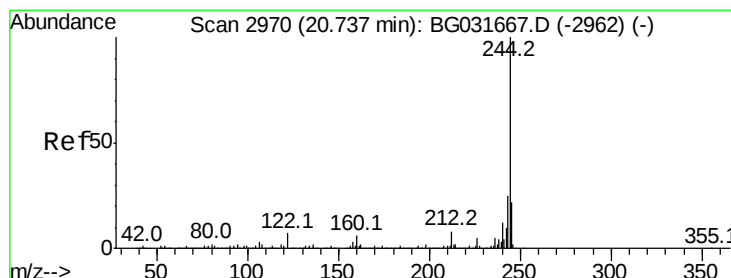
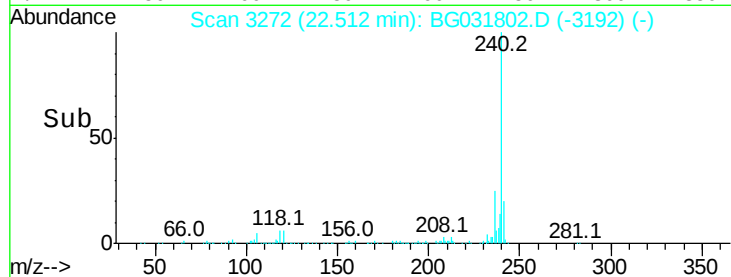
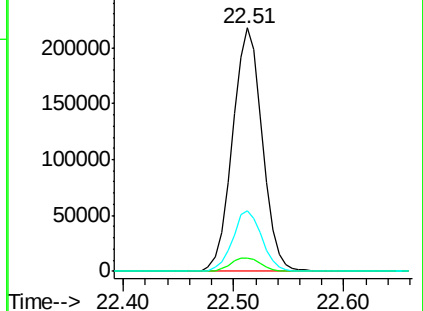
236 24.9 20.9 31.3



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: 79.099 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031802.D

Acq: 27 Dec 2017 18:37

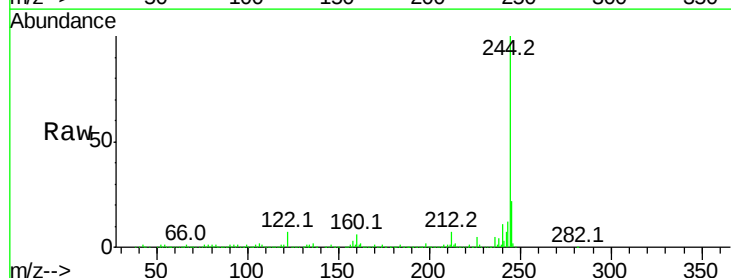
Tgt Ion:244 Resp: 1424224

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

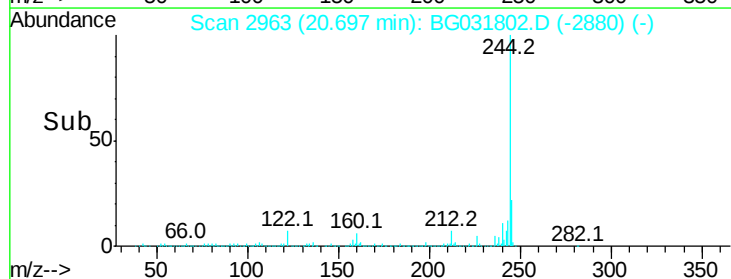
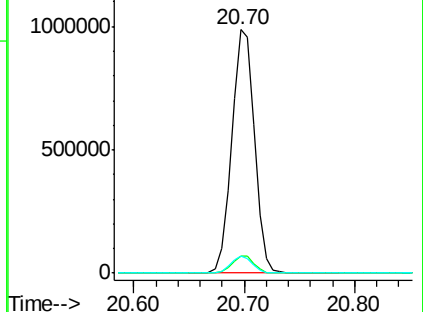
122 6.8 7.0 10.4#

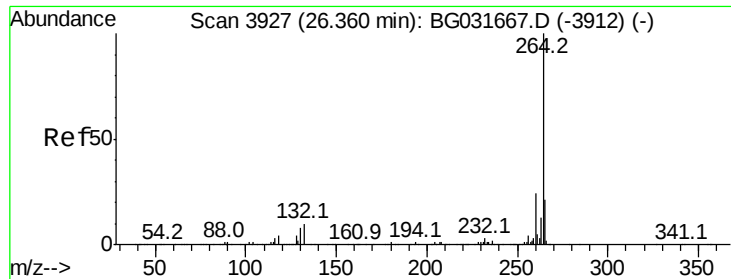


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

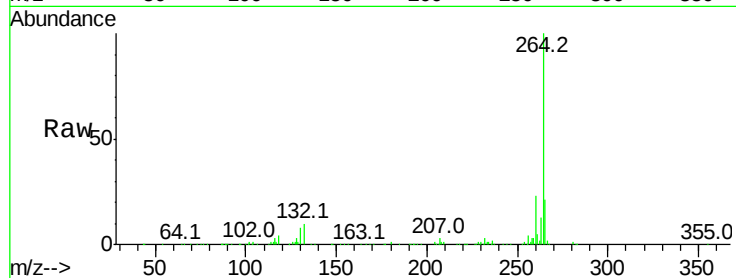




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.27 min Scan# 3911
 Delta R.T. -0.09 min
 Lab File: BG031802.D
 Acq: 27 Dec 2017 18:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	21.5	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

