

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031698.D
 Acq On : 22 Dec 2017 6:46
 Operator : SJ/JU
 Sample : I6990-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 07:26:36 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 03:38:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	53103	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	214000	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	150051	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	404199	20.00	ng	0.00
75) Chrysene-d12	22.55	240	487641	20.00	ng	-0.02
86) Perylene-d12	26.34	264	506218	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.24	112	342378	117.43	ng	0.00
7) Phenol-d6	7.92	99	390799	103.24	ng	0.00
23) Nitrobenzene-d5	10.02	82	251387	88.70	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	334359	146.04	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	925433	77.41	ng	0.00
78) Terphenyl-d14	20.73	244	1883175	88.23	ng	0.00

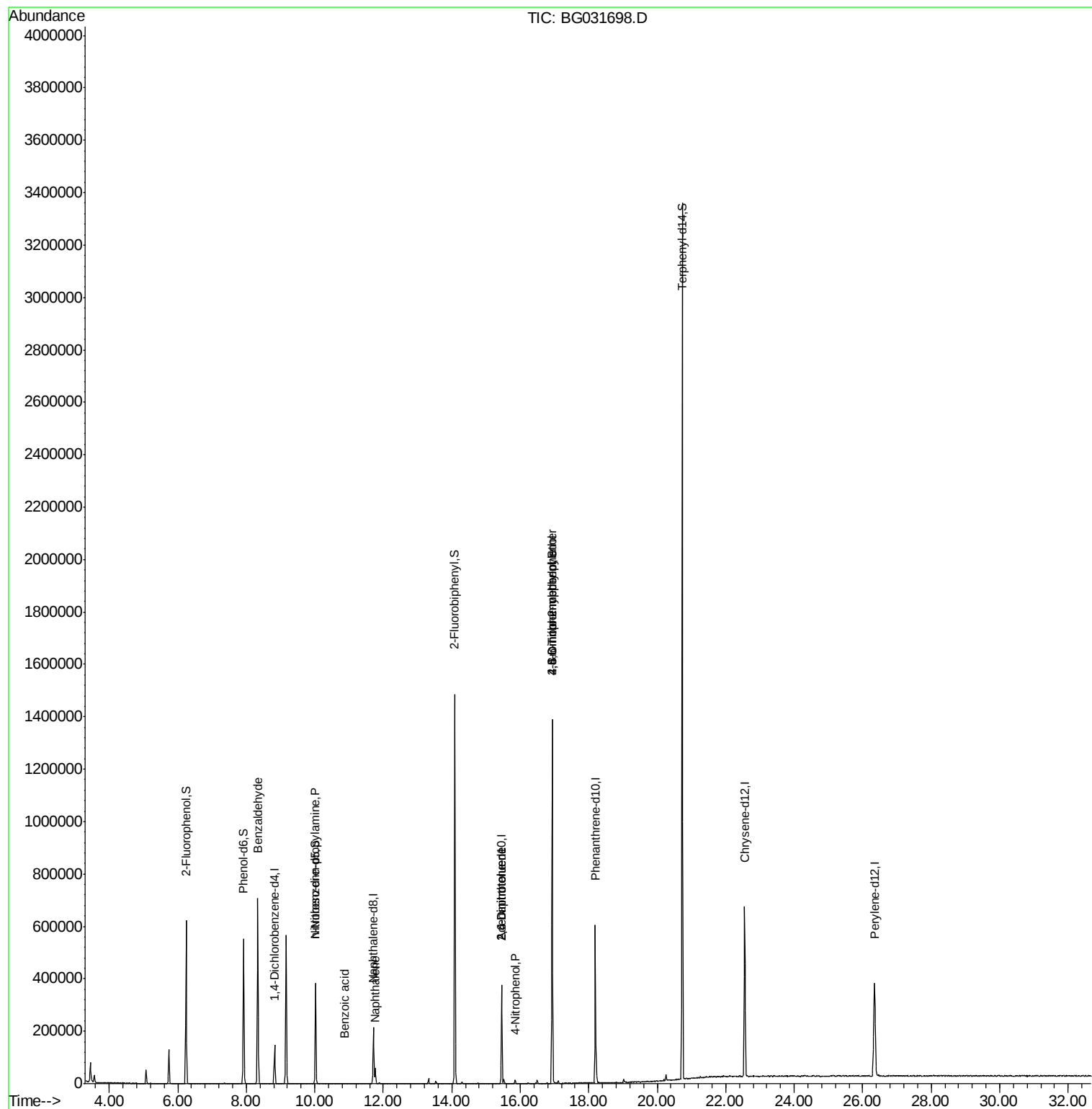
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.34	77	8688	3.812	ng	91
19) n-Nitroso-di-n-propylamine	10.03	70	33046	12.783	ng	# 73
31) Naphthalene	11.77	128	60064	5.561	ng	97
32) Benzoic acid	10.86	122	353	6.833	ng	# 13
50) 2,6-Dinitrotoluene	15.46	165	19523	8.028	ng	# 20
55) 4-Nitrophenol	15.85	139	4089	2.118	ng	# 1
56) 2,4-Dinitrotoluene	15.46	165	19523	6.244	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.93	198	697	8.599	ng	# 8
66) 4-Bromophenyl-phenylether	16.93	248	25987	4.446	ng	# 1

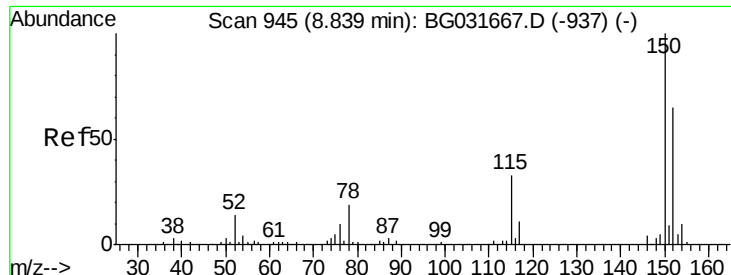
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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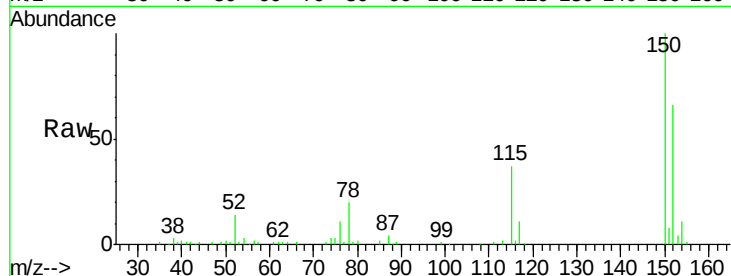




