

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031806.D
 Acq On : 27 Dec 2017 21:07
 Operator : SJ/JU
 Sample : I7058-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 07:20:38 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

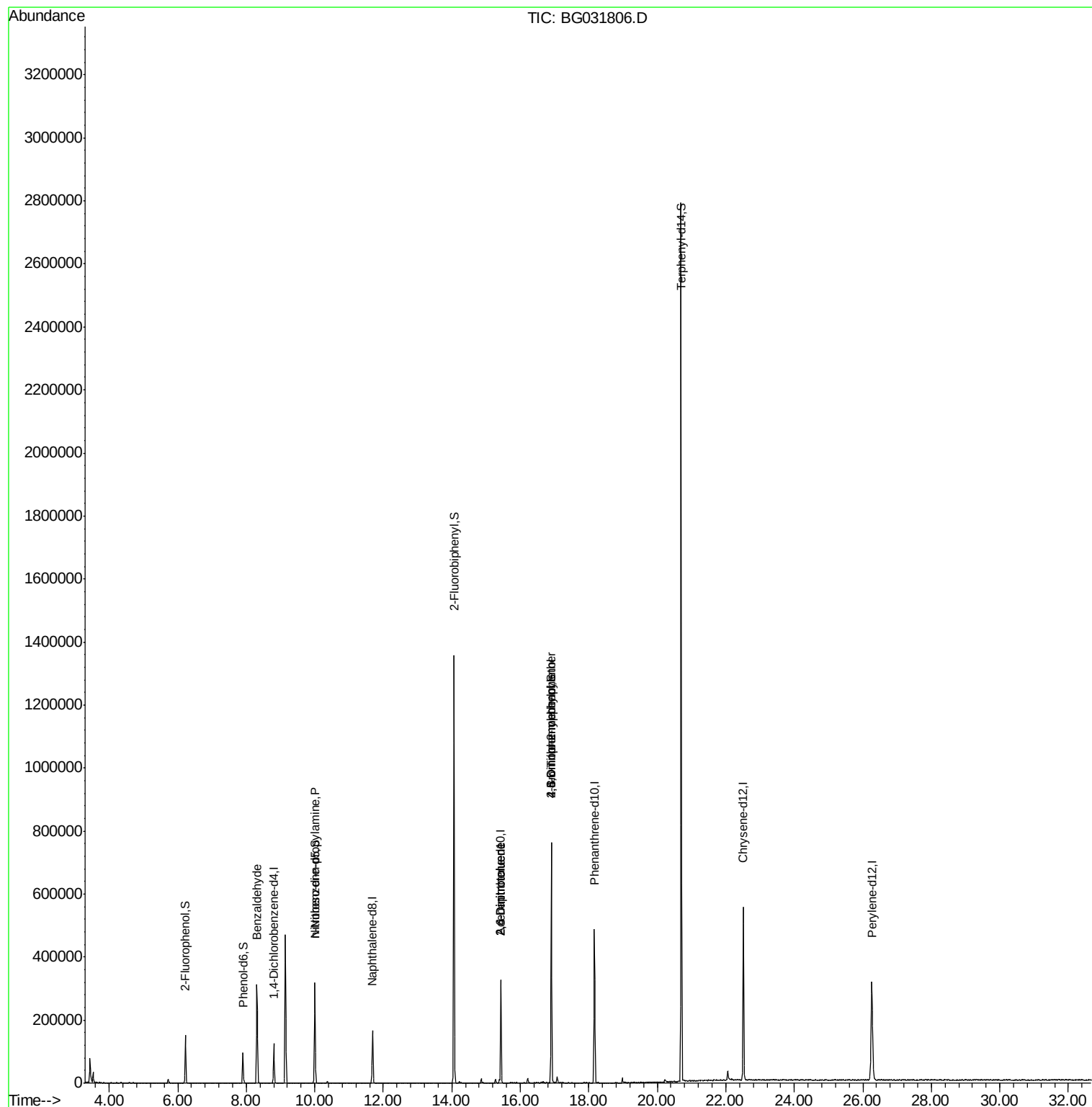
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	41921	20.00	ng	-0.04
21) Naphthalene-d8	11.69	136	172659	20.00	ng	-0.04
38) Acenaphthene-d10	15.43	164	126392	20.00	ng	-0.04
63) Phenanthrene-d10	18.16	188	342216	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	417421	20.00	ng	-0.06
86) Perylene-d12	26.27	264	436693	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	85374	37.09	ng	-0.02
7) Phenol-d6	7.90	99	66849	22.37	ng	-0.03
23) Nitrobenzene-d5	10.00	82	204717	89.53	ng	-0.04
41) 2,4,6-Tribromophenol	16.91	330	190066	98.55	ng	-0.04
44) 2-Fluorobiphenyl	14.06	172	830632	82.49	ng	-0.04
78) Terphenyl-d14	20.70	244	1543326	84.47	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	4111	2.285	ng	# 77
19) n-Nitroso-di-n-propylamine	10.00	70	27928	13.685	ng	# 68
50) 2,6-Dinitrotoluene	15.43	165	17050	8.324	ng	# 20
56) 2,4-Dinitrotoluene	15.43	165	17050	6.473	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.91	198	485	8.547	ng	# 76
66) 4-Bromophenyl-phenylether	16.91	248	14815	2.994	ng	# 1

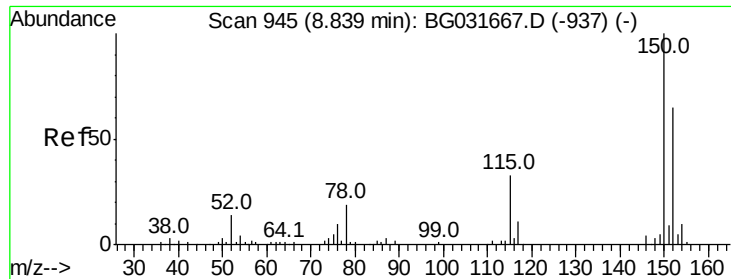
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.80 min Scan# 939

Delta R.T. -0.04 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

Instrument :

BNA_G

ClientSampleId :

