

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032317\
 Data File : BG026406.D
 Acq On : 23 Mar 2017 17:14
 Operator : SJ/MA
 Sample : I2364-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-10

Quant Time: Mar 24 01:33:31 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

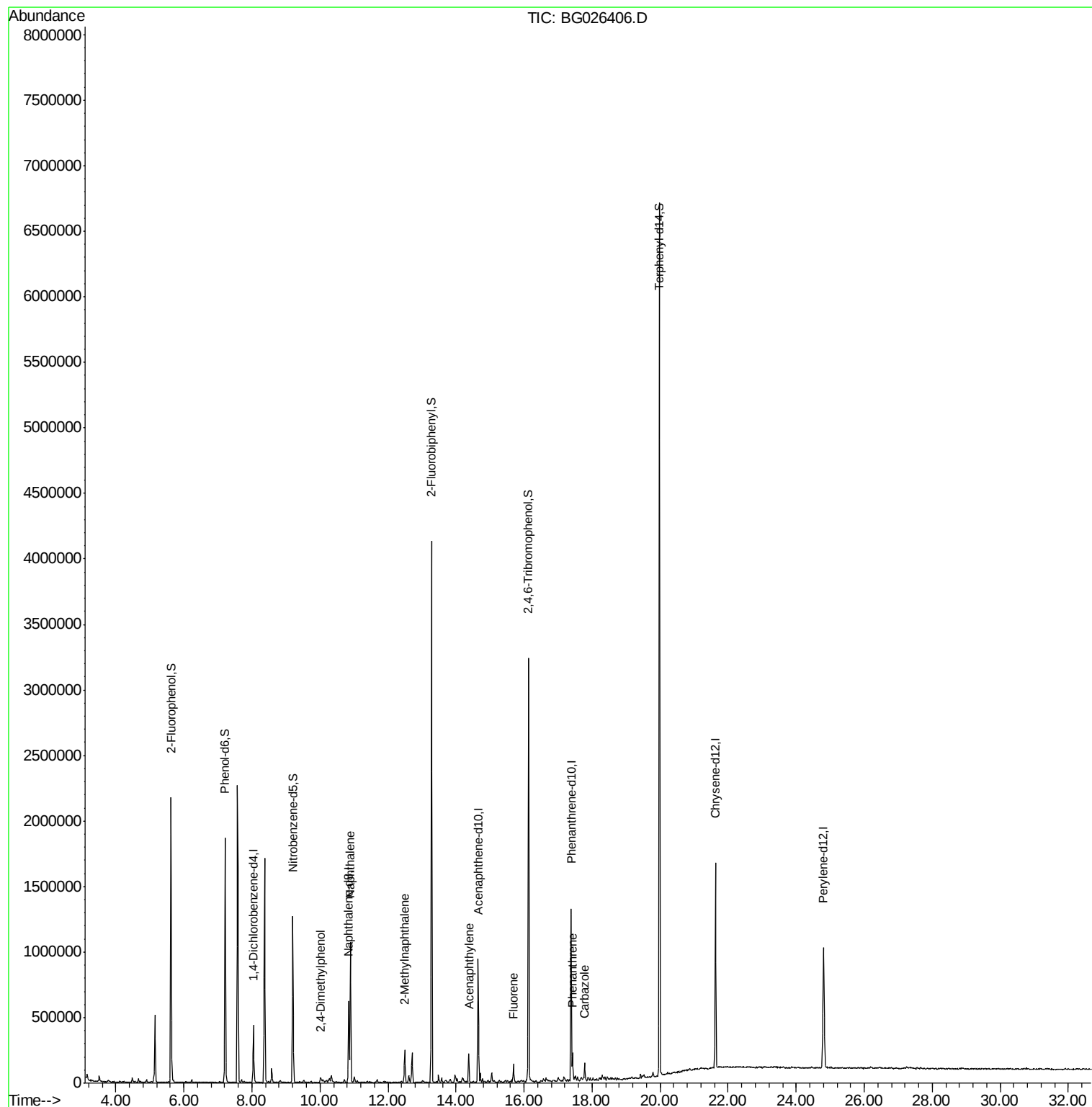
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	144901	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	588627	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	348263	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	832576	20.00	ng	0.00
75) Chrysene-d12	21.63	240	978847	20.00	ng	-0.01
86) Perylene-d12	24.80	264	946958	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1096684	134.33	ng	0.00
7) Phenol-d6	7.21	99	1371561	125.14	ng	0.00
23) Nitrobenzene-d5	9.20	82	836338	85.43	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	682218	171.06	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	2239390	90.17	ng	0.00
78) Terphenyl-d14	19.98	244	2907165	72.13	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	10.02	122	17900	2.17	ng	84
31) Naphthalene	10.89	128	992119	33.34	ng	99
37) 2-Methylnaphthalene	12.49	142	132956	6.10	ng	# 90
48) Acenaphthylene	14.38	152	162959	4.44	ng	99
57) Fluorene	15.69	166	65170	2.30	ng	93
70) Phenanthrene	17.42	178	134114	3.00	ng	# 92
72) Carbazole	17.78	167	94071	2.00	ng	# 94

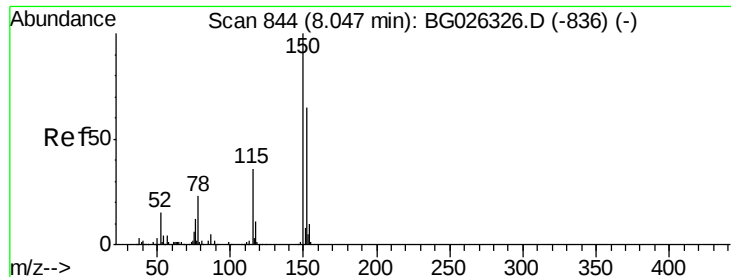
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

