

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031769.D
 Acq On : 26 Dec 2017 19:46
 Operator : SJ/JU
 Sample : PB105319TB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB105319TB

Quant Time: Dec 27 00:26:18 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

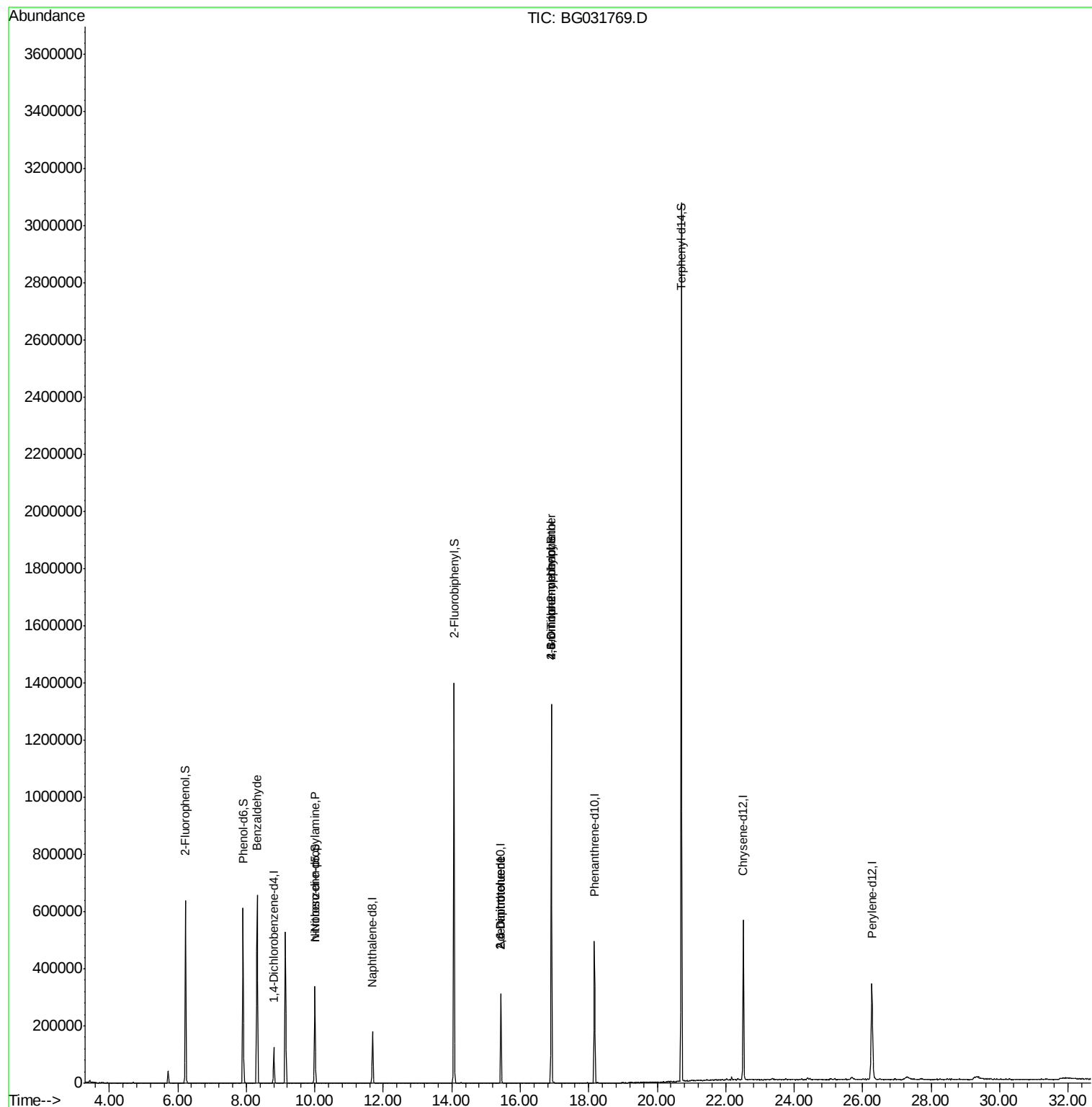
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	42157	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	176071	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	124194	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	340825	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	426770	20.00	ng	-0.06
86) Perylene-d12	26.27	264	455349	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	346197	149.57	ng	-0.02
7) Phenol-d6	7.91	99	431649	143.64	ng	-0.02
23) Nitrobenzene-d5	10.00	82	220286	94.47	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	312377	164.84	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	862451	87.16	ng	-0.03
78) Terphenyl-d14	20.70	244	1744907	93.41	ng	-0.03
Target Compounds						
9) Benzaldehyde	8.31	77	7581	4.19	ng	Qvalue 98
19) n-Nitroso-di-n-propylamine	10.00	70	29157	14.21	ng	# 73
50) 2,6-Dinitrotoluene	15.43	165	15993	7.95	ng	# 18
56) 2,4-Dinitrotoluene	15.43	165	15993	6.18	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.90	198	734	8.67	ng	# 66
66) 4-Bromophenyl-phenylether	16.91	248	24774	5.03	ng	# 1