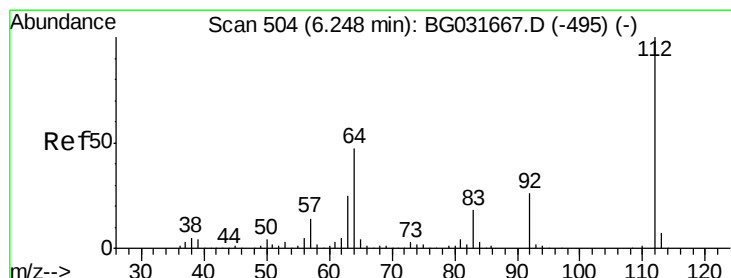
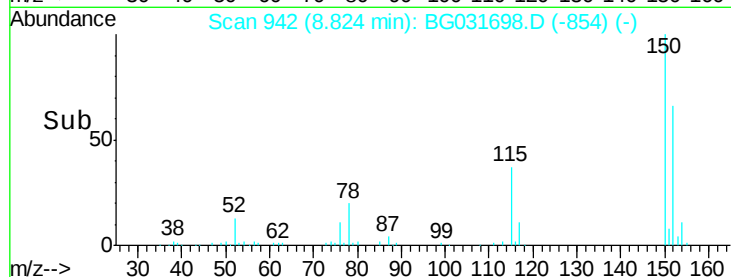
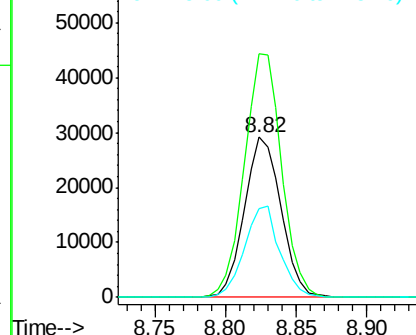
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.82 min Scan# 942
 Delta R.T. -0.02 min
 Lab File: BG031698.D
 Acq: 22 Dec 2017 6:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 53103
 Ion Ratio Lower Upper
 152 100
 150 152.0 126.6 189.8
 115 55.5 53.0 79.4

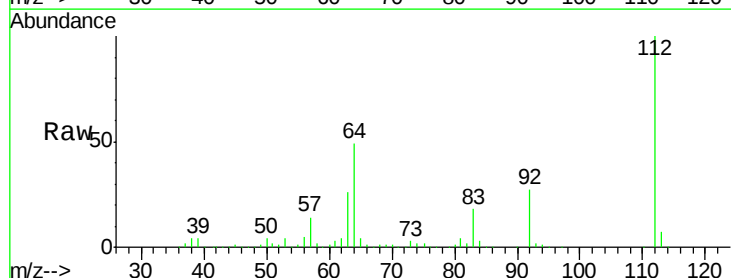


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

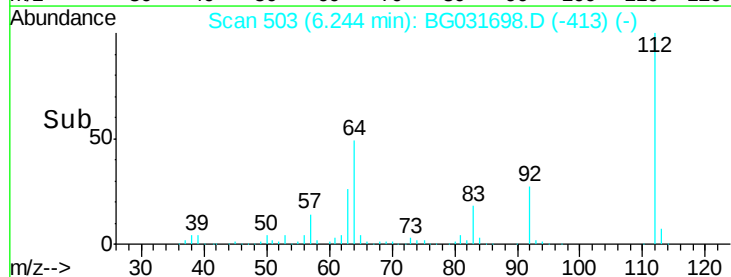
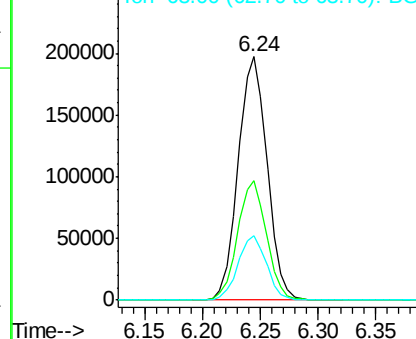


#5
 2-Fluorophenol
 Concen: 117.433 ng
 RT: 6.24 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: BG031698.D
 Acq: 22 Dec 2017 6:46

Tgt Ion:112 Resp: 342378
 Ion Ratio Lower Upper
 112 100
 64 49.0 56.3 84.5#
 63 26.4 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: 103.241 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

Instrument :

BNA_G

ClientSampleId :

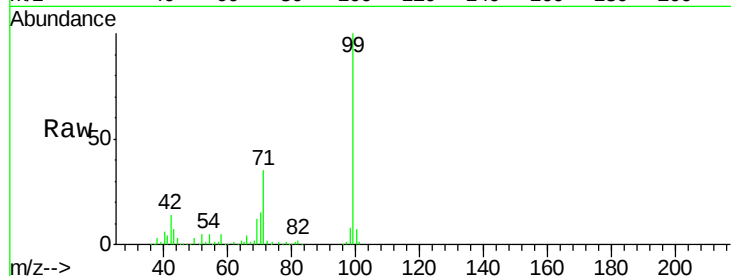
Tot Ion: 99 Resp: 390799

Ion Ratio Lower Upper

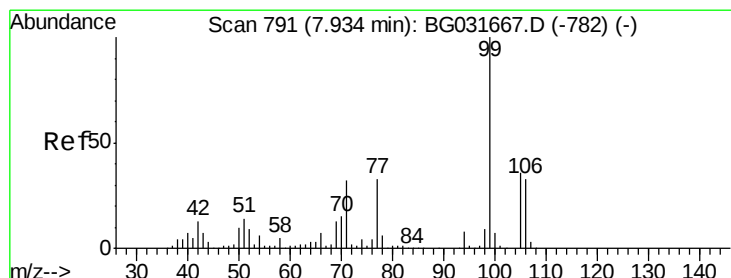
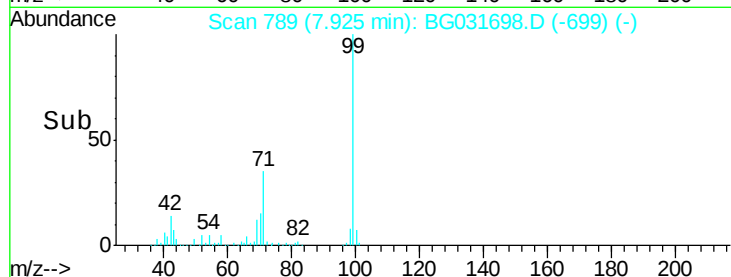
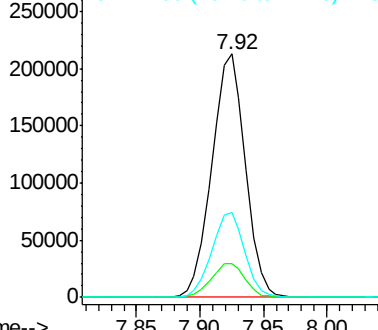
99 100

42 13.6 14.1 21.1#

71 35.1 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: 3.812 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

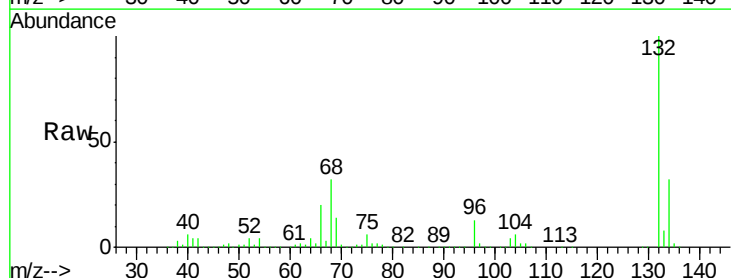
Tgt Ion: 77 Resp: 8688

Ion Ratio Lower Upper

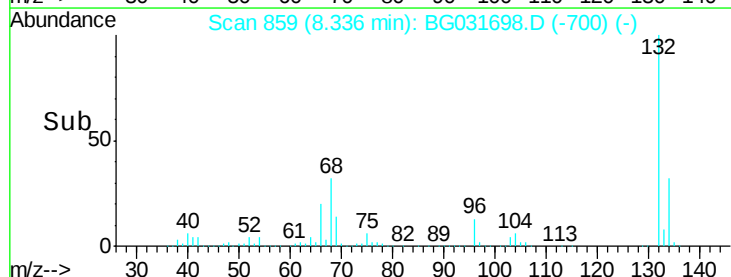
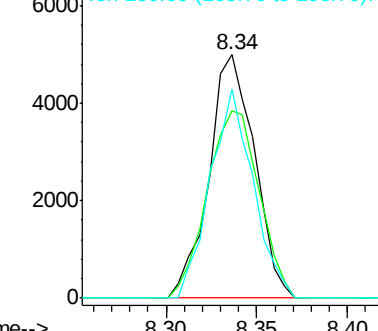
77 100

