

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
 Data File : BG025986.D
 Acq On : 28 Feb 2017 5:42
 Operator : SJ/MA
 Sample : I2000-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-SOUTH(0-2)

Quant Time: Feb 28 06:34:15 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 15:48:21 2017
 Response via : Initial Calibration

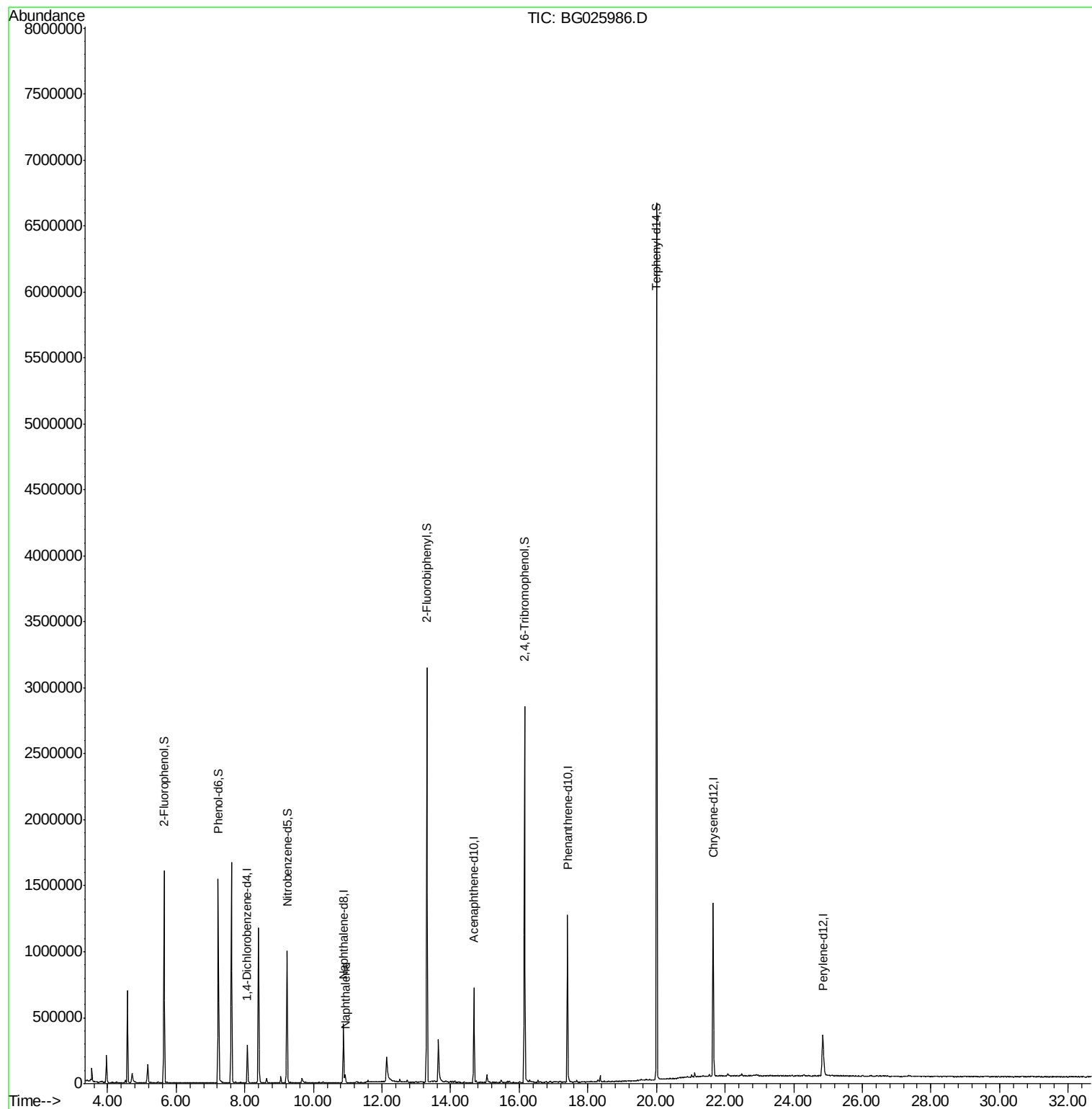
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	87482	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	402018	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	243045	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	800627	20.00	ng	0.00
75) Chrysene-d12	21.65	240	805735	20.00	ng	-0.03
86) Perylene-d12	24.85	264	304707	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	750436	149.35	ng	0.00
7) Phenol-d6	7.23	99	906650	121.93	ng	0.00
23) Nitrobenzene-d5	9.23	82	613680	96.33	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	540516	240.71	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1641650	118.03	ng	-0.01
78) Terphenyl-d14	20.01	244	2820618	85.14	ng	-0.01
Target Compounds						
31) Naphthalene	10.93	128	54798	2.64	ng	Qvalue 96