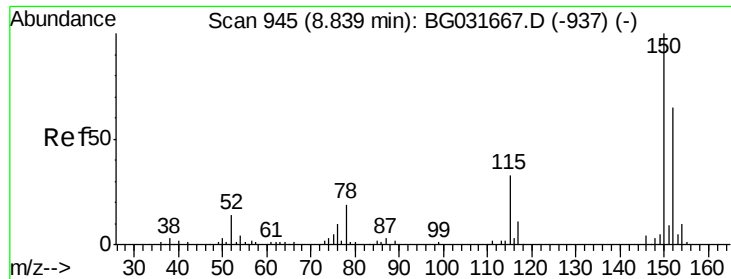
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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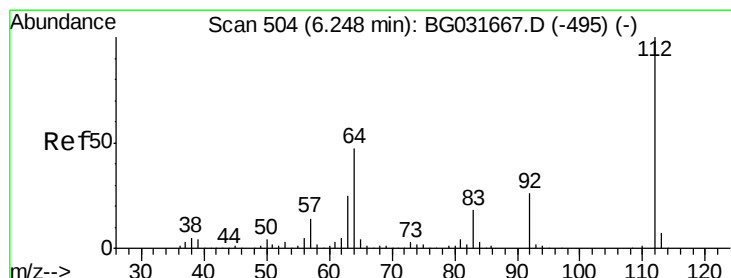
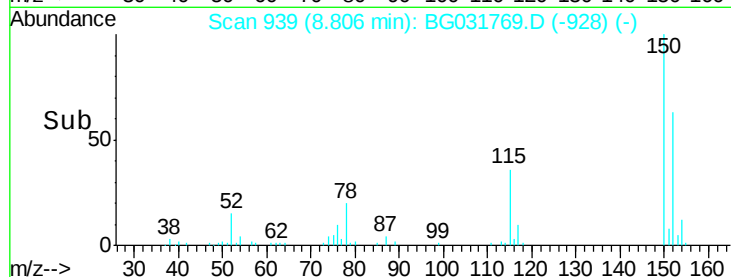
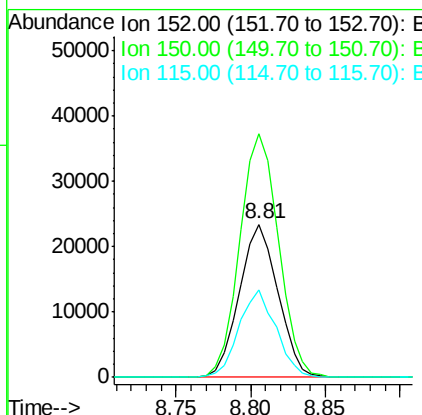
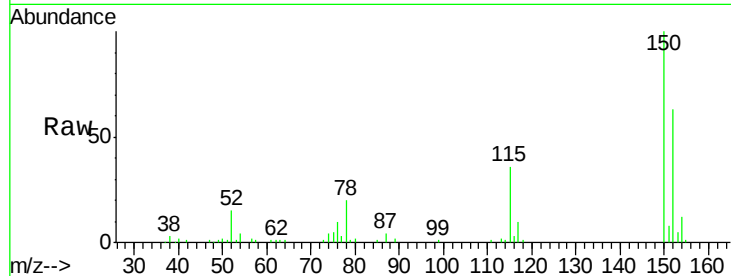


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.81 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031769.D
Acq: 26 Dec 2017 19:46

Instrument :
BNA_G
ClientSampleId :
PB105319TB

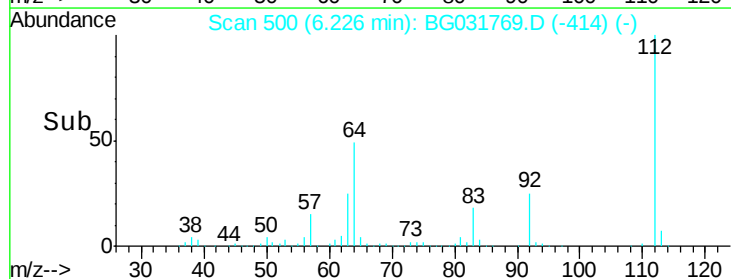
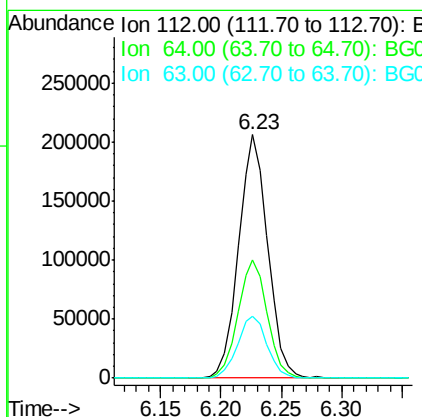
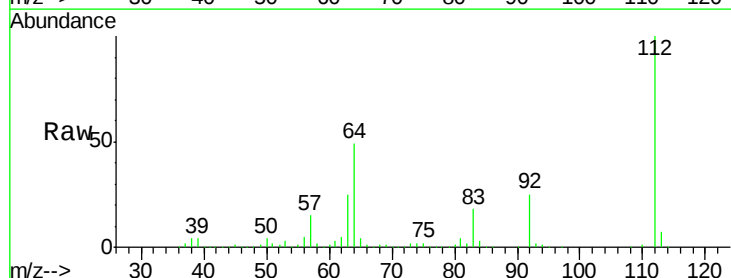
Tot Ion:152 Resp: 42157
Ion Ratio Lower Upper
152 100
150 159.4 126.6 189.8
115 57.2 53.0 79.4

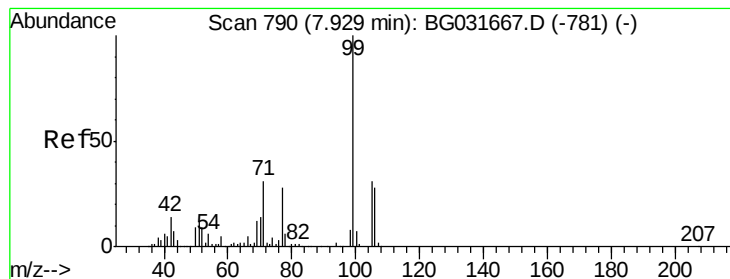


#5

2-Fluorophenol
Concen: 149.57 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031769.D
Acq: 26 Dec 2017 19:46

Tgt Ion:112 Resp: 346197
Ion Ratio Lower Upper
112 100
64 48.8 56.3 84.5#
63 25.3 30.1 45.1#





#7

Phenol-d6

Concen: 143.64 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

Instrument :

BNA_G

ClientSampleId :

PB105319TB

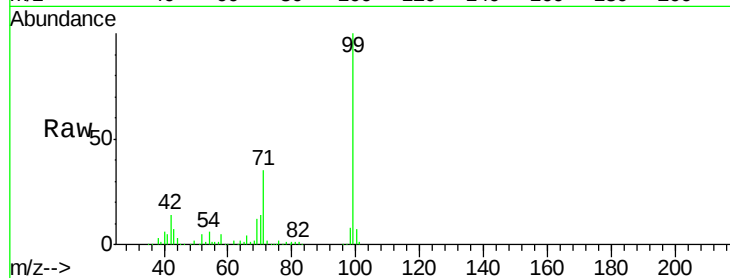
Tot Ion: 99 Resp: 431649

Ion Ratio Lower Upper

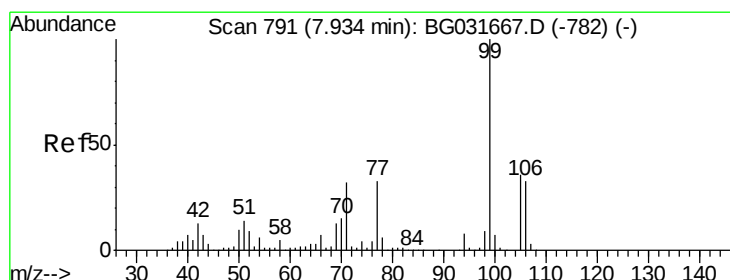
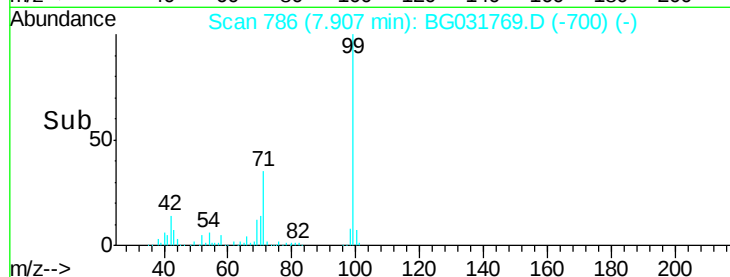
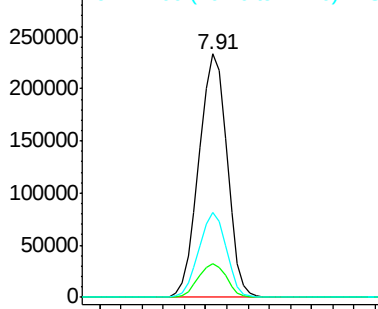
99 100