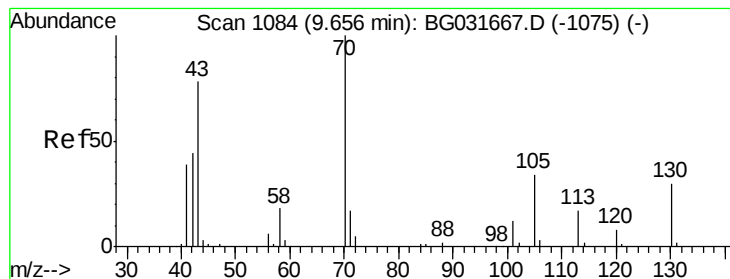
105 76.8 71.3 111.3

106 85.9 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: 12.783 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 33046

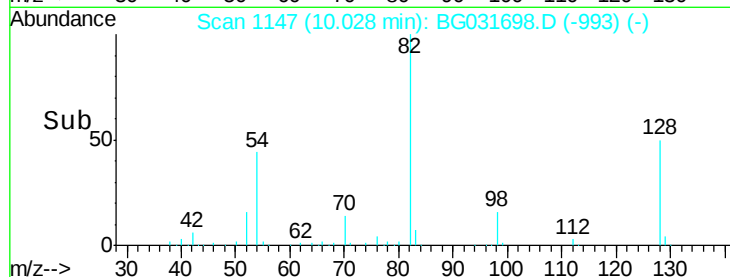
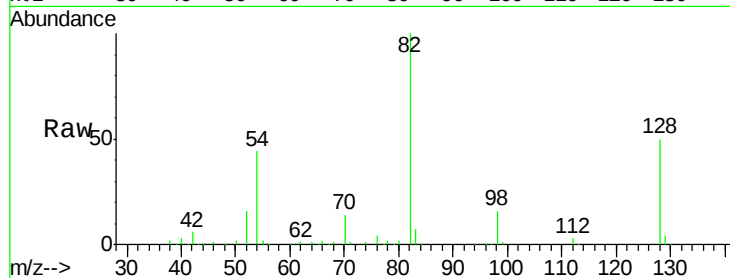
Ion Ratio Lower Upper

70 100

42 42.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#

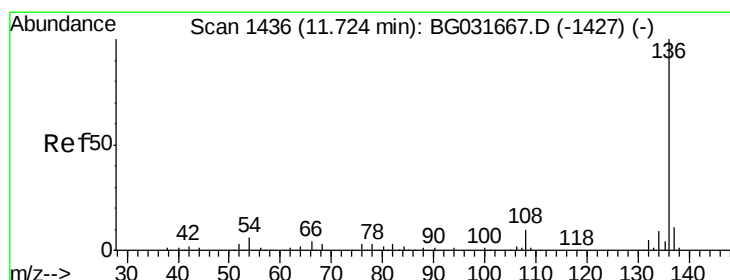
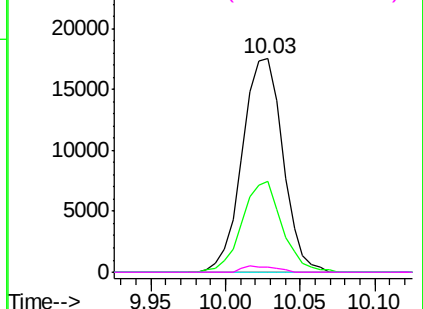


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

Tgt Ion: 136 Resp: 214000

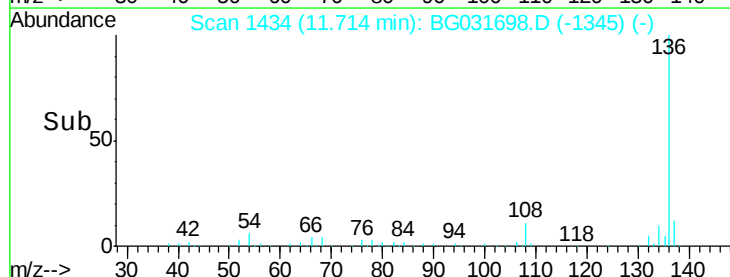
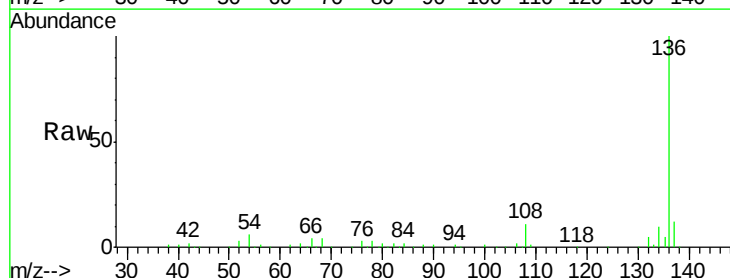
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 5.5 10.3 15.5#

68 4.1 4.5 6.7#

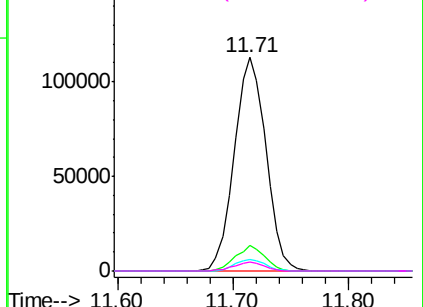


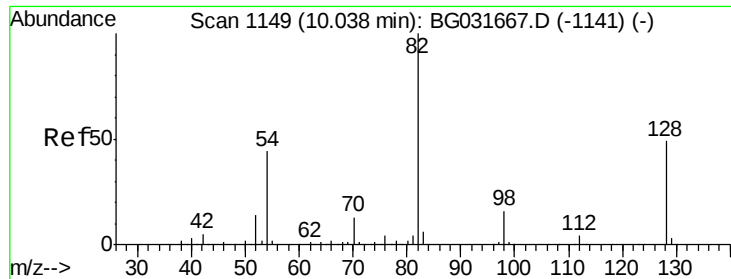
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

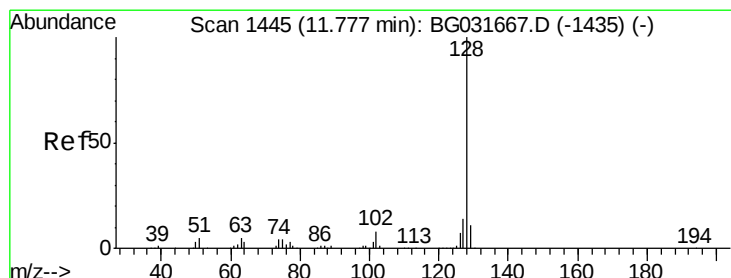
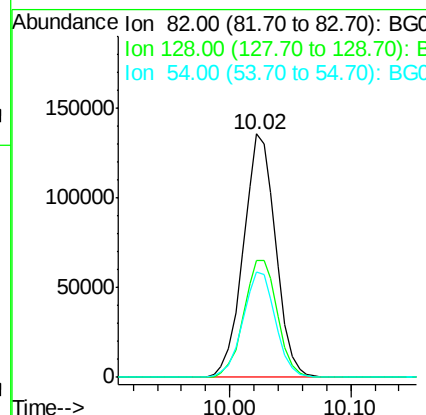
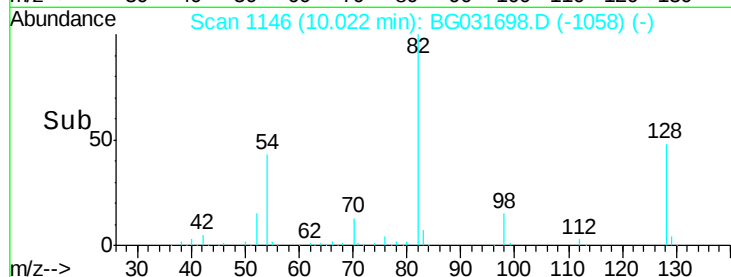
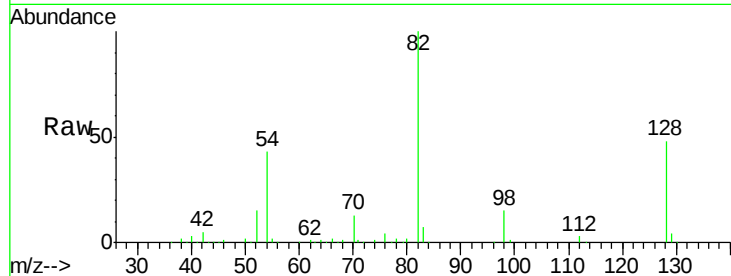