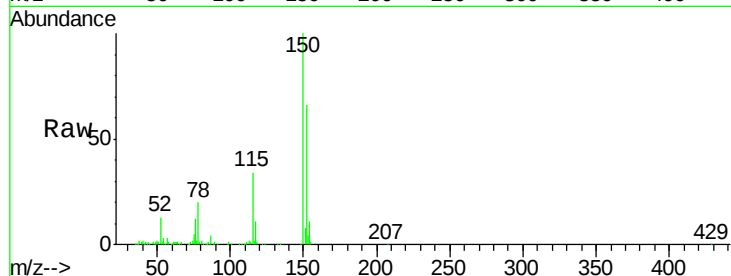
Tot Ion:152 Resp: 144901

Ion Ratio Lower Upper

152 100

150 152.2 114.0 171.0

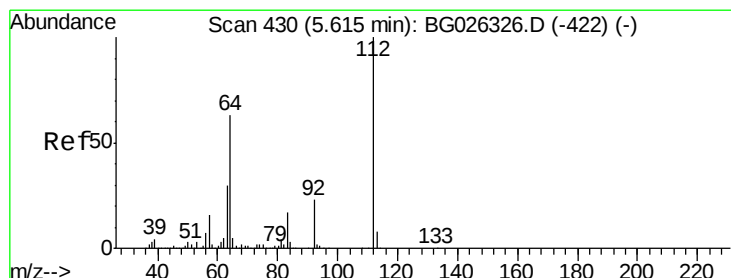
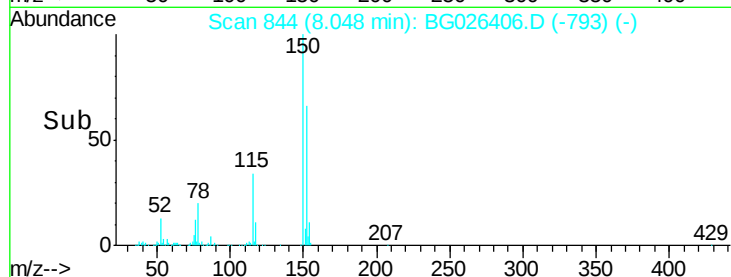
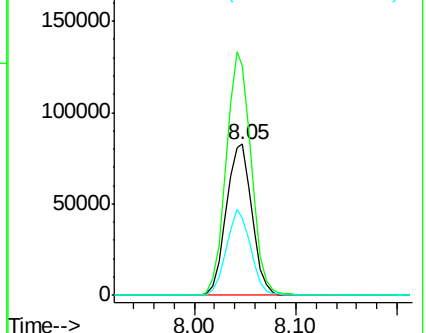
115 51.2 48.1 72.1



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: 134.33 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

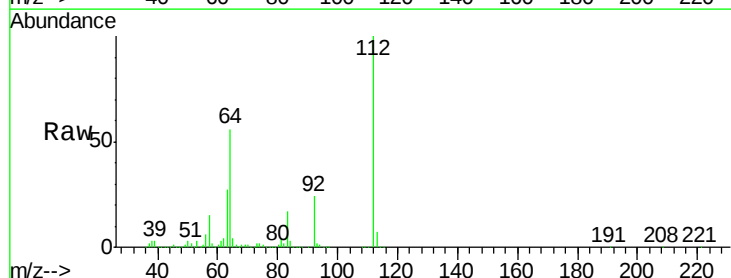
Tgt Ion:112 Resp: 1096684

Ion Ratio Lower Upper

112 100

64 55.9 61.8 92.6#

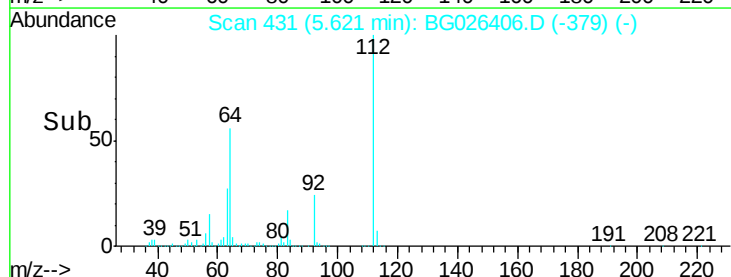
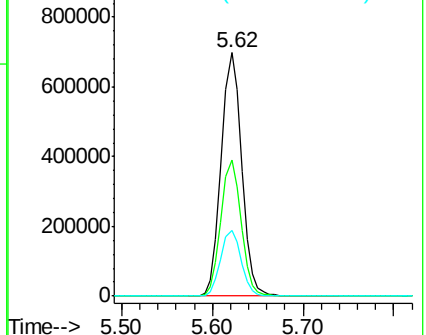
63 27.0 37.2 55.8#

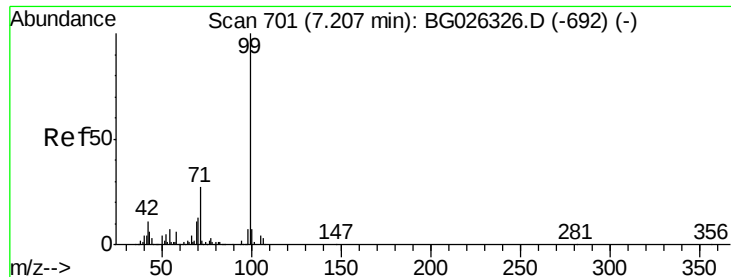


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.14 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

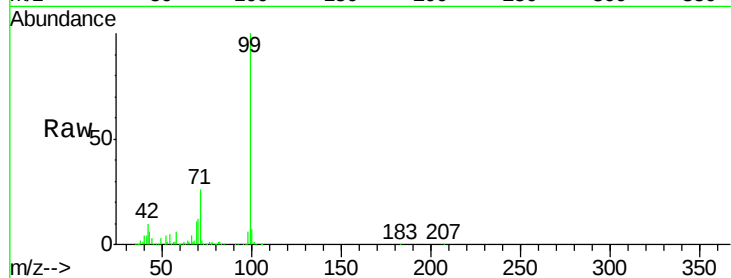
Tot Ion: 99 Resp: 1371561

Ion Ratio Lower Upper

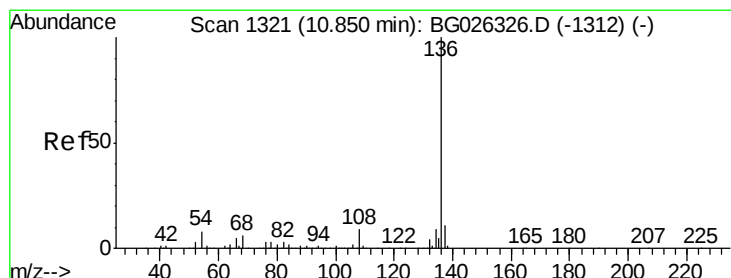
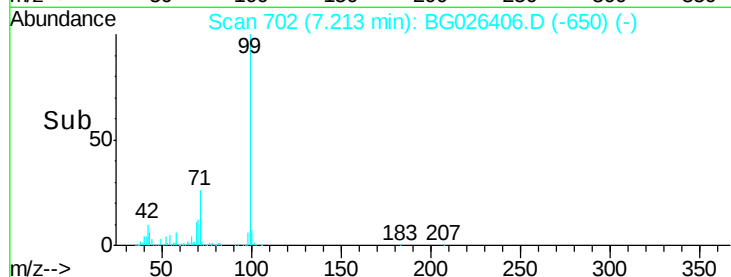
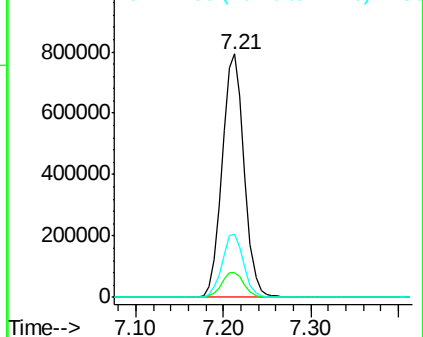
99 100

42 10.4 20.5 30.7#

71 26.1 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: 10.84 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Tgt Ion: 136 Resp: 588627