42 13.9 14.1 21.1#

71 35.0 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: 4.19 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

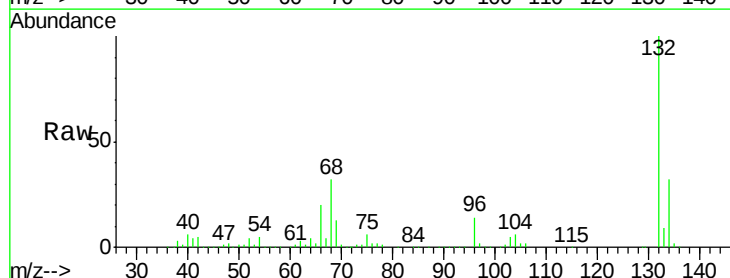
Tgt Ion: 77 Resp: 7581

Ion Ratio Lower Upper

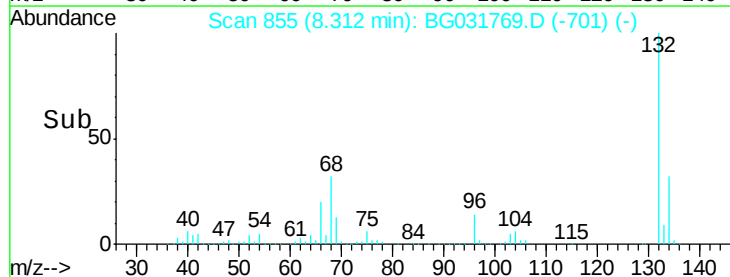
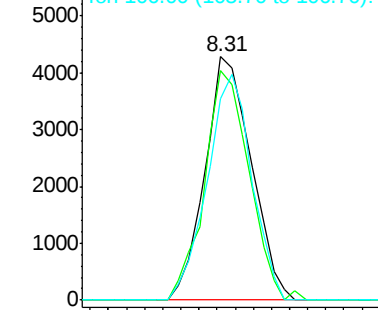
77 100

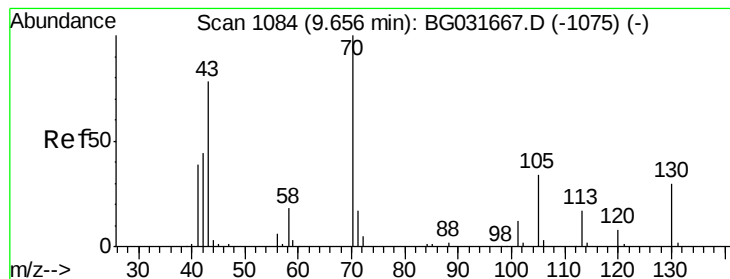
105 94.5 71.3 111.3

106 82.9 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: 14.21 ng

RT: 10.00 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

Instrument :

BNA_G

ClientSampleId :

PB105319TB

Tot Ion: 70 Resp: 29157

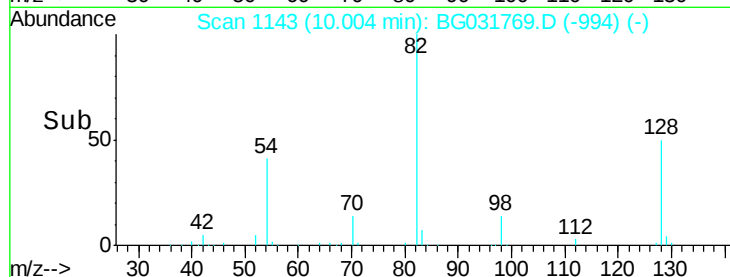
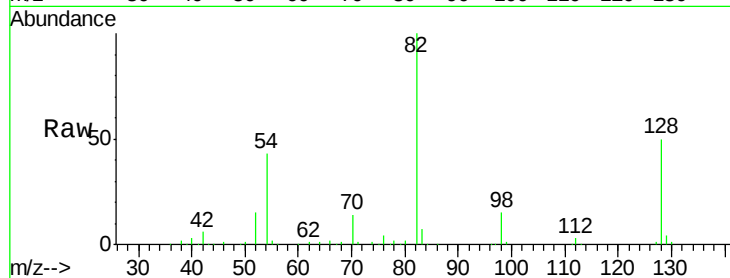
Ion Ratio Lower Upper

70 100

42 40.9 49.1 73.7#

101 0.0 8.5 12.7#

130 4.0 13.4 20.0#



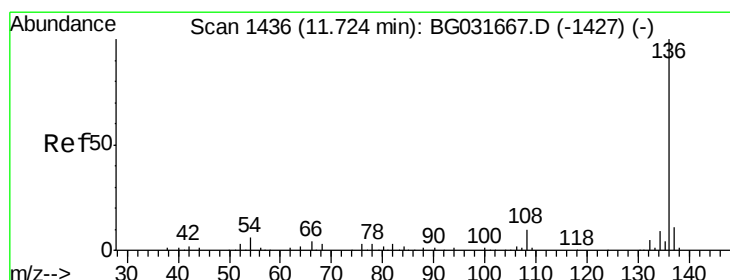
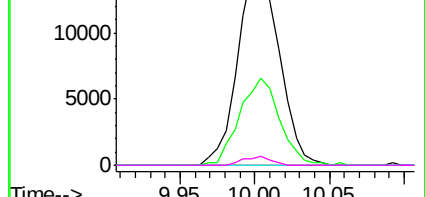
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.00 ng