#23
Nitrobenzene-d5
Concen: 88.705 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG031698.D
Acq: 22 Dec 2017 6:46

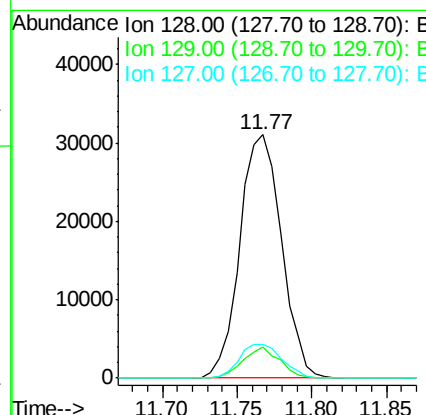
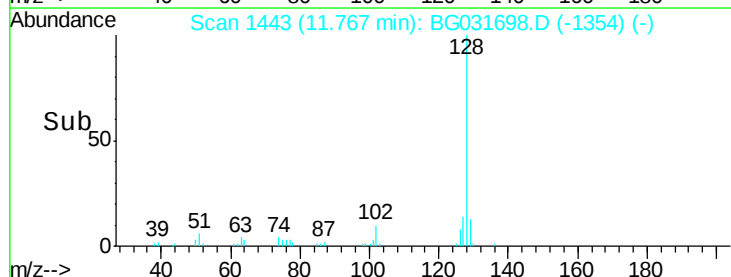
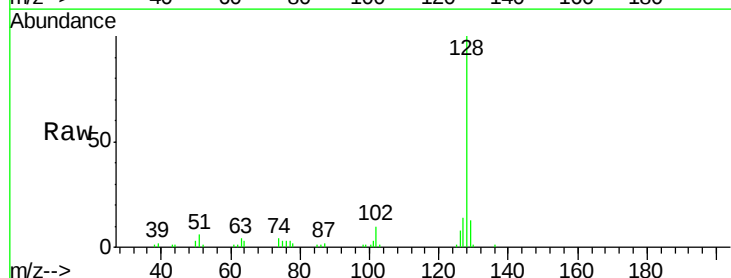
Instrument :
BNA_G
ClientSampleId :

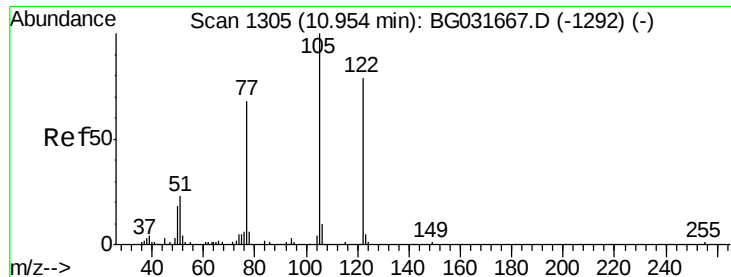
Tot Ion: 82 Resp: 251387
Ion Ratio Lower Upper
82 100
128 47.8 29.7 44.5#
54 43.1 43.1 64.7#



#31
Naphthalene
Concen: 5.561 ng
RT: 11.77 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BG031698.D
Acq: 22 Dec 2017 6:46

Tgt Ion: 128 Resp: 60064
Ion Ratio Lower Upper
128 100
129 12.6 8.6 12.8
127 13.7 11.6 17.4





#32

Benzoic acid

Concen: 6.833 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.09 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

Instrument :

BNA_G

ClientSampled :

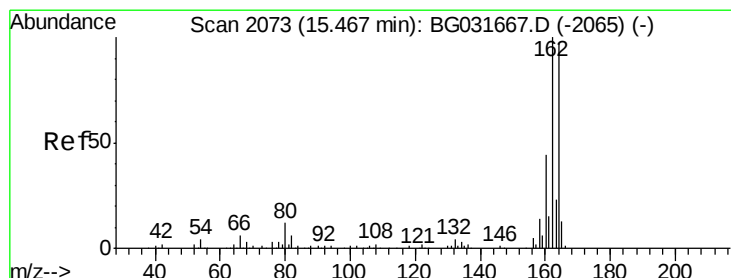
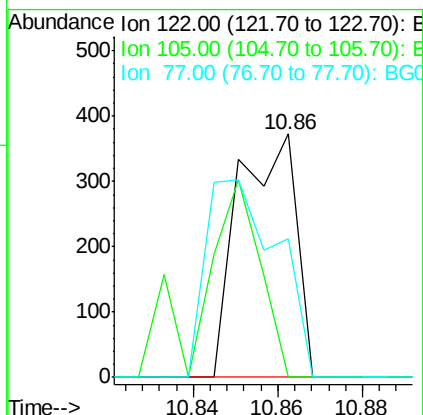
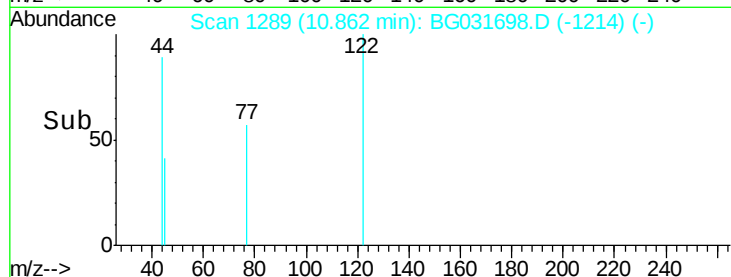
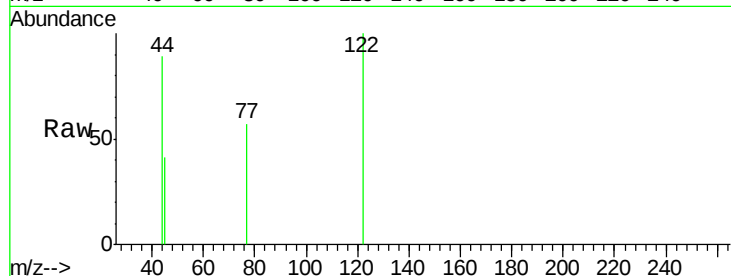
Tot Ion:122 Resp: 353

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 56.8 85.7 125.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

