

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 01:00:47 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

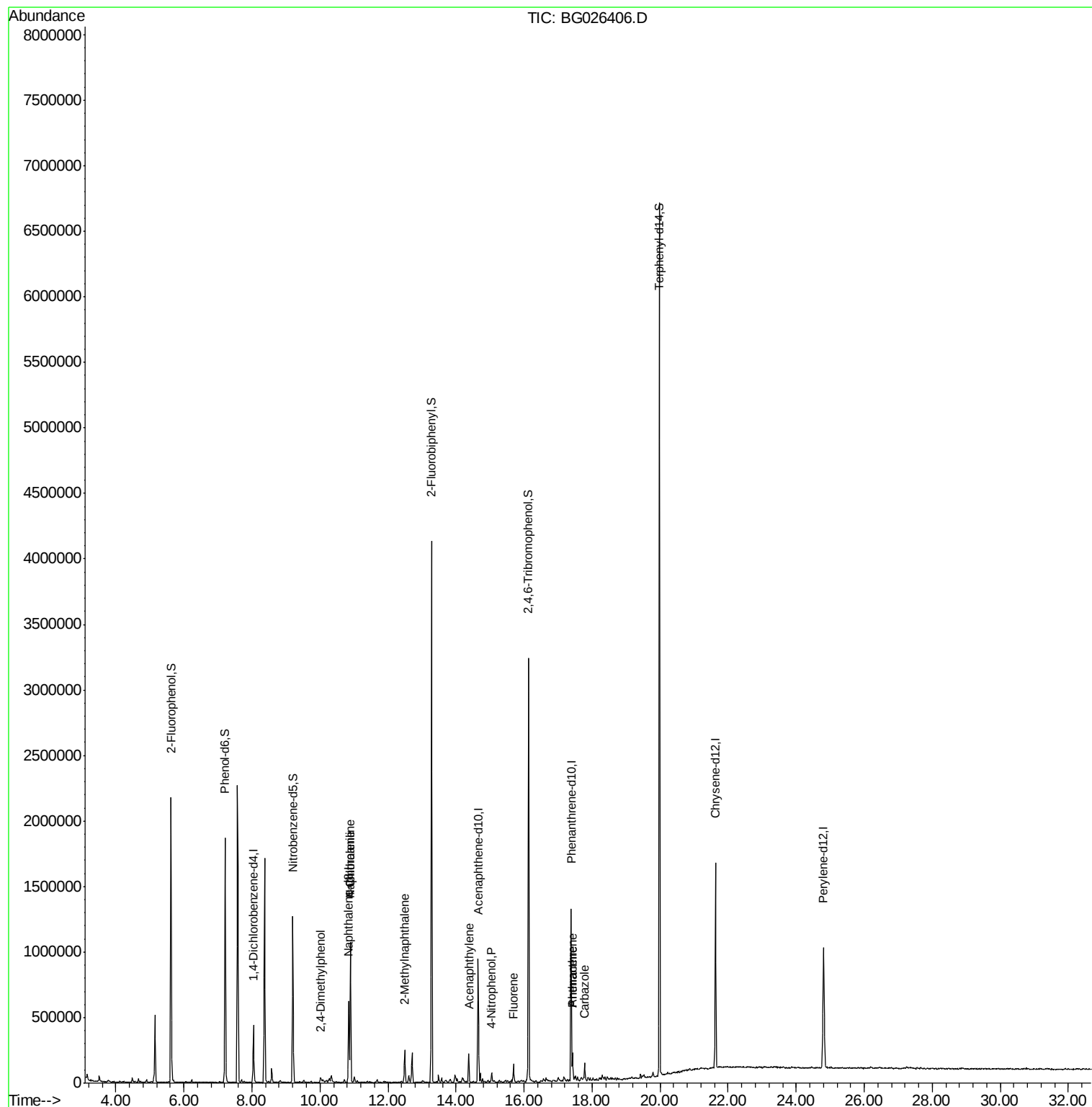
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	144901	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	588627	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	348263	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	832576	20.00	ng	0.00
75) Chrysene-d12	21.63	240	978847	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
33) 4-Chloroaniline	10.89	127	135239	11.17	ng	# 27
37) 2-Methylnaphthalene	12.49	142	132956	6.10	ng	# 90
48) Acenaphthylene	14.38	152	162959	4.44	ng	99
55) 4-Nitrophenol	15.05	139	13488	2.44	ng	# 1
57) Fluorene	15.69	166	65170	2.30	ng	93
70) Phenanthrene	17.42	178	134114	3.00	ng	# 92
71) Anthracene	17.42	178	134114	2.94	ng	95
72) Carbazole	17.78	167	94071	2.00	ng	# 94

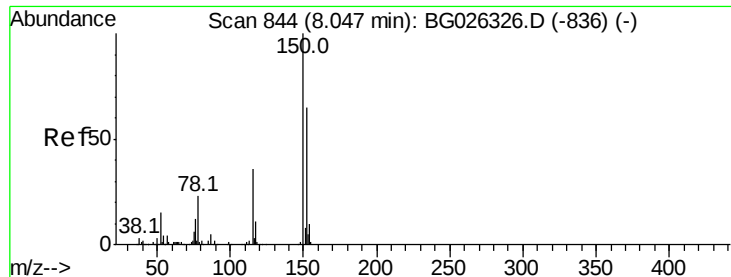
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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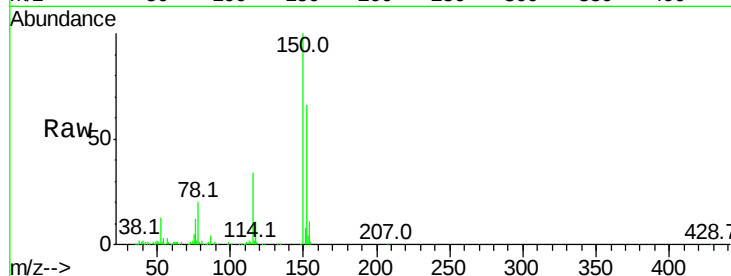