RT: 11.69 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

Tgt Ion: 136 Resp: 176071

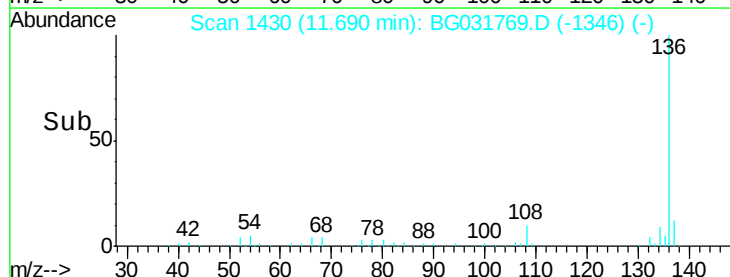
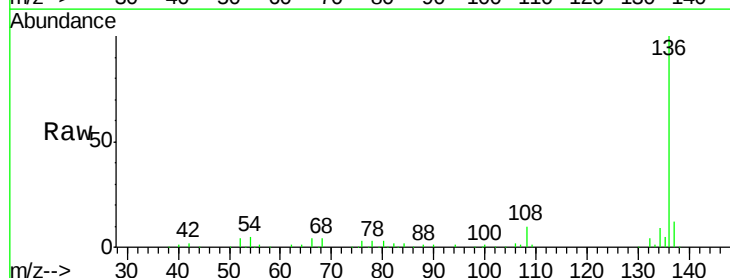
Ion Ratio Lower Upper

136 100

137 12.5 9.2 13.8

54 5.1 10.3 15.5#

68 4.5 4.5 6.7



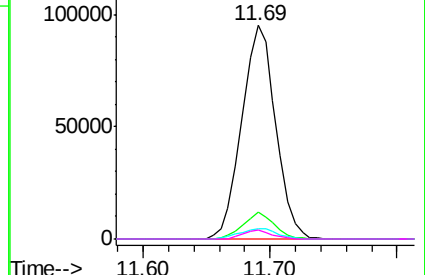
Abundance Ion 136.00 (135.70 to 136.70): BGC

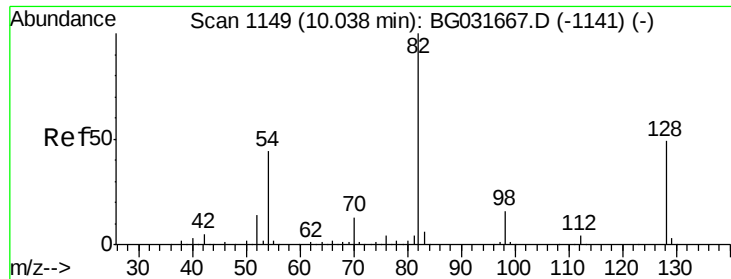
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time-->





#23

Nitrobenzene-d5

Concen: 94.47 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

Instrument :

BNA_G

ClientSampleId :

PB105319TB

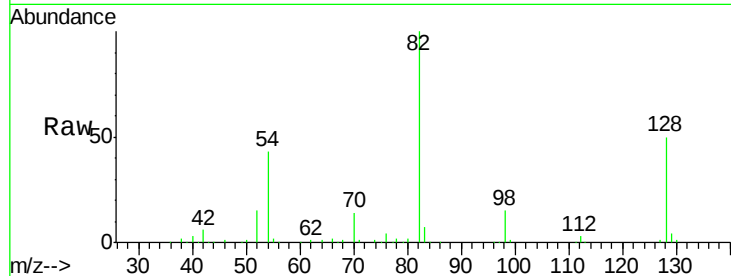
Tot Ion: 82 Resp: 220286

Ion Ratio Lower Upper

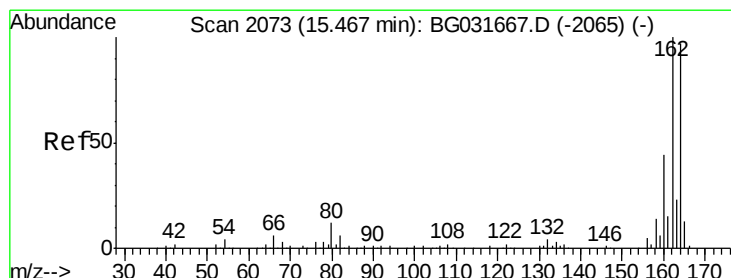
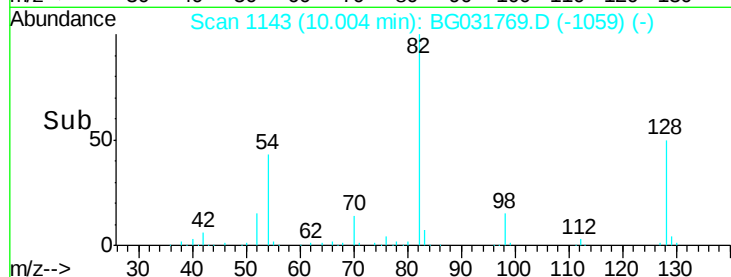
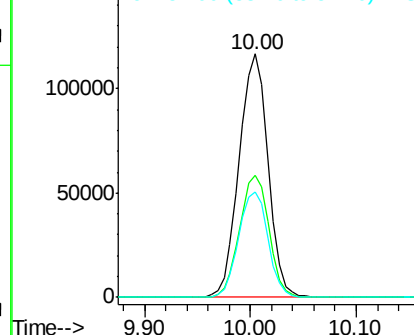
82 100

128 50.3 29.7 44.5#

54 43.4 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: 20.00 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

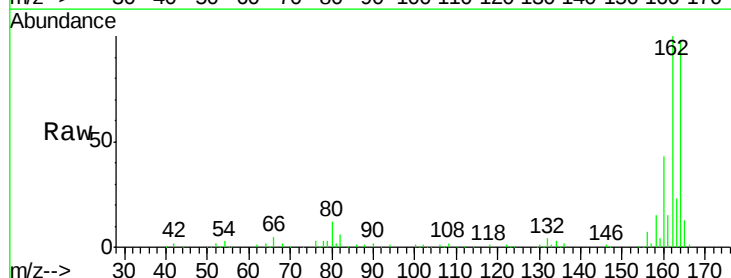
Tgt Ion:164 Resp: 124194

Ion Ratio Lower Upper

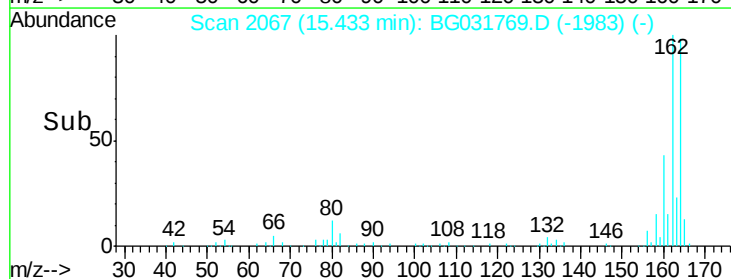
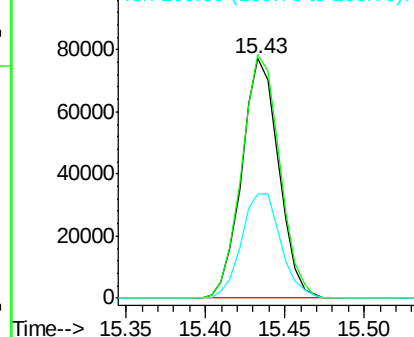
164 100

