

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031685.D
 Acq On : 21 Dec 2017 22:29
 Operator : SJ/JU
 Sample : I6681-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 03:17:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 14:09:19 2017
 Response via : Initial Calibration

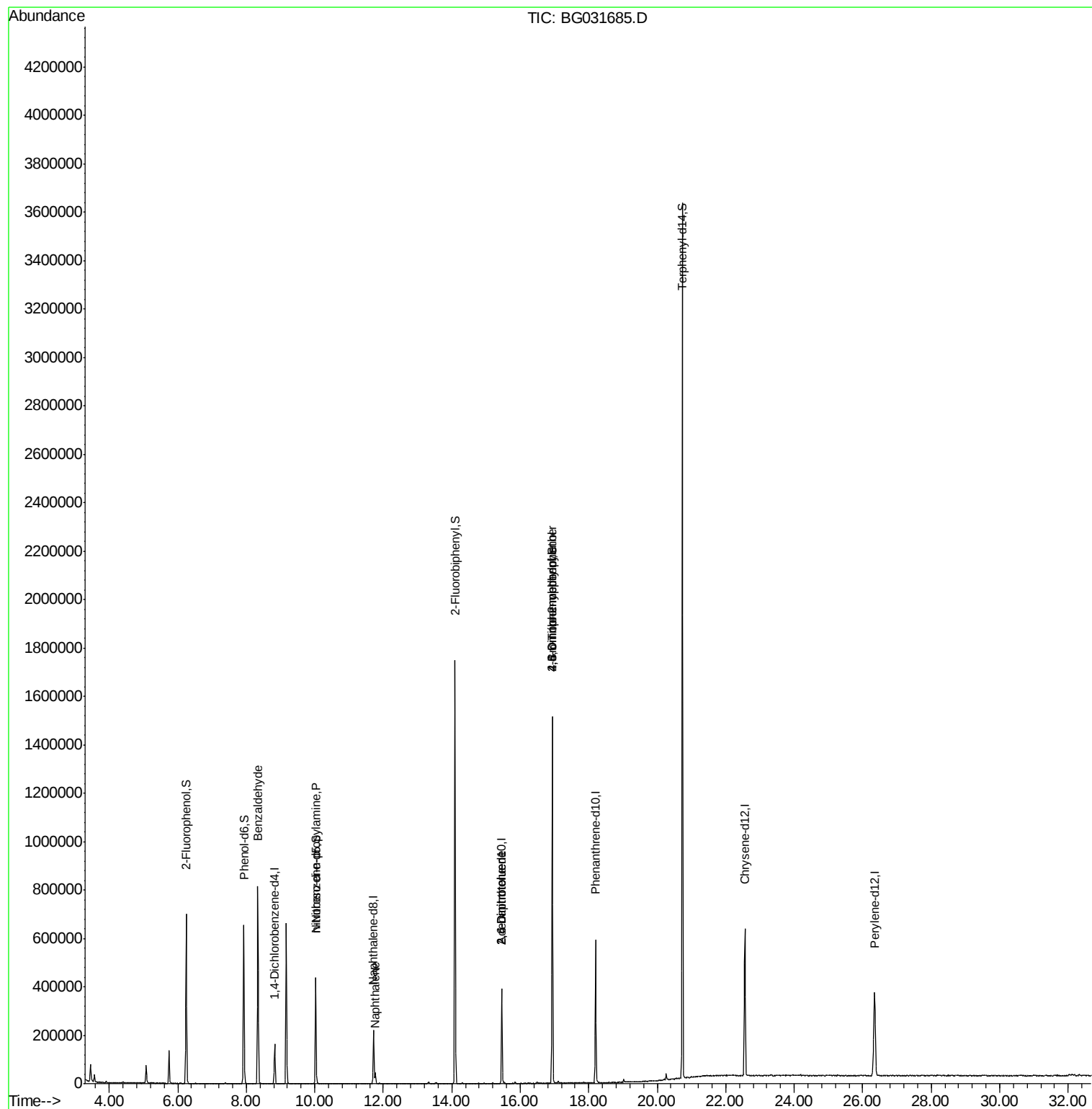
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	54265	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	221796	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	151792	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	407311	20.00	ng	0.00
75) Chrysene-d12	22.56	240	476166	20.00	ng	-0.01
86) Perylene-d12	26.35	264	494364	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.25	112	398315	133.69	ng	0.00
7) Phenol-d6	7.93	99	462225	119.50	ng	0.00
23) Nitrobenzene-d5	10.03	82	286102	97.41	ng	-0.01
41) 2,4,6-Tribromophenol	16.94	330	371018	160.19	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1045337	86.44	ng	0.00
78) Terphenyl-d14	20.73	244	1944154	93.28	ng	0.00
Target Compounds						
9) Benzaldehyde	8.34	77	10129	4.349	ng	95
19) n-Nitroso-di-n-propylamine	10.03	70	38776	14.678	ng	# 72
31) Naphthalene	11.77	128	42802	3.824	ng	96
50) 2,6-Dinitrotoluene	15.46	165	19394	7.884	ng	# 20
56) 2,4-Dinitrotoluene	15.46	165	19394	6.131	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.94	198	807	8.643	ng	# 66
66) 4-Bromophenyl-phenylether	16.94	248	29273	4.970	ng	# 1

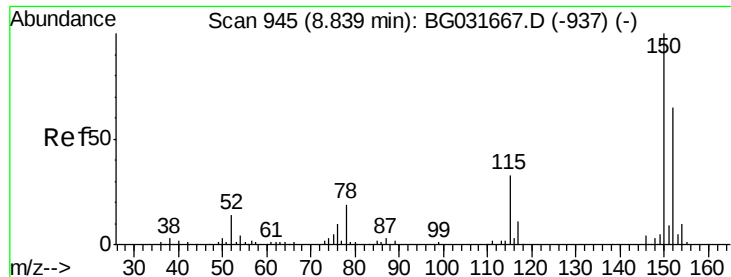
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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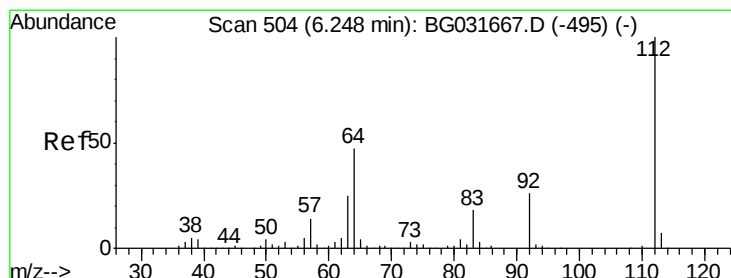
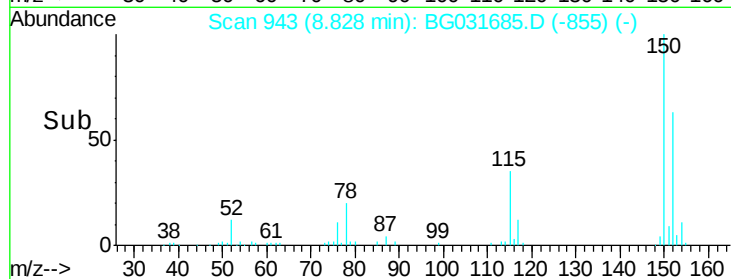
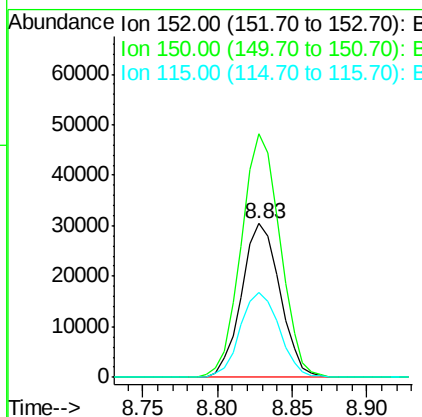
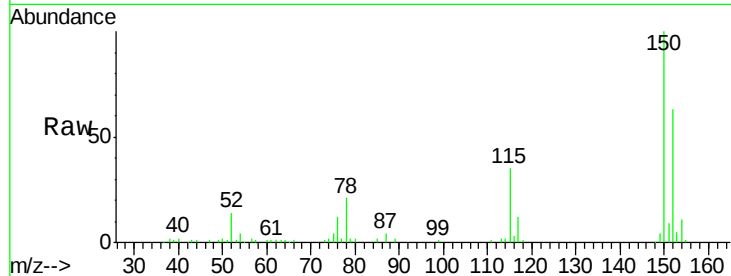