#1

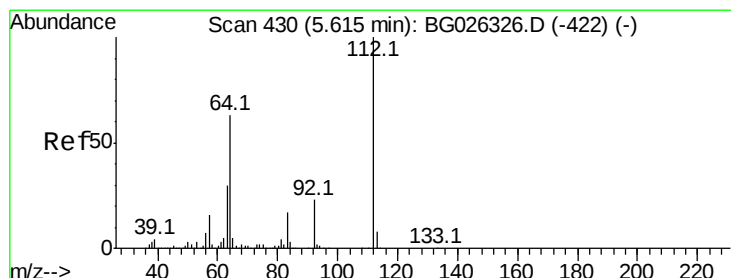
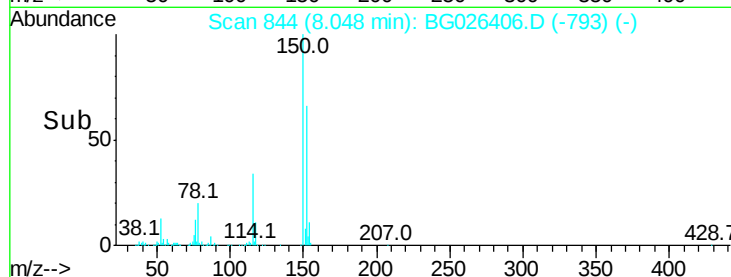
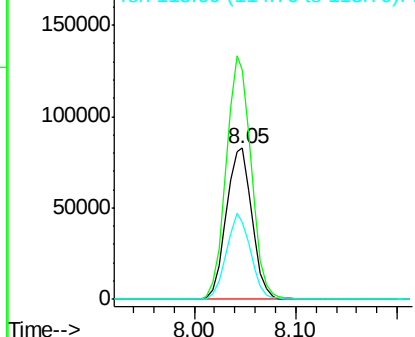
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

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



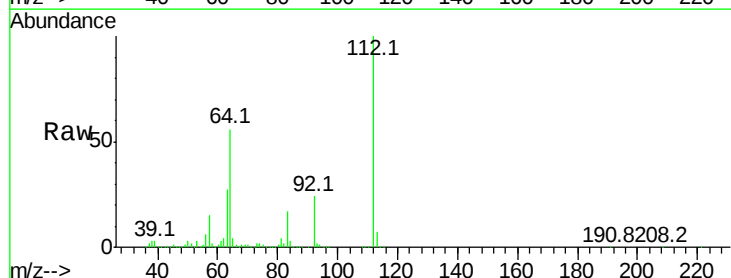
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



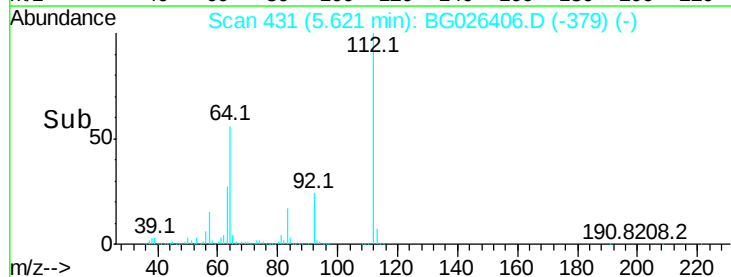
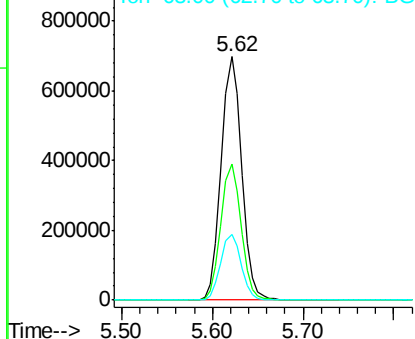
#5

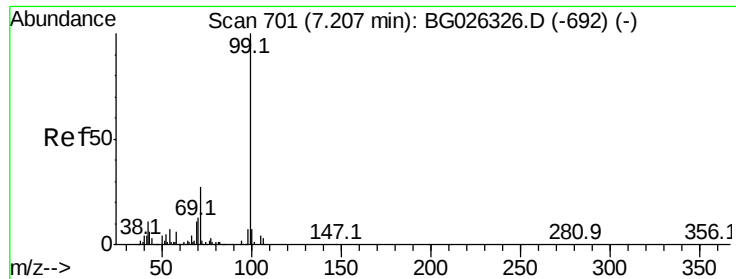
2-Fluorophenol
Concen: 134.33 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

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

ClientSampled :

WC-COMP-10

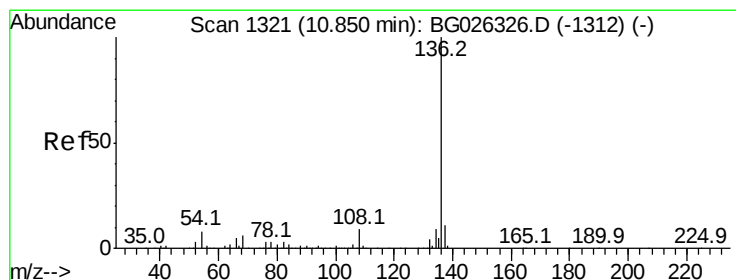
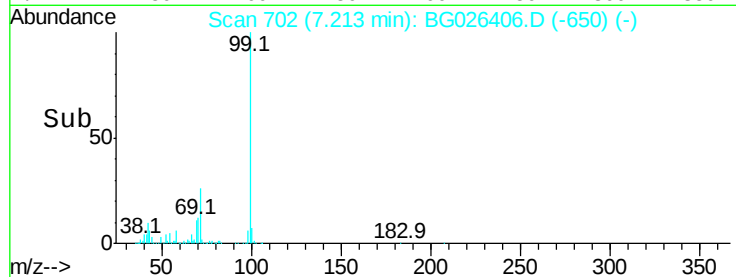
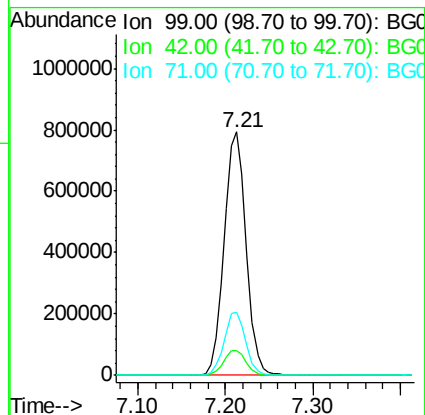
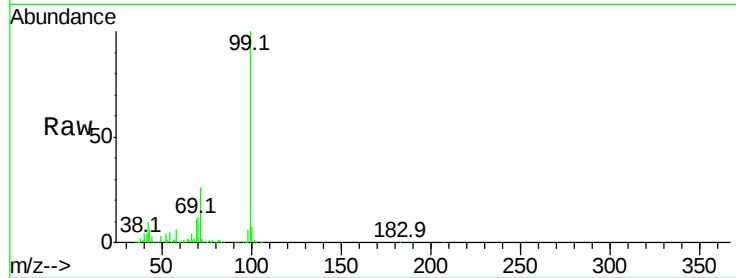
Tot Ion: 99 Resp: 1371561