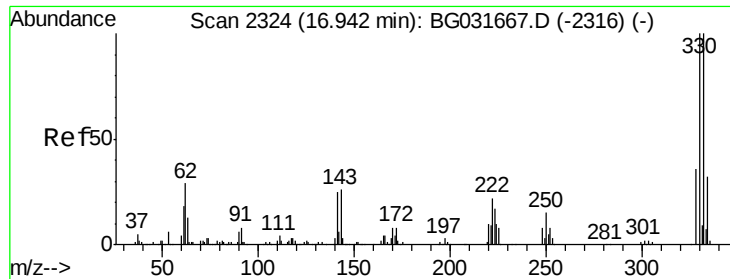
162 101.7 78.8 118.2

160 43.7 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: 164.84 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

Instrument :

BNA_G

ClientSampleId :

PB105319TB

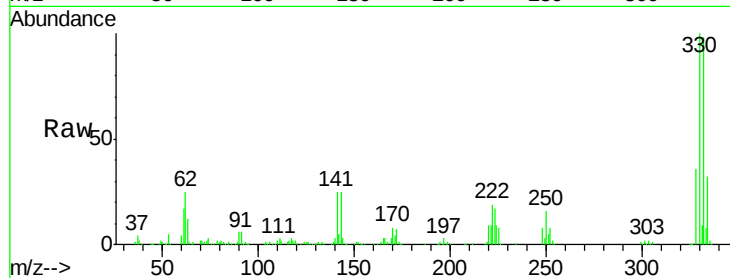
Tot Ion:330 Resp: 312377

Ion Ratio Lower Upper

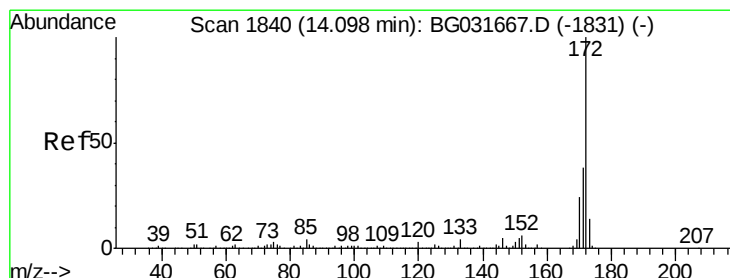
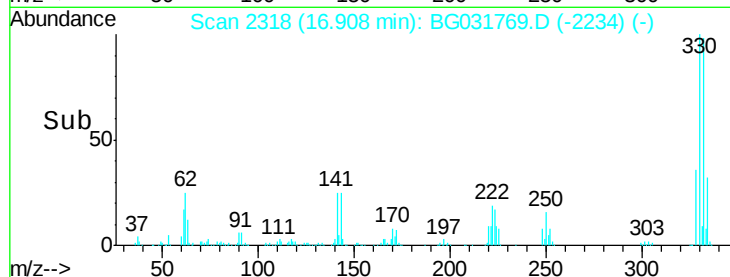
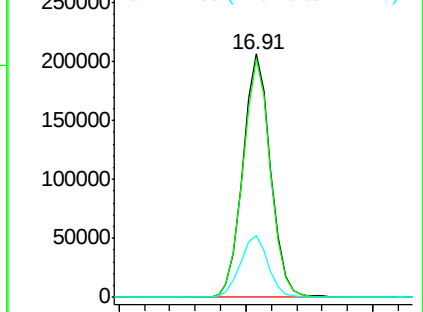
330 100

332 97.5 77.0 115.6

141 25.3 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: 87.16 ng

RT: 14.06 min Scan# 1834

Delta R.T. -0.03 min

Lab File: BG031769.D

Acq: 26 Dec 2017 19:46

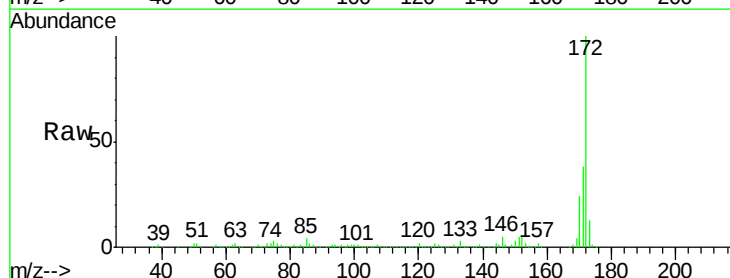
Tgt Ion:172 Resp: 862451

Ion Ratio Lower Upper

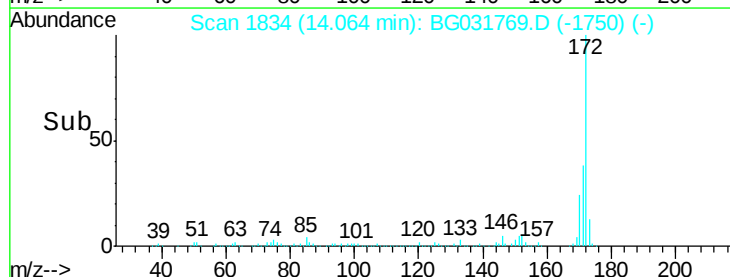
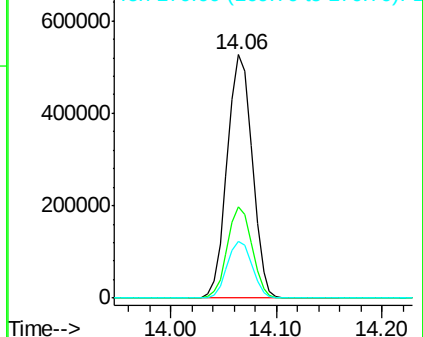
172 100

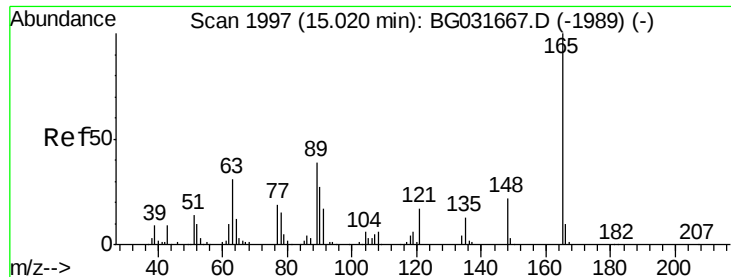
171 37.8 30.0 45.0

170 23.5 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

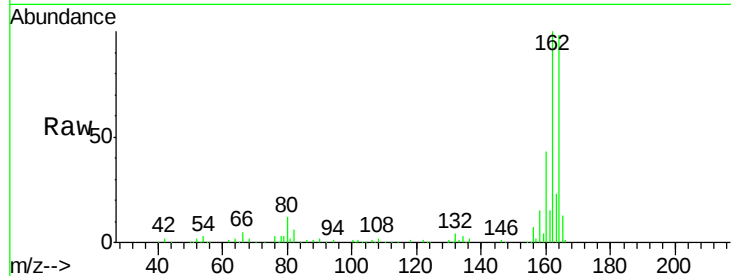




#50
 2,6-Dinitrotoluene
 Concen: 7.95 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.41 min
 Lab File: BG031769.D
 Acq: 26 Dec 2017 19:46