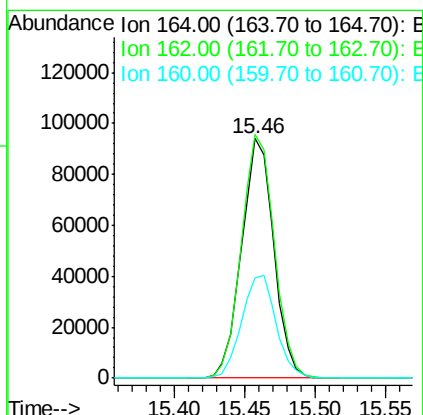
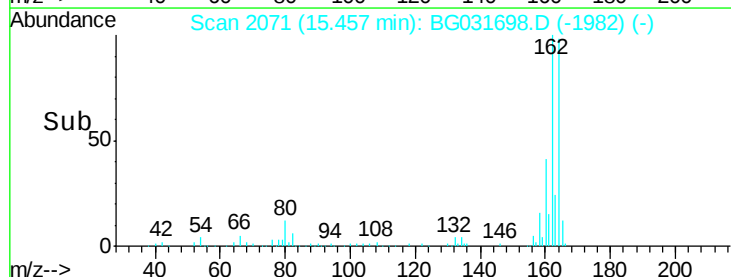
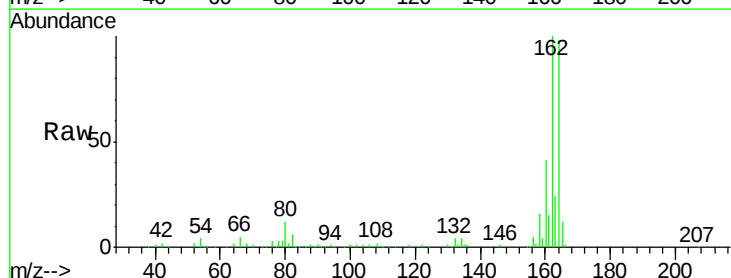
Tgt Ion:164 Resp: 150051

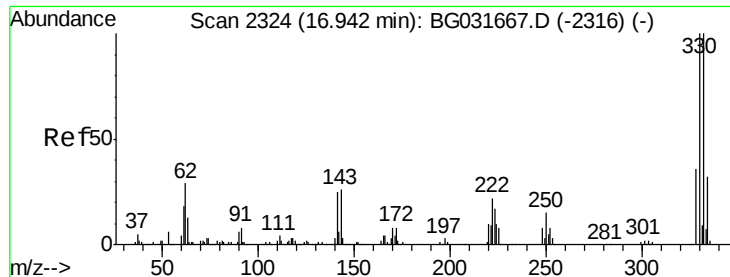
Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

160 41.8 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 146.036 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

Instrument :

BNA_G

ClientSampled :

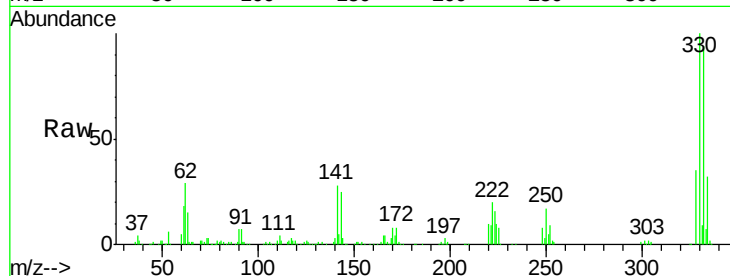
Tot Ion:330 Resp: 334359

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

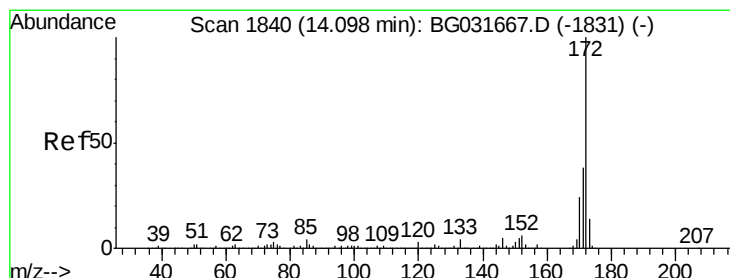
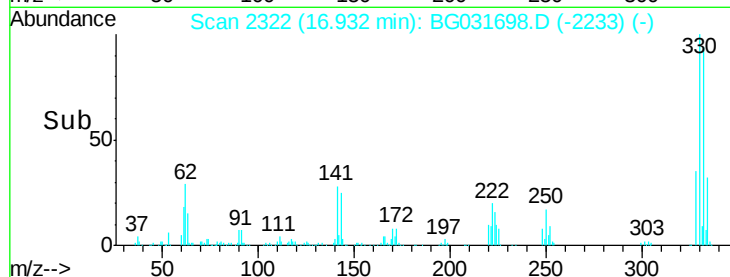
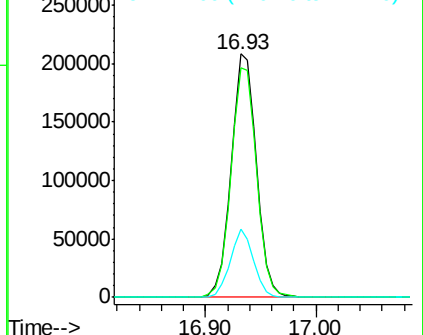
141 26.1 25.2 37.8



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: 77.410 ng

RT: 14.09 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

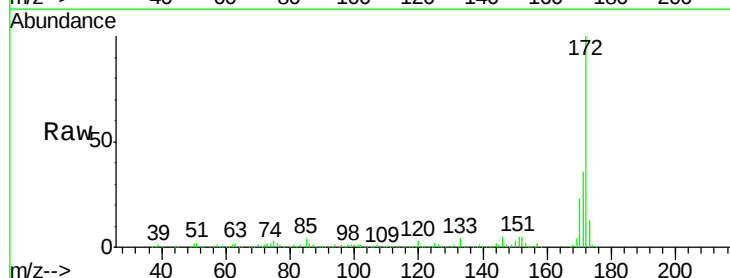
Tgt Ion:172 Resp: 925433

Ion Ratio Lower Upper

172 100

171 36.2 30.0 45.0

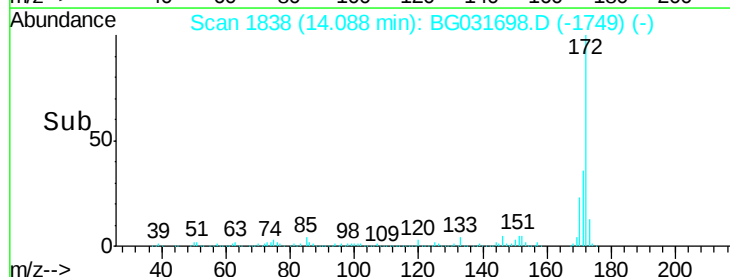
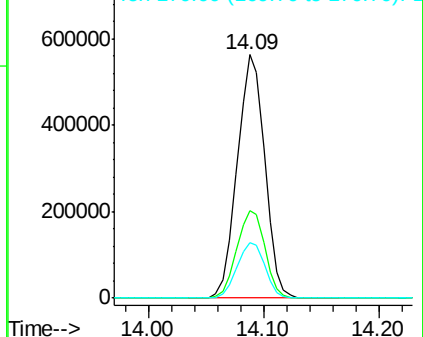
170 23.0 19.5 29.3