Ion Ratio Lower Upper

99 100

42 10.4 20.5 30.7#

71 26.1 37.6 56.4#



#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

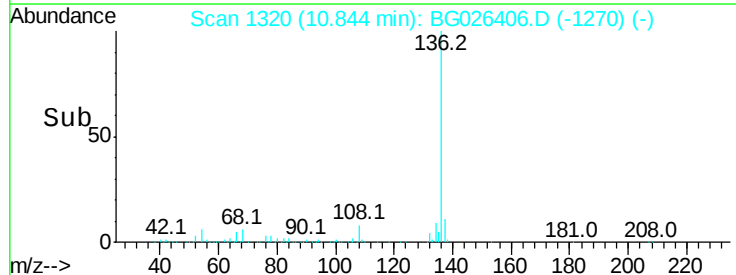
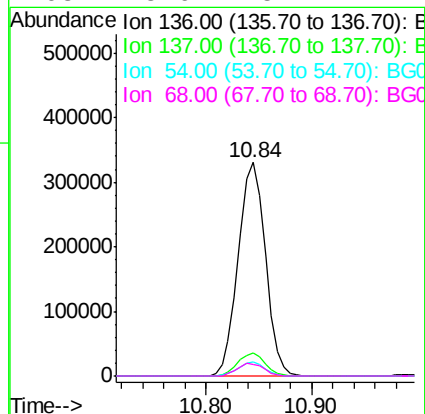
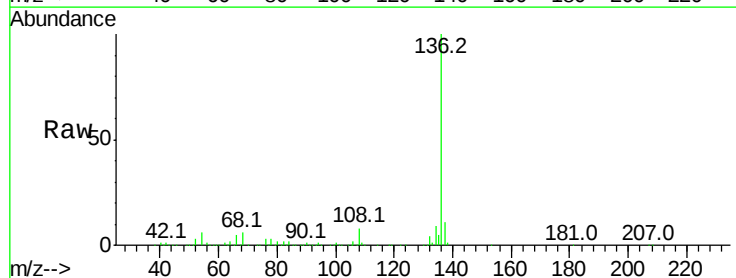
Ion Ratio Lower Upper

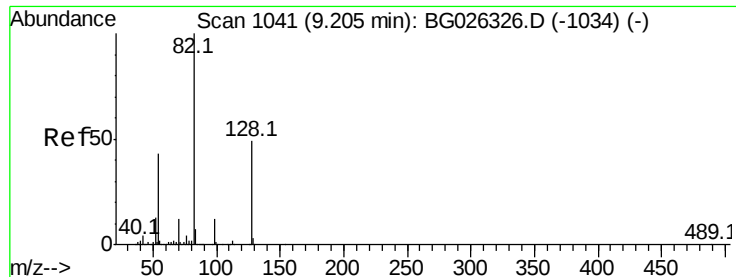
136 100

137 10.9 8.9 13.3

54 6.5 9.3 13.9#

68 5.6 5.1 7.7

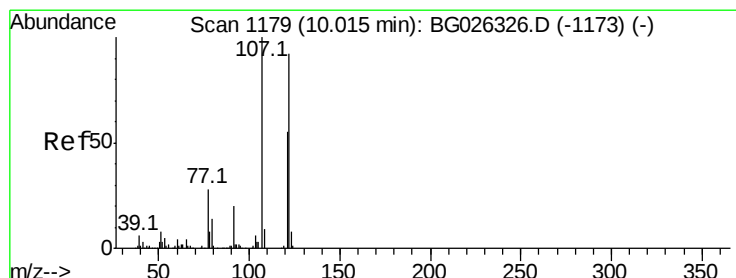
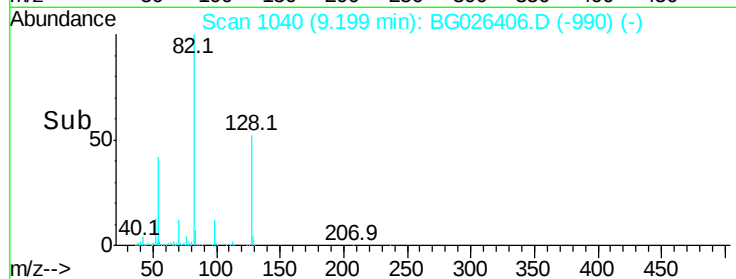
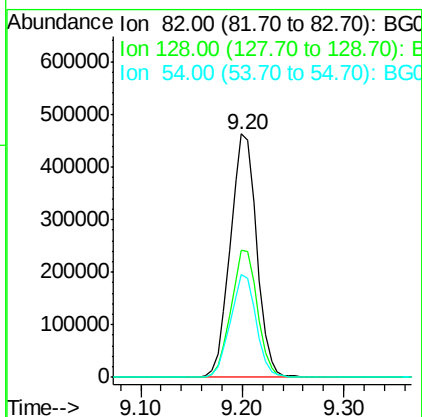
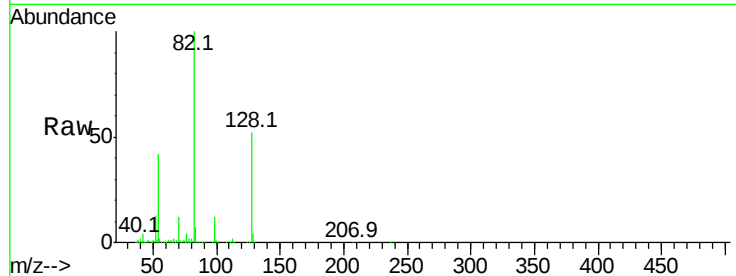




#23
 Nitrobenzene-d5
 Concen: 85.43 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG026406.D
 Acq: 23 Mar 2017 17:14

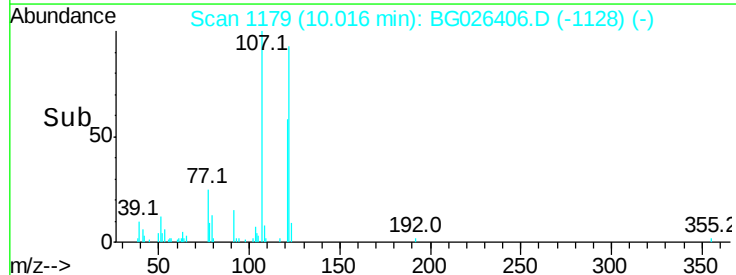
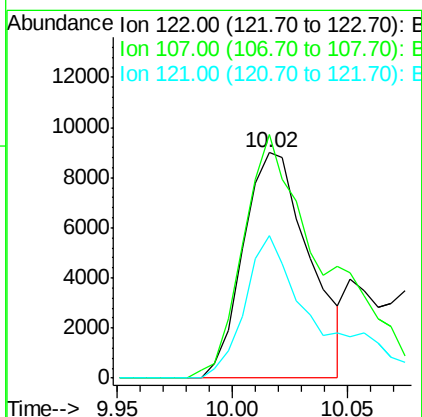
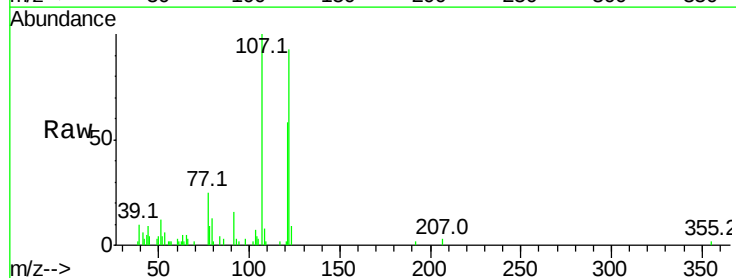
Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-10