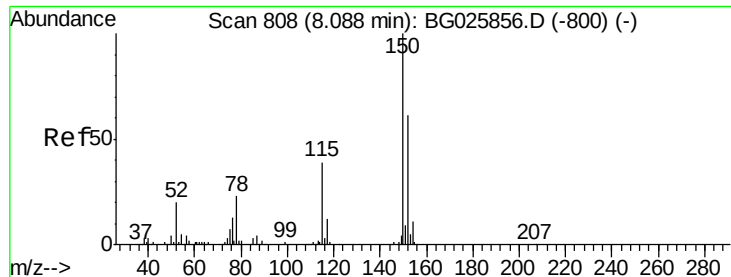
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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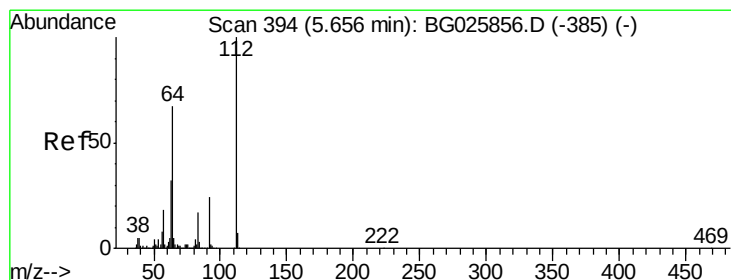
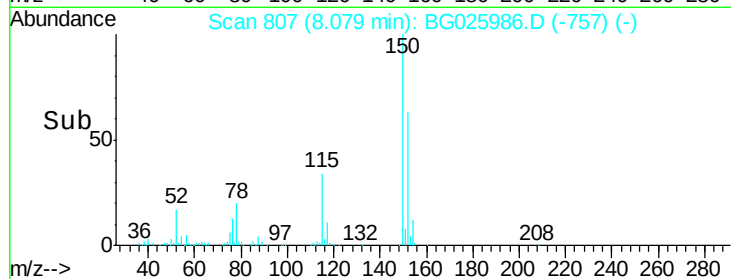
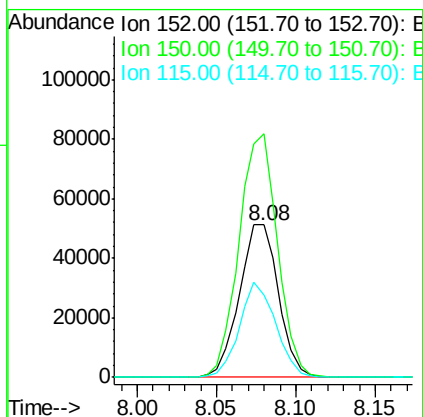
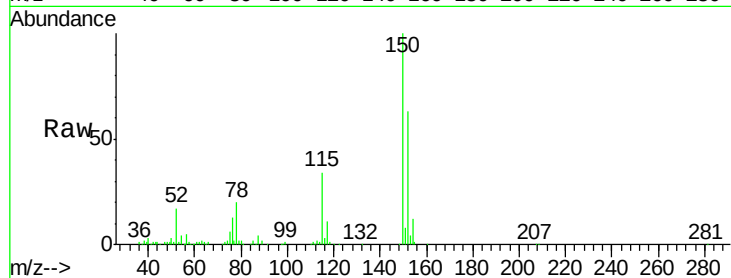


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG025986.D
Acq: 28 Feb 2017 5:42

Instrument :
BNA_G
ClientSampleId :
SP-SOUTH(0-2)

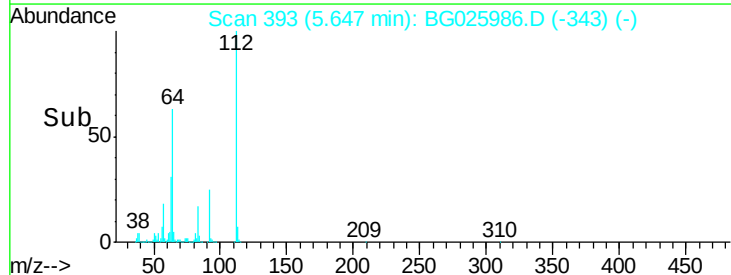
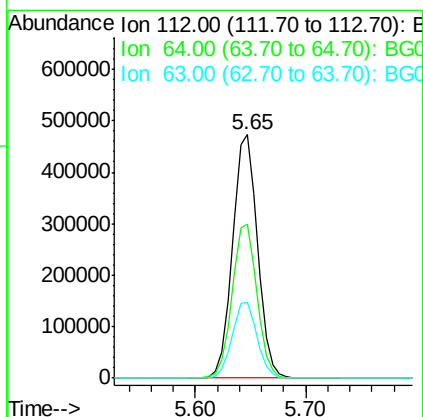
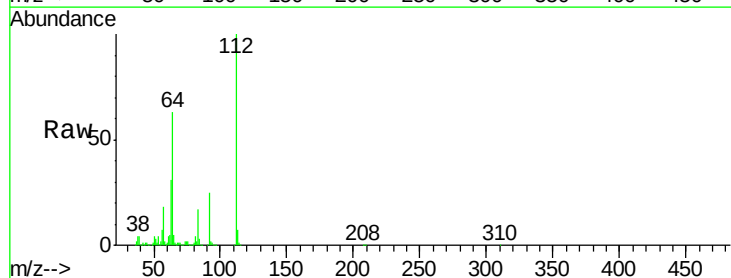
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	114.0	171.0
115	53.7	48.1	72.1