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.83 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BG031685.D
 Acq: 21 Dec 2017 22:29

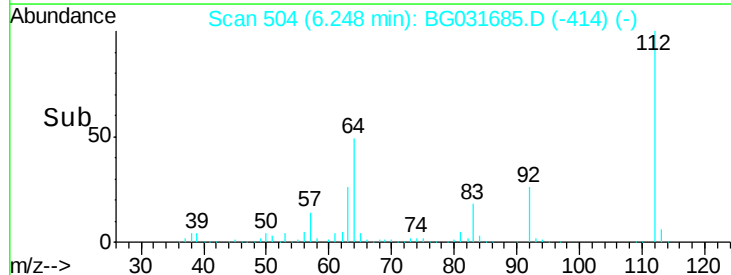
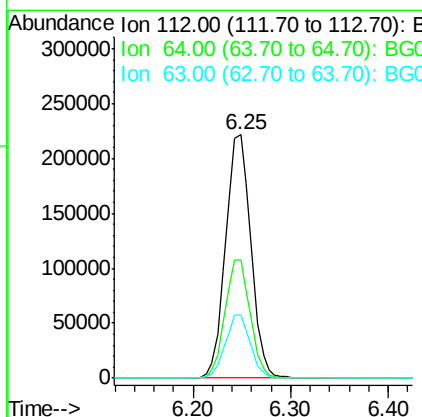
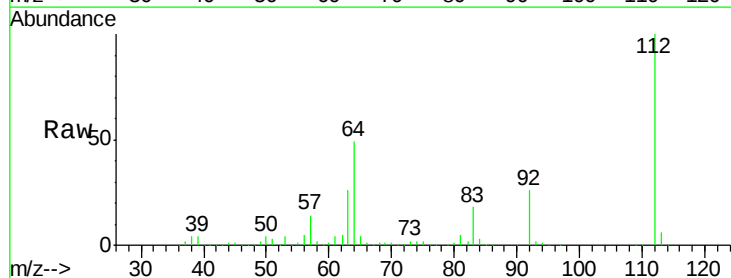
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 54265
 Ion Ratio Lower Upper
 152 100
 150 158.3 126.6 189.8
 115 54.8 53.0 79.4



#5
 2-Fluorophenol
 Concen: 133.693 ng
 RT: 6.25 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BG031685.D
 Acq: 21 Dec 2017 22:29

Tgt Ion:112 Resp: 398315
 Ion Ratio Lower Upper
 112 100
 64 48.5 56.3 84.5#
 63 25.9 30.1 45.1#





#7

Phenol-d6

Concen: 119.495 ng

RT: 7.93 min Scan# 790

Delta R.T. 0.00 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

Instrument :

BNA_G

ClientSampleId :

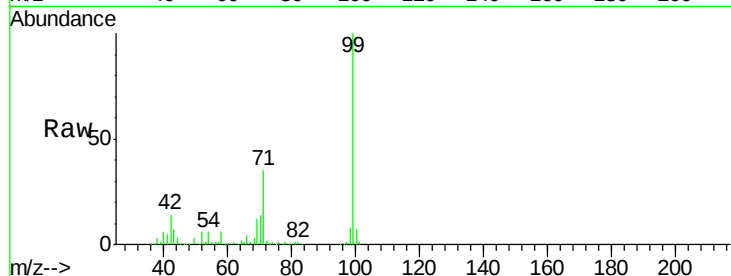
Tot Ion: 99 Resp: 462225

Ion Ratio Lower Upper

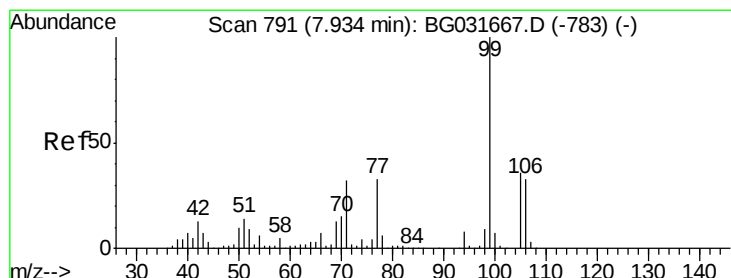
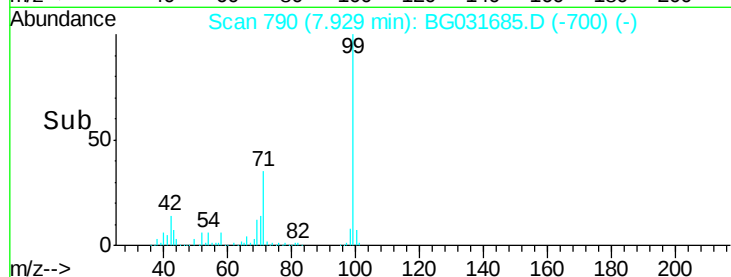
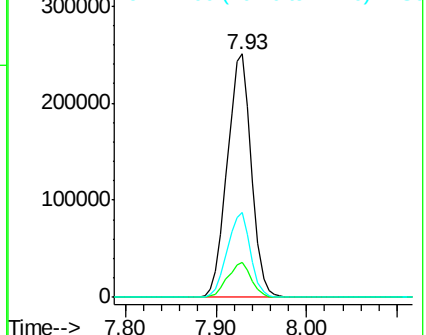
99 100