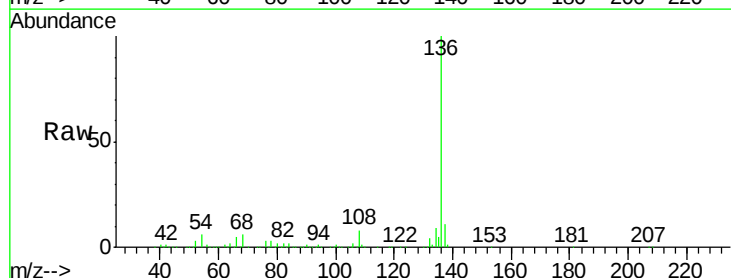
Ion Ratio Lower Upper

136 100

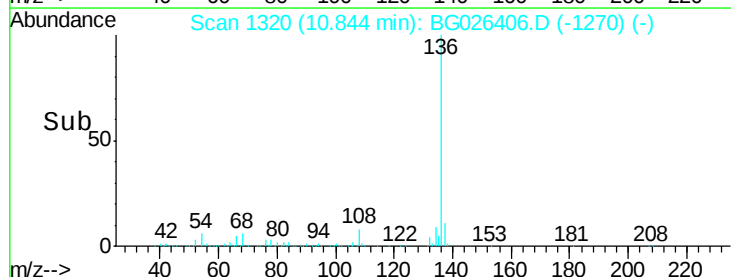
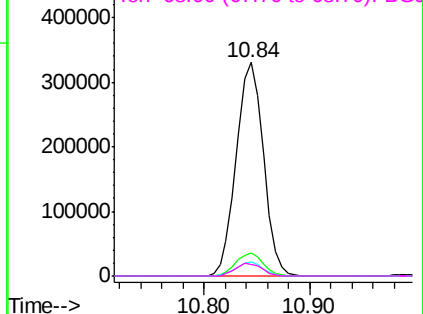
137 10.9 8.9 13.3

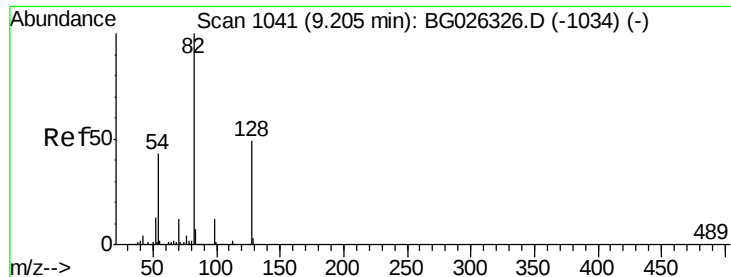
54 6.5 9.3 13.9#

68 5.6 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: 85.43 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

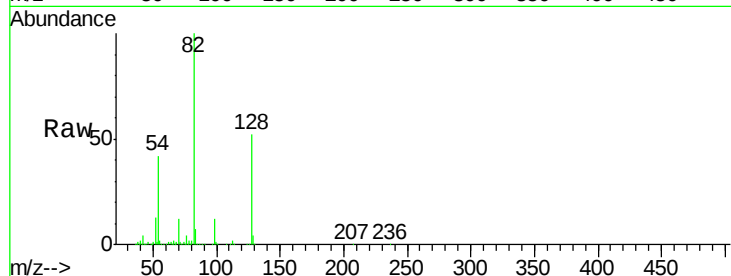
Tot Ion: 82 Resp: 836338

Ion Ratio Lower Upper

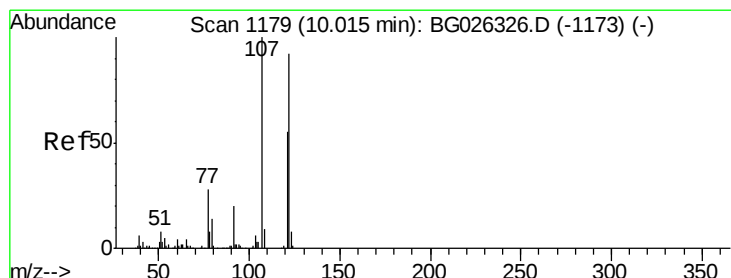
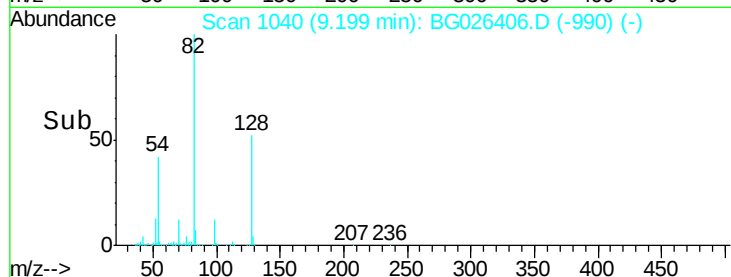
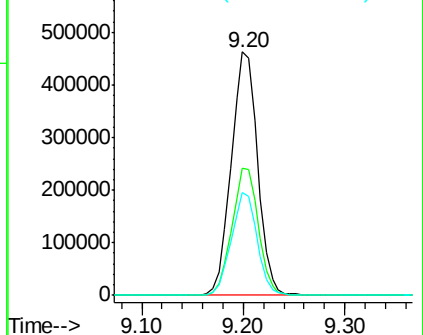
82 100

128 52.4 26.4 39.6#

54 42.2 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



#27

2,4-Dimethylphenol

Concen: 2.17 ng

RT: 10.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

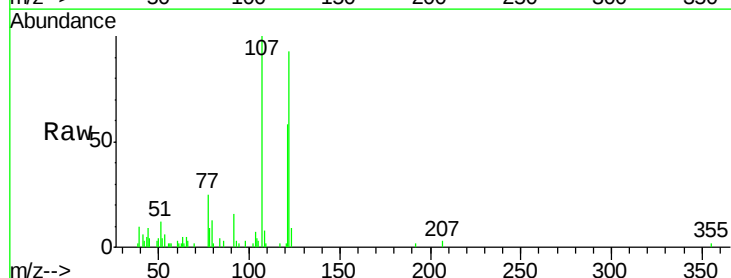
Tgt Ion: 122 Resp: 17900

Ion Ratio Lower Upper

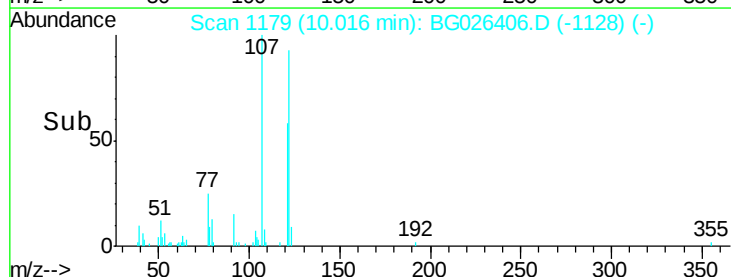
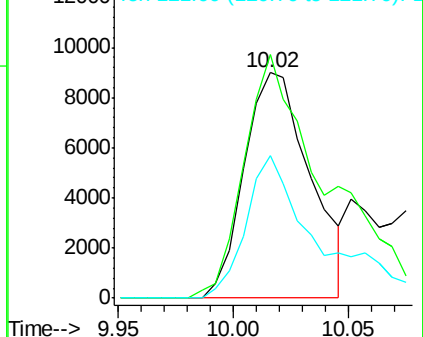
122 100