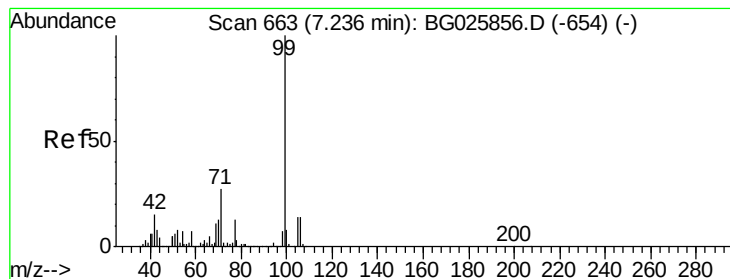


#5

2-Fluorophenol
Concen: 149.35 ng
RT: 5.65 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG025986.D
Acq: 28 Feb 2017 5:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	61.8	92.6
63	31.2	37.2	55.8





#7

Phenol-d6

Concen: 121.93 ng

RT: 7.23 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

Instrument :

BNA_G

ClientSampleId :

SP-SOUTH(0-2)

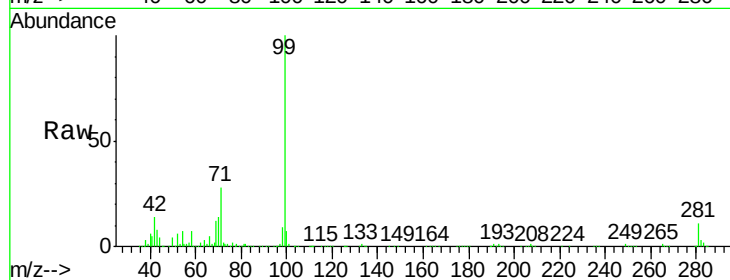
Tot Ion: 99 Resp: 906650

Ion Ratio Lower Upper

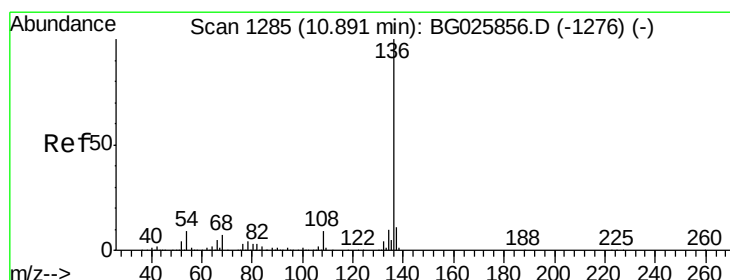
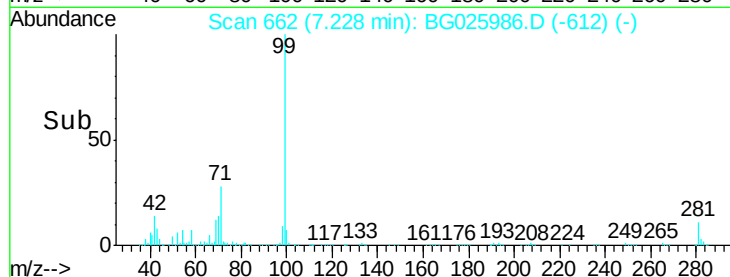
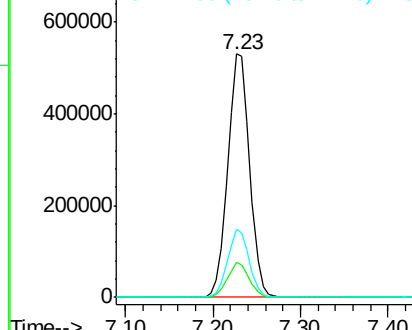
99 100