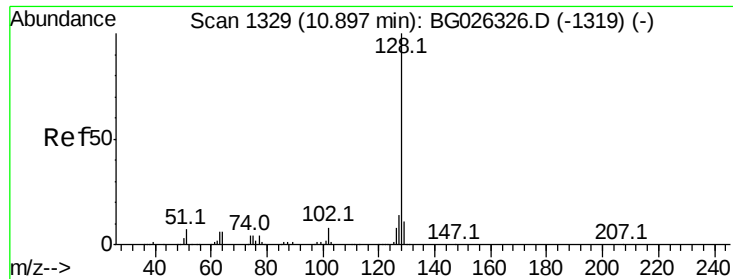
Tot Ion	82	Resp	836338
Ion Ratio	Lower	Upper	
82	100		
128	52.4	26.4	39.6#
54	42.2	49.4	74.2#



#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





#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

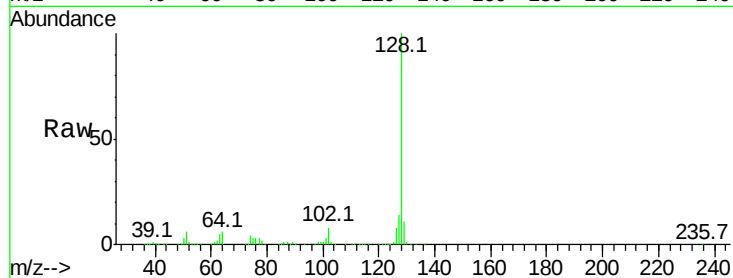
Tot Ion:128 Resp: 992119

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

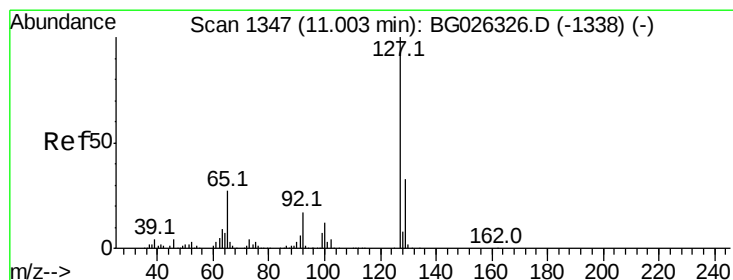
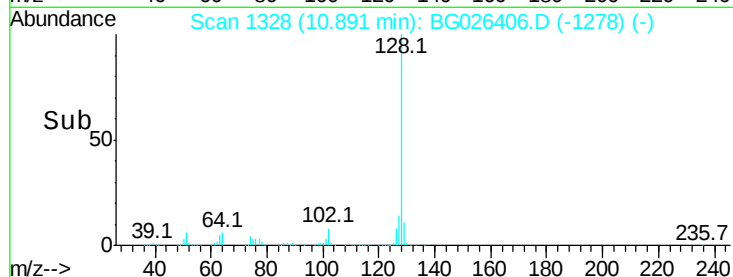
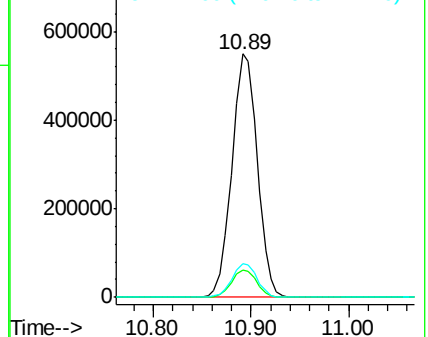
127 13.8 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 11.17 ng

RT: 10.89 min Scan# 1328

Delta R.T. -0.11 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

Tgt Ion:127 Resp: 135239

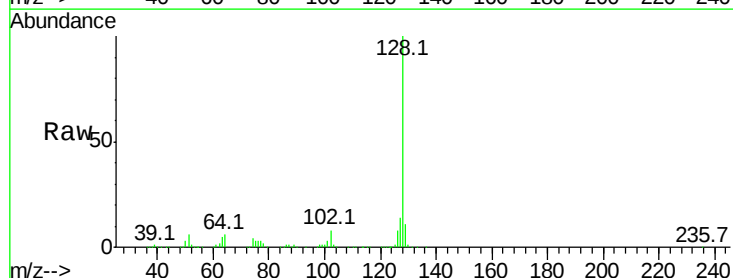
Ion Ratio Lower Upper

127 100

129 81.4 23.6 35.4#

65 0.0 37.7 56.5#

92 0.0 17.6 26.4#

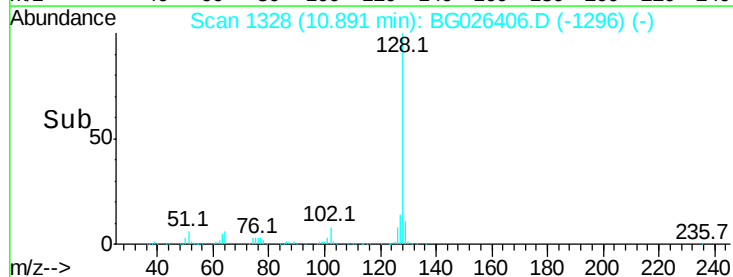
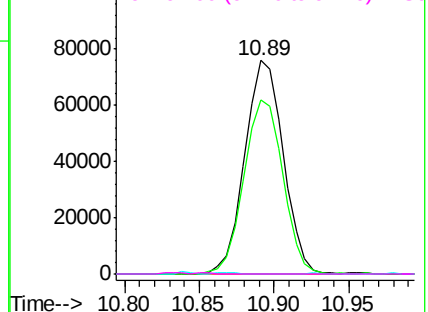