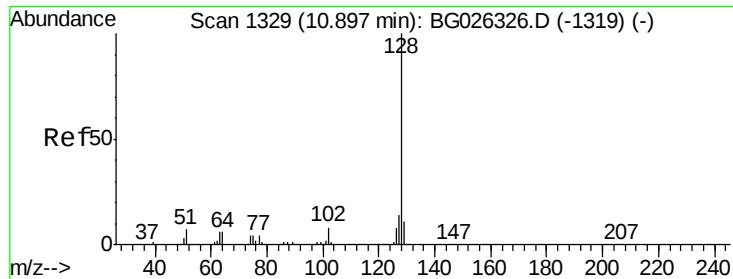
107 108.0 104.2 156.4

121 63.0 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC

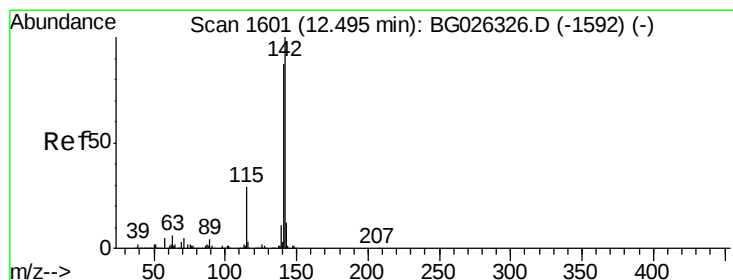
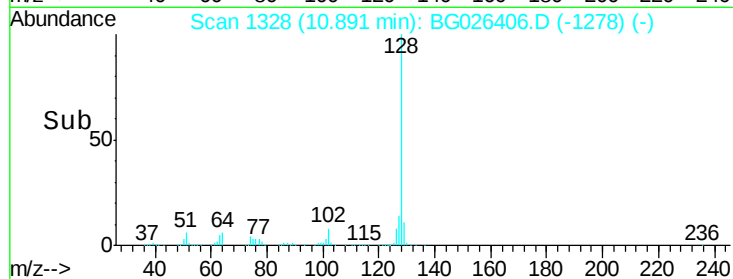
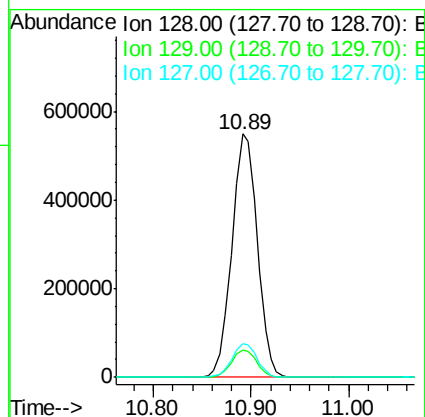
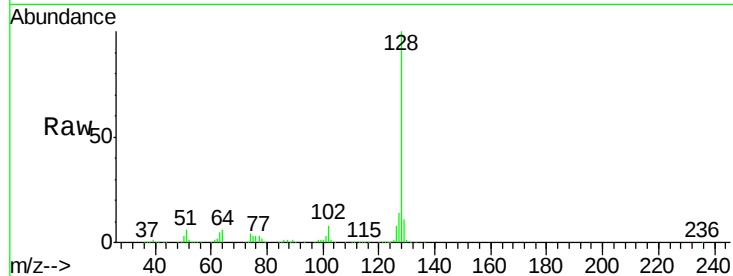




#31
Naphthalene
Concen: 33.34 ng
RT: 10.89 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

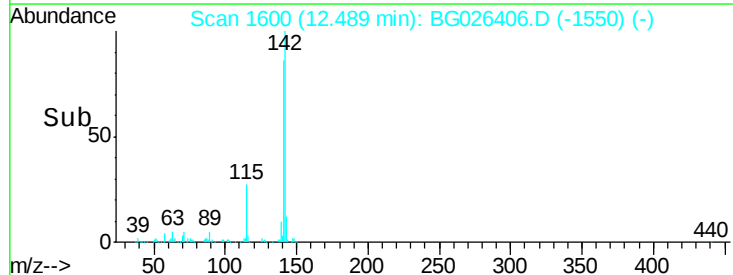
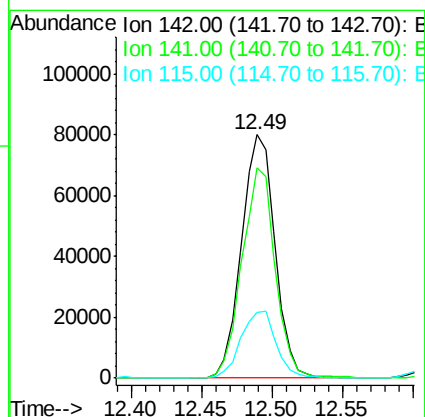
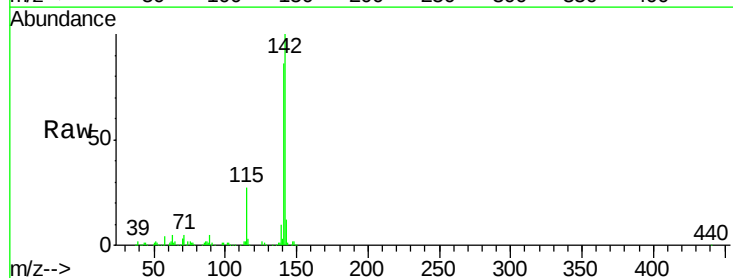
Instrument :
BNA_G
ClientSampleId :
WC-COMP-10

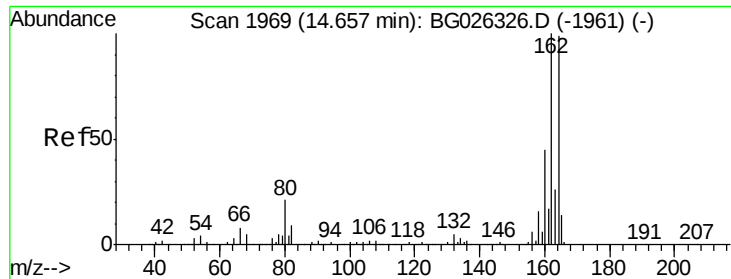
Tot Ion:128 Resp: 992119
Ion Ratio Lower Upper
128 100
129 11.3 9.3 13.9
127 13.8 11.4 17.0



#37
2-Methylnaphthalene
Concen: 6.10 ng
RT: 12.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

Tgt Ion:142 Resp: 132956
Ion Ratio Lower Upper
142 100
141 86.2 70.4 105.6
115 26.8 35.5 53.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