42 14.1 20.5 30.7#

71 28.1 37.6 56.4#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

Tgt Ion: 136 Resp: 402018

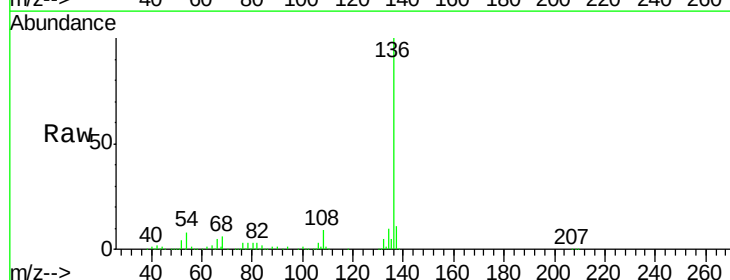
Ion Ratio Lower Upper

136 100

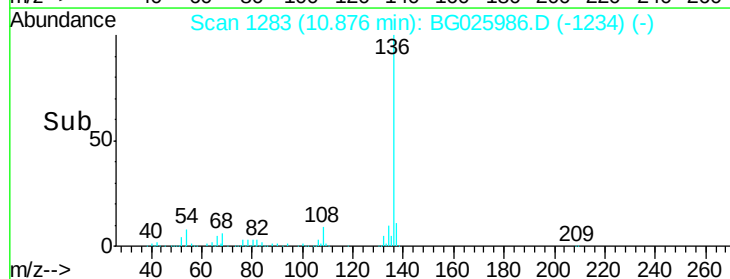
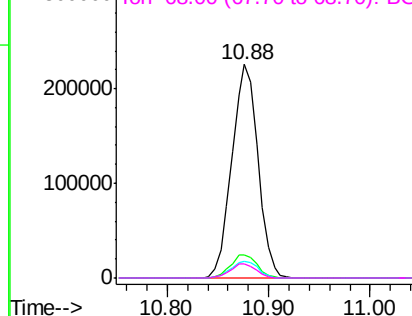
137 11.1 8.9 13.3

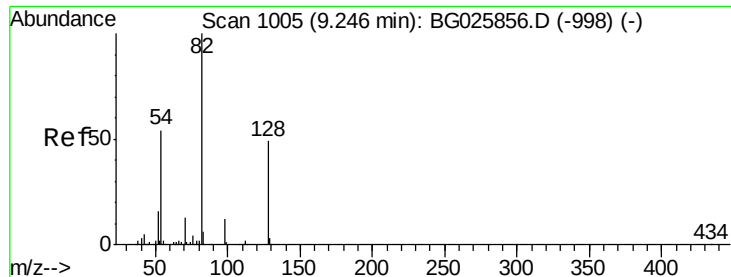
54 8.1 9.3 13.9#

68 6.3 5.1 7.7



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: 96.33 ng

RT: 9.23 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

Instrument :

BNA_G

ClientSampleId :

SP-SOUTH(0-2)

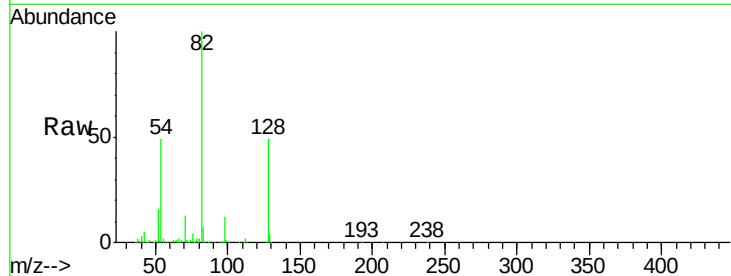
Tot Ion: 82 Resp: 613680

Ion Ratio Lower Upper

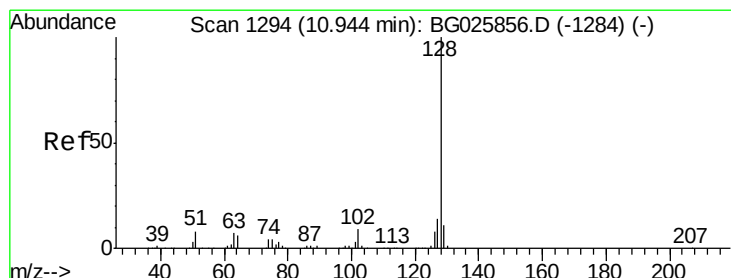
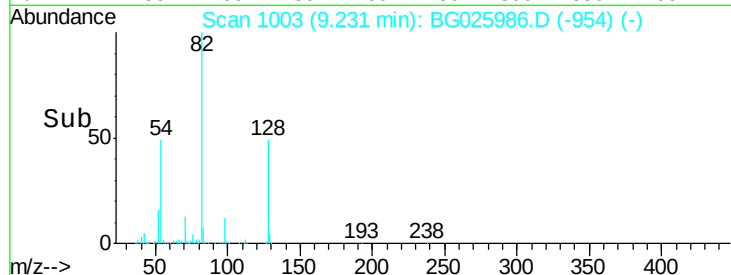
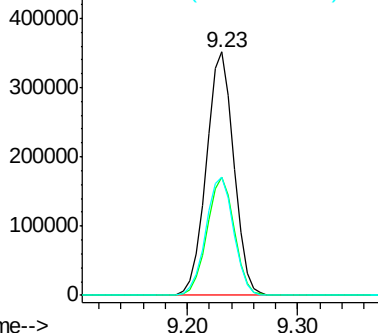
82 100