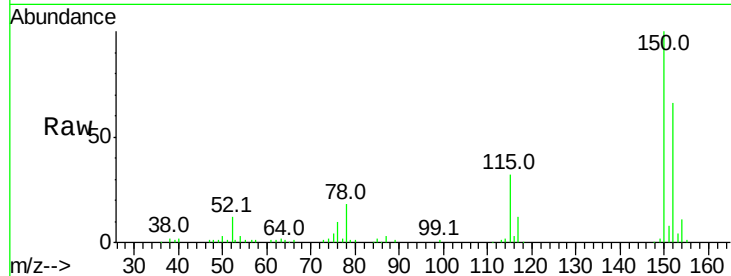
Tot Ion:152 Resp: 41921

Ion Ratio Lower Upper

152 100

150 152.7 126.6 189.8

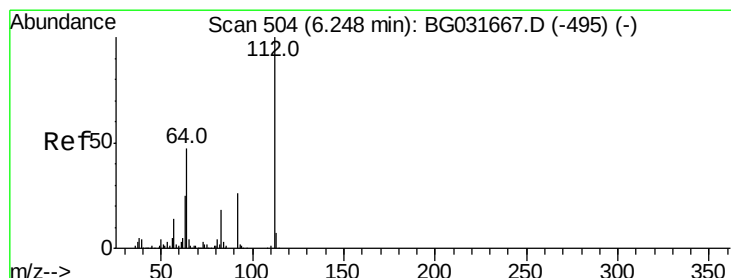
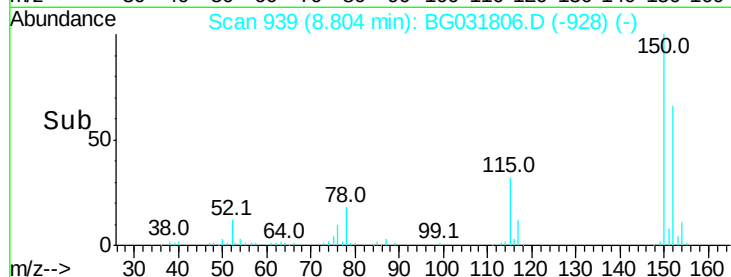
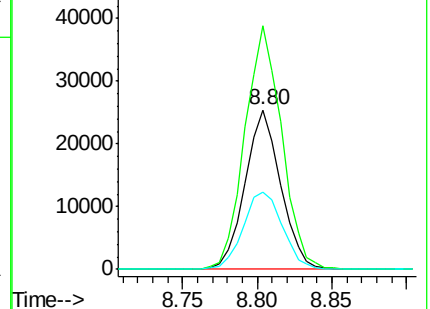
115 48.4 53.0 79.4#



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: 37.093 ng

RT: 6.22 min Scan# 500

Delta R.T. -0.02 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

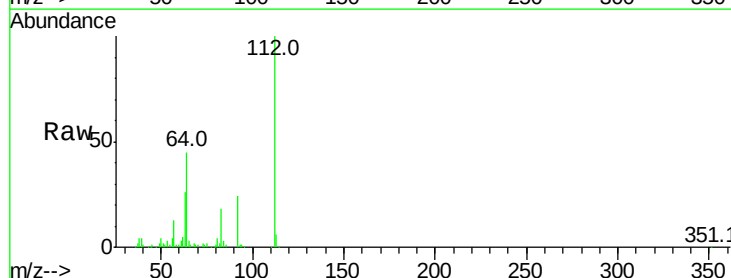
Tgt Ion:112 Resp: 85374

Ion Ratio Lower Upper

112 100

64 44.9 56.3 84.5#

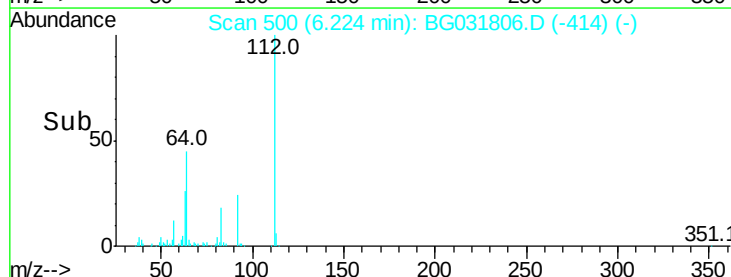
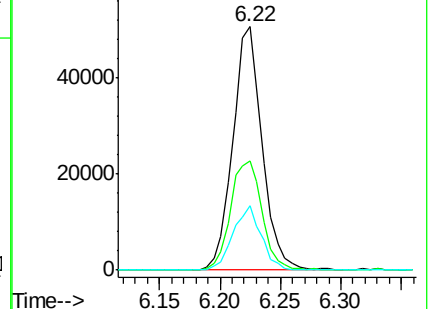
63 26.5 30.1 45.1#

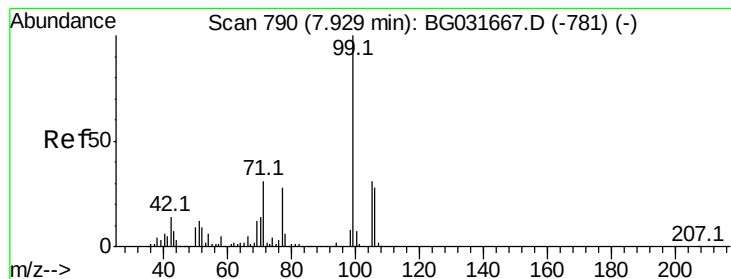


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 22.371 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

Instrument :

BNA_G

ClientSampleId :

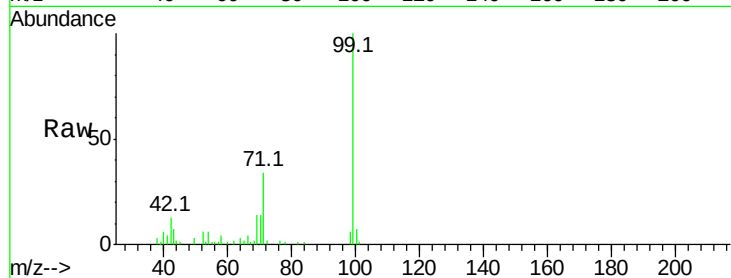
Tot Ion: 99 Resp: 66849

Ion Ratio Lower Upper

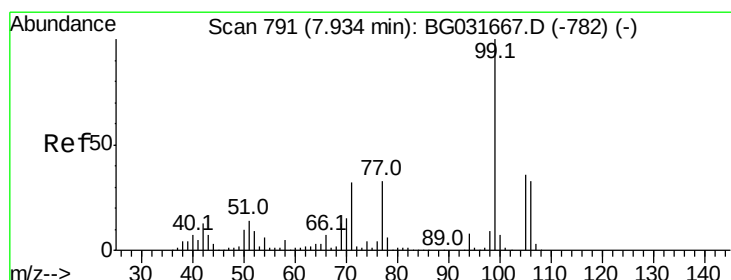
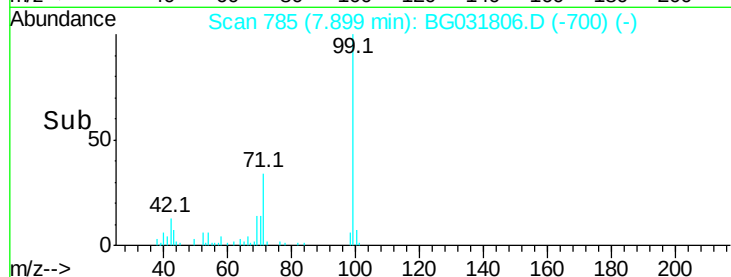
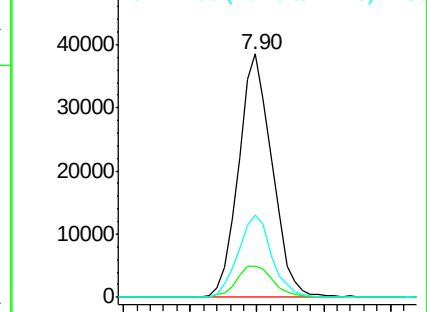
99 100