Instrument :
 BNA_G
 ClientSampled :
 PB105319TB

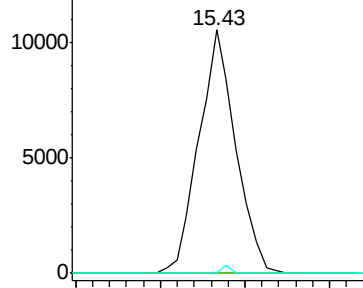
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



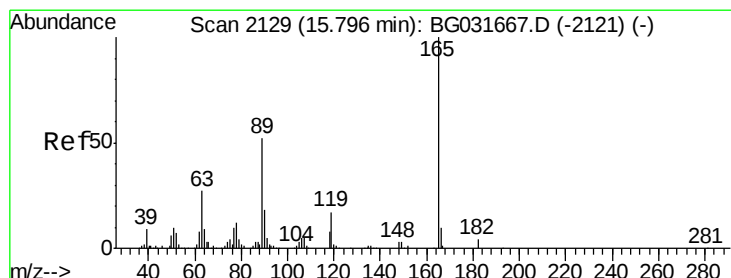
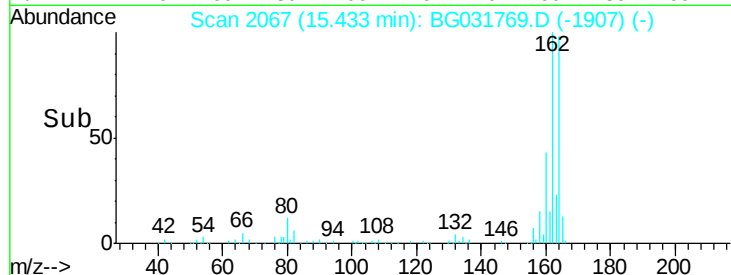
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

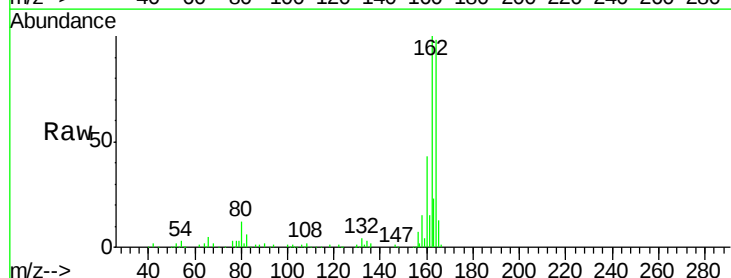


Time--> 15.35 15.40 15.45 15.50



#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031769.D
 Acq: 26 Dec 2017 19:46

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

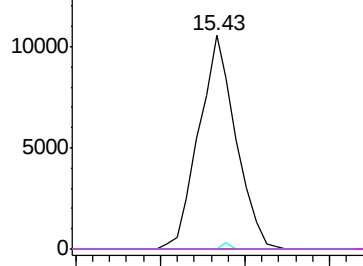


Abundance Ion 165.00 (164.70 to 165.70): E

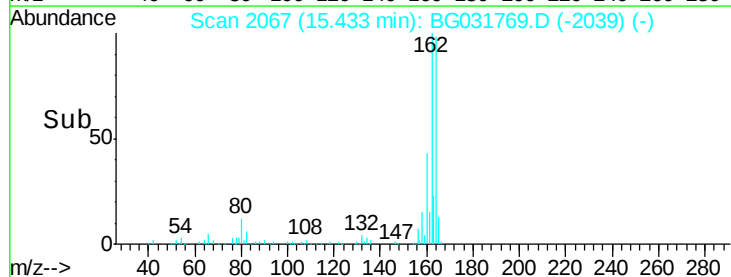
Ion 63.00 (62.70 to 63.70): BGC

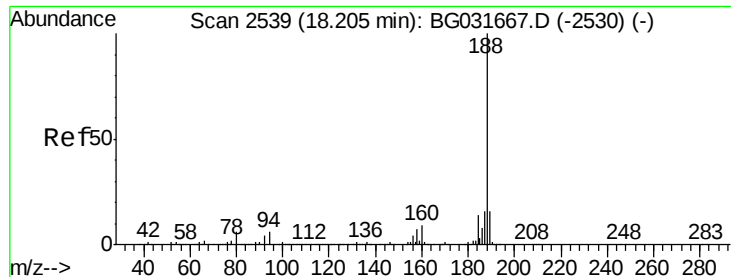
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 15.35 15.40 15.45 15.50

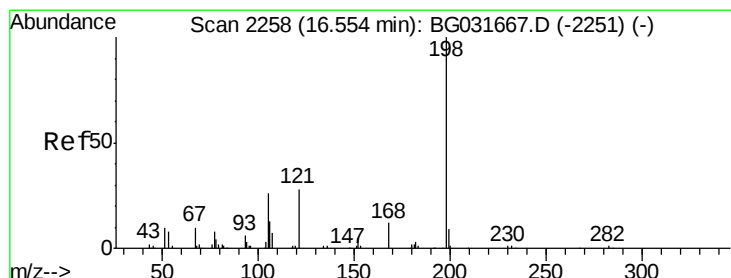
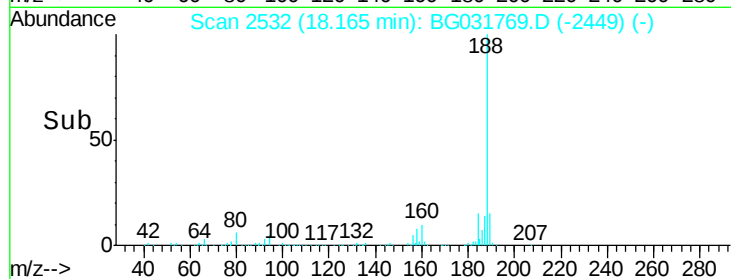
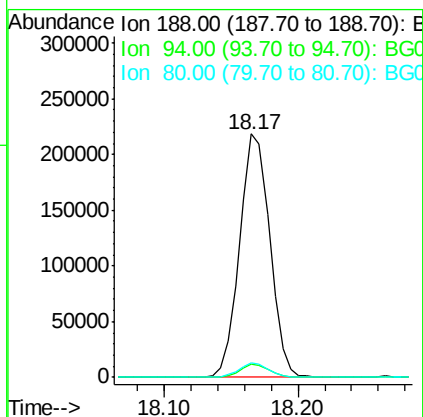
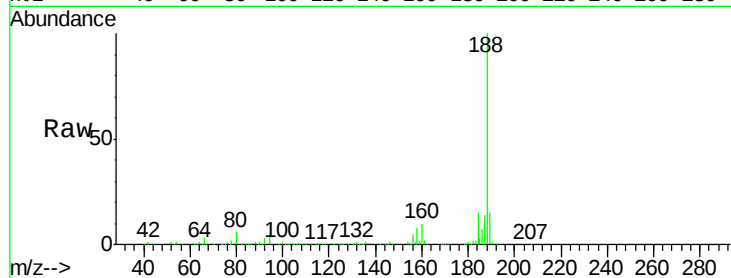