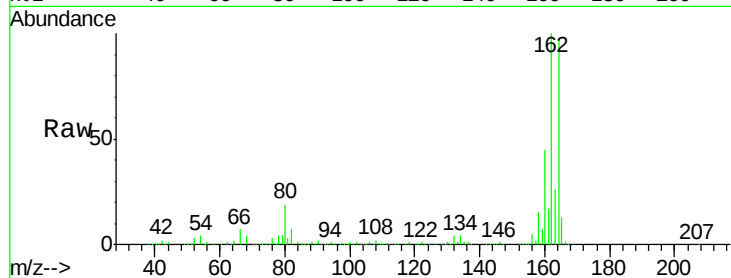
Tot Ion:164 Resp: 348263

Ion Ratio Lower Upper

164 100

162 103.5 85.1 127.7

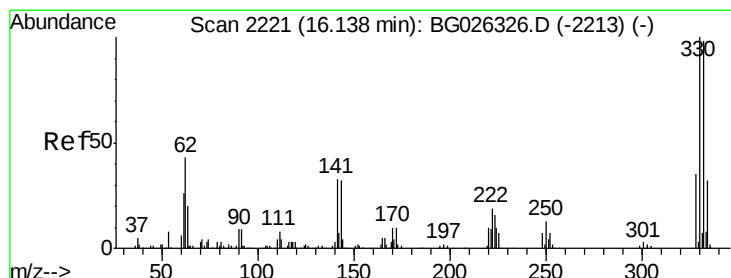
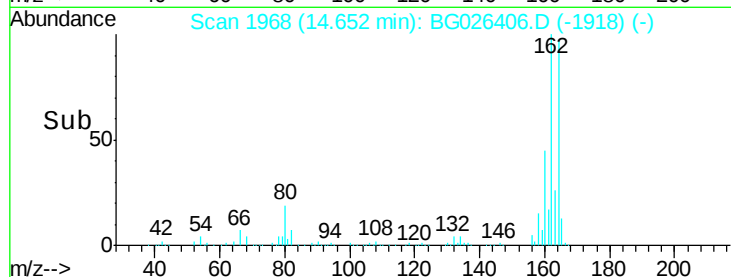
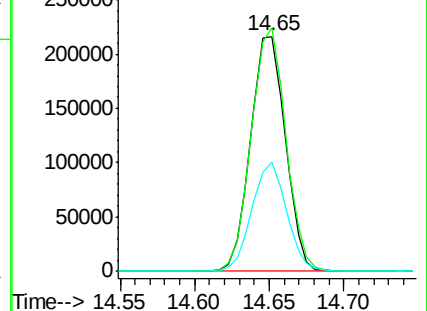
160 46.2 34.7 52.1



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: 171.06 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

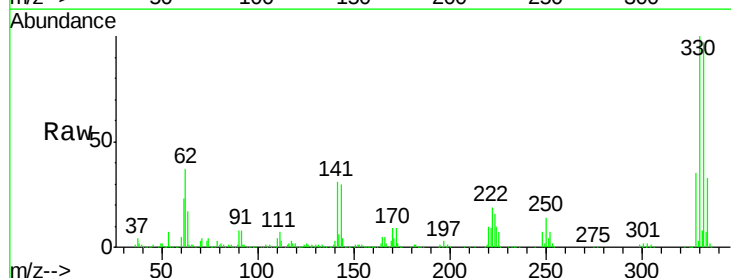
Tgt Ion:330 Resp: 682218

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

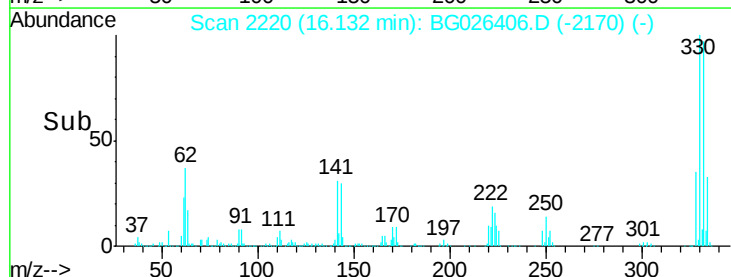
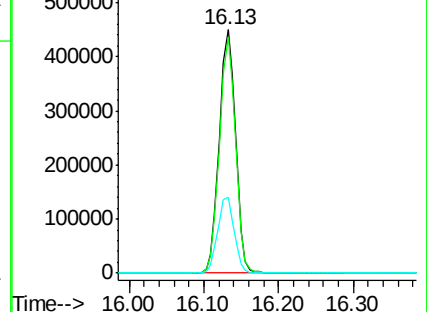
141 31.2 32.1 48.1#

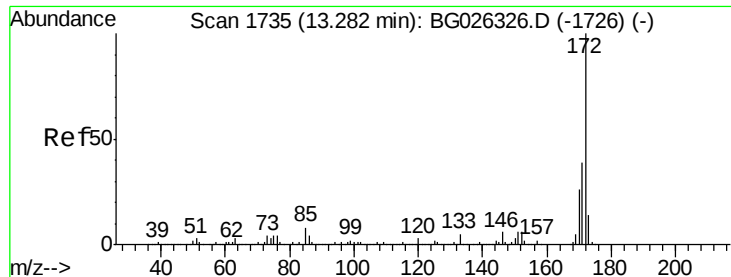


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

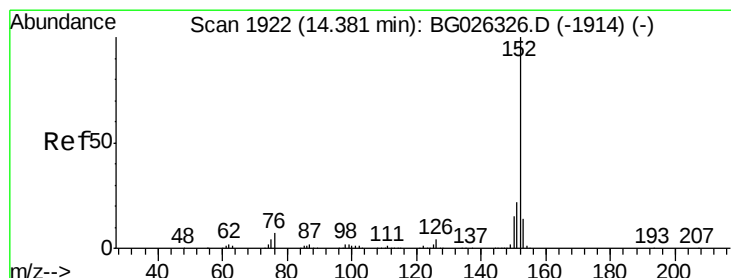
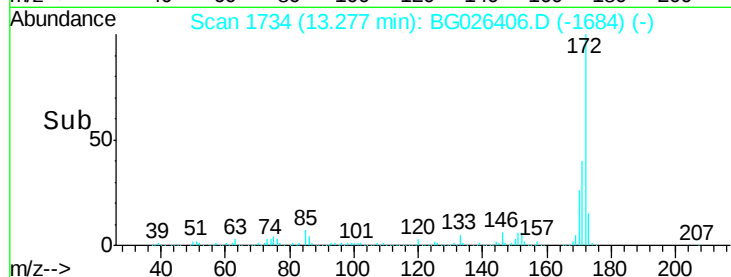
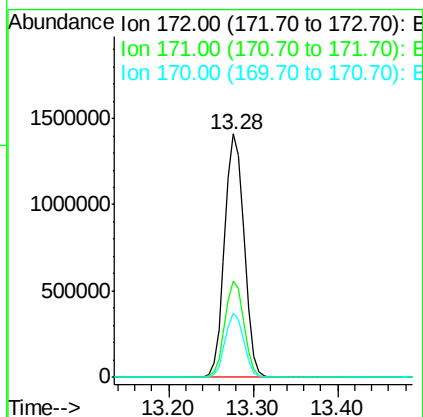
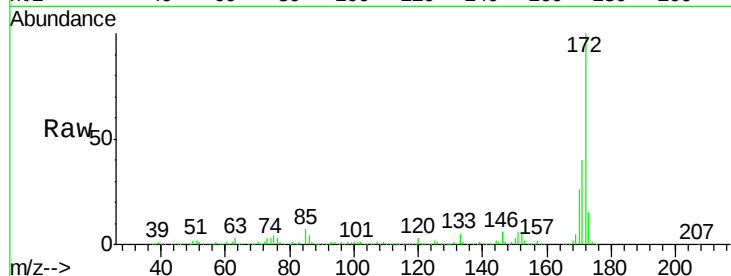