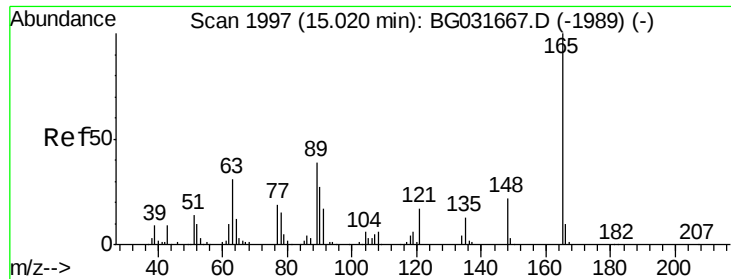


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

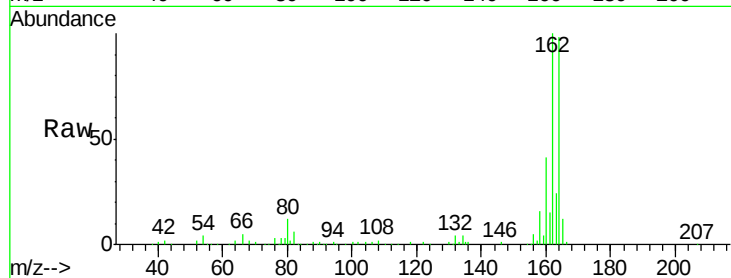




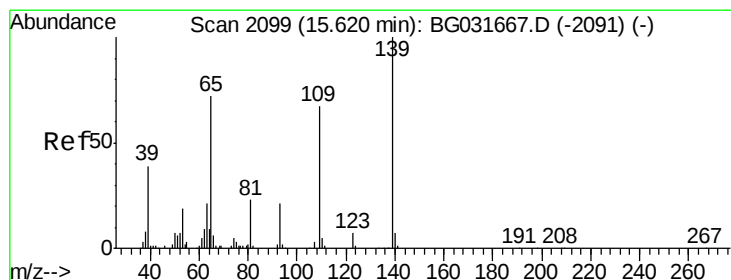
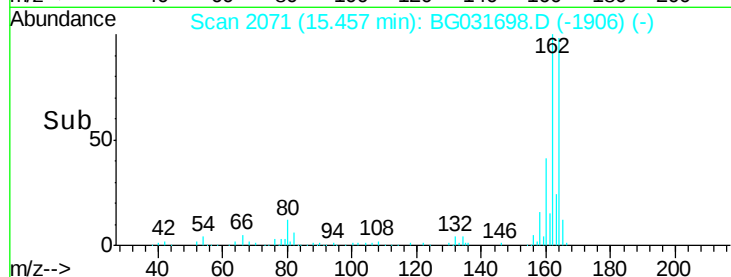
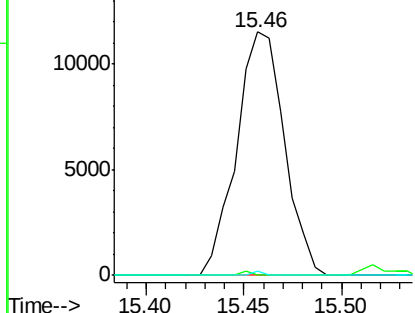
#50
 2,6-Dinitrotoluene
 Concen: 8.028 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031698.D
 Acq: 22 Dec 2017 6:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.9	49.2	73.8#

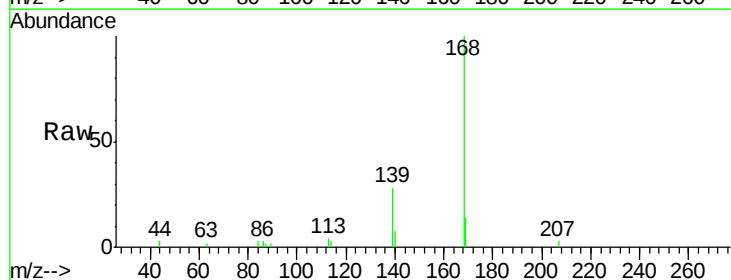


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

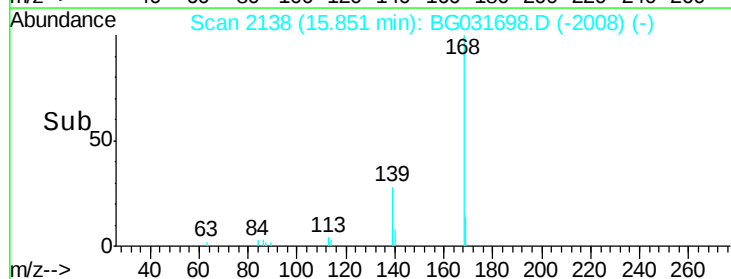
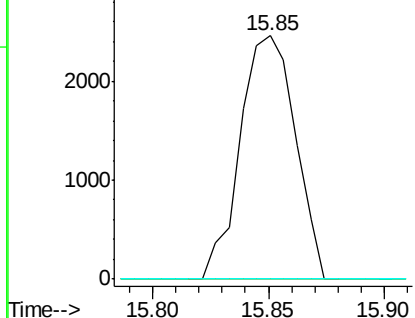


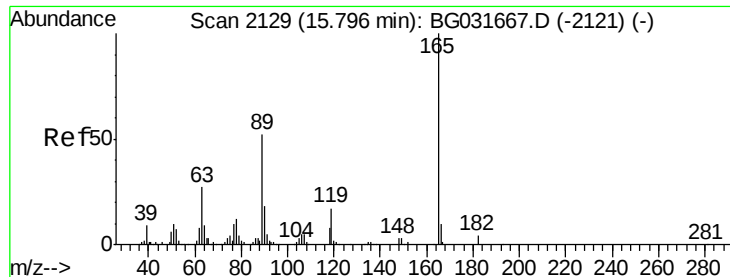
#55
 4-Nitrophenol
 Concen: 2.118 ng
 RT: 15.85 min Scan# 2138
 Delta R.T. 0.23 min
 Lab File: BG031698.D
 Acq: 22 Dec 2017 6:46

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC

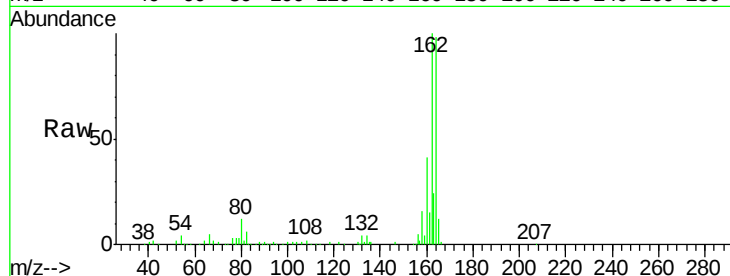




#56
2,4-Dinitrotoluene
Concen: 6.244 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.34 min
Lab File: BG031698.D
Acq: 22 Dec 2017 6:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.9	66.9	100.3#
182	0.0	2.6	3.8#

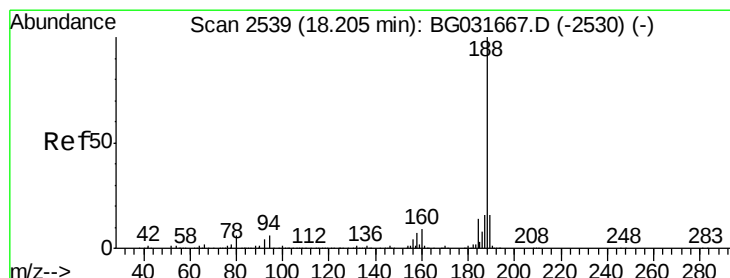
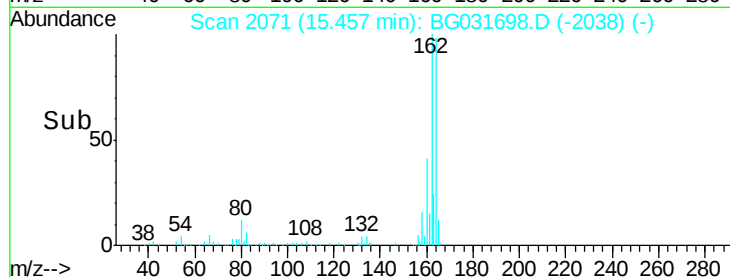
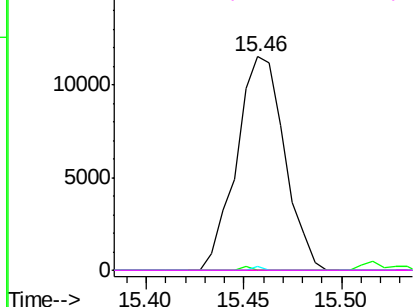