128 48.7 26.4 39.6#

54 48.8 49.4 74.2#



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



#31

Naphthalene

Concen: 2.64 ng

RT: 10.93 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

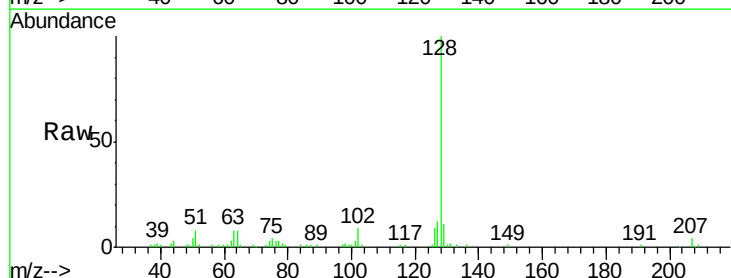
Tgt Ion: 128 Resp: 54798

Ion Ratio Lower Upper

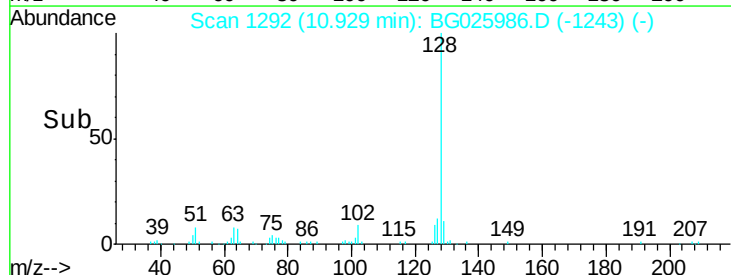
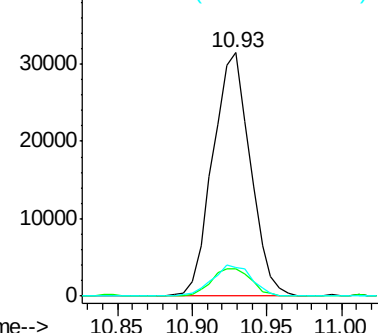
128 100

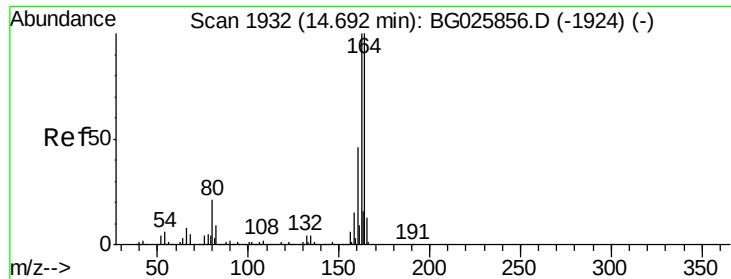
129 11.1 9.3 13.9

127 11.9 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

Instrument :

BNA_G

ClientSampleId :

SP-SOUTH(0-2)

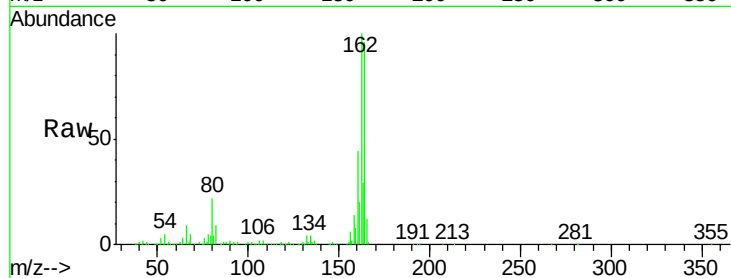
Tot Ion:164 Resp: 243045

Ion Ratio Lower Upper

164 100

162 104.4 85.1 127.7

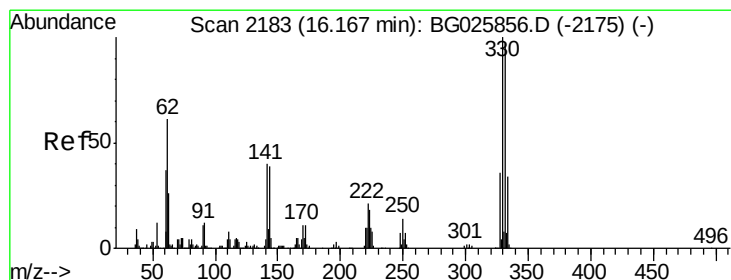
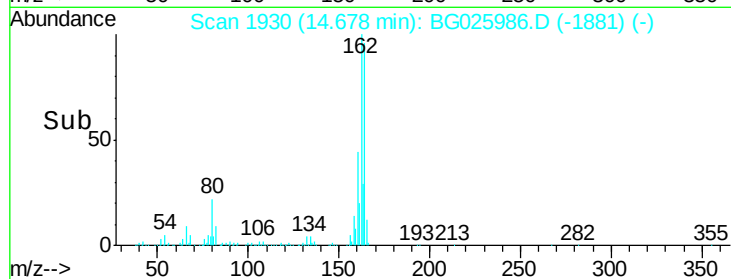
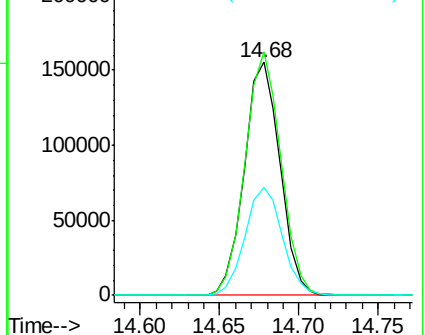
160 46.3 34.7 52.1