42 14.3 14.1 21.1

71 34.7 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



#9

Benzaldehyde

Concen: 4.349 ng

RT: 8.34 min Scan# 860

Delta R.T. 0.41 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

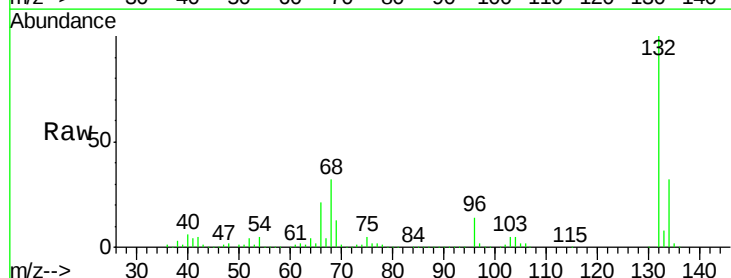
Tgt Ion: 77 Resp: 10129

Ion Ratio Lower Upper

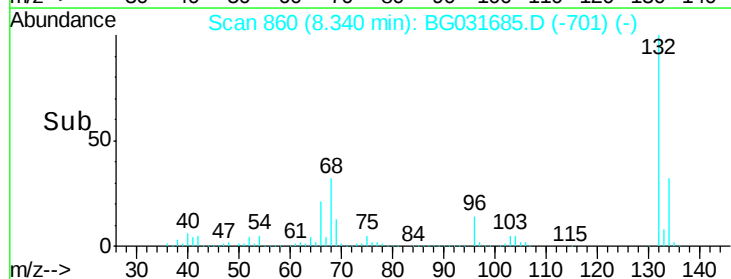
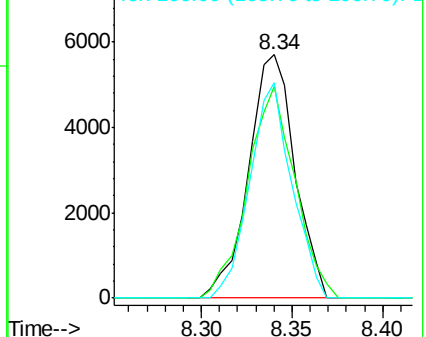
77 100

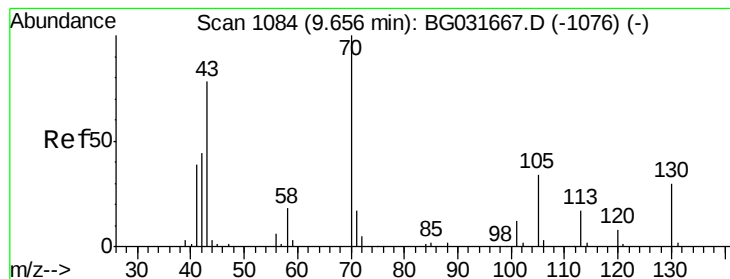
105 87.2 71.3 111.3

106 88.6 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.678 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 38776

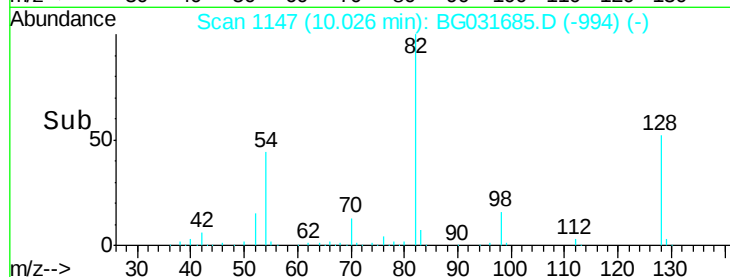
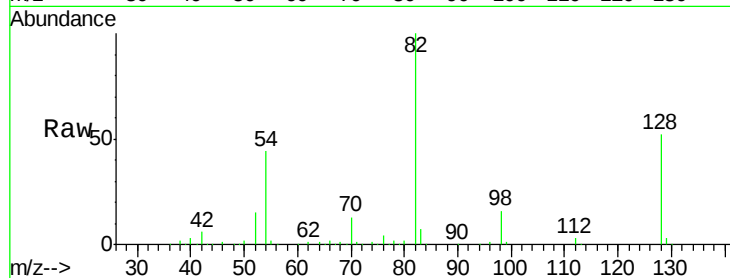
Ion Ratio Lower Upper

70 100

42 41.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#



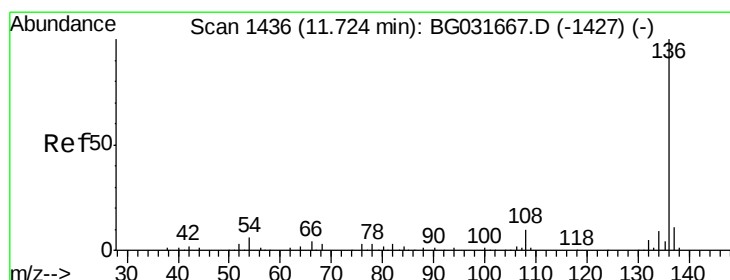
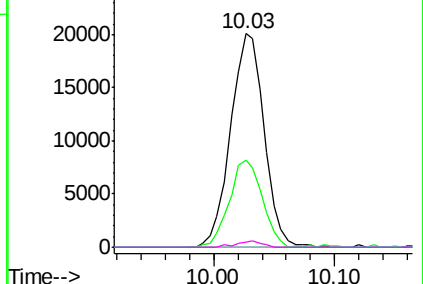
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.72 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

Tgt Ion: 136 Resp: 221796

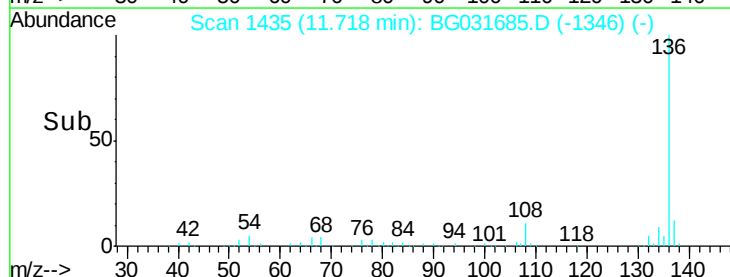
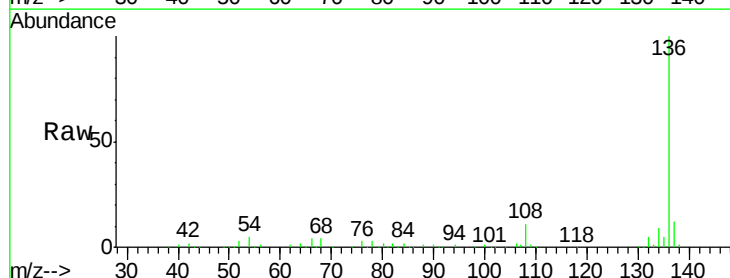
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 5.1 10.3 15.5#

68 3.9 4.5 6.7#



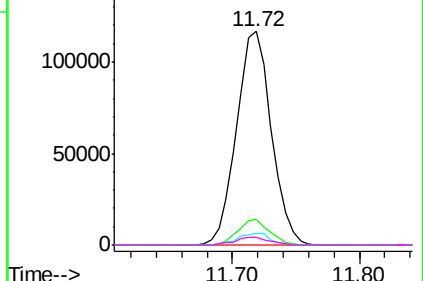
Abundance Ion 136.00 (135.70 to 136.70): BGC