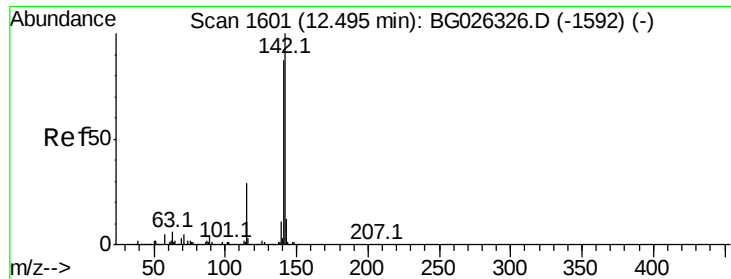
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

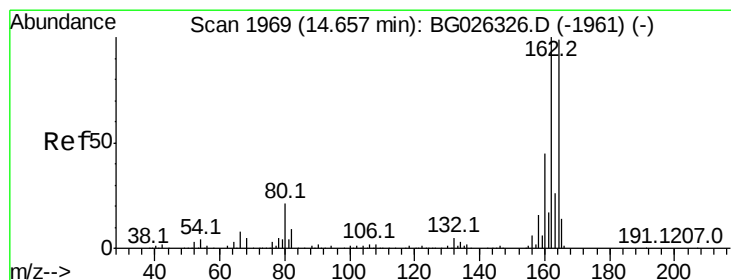
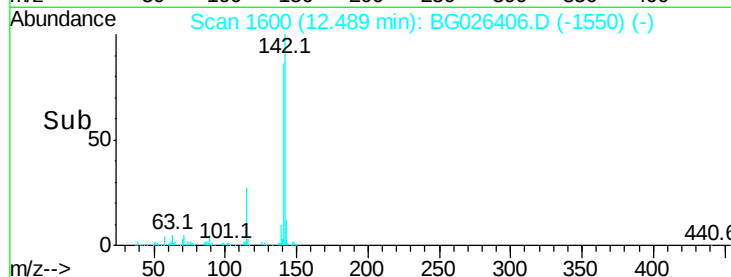
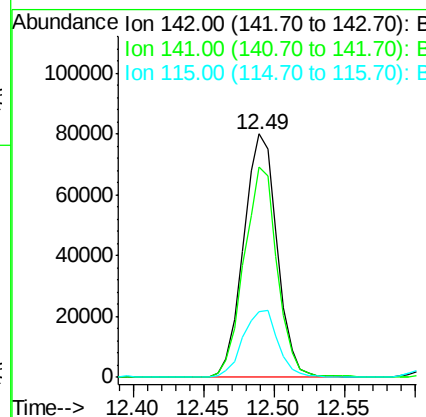
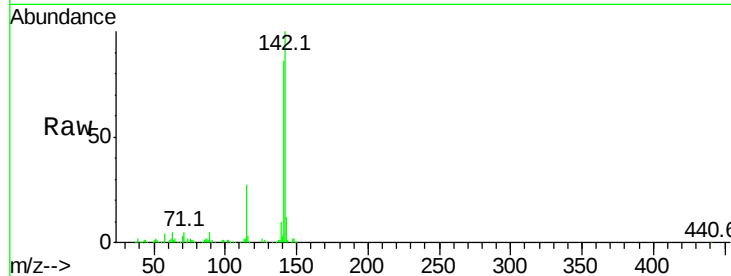




#37
2-Methylnaphthalene
Concen: 6.10 ng
RT: 12.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

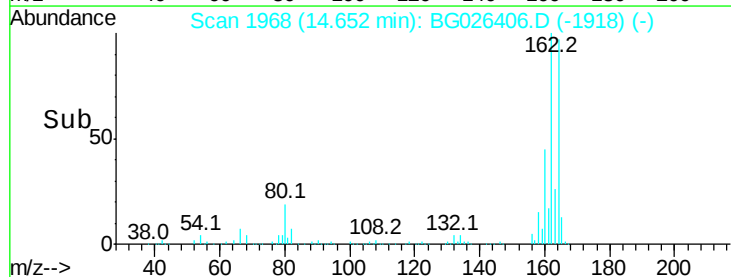
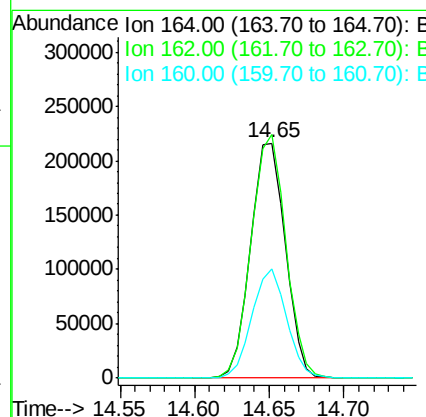
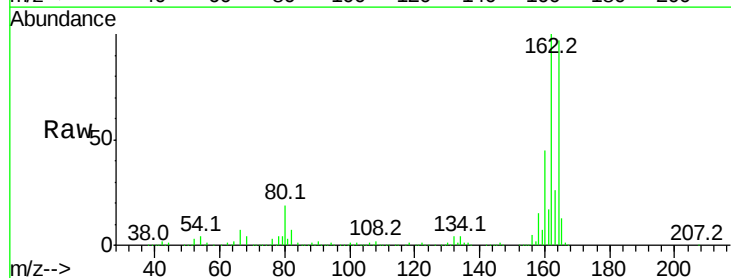
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BNA_G
ClientSampleId :
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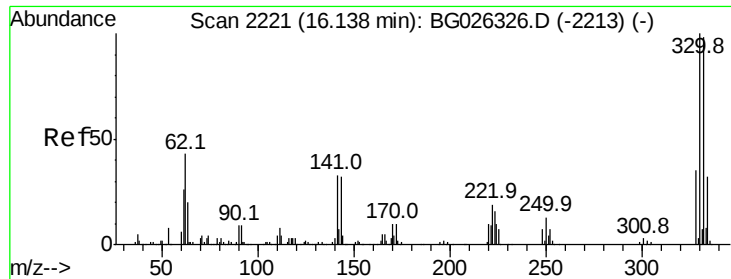
Tot Ion:142 Resp: 132956
Ion Ratio Lower Upper
142 100
141 86.2 70.4 105.6
115 26.8 35.5 53.3#



#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

Tgt Ion:164 Resp: 348263
Ion Ratio Lower Upper
164 100
162 103.5 85.1 127.7
160 46.2 34.7 52.1