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: 240.71 ng

RT: 16.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

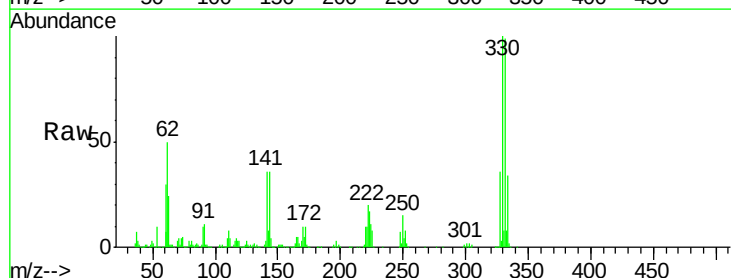
Tgt Ion:330 Resp: 540516

Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

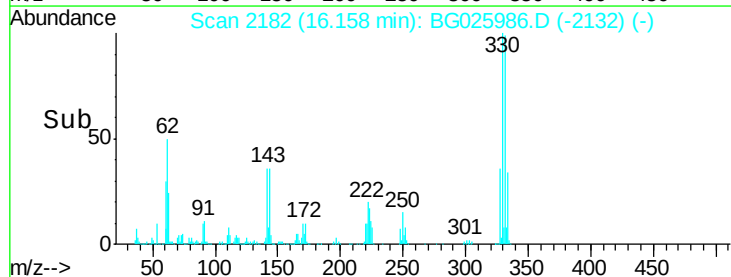
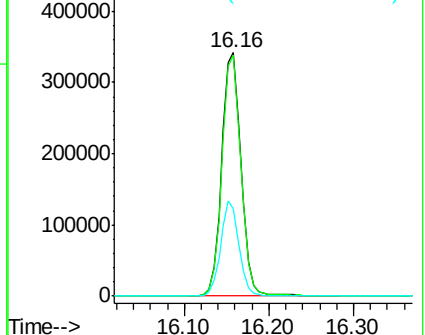
141 37.0 32.1 48.1

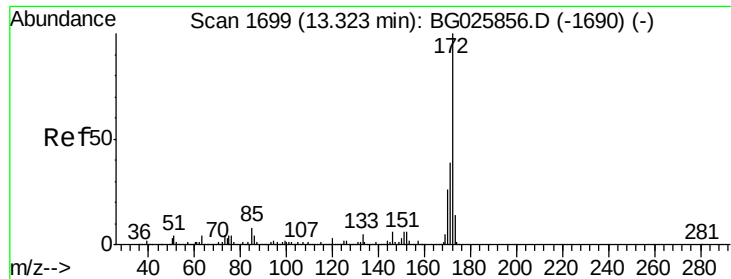


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

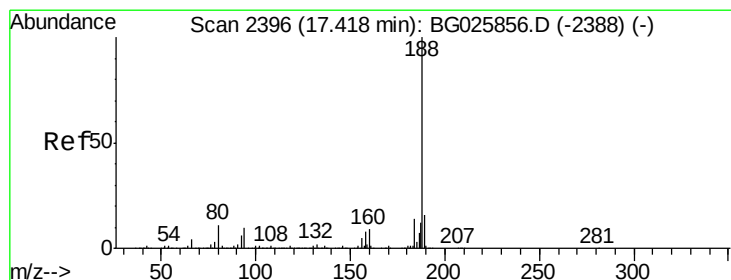
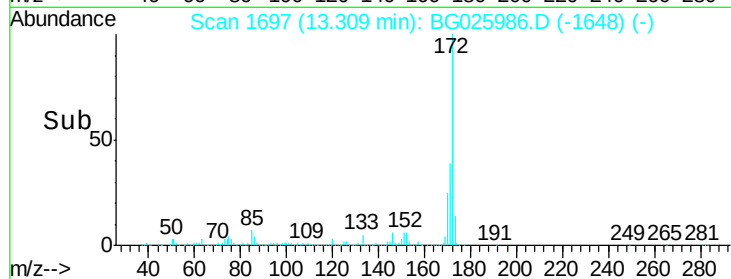
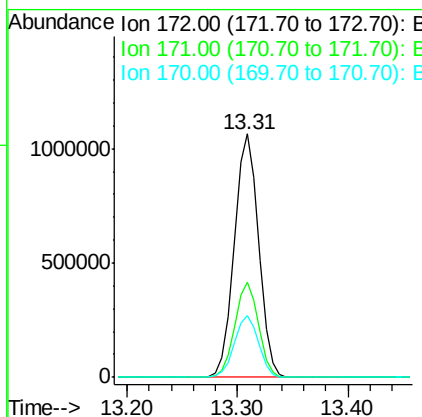
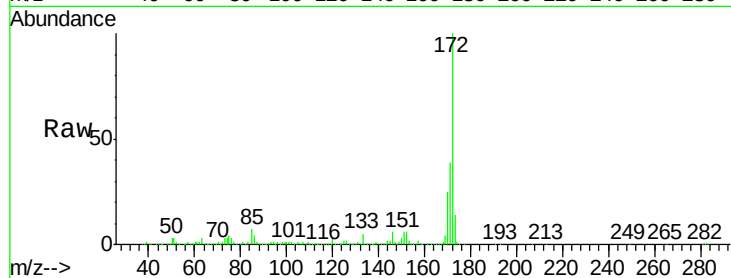