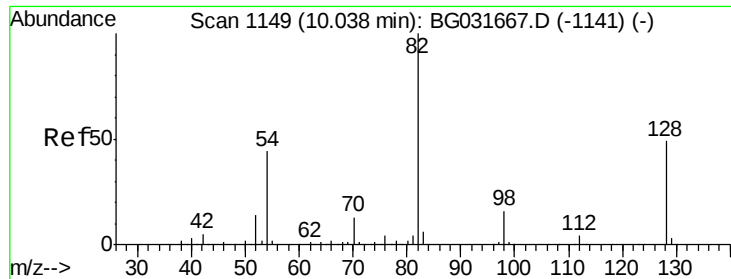
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time-->

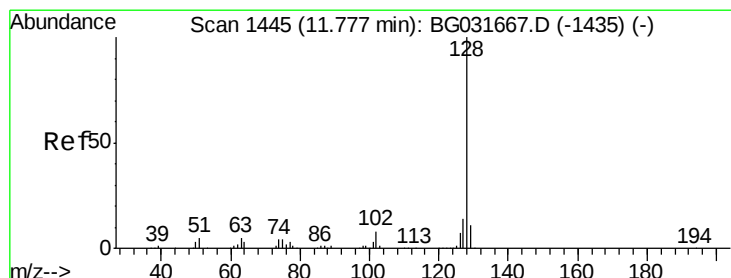
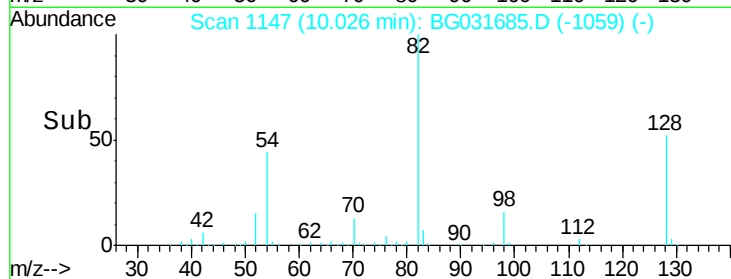
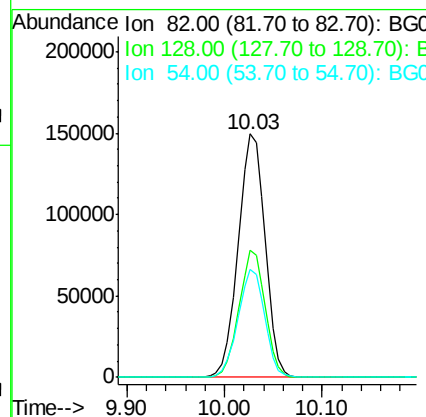
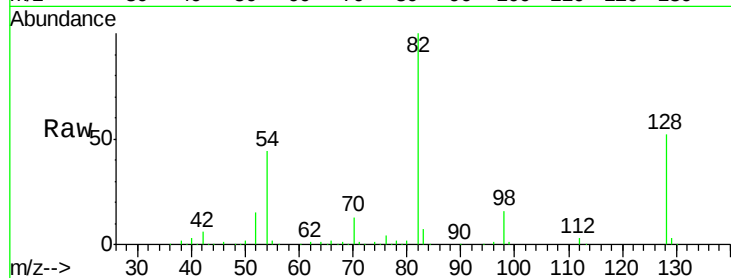




#23
Nitrobenzene-d5
Concen: 97.406 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031685.D
Acq: 21 Dec 2017 22:29

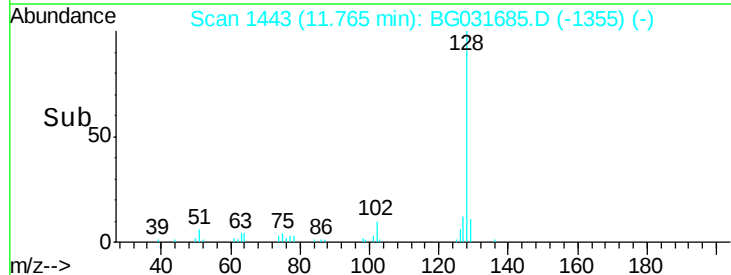
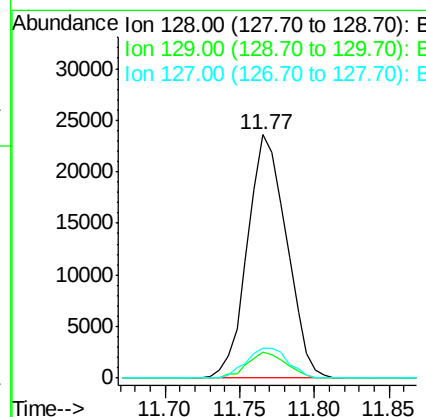
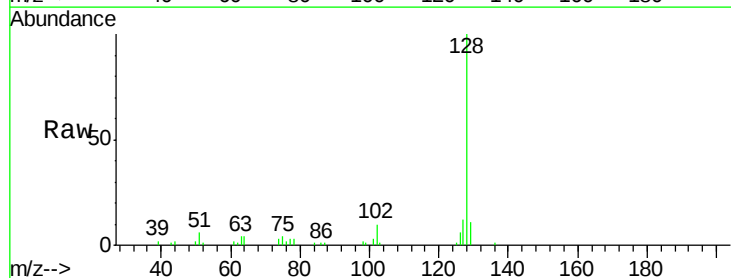
Instrument :
BNA_G
ClientSampleId :

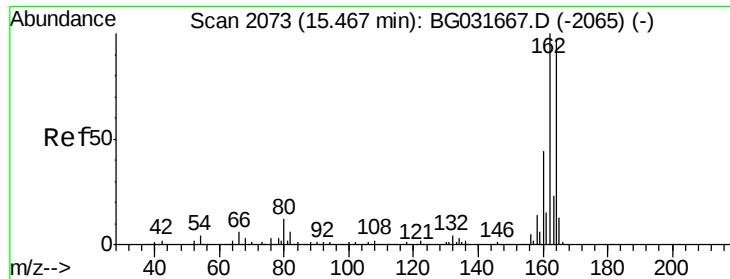
Tot Ion: 82 Resp: 286102
Ion Ratio Lower Upper
82 100
128 52.2 29.7 44.5#
54 44.5 43.1 64.7



#31
Naphthalene
Concen: 3.824 ng
RT: 11.77 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BG031685.D
Acq: 21 Dec 2017 22:29

Tgt Ion: 128 Resp: 42802
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 12.0 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

Instrument :

BNA_G

ClientSampleId :