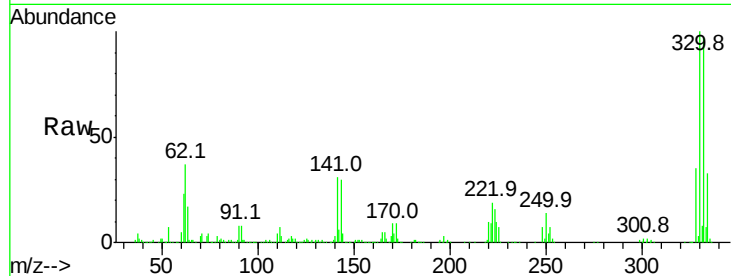




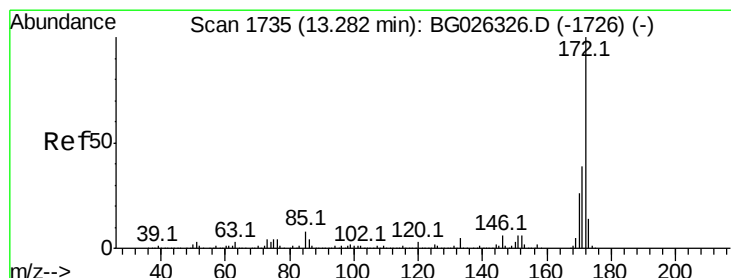
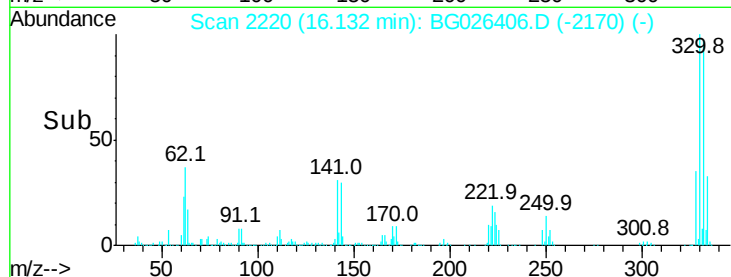
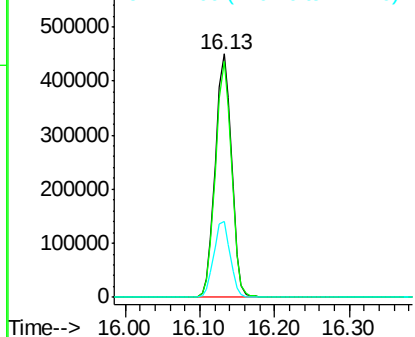
#41
 2,4,6-Tribromophenol
 Concen: 171.06 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG026406.D
 Acq: 23 Mar 2017 17:14

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-10

Tot Ion:330 Resp: 682218
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.3 115.9
 141 31.2 32.1 48.1#

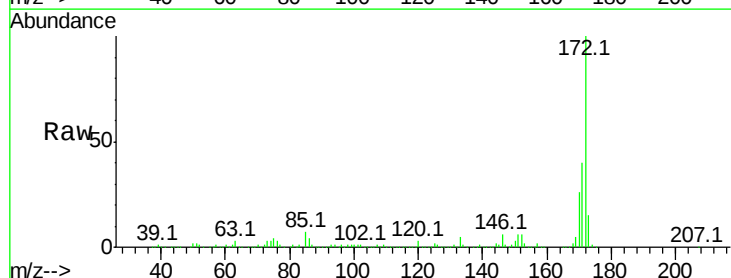


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

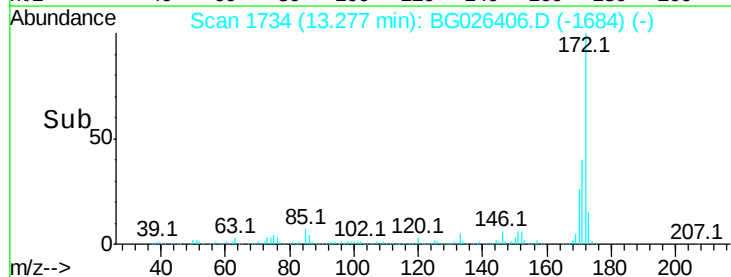
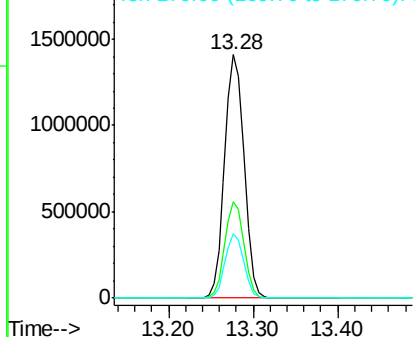


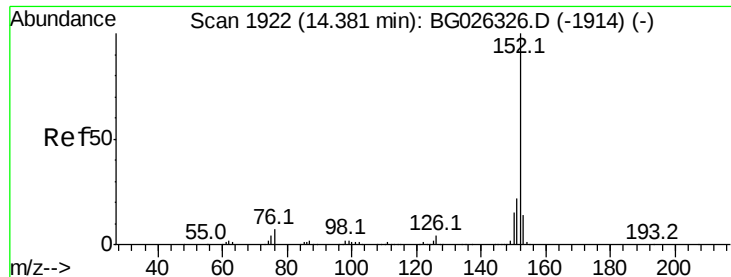
#44
 2-Fluorobiphenyl
 Concen: 90.17 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG026406.D
 Acq: 23 Mar 2017 17:14