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.17 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031769.D
Acq: 26 Dec 2017 19:46

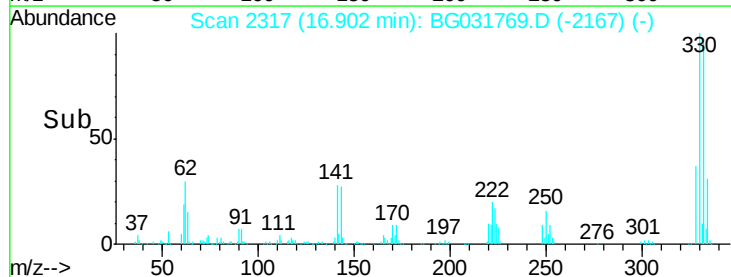
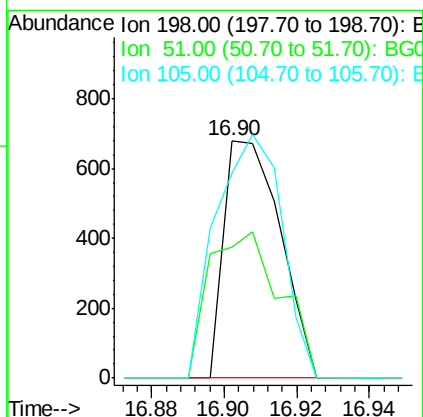
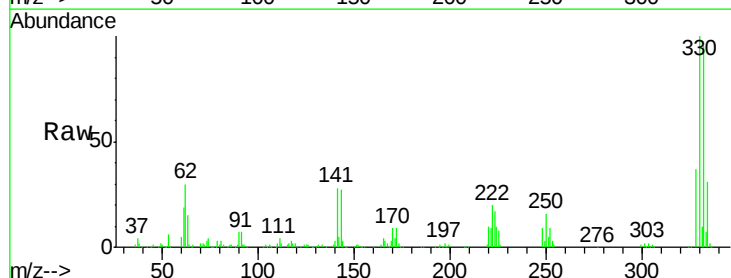
Instrument :
BNA_G
ClientSampleId :
PB105319TB

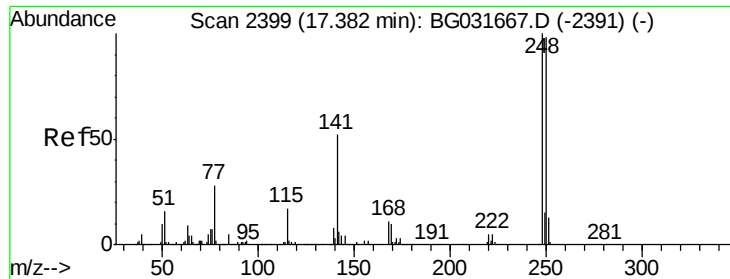
Tot Ion:188 Resp: 340825
Ion Ratio Lower Upper
188 100
94 5.3 6.9 10.3#
80 5.8 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.67 ng
RT: 16.90 min Scan# 2317
Delta R.T. 0.35 min
Lab File: BG031769.D
Acq: 26 Dec 2017 19:46

Tgt Ion:198 Resp: 734
Ion Ratio Lower Upper
198 100
51 55.1 30.6 70.6
105 86.2 23.8 63.8#

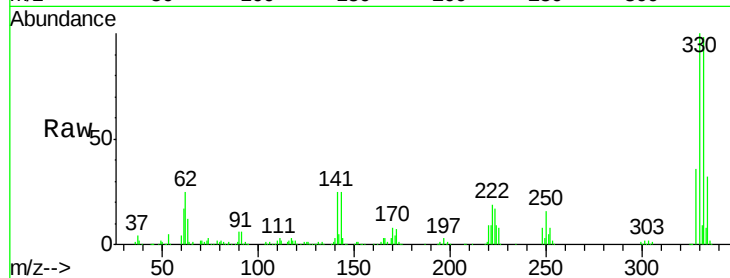




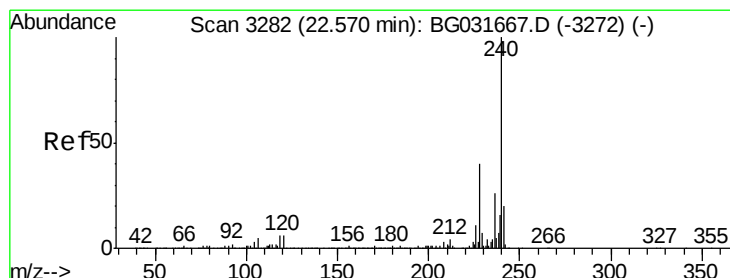
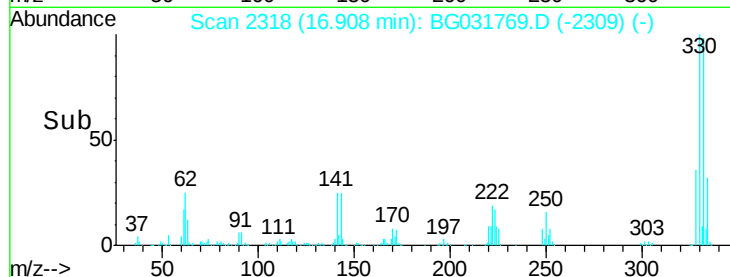
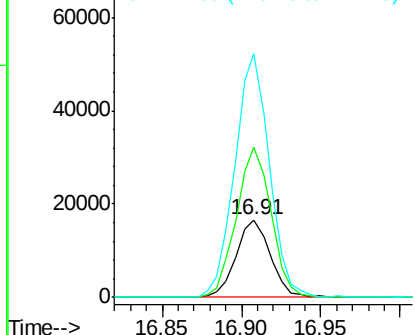
#66
4-Bromophenyl-phenylether
Concen: 5.03 ng
RT: 16.91 min Scan# 2318
Delta R.T. -0.47 min
Lab File: BG031769.D
Acq: 26 Dec 2017 19:46