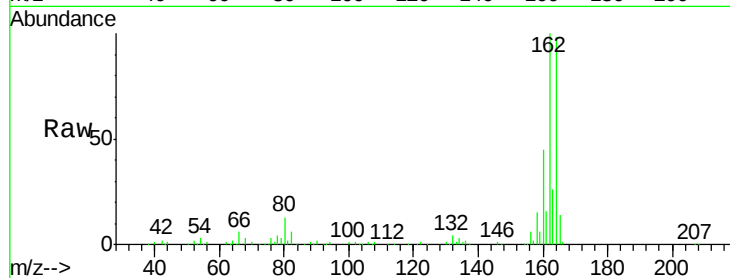
Tot Ion:164 Resp: 151792

Ion Ratio Lower Upper

164 100

162 102.2 78.8 118.2

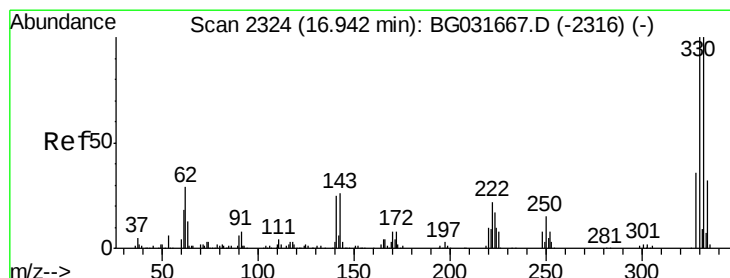
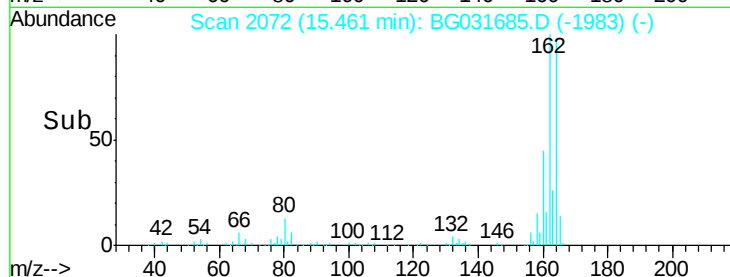
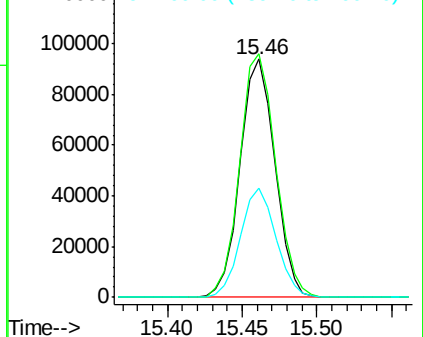
160 45.7 35.4 53.0



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: 160.188 ng

RT: 16.94 min Scan# 2323

Delta R.T. -0.01 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

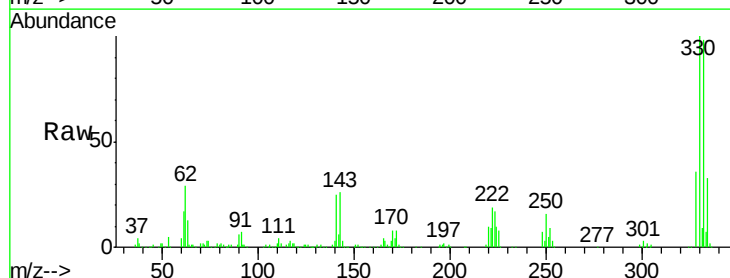
Tgt Ion:330 Resp: 371018

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

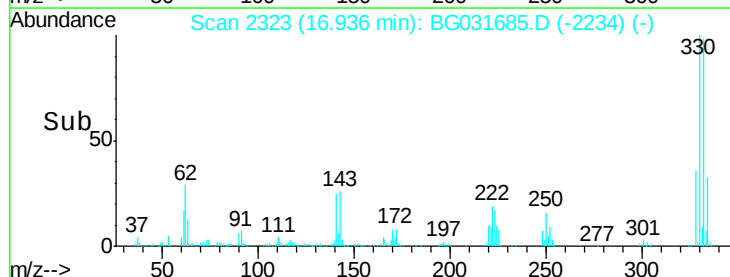
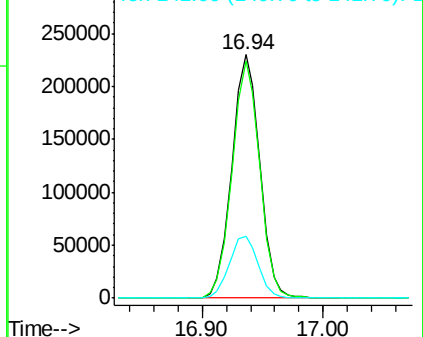
141 26.1 25.2 37.8

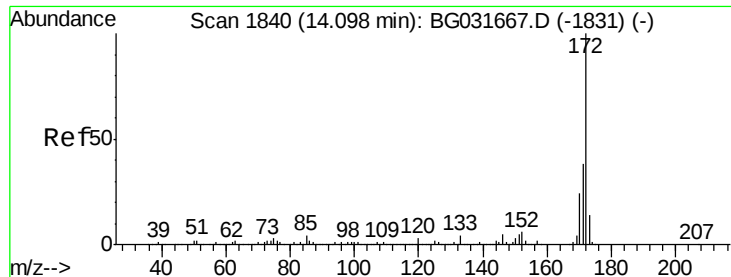


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

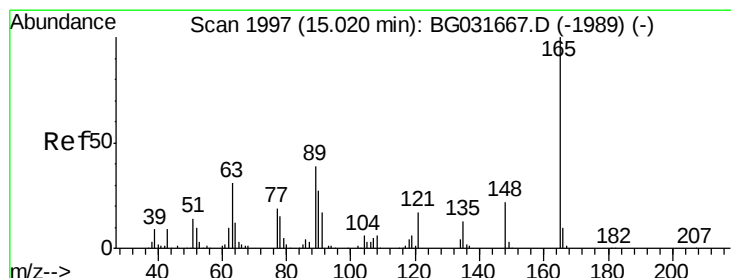
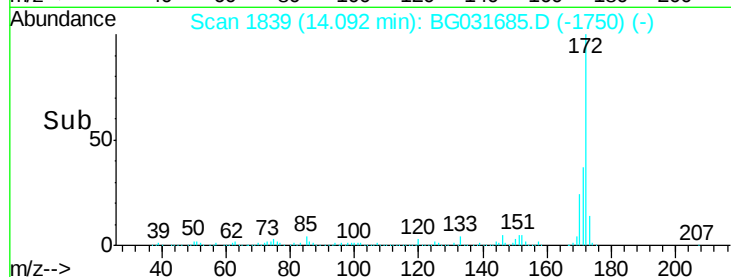
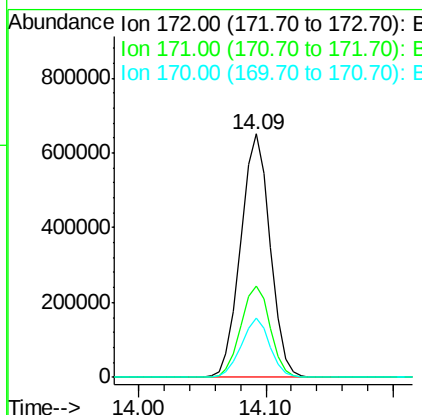
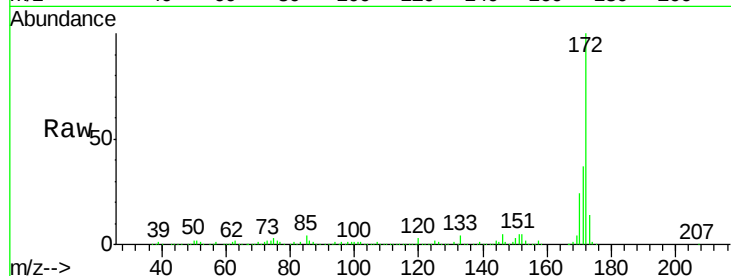