#44
2-Fluorobiphenyl
Concen: 118.03 ng
RT: 13.31 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG025986.D
Acq: 28 Feb 2017 5:42

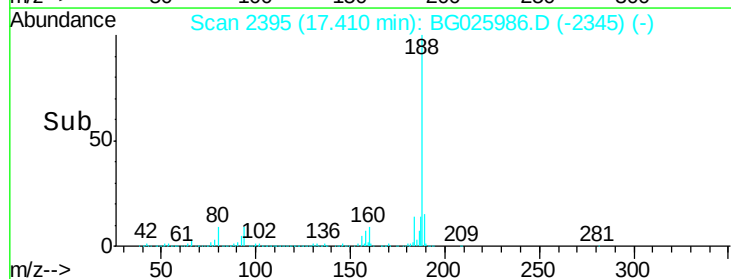
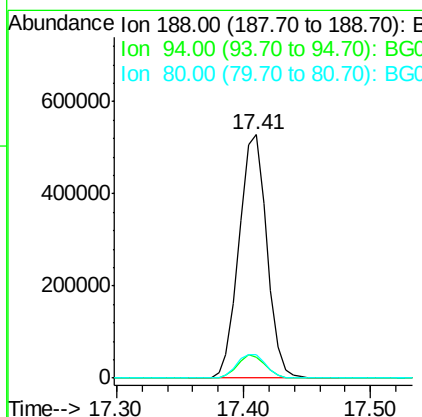
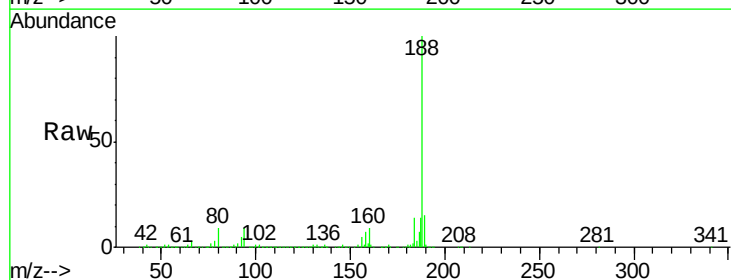
Instrument :
BNA_G
ClientSampleId :
SP-SOUTH(0-2)

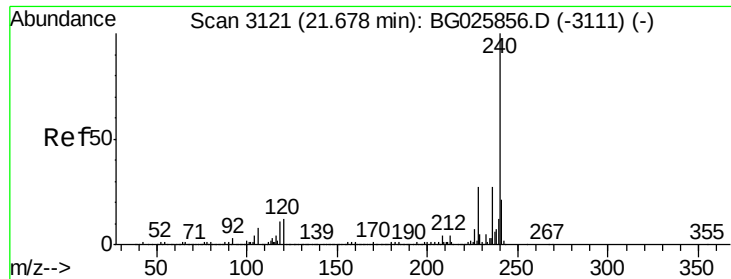
Tot Ion:172 Resp: 1641650
Ion Ratio Lower Upper
172 100
171 39.2 32.2 48.2
170 25.5 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.41 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BG025986.D
Acq: 28 Feb 2017 5:42

Tgt Ion:188 Resp: 800627
Ion Ratio Lower Upper
188 100
94 8.8 5.8 8.8#
80 9.5 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.65 min Scan# 3117

Delta R.T. -0.03 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

Instrument :

BNA_G

ClientSampleId :

SP-SOUTH(0-2)