42 12.7 14.1 21.1#

71 34.1 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: 2.285 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

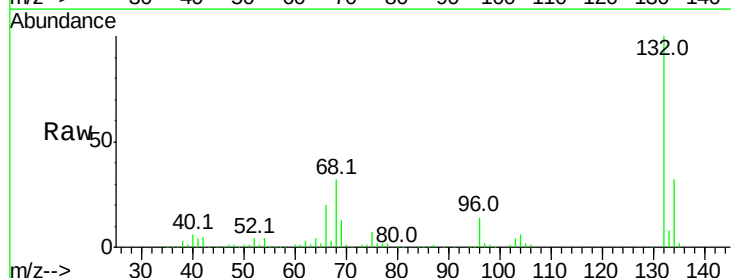
Tgt Ion: 77 Resp: 4111

Ion Ratio Lower Upper

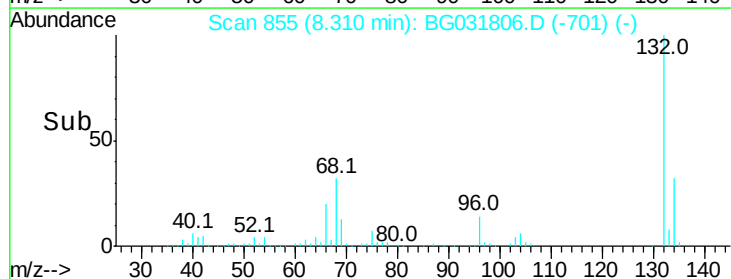
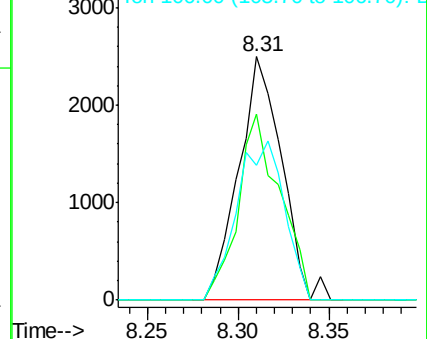
77 100

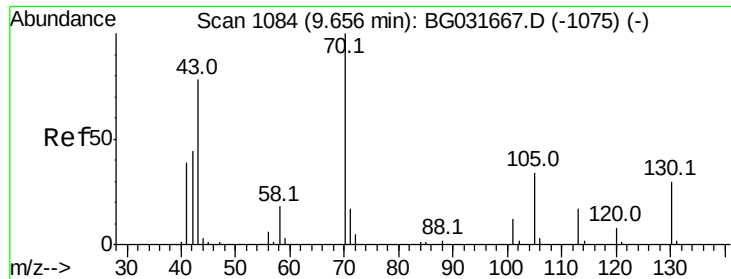
105 76.3 71.3 111.3

106 55.3 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

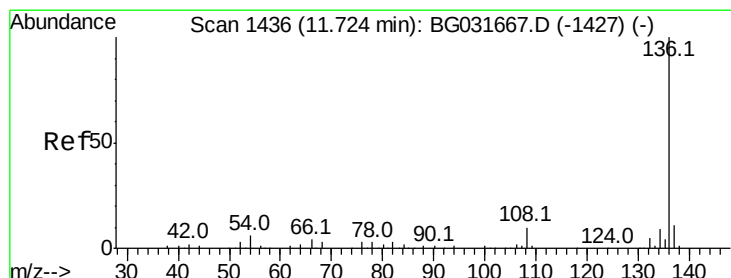
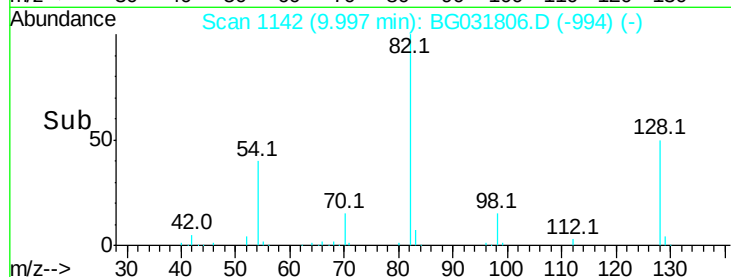
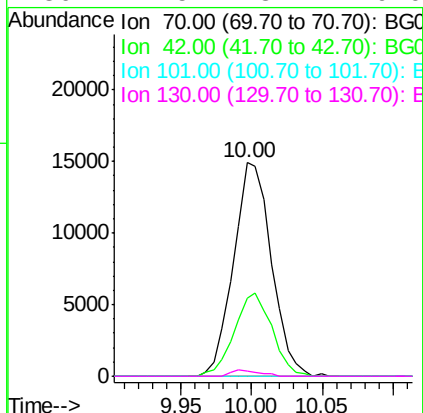
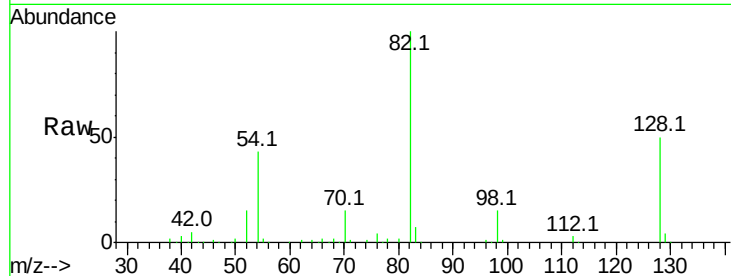




#19
n-Nitroso-di-n-propylamine
Concen: 13.685 ng
RT: 10.00 min Scan# 1142
Delta R.T. 0.34 min
Lab File: BG031806.D
Acq: 27 Dec 2017 21:07