#44
2-Fluorobiphenyl
Concen: 86.437 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BG031685.D
Acq: 21 Dec 2017 22:29

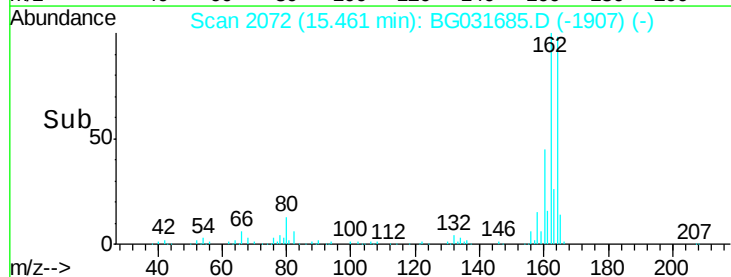
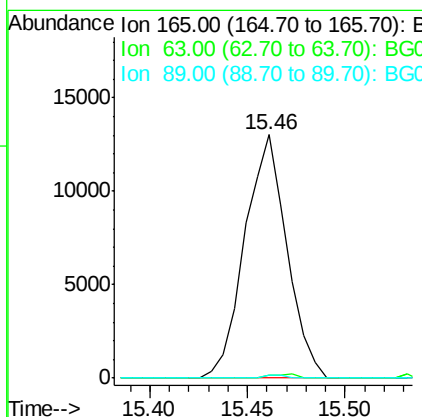
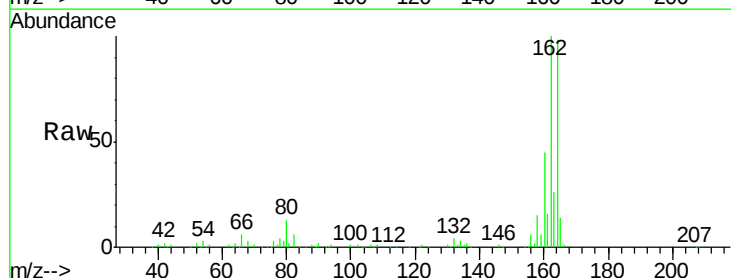
Instrument :
BNA_G
ClientSampleId :

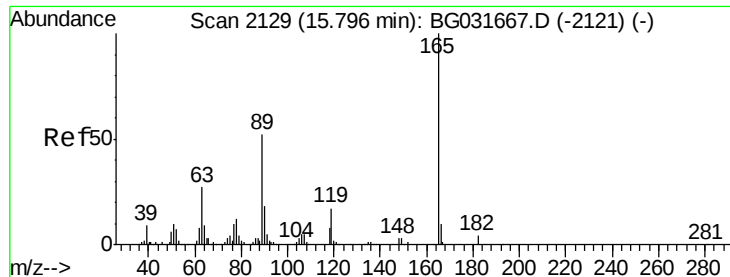
Tot Ion:172 Resp: 1045337
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 24.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.884 ng
RT: 15.46 min Scan# 2072
Delta R.T. 0.44 min
Lab File: BG031685.D
Acq: 21 Dec 2017 22:29

Tgt Ion:165 Resp: 19394
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 1.5 49.2 73.8#

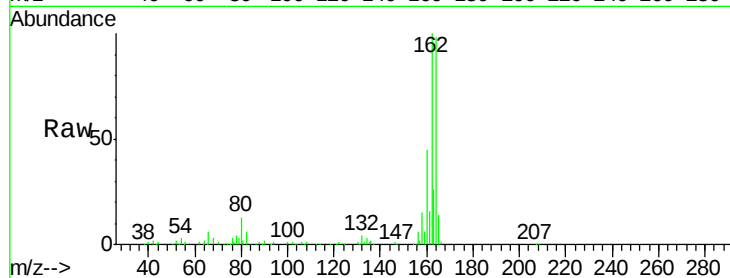




#56
 2,4-Dinitrotoluene
 Concen: 6.131 ng
 RT: 15.46 min Scan# 2072
 Delta R.T. -0.33 min
 Lab File: BG031685.D
 Acq: 21 Dec 2017 22:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	1.5	66.9	100.3#
182	0.0	2.6	3.8#

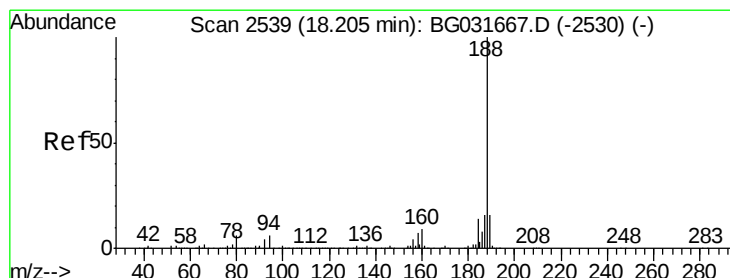
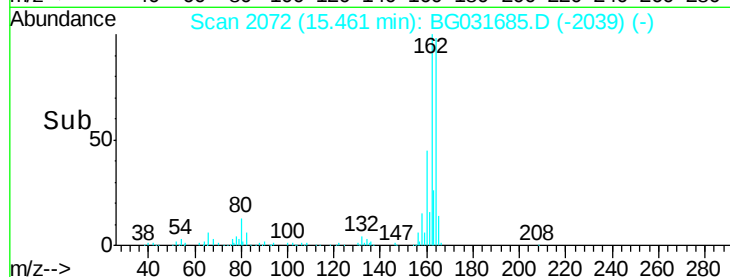
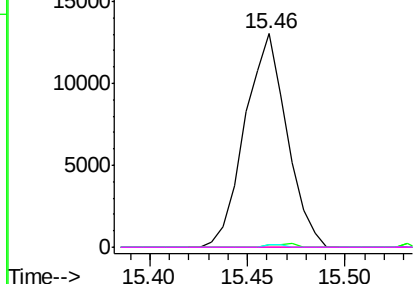