Instrument :
BNA_G
ClientSampleId :
PB105319TB

Tot Ion:248 Resp: 24774
Ion Ratio Lower Upper
248 100
250 194.4 77.1 115.7#
141 314.0 50.8 76.2#

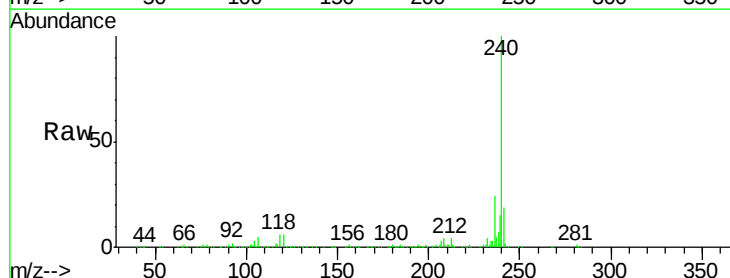


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

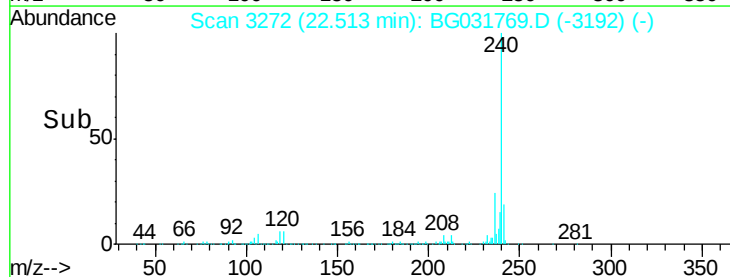
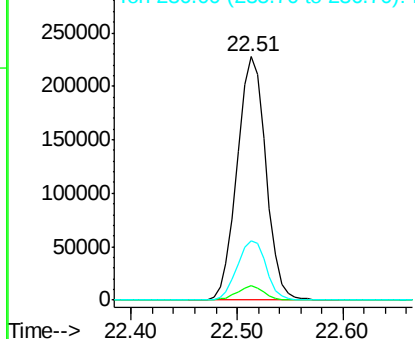


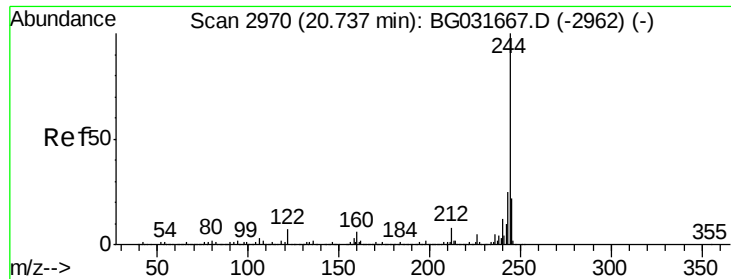
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.51 min Scan# 3272
Delta R.T. -0.06 min
Lab File: BG031769.D
Acq: 26 Dec 2017 19:46

Tgt Ion:240 Resp: 426770
Ion Ratio Lower Upper
240 100
120 5.8 6.8 10.2#
236 24.4 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

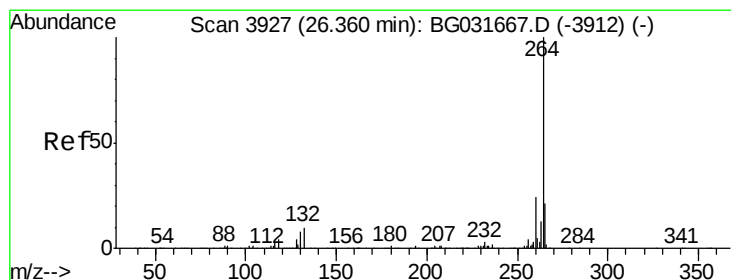
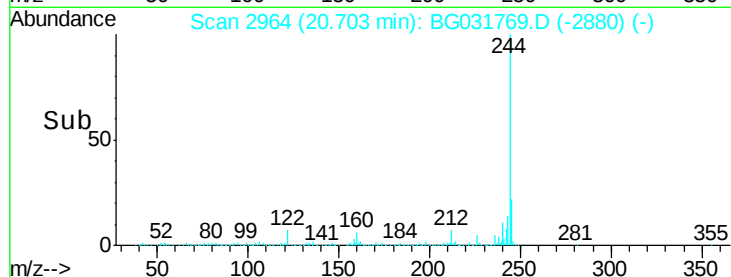
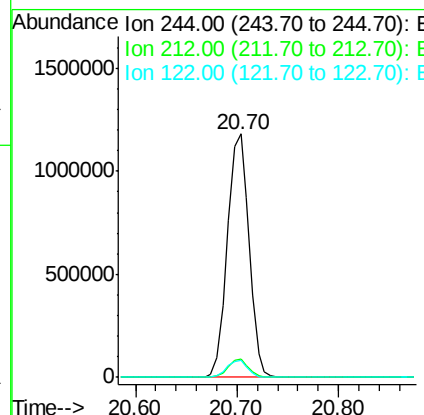
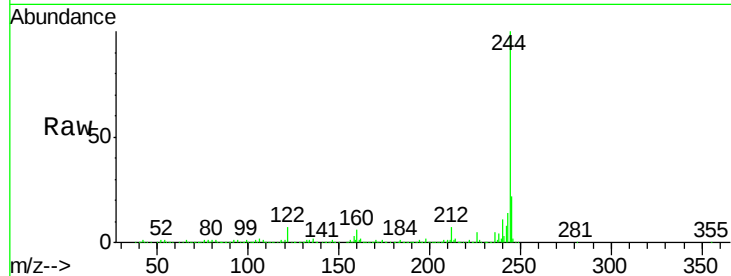




#78
 Terphenyl-d14
 Concen: 93.41 ng
 RT: 20.70 min Scan# 2964
 Delta R.T. -0.03 min
 Lab File: BG031769.D
 Acq: 26 Dec 2017 19:46

Instrument :
 BNA_G
 ClientSampleId :
 PB105319TB

Tot Ion:244 Resp: 1744907
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 6.9 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 26.27 min Scan# 3911
 Delta R.T. -0.09 min
 Lab File: BG031769.D
 Acq: 26 Dec 2017 19:46

Tgt Ion:264 Resp: 455349
 Ion Ratio Lower Upper
 264 100
 260 22.5 17.4 26.0
 265 21.4 17.7 26.5