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

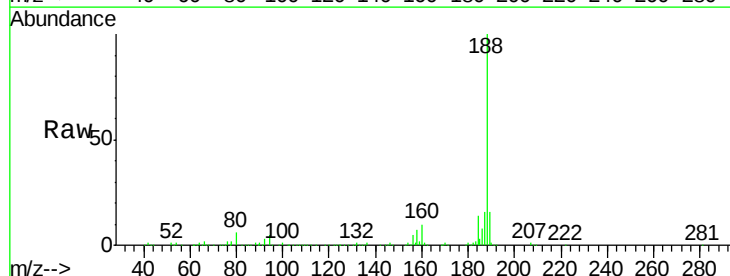
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031698.D
Acq: 22 Dec 2017 6:46

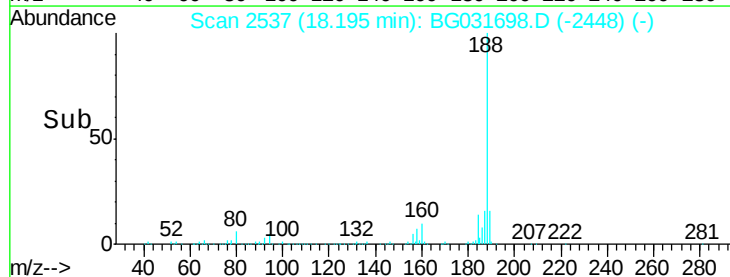
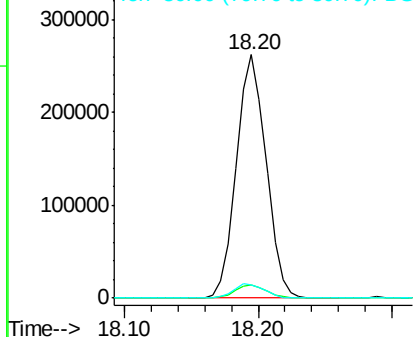
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	6.9	10.3#
80	5.6	7.7	11.5#

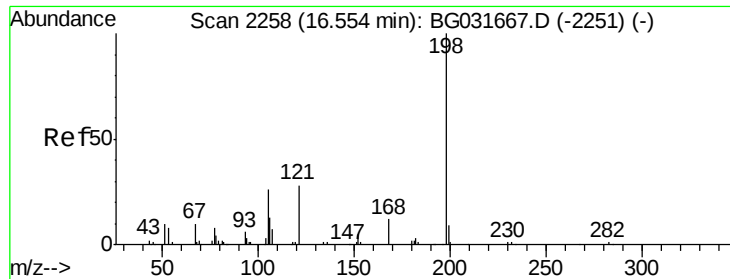


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.599 ng

RT: 16.93 min Scan# 2322

Delta R.T. 0.38 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

Instrument :

BNA_G

ClientSampled :

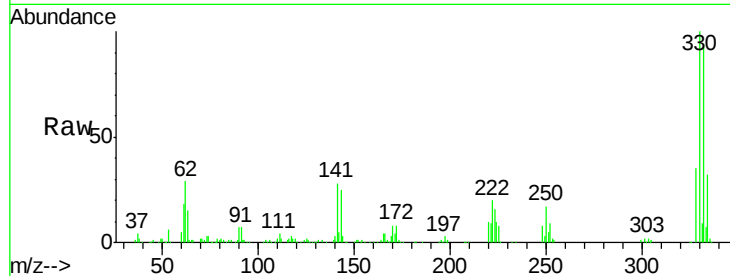
Tot Ion:198 Resp: 697

Ion Ratio Lower Upper

198 100

51 101.4 30.6 70.6#

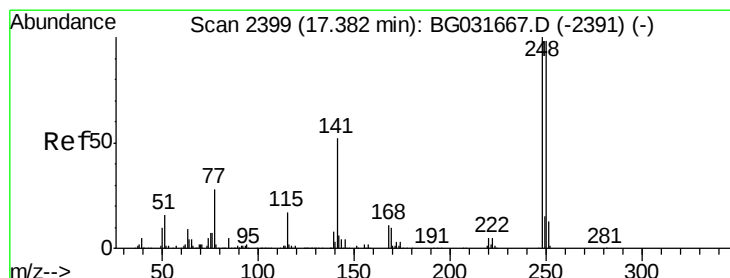
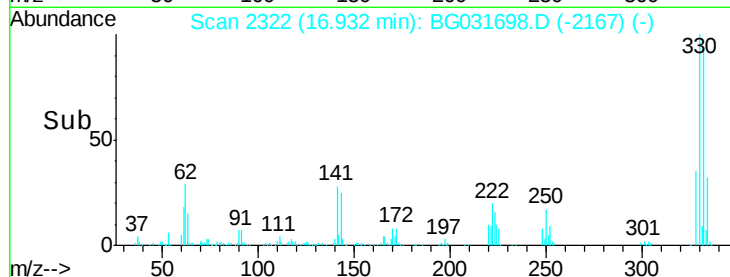
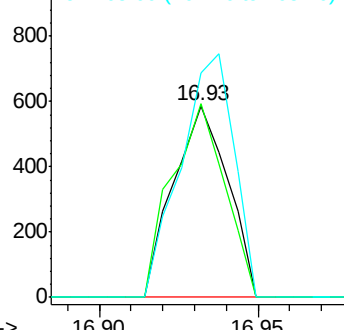
105 117.4 23.8 63.8#



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: 4.446 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.45 min

Lab File: BG031698.D

Acq: 22 Dec 2017 6:46

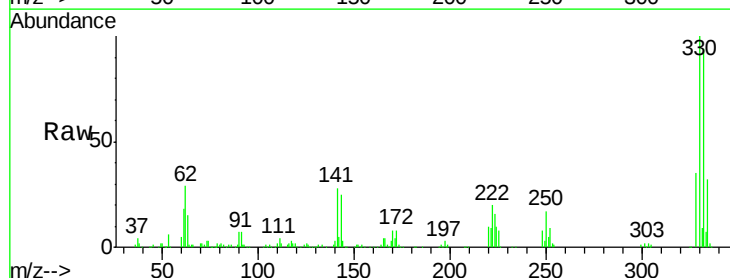
Tgt Ion:248 Resp: 25987

Ion Ratio Lower Upper

248 100

250 199.3 77.1 115.7#

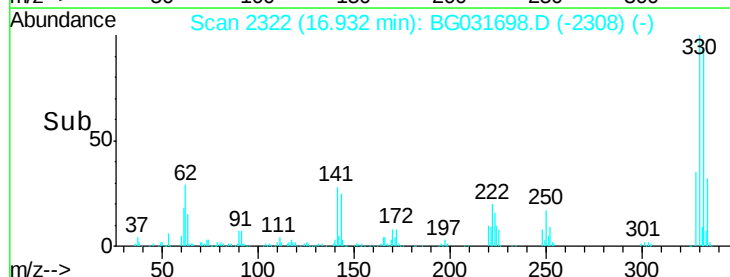
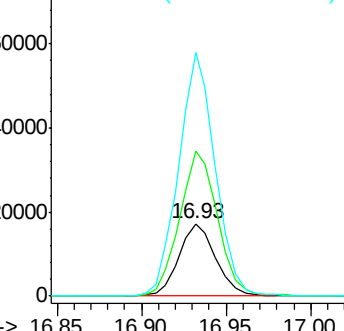
141 335.2 50.8 76.2#