#44
2-Fluorobiphenyl
Concen: 90.17 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

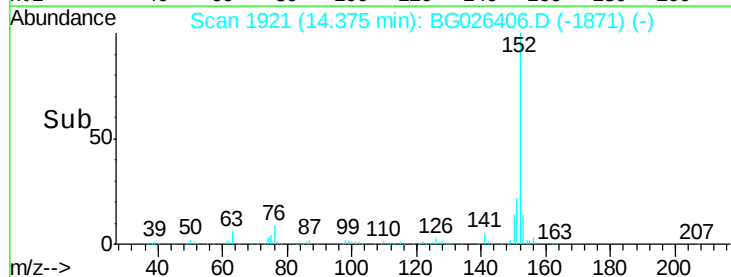
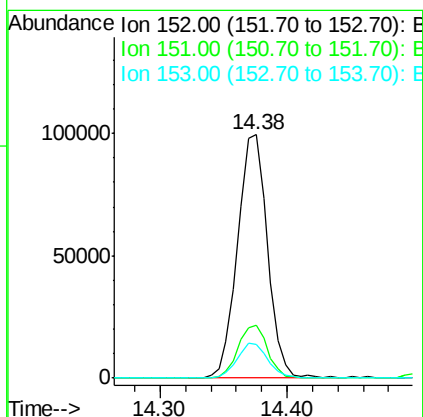
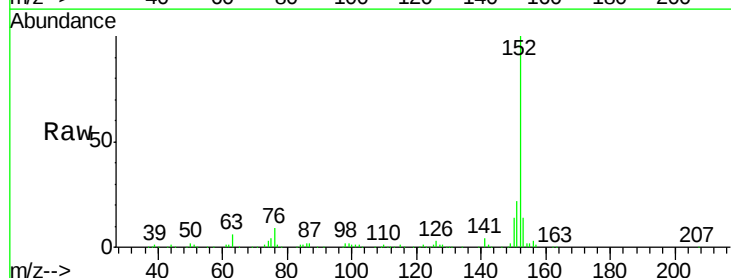
Instrument :
BNA_G
ClientSampleId :
WC-COMP-10

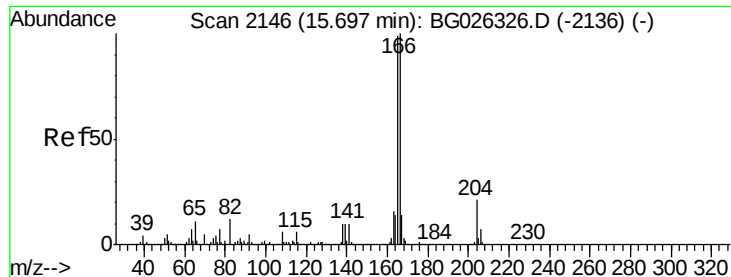
Tot Ion:172 Resp: 2239390
Ion Ratio Lower Upper
172 100
171 39.7 32.2 48.2
170 26.3 21.8 32.6



#48
Acenaphthylene
Concen: 4.44 ng
RT: 14.38 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

Tgt Ion:152 Resp: 162959
Ion Ratio Lower Upper
152 100
151 21.6 18.2 27.2
153 14.0 11.3 16.9





#57

Fluorene

Concen: 2.30 ng

RT: 15.69 min Scan# 2145

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

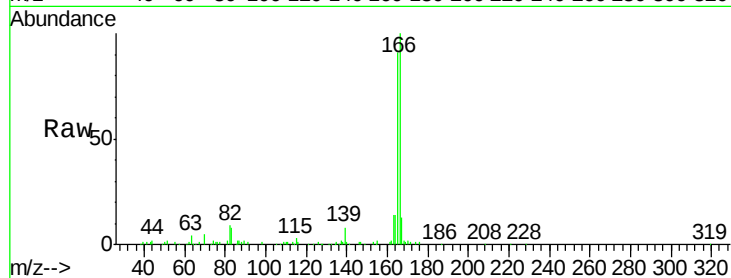
Tot Ion:166 Resp: 65170

Ion Ratio Lower Upper

166 100

165 90.8 78.6 117.8

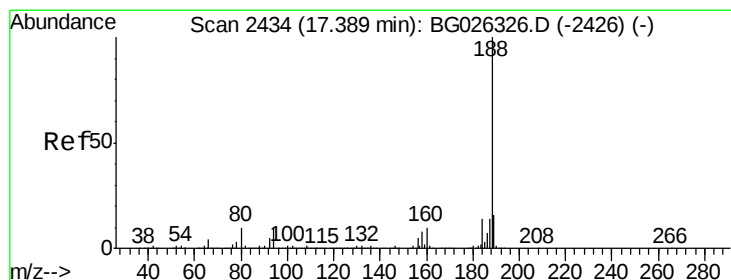
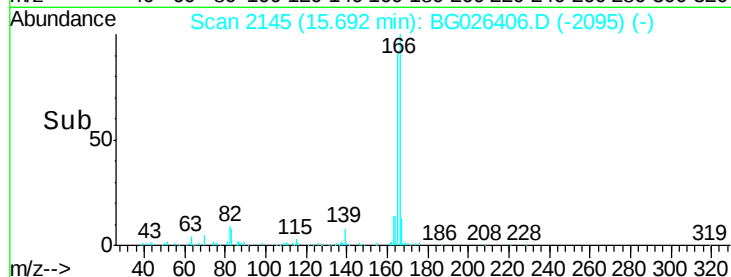
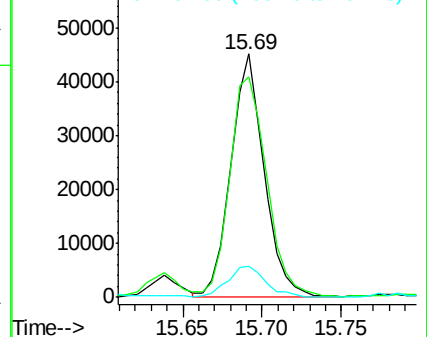
167 13.0 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