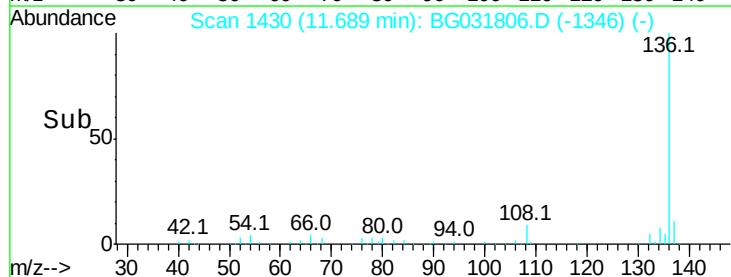
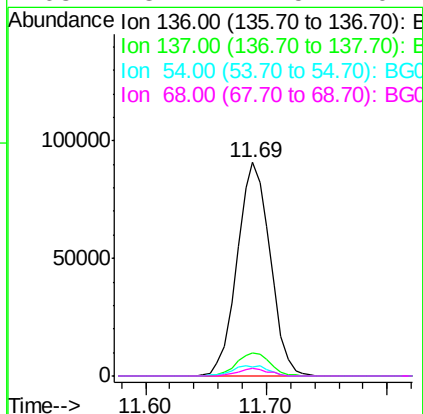
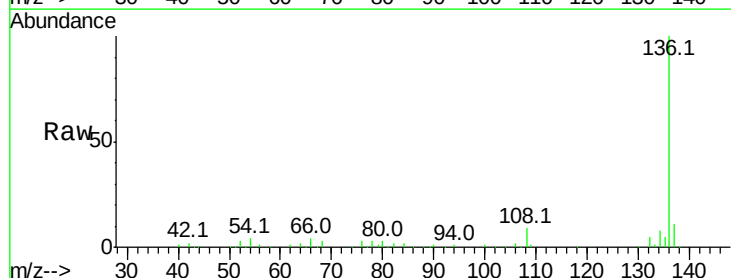
Instrument :
BNA_G
ClientSampleId :

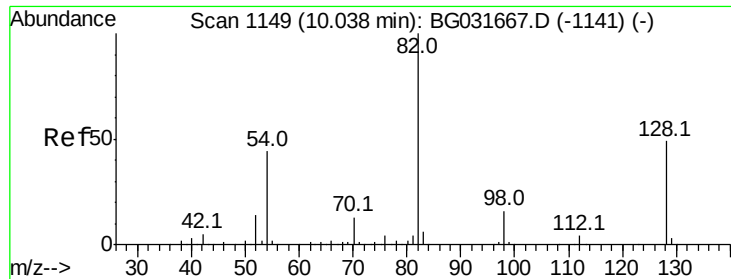
Tot Ion: 70 Resp: 27928
Ion Ratio Lower Upper
70 100
42 36.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.5 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.04 min
Lab File: BG031806.D
Acq: 27 Dec 2017 21:07

Tgt Ion: 136 Resp: 172659
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 4.3 10.3 15.5#
68 3.4 4.5 6.7#

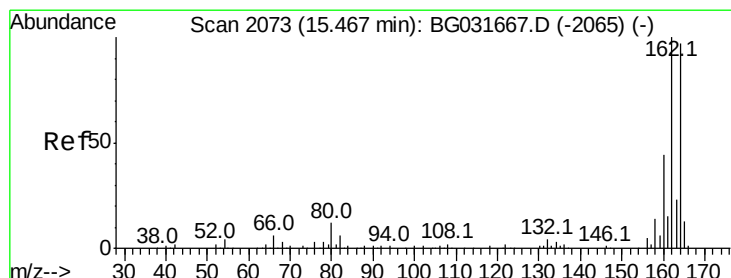
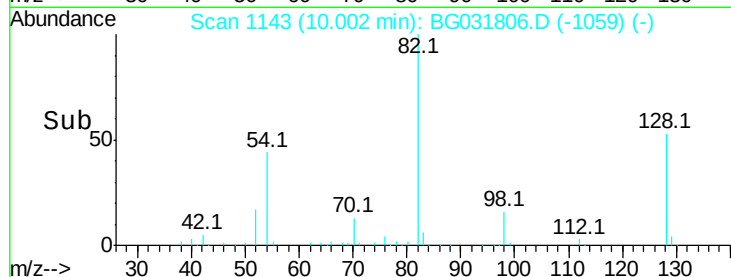
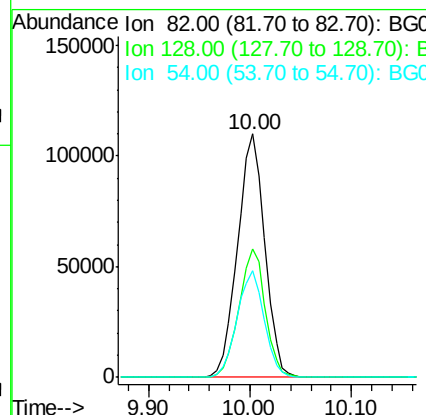
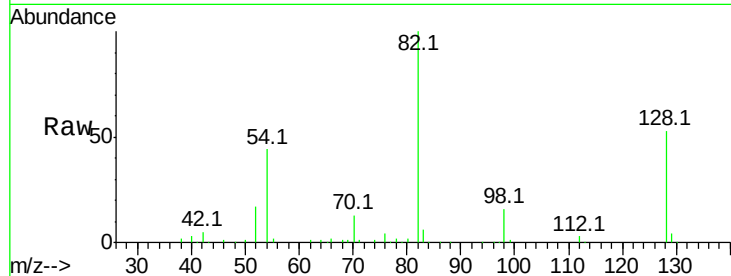




#23
 Nitrobenzene-d5
 Concen: 89.533 ng
 RT: 10.00 min Scan# 1143
 Delta R.T. -0.04 min
 Lab File: BG031806.D
 Acq: 27 Dec 2017 21:07

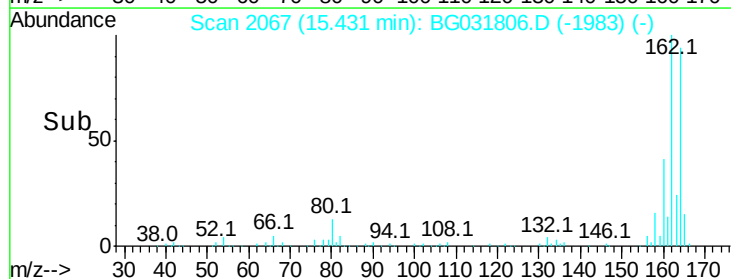
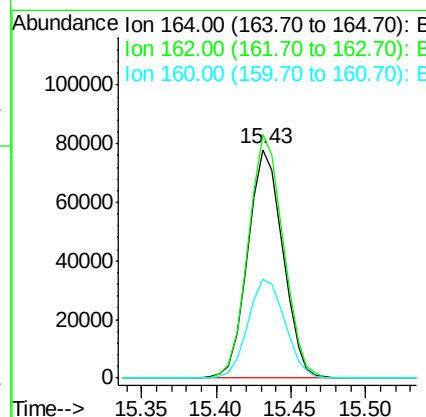
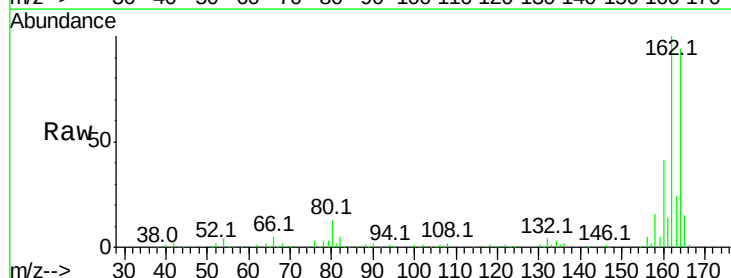
Instrument :
 BNA_G
 ClientSampled :