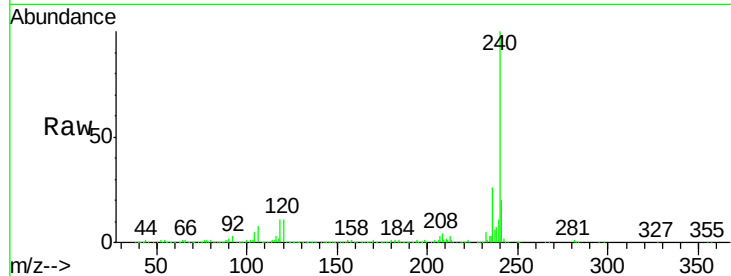
Tot Ion:240 Resp: 805735

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

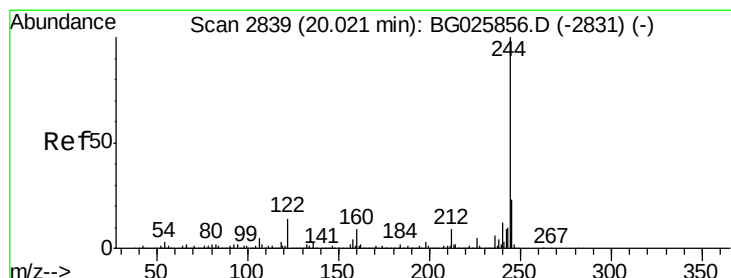
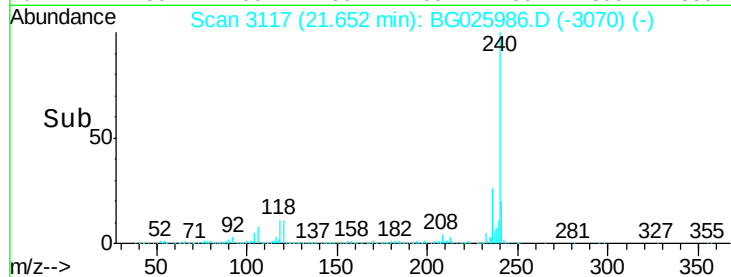
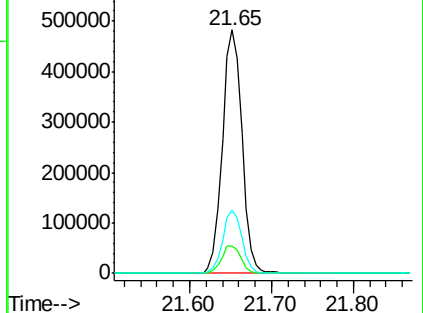
236 26.1 22.2 33.4



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: 85.14 ng

RT: 20.01 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BG025986.D

Acq: 28 Feb 2017 5:42

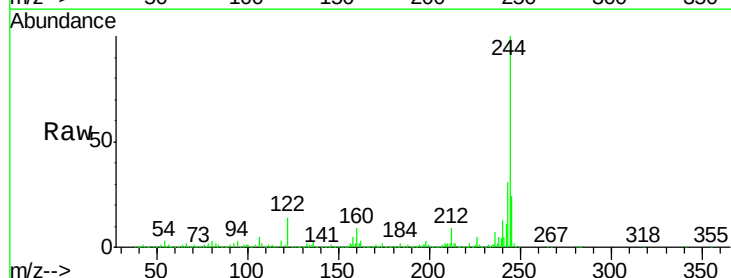
Tgt Ion:244 Resp: 2820618

Ion Ratio Lower Upper

244 100

212 9.3 10.0 15.0#

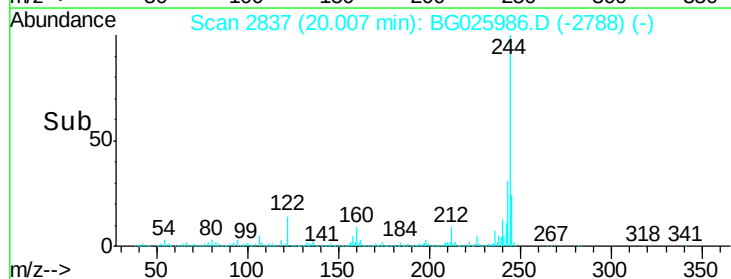
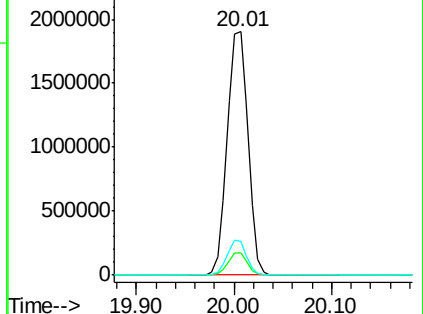
122 13.7 8.6 12.8#

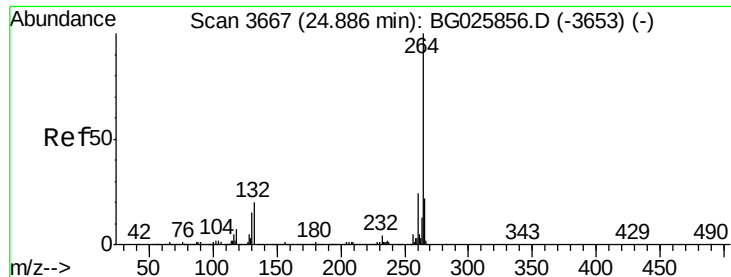


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

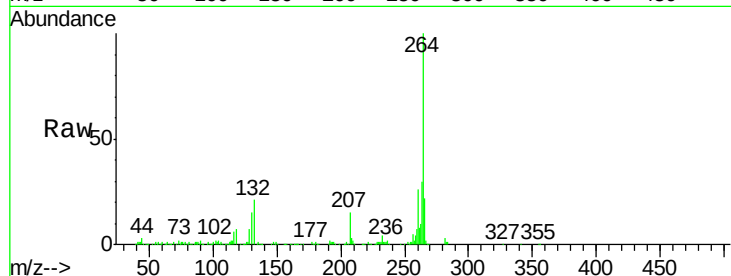




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.85 min Scan# 3661
Delta R.T. -0.04 min
Lab File: BG025986.D
Acq: 28 Feb 2017 5:42

Instrument :
BNA_G
ClientSampleId :
SP-SOUTH(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.8	32.8
265	21.7	18.2	27.4



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