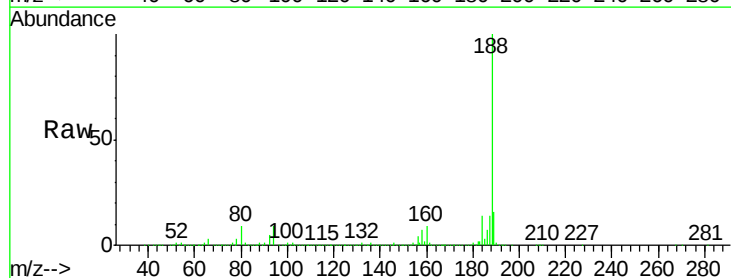
Tgt Ion:188 Resp: 832576

Ion Ratio Lower Upper

188 100

94 8.8 5.8 8.8#

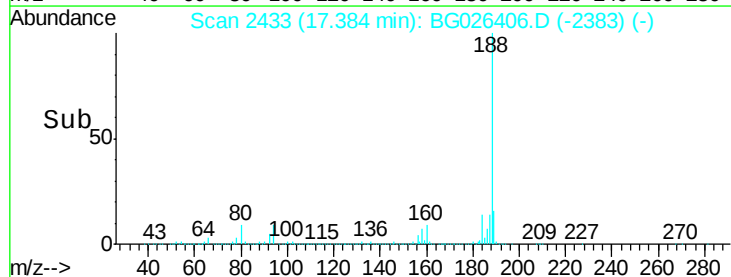
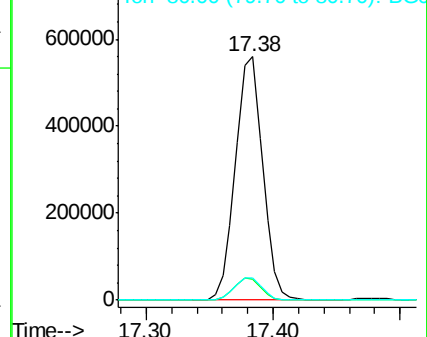
80 9.1 7.5 11.3

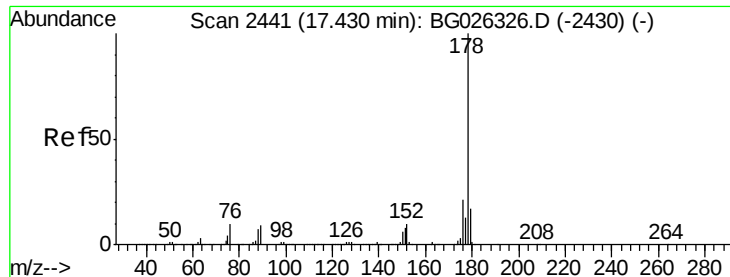


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

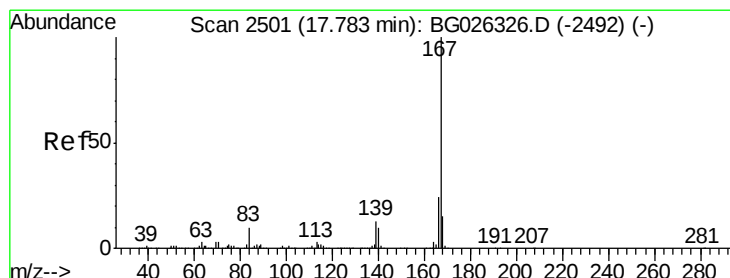
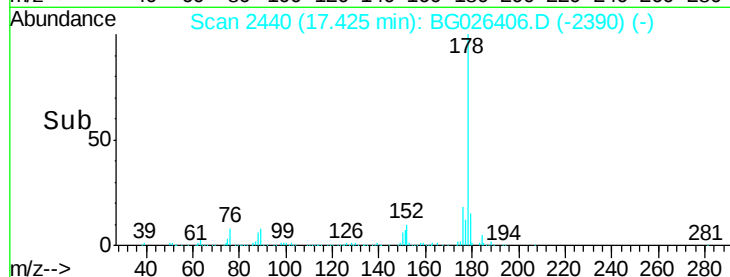
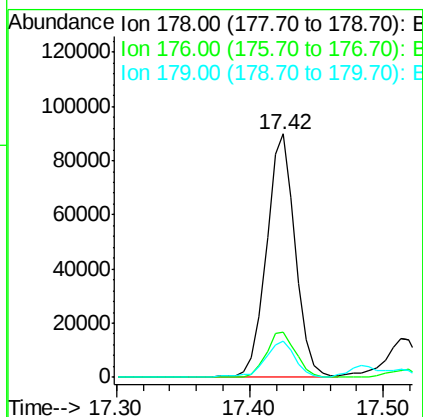
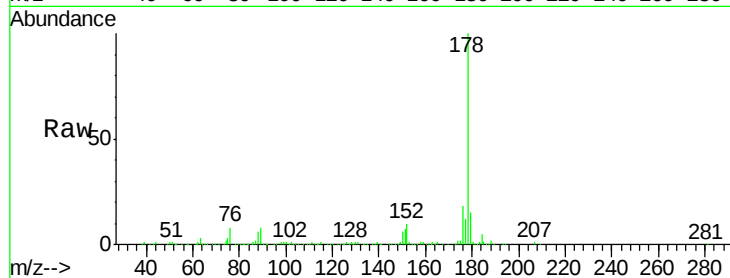




#70
Phenanthrene
Concen: 3.00 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

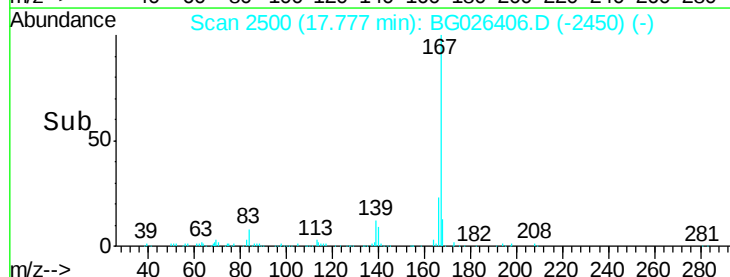
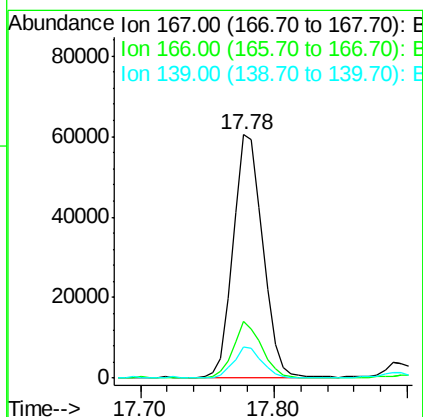
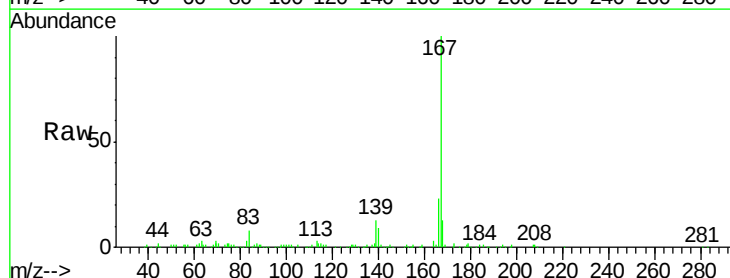
Instrument :
BNA_G
ClientSampleId :
WC-COMP-10