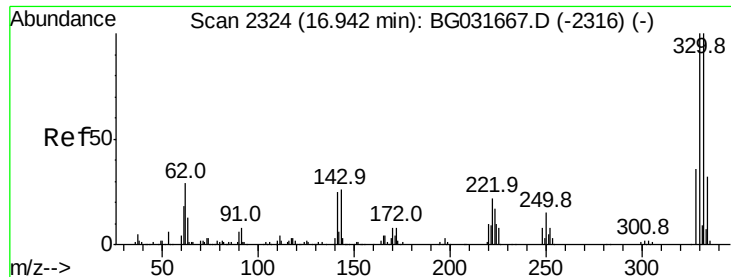
Tot Ion: 82 Resp: 204717
 Ion Ratio Lower Upper
 82 100
 128 52.7 29.7 44.5#
 54 43.9 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.04 min
 Lab File: BG031806.D
 Acq: 27 Dec 2017 21:07

Tgt Ion:164 Resp: 126392
 Ion Ratio Lower Upper
 164 100
 162 106.4 78.8 118.2
 160 43.2 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 98.553 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.04 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

Instrument :

BNA_G

ClientSampleId :

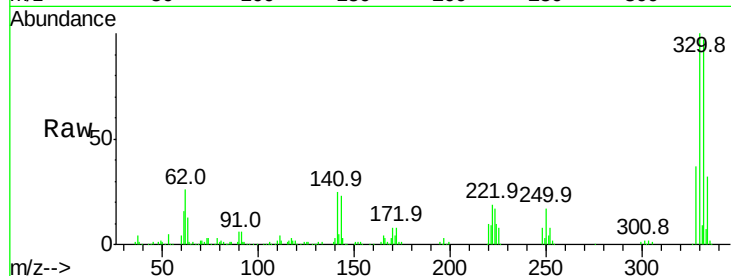
Tot Ion:330 Resp: 190066

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

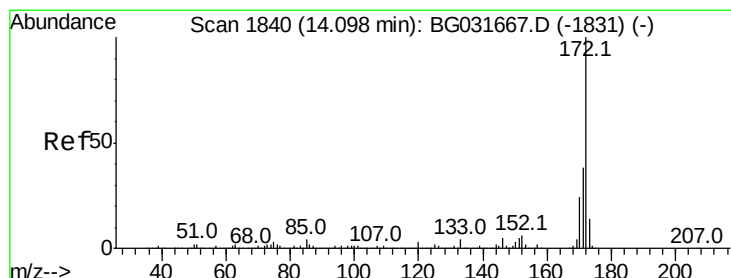
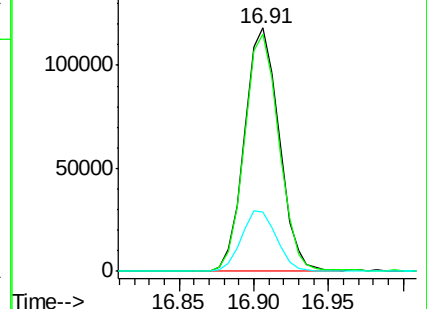
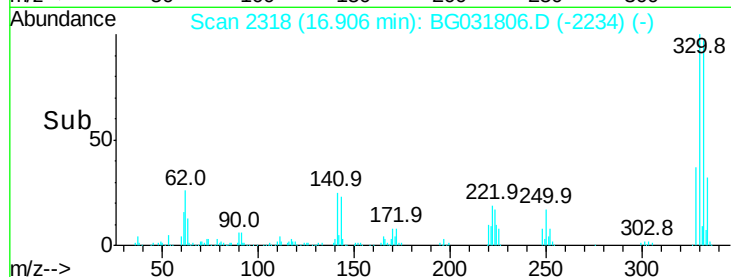
141 25.4 25.2 37.8



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: 82.486 ng

RT: 14.06 min Scan# 1834

Delta R.T. -0.04 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

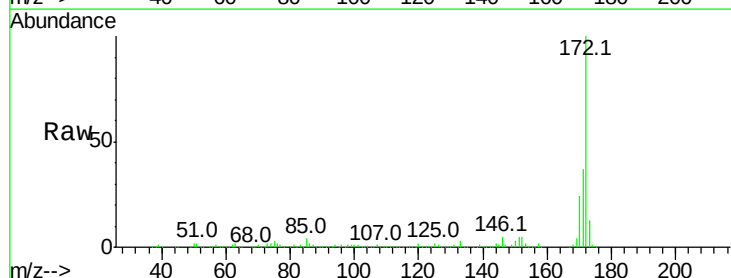
Tgt Ion:172 Resp: 830632

Ion Ratio Lower Upper

172 100

171 37.4 30.0 45.0

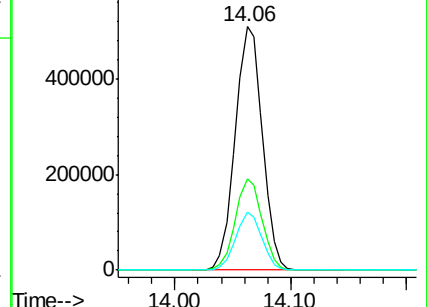
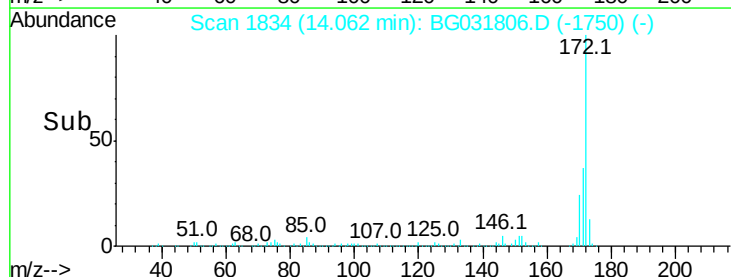
170 23.7 19.5 29.3