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

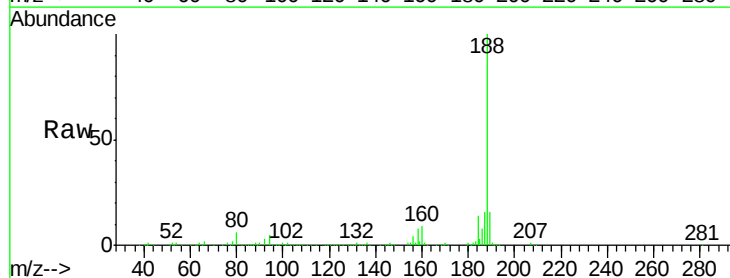
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.20 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BG031685.D
 Acq: 21 Dec 2017 22:29

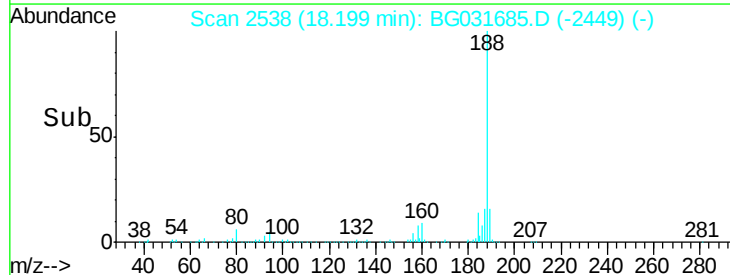
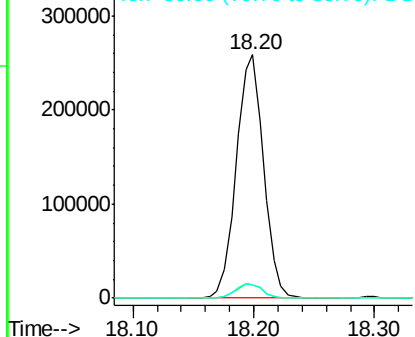
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	5.7	7.7	11.5#

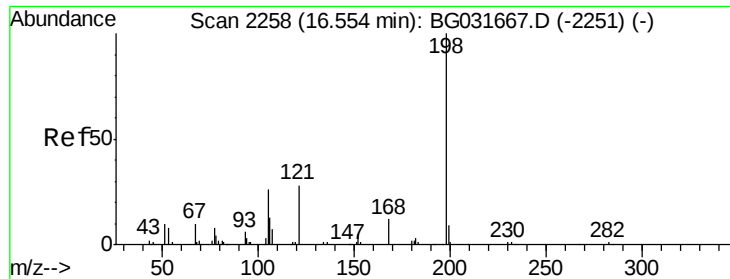


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.643 ng

RT: 16.94 min Scan# 2324

Delta R.T. 0.39 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

Instrument :

BNA_G

ClientSampled :

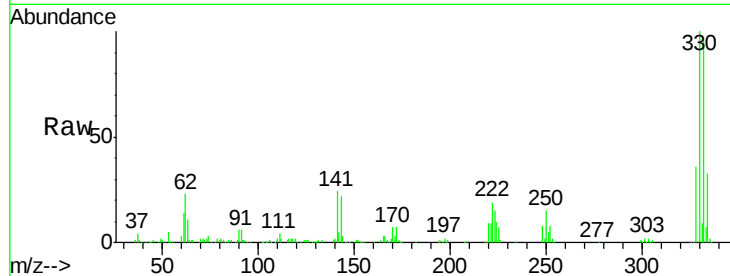
Tot Ion:198 Resp: 807

Ion Ratio Lower Upper

198 100

51 60.3 30.6 70.6

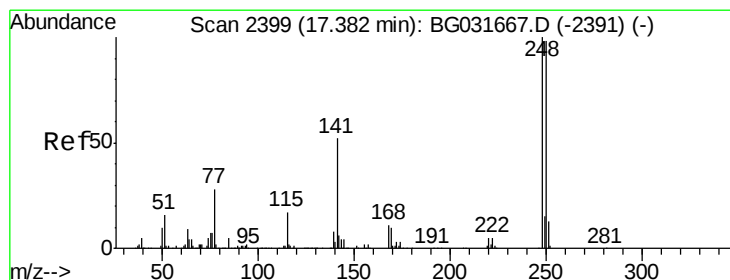
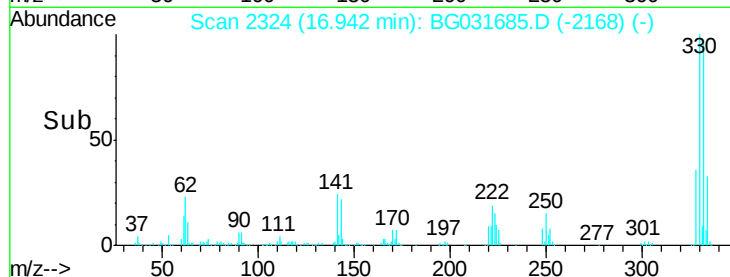
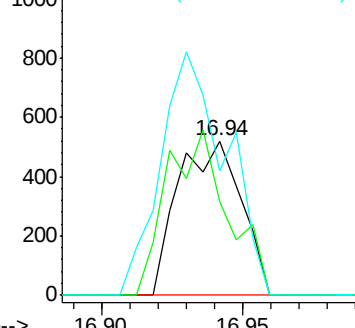
105 80.2 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG031667.D (-2251) (-)

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.970 ng

RT: 16.94 min Scan# 2323

Delta R.T. -0.45 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

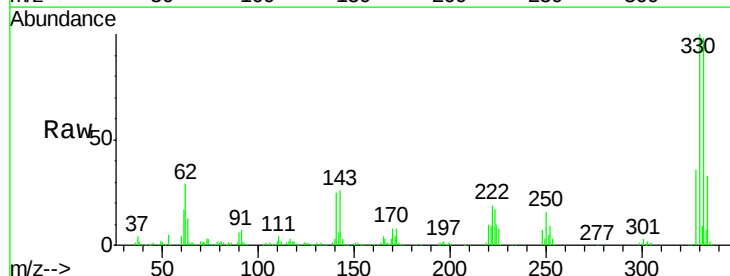
Tgt Ion:248 Resp: 29273

Ion Ratio Lower Upper

248 100

250 216.4 77.1 115.7#

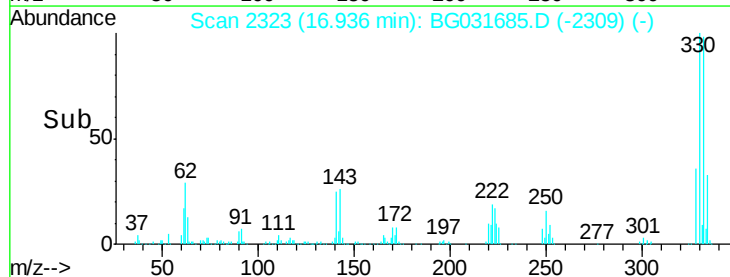
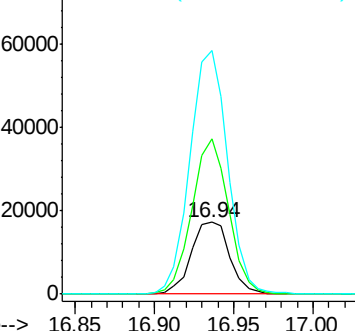
141 340.0 50.8 76.2#