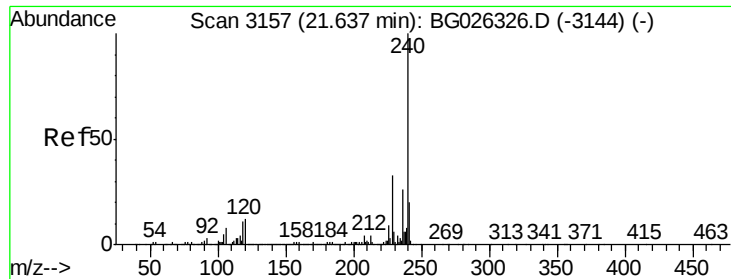
Tot Ion:178 Resp: 134114
Ion Ratio Lower Upper
178 100
176 18.4 17.7 26.5
179 15.0 15.0 22.6#



#72
Carbazole
Concen: 2.00 ng
RT: 17.78 min Scan# 2500
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

Tgt Ion:167 Resp: 94071
Ion Ratio Lower Upper
167 100
166 23.1 20.2 30.2
139 12.5 12.8 19.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

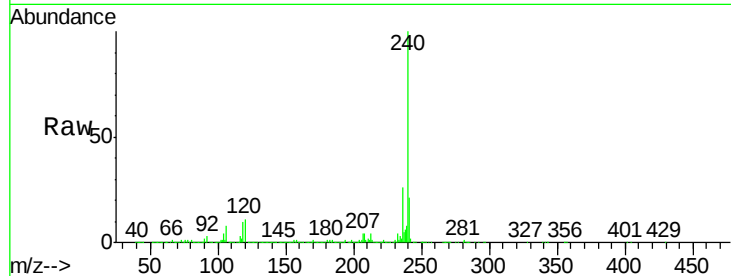
Tot Ion:240 Resp: 978847

Ion Ratio Lower Upper

240 100

120 11.2 5.7 8.5#

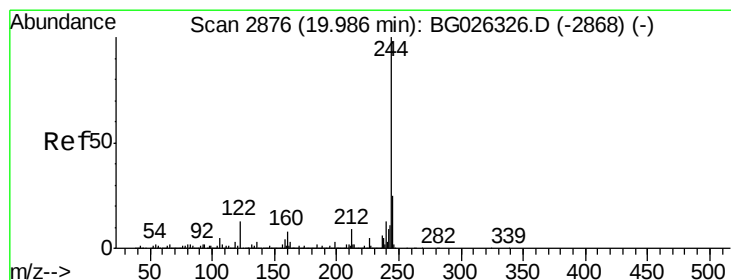
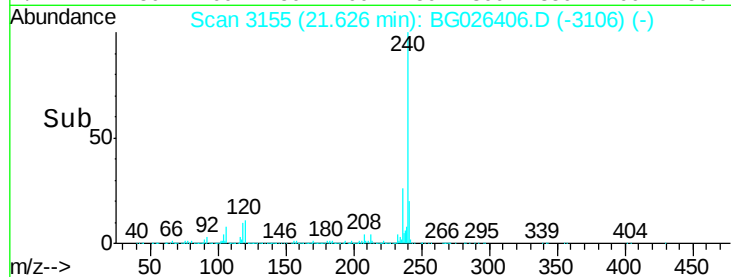
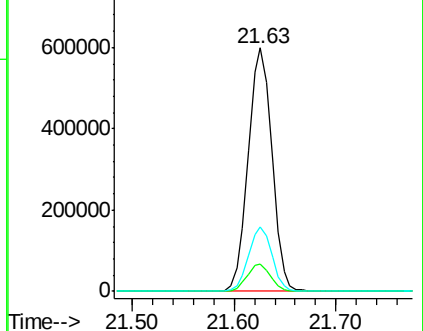
236 26.4 22.2 33.4



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: 72.13 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

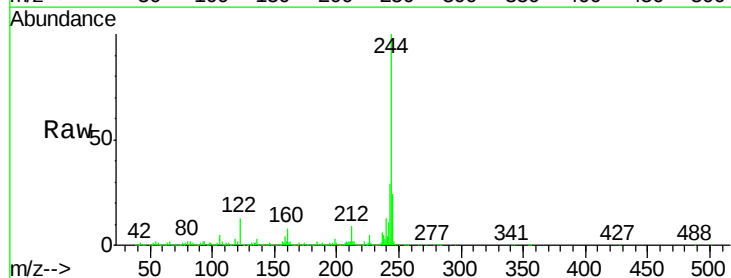
Tgt Ion:244 Resp: 2907165

Ion Ratio Lower Upper

244 100

212 8.9 10.0 15.0#

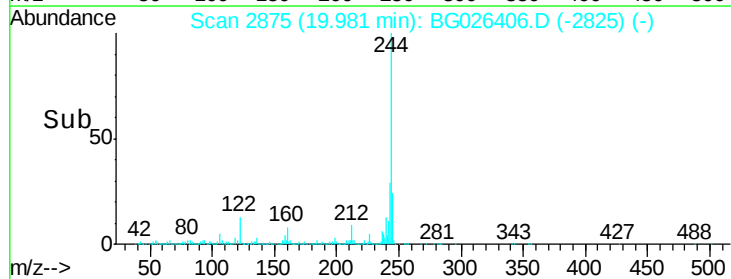
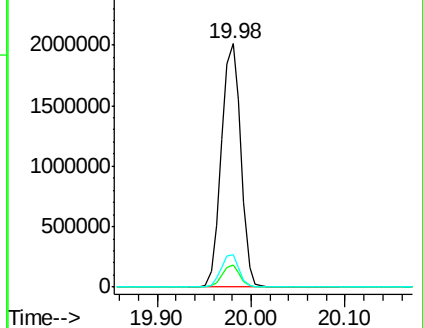
122 13.3 8.6 12.8#

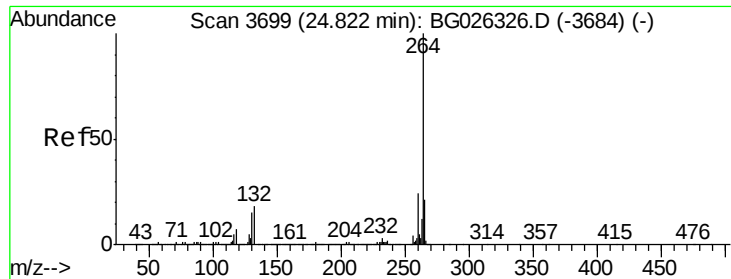


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

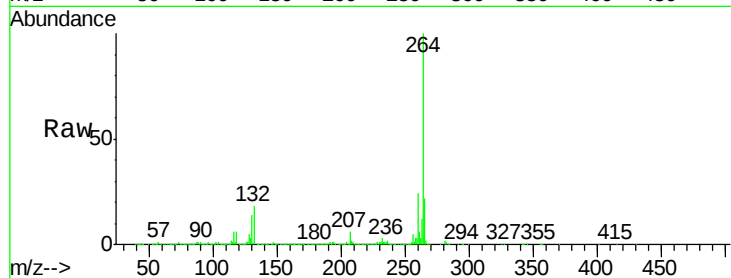




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.80 min Scan# 3696
 Delta R.T. -0.02 min
 Lab File: BG026406.D
 Acq: 23 Mar 2017 17:14

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	21.8	32.8
265	22.1	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