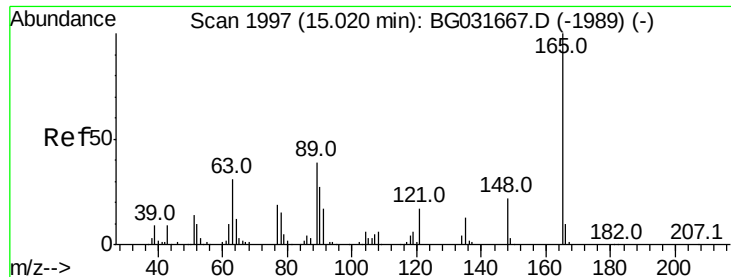


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

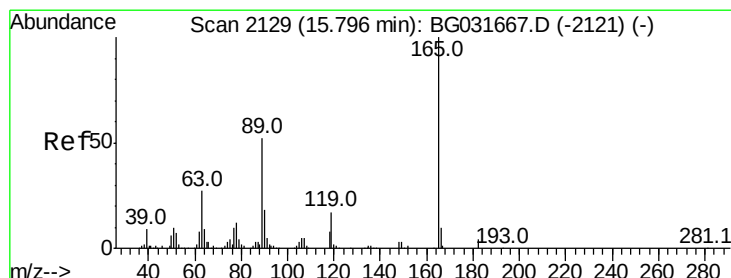
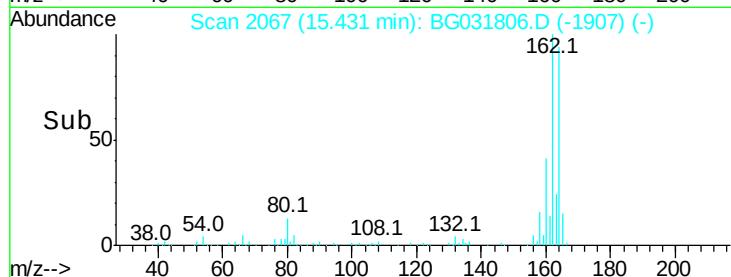
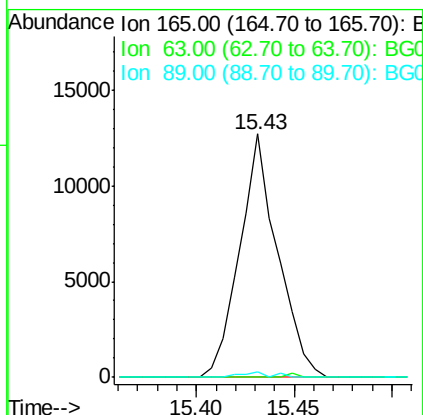
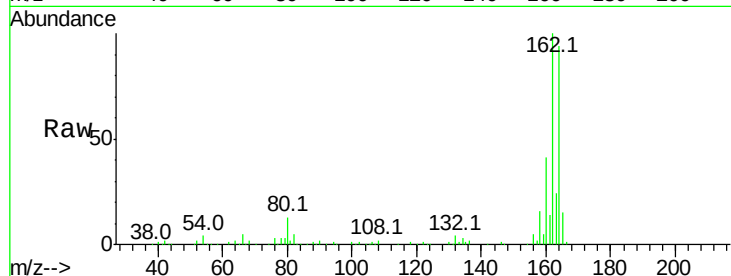




#50
 2,6-Dinitrotoluene
 Concen: 8.324 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.41 min
 Lab File: BG031806.D
 Acq: 27 Dec 2017 21:07

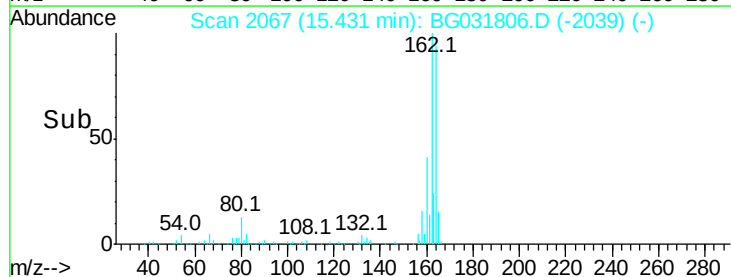
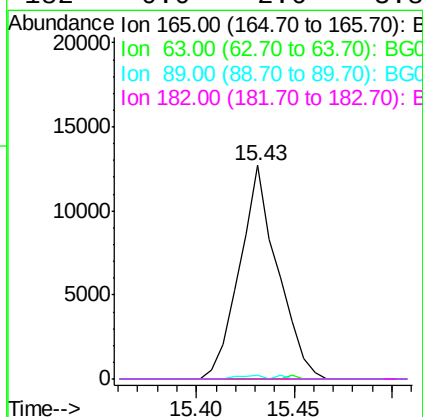
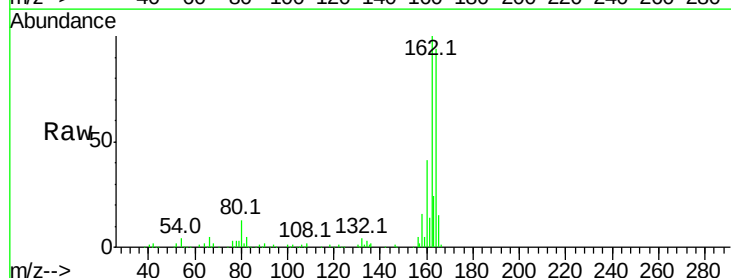
Instrument :
 BNA_G
 ClientSampleId :

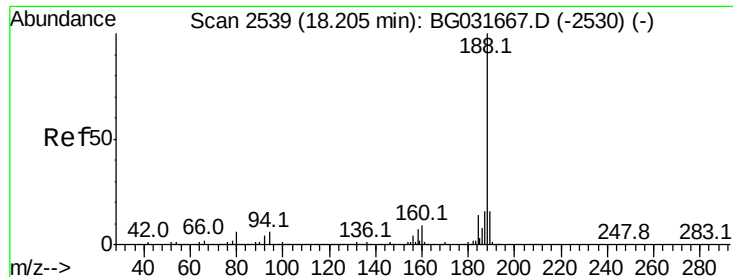
Tot Ion:165 Resp: 17050
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.1 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.473 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031806.D
 Acq: 27 Dec 2017 21:07

Tgt Ion:165 Resp: 17050
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.1 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.16 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

Instrument :

BNA_G

ClientSampleId :