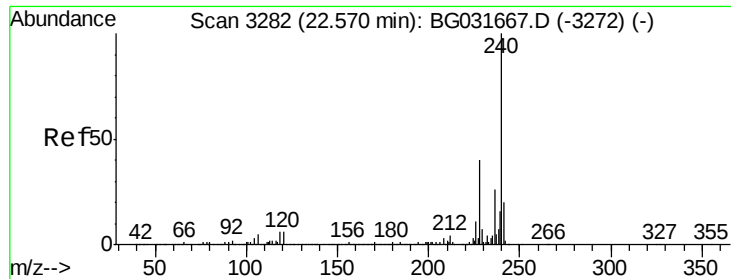


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

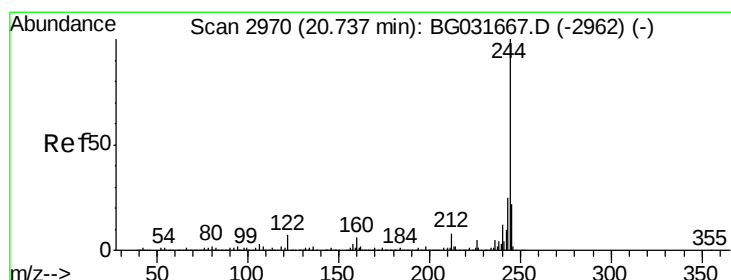
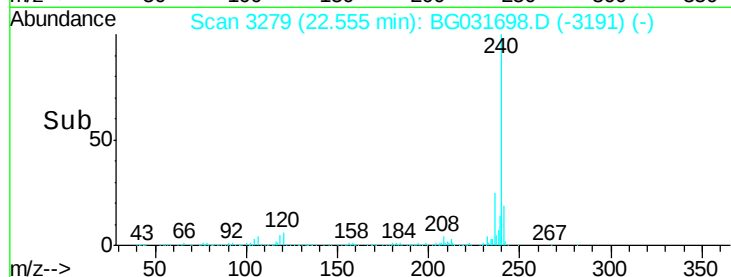
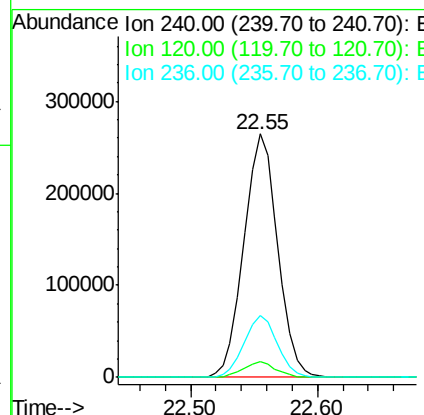
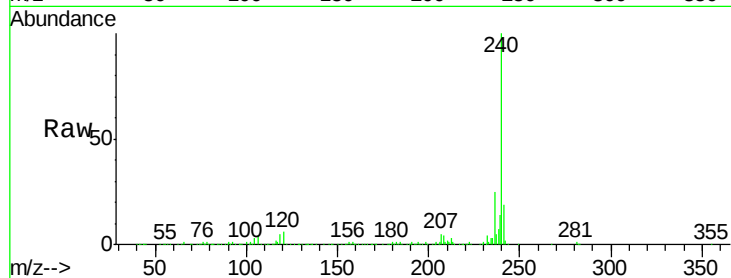




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3279
 Delta R.T. -0.02 min
 Lab File: BG031698.D
 Acq: 22 Dec 2017 6:46

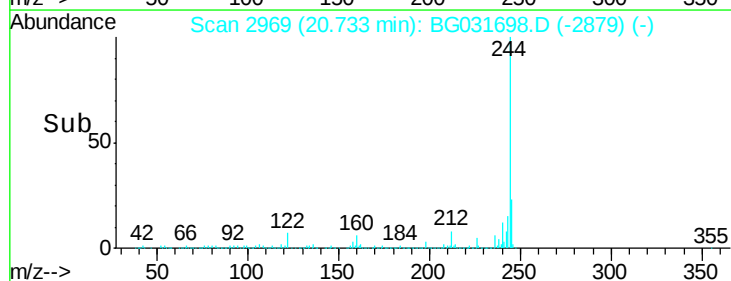
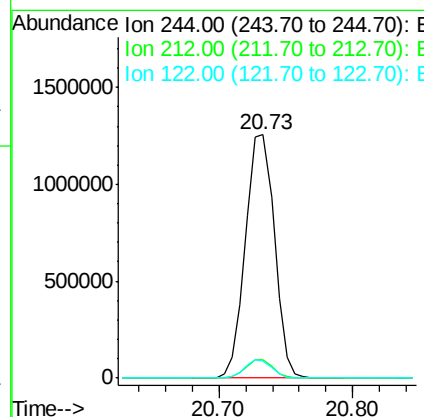
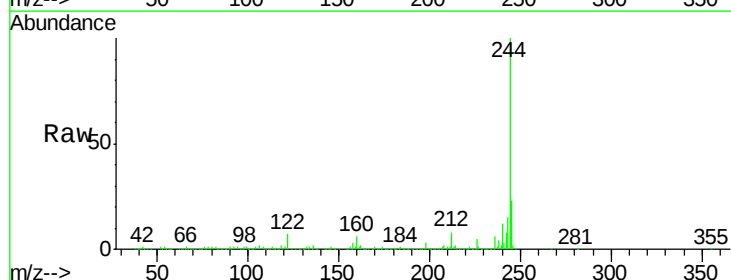
Instrument :
 BNA_G
 ClientSampleId :

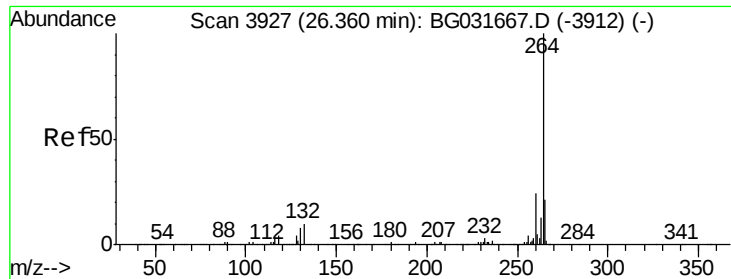
Tot Ion:240 Resp: 487641
 Ion Ratio Lower Upper
 240 100
 120 6.3 6.8 10.2#
 236 25.2 20.9 31.3



#78
 Terphenyl-d14
 Concen: 88.229 ng
 RT: 20.73 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: BG031698.D
 Acq: 22 Dec 2017 6:46

Tgt Ion:244 Resp: 1883175
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 7.0 7.0 10.4

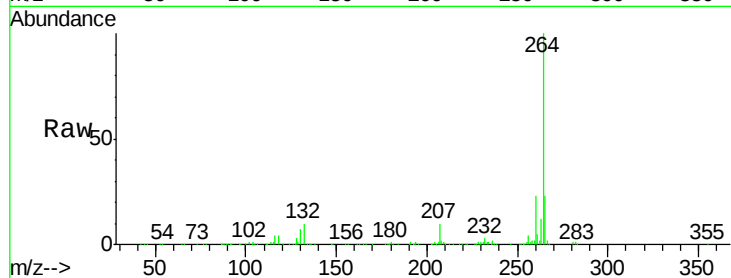




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.34 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BG031698.D
Acq: 22 Dec 2017 6:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	22.7	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