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



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

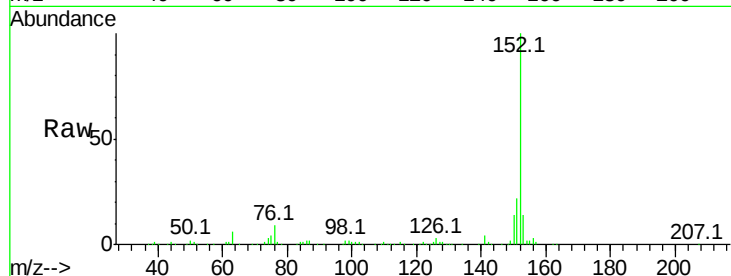




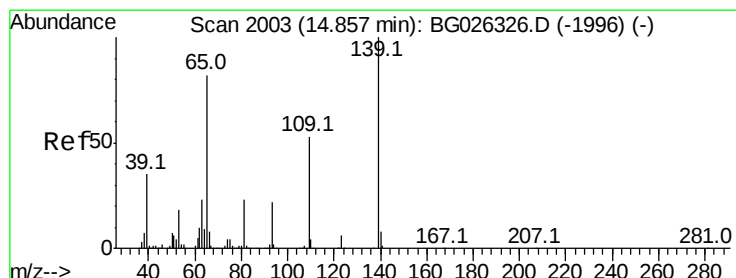
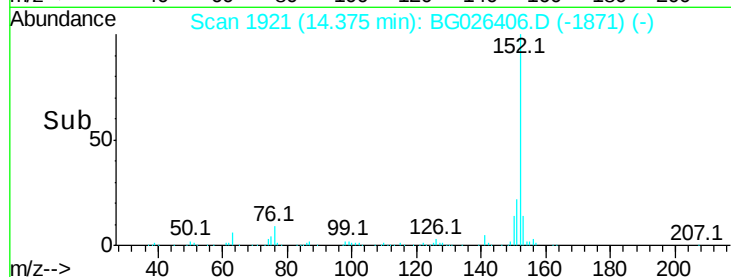
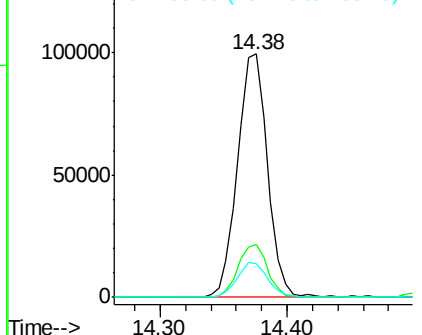
#48
Acenaphthylene
Concen: 4.44 ng
RT: 14.38 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

Instrument :
BNA_G
ClientSampleId :
WC-COMP-10

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.6	18.2	27.2
153	14.0	11.3	16.9

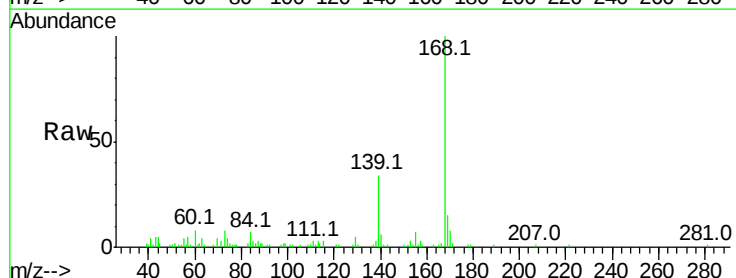


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

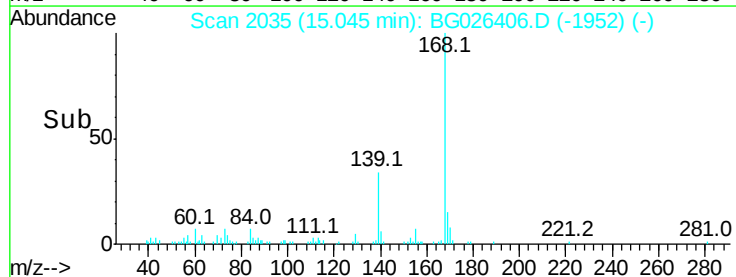
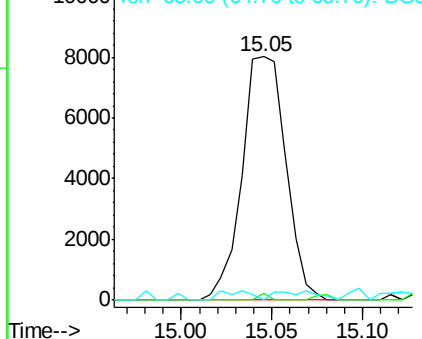


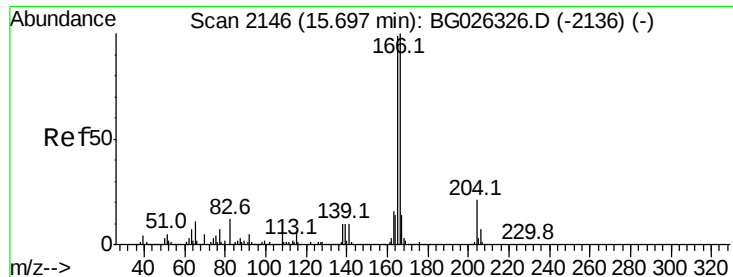
#55
4-Nitrophenol
Concen: 2.44 ng
RT: 15.05 min Scan# 2035
Delta R.T. 0.19 min
Lab File: BG026406.D
Acq: 23 Mar 2017 17:14

Tgt Ion	Ratio	Lower	Upper
139	100		
109	2.9	101.2	141.2#
65	0.0	135.3	175.3#



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): BGO





#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

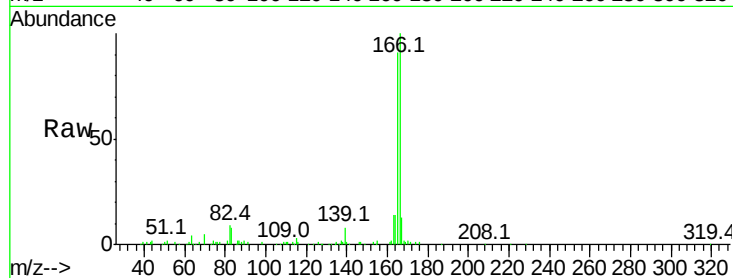
Tot Ion:166 Resp: 65170

Ion Ratio Lower Upper

166 100

165 90.8 78.6 117.8

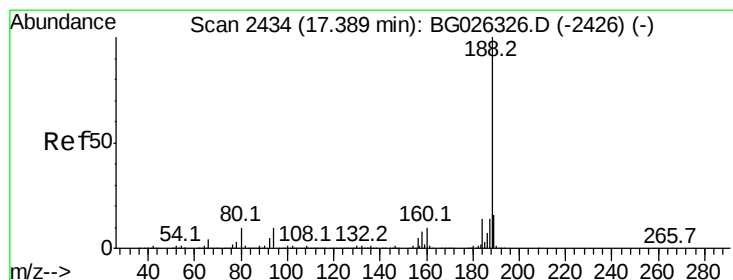
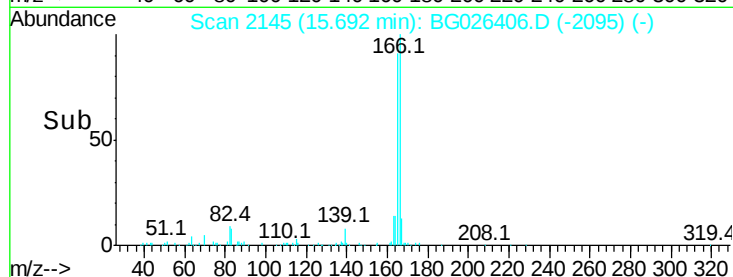
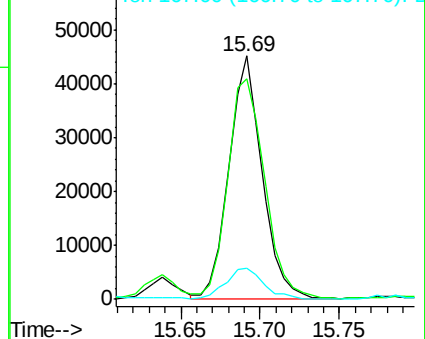
167 13.0 11.6 17.4