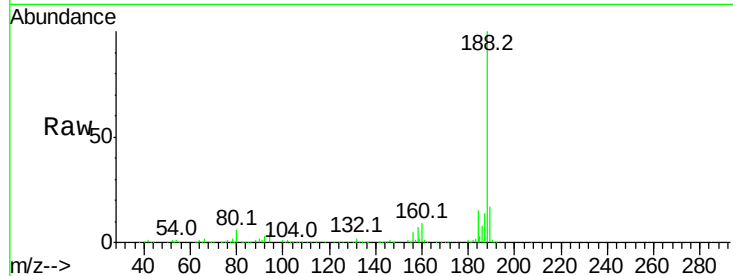
Tot Ion:188 Resp: 342216

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

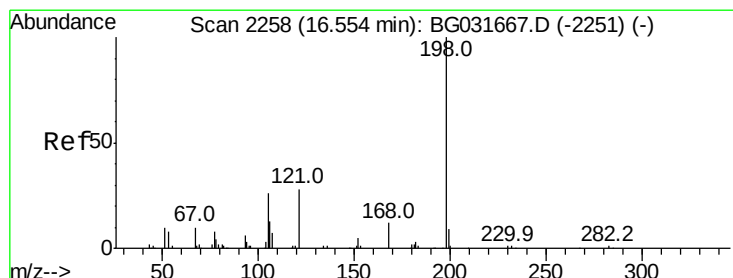
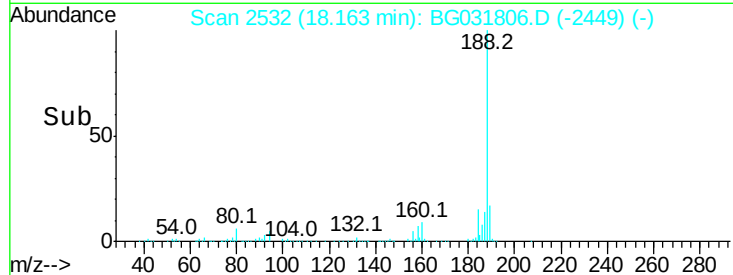
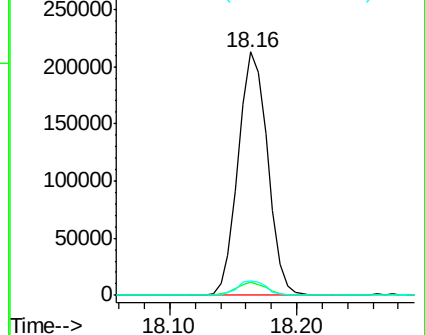
80 6.1 7.7 11.5#



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: BG031806.D

Acq: 27 Dec 2017 21:07

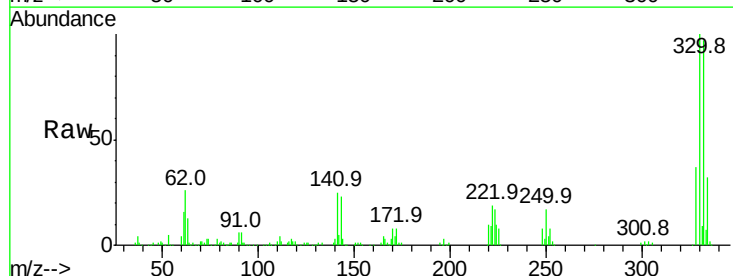
Tgt Ion:198 Resp: 485

Ion Ratio Lower Upper

198 100

51 47.6 30.6 70.6

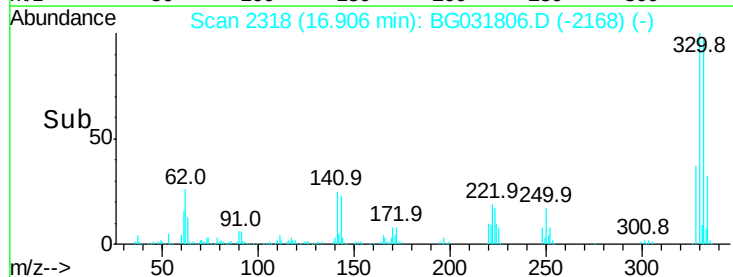
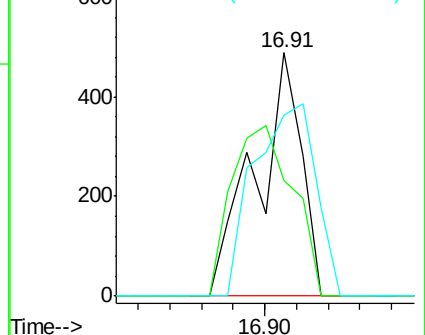
105 74.2 23.8 63.8#

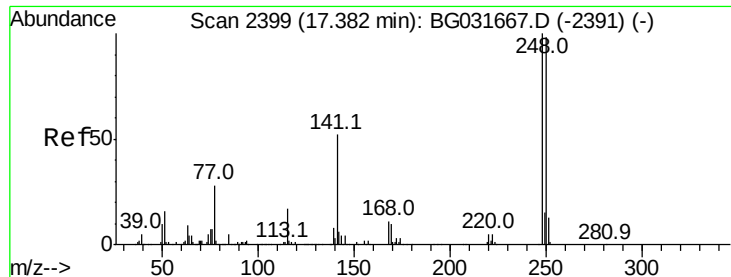


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

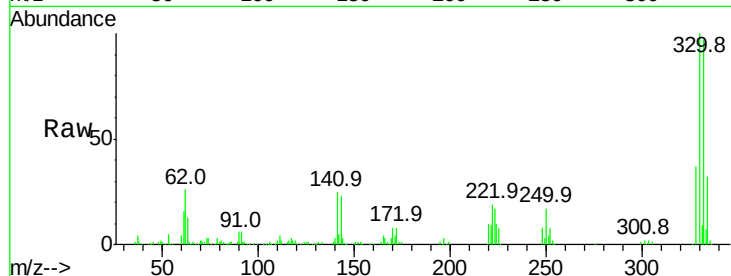




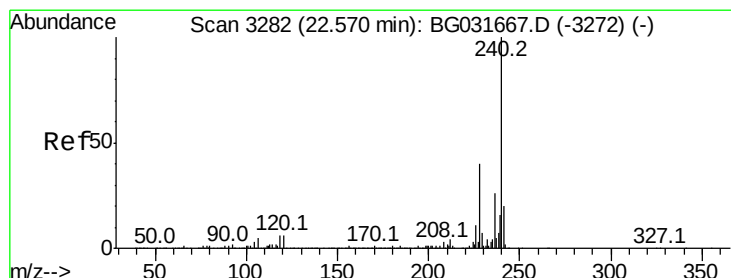
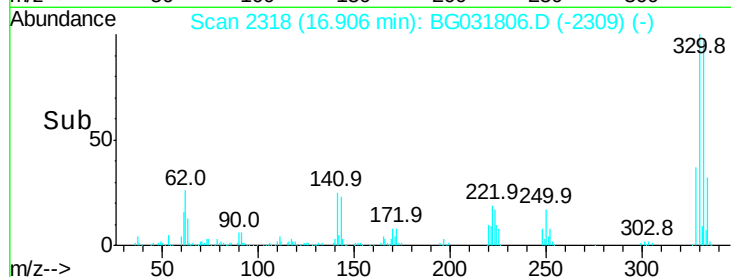
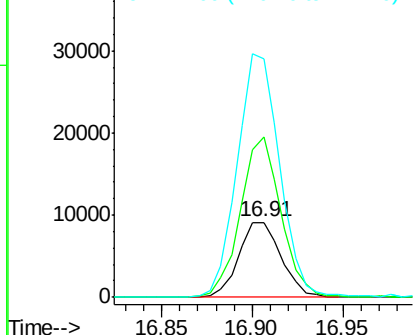
#66
4-Bromophenyl-phenylether
Concen: 2.994 ng
RT: 16.91 min Scan# 2318
Delta R.T. -0.48 min
Lab File: BG031806.D
Acq: 27 Dec 2017 21:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14815
Ion Ratio Lower Upper
248 100
250 213.7 77.1 115.7#
141 316.8 50.8 76.2#