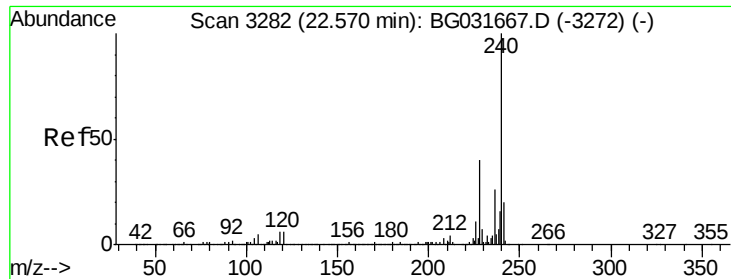


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.56 min Scan# 3280

Delta R.T. -0.01 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

Instrument :

BNA_G

ClientSampleId :

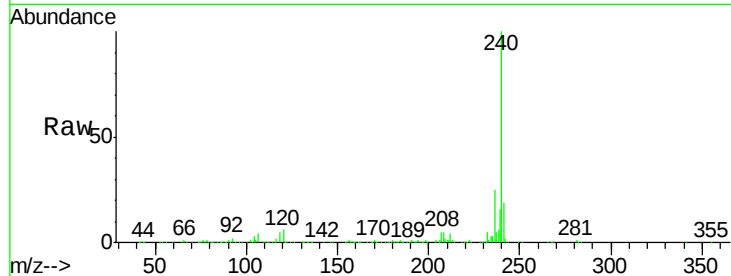
Tot Ion:240 Resp: 476166

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

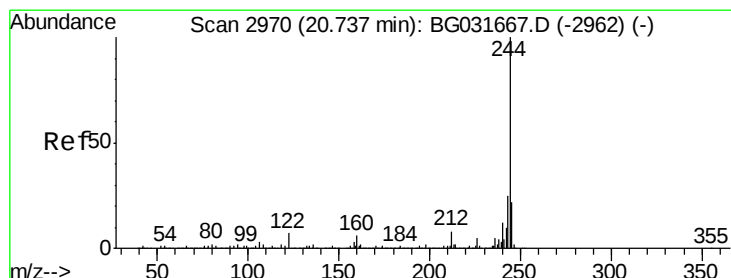
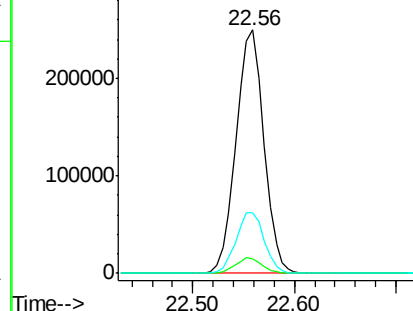
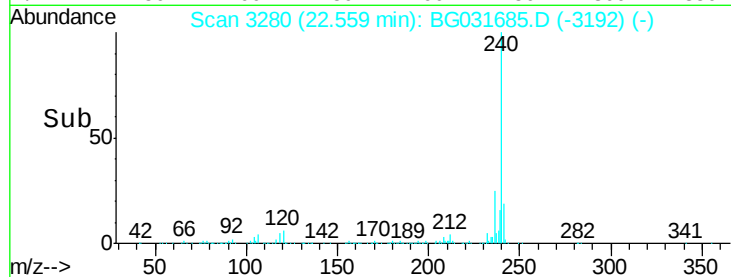
236 24.7 20.9 31.3



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: 93.281 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.01 min

Lab File: BG031685.D

Acq: 21 Dec 2017 22:29

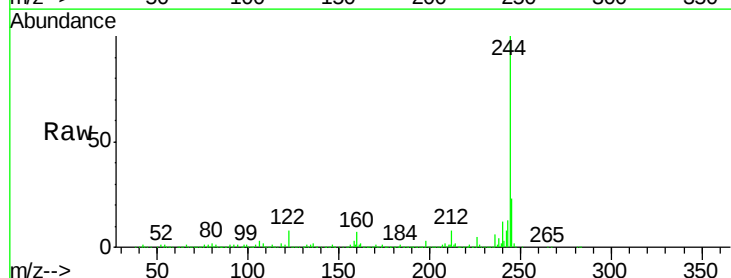
Tgt Ion:244 Resp: 1944154

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

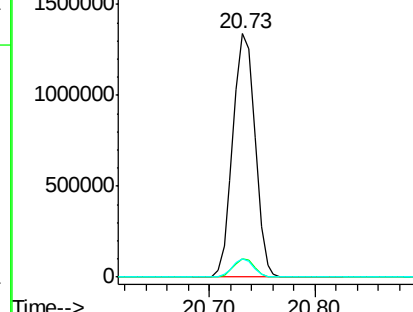
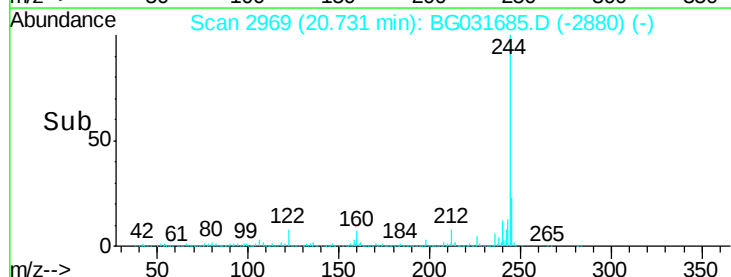
122 7.7 7.0 10.4

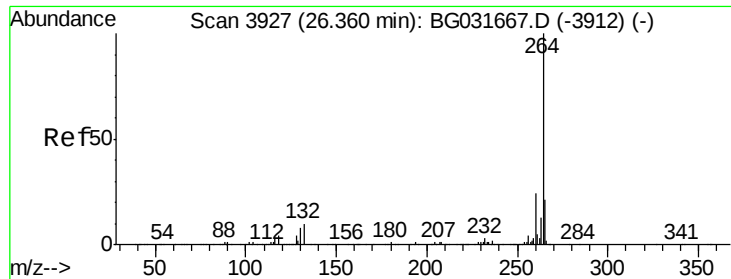


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

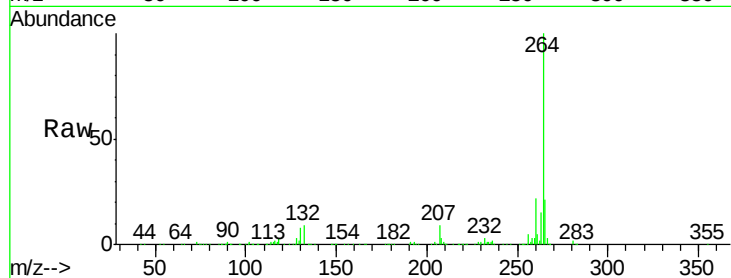




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.35 min Scan# 3925
 Delta R.T. -0.01 min
 Lab File: BG031685.D
 Acq: 21 Dec 2017 22:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.4	26.0
265	20.7	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