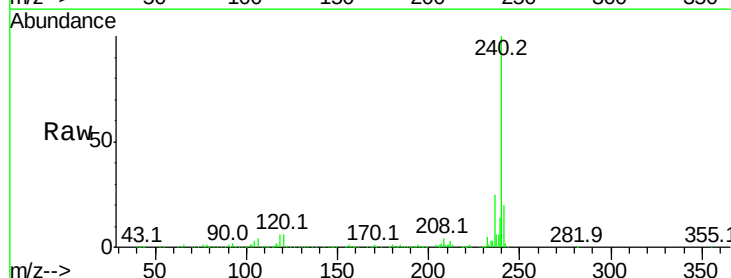


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

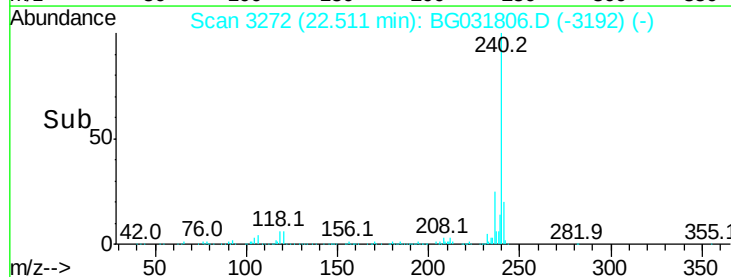
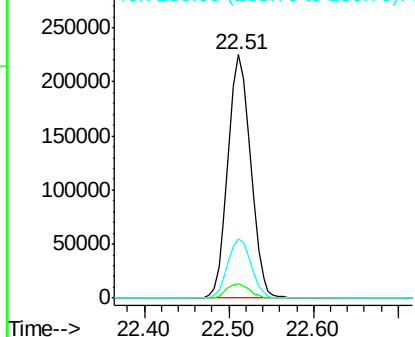


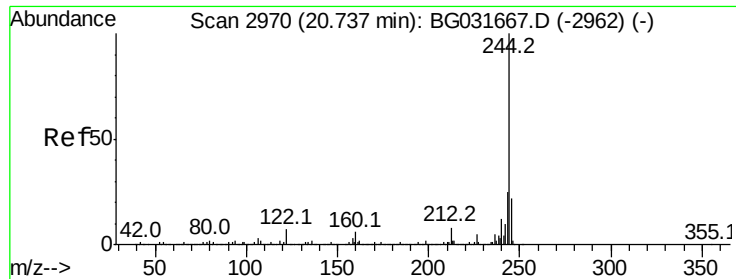
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.51 min Scan# 3272
Delta R.T. -0.06 min
Lab File: BG031806.D
Acq: 27 Dec 2017 21:07

Tgt Ion:240 Resp: 417421
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 24.5 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: 84.470 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

Instrument :

BNA_G

ClientSampled :

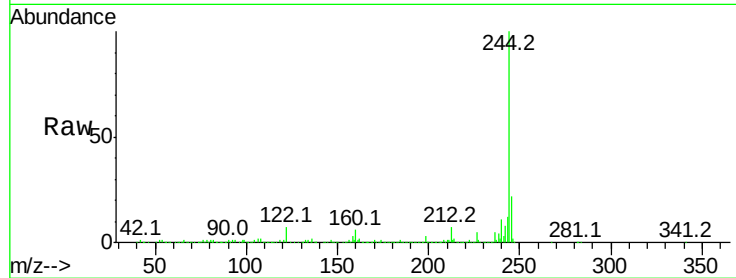
Tot Ion:244 Resp: 1543326

Ion Ratio Lower Upper

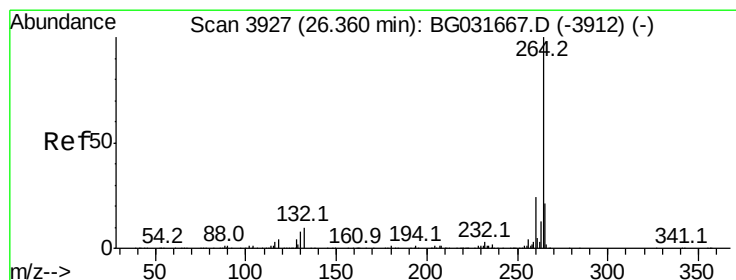
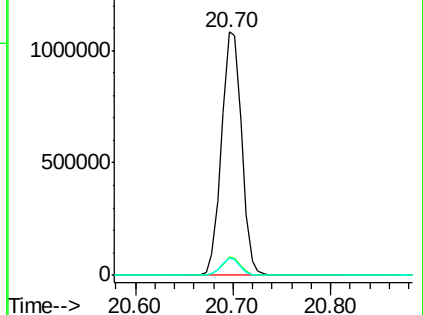
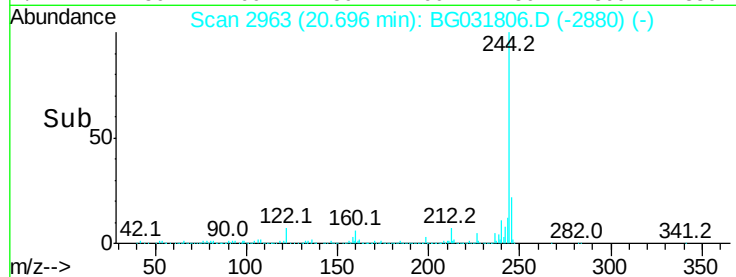
244 100

212 7.3 5.8 8.8

122 7.1 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

Perylene-d12

Concen: 20.000 ng

RT: 26.27 min Scan# 3911

Delta R.T. -0.09 min

Lab File: BG031806.D

Acq: 27 Dec 2017 21:07

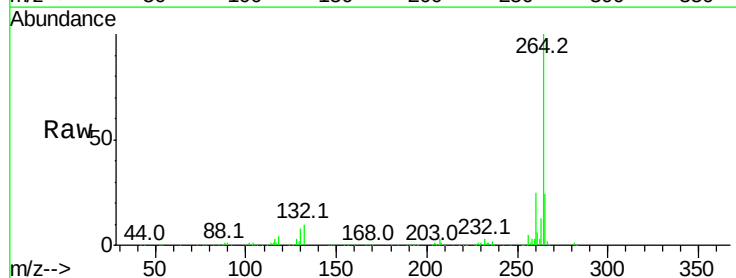
Tgt Ion:264 Resp: 436693

Ion Ratio Lower Upper

264 100

260 25.0 17.4 26.0

265 23.5 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