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

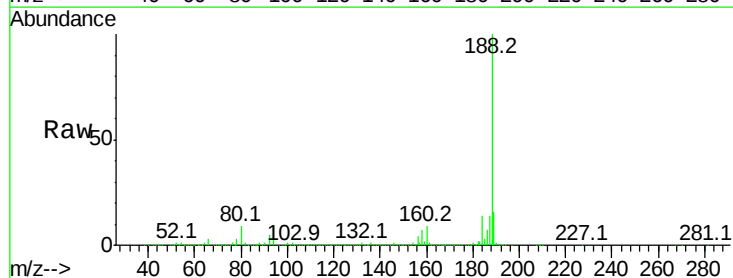
Tgt Ion:188 Resp: 832576

Ion Ratio Lower Upper

188 100

94 8.8 5.8 8.8#

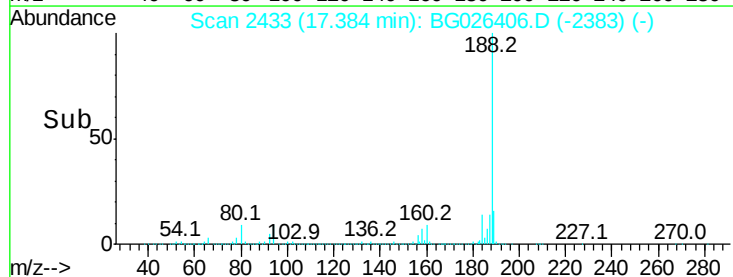
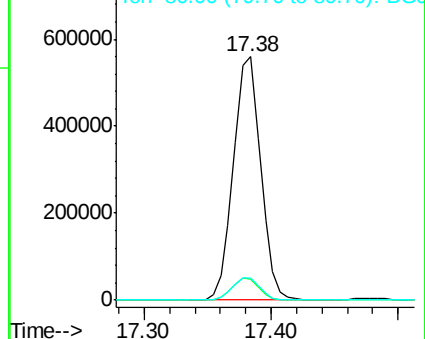
80 9.1 7.5 11.3

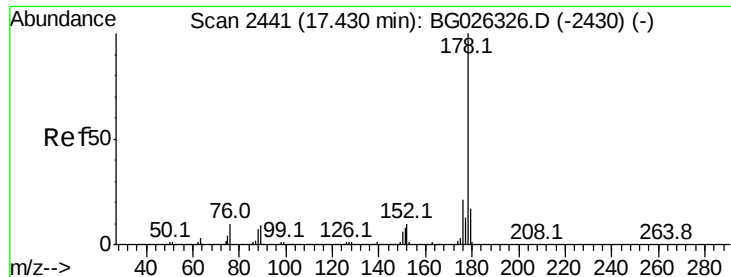


Abundance Ion 188.00 (187.70 to 188.70): E

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

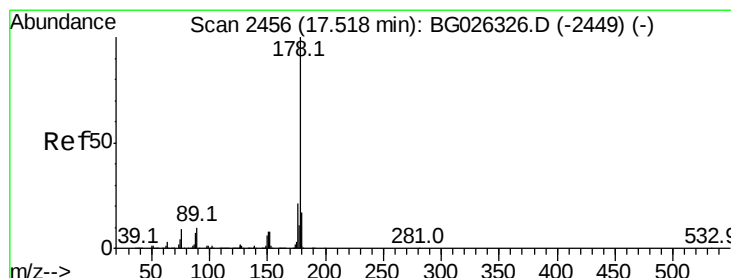
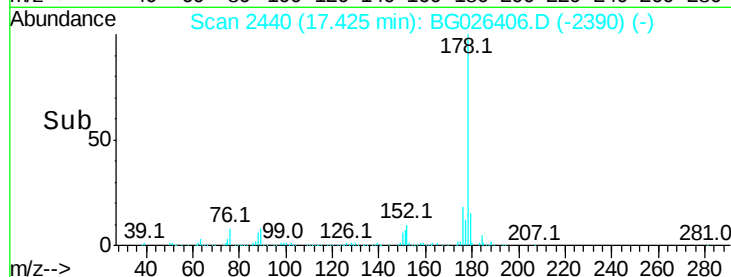
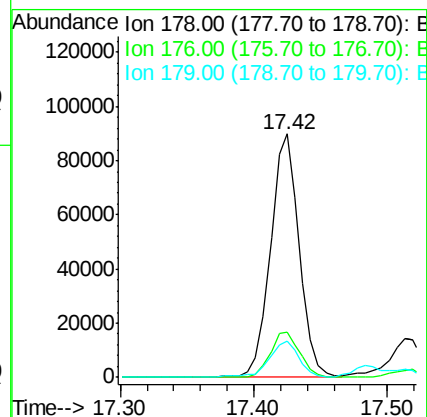
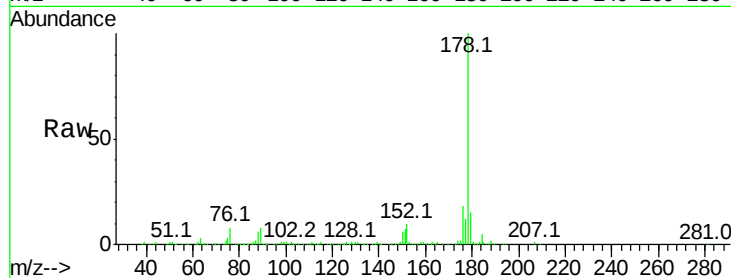
Tot Ion:178 Resp: 134114

Ion Ratio Lower Upper

178 100

176 18.4 17.7 26.5

179 15.0 15.0 22.6#



#71

Anthracene

Concen: 2.94 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.09 min

Lab File: BG026406.D

Acq: 23 Mar 2017 17:14

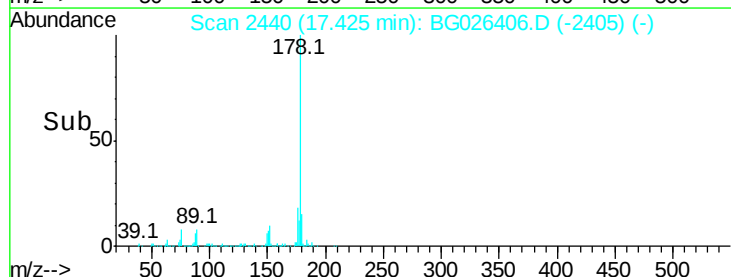
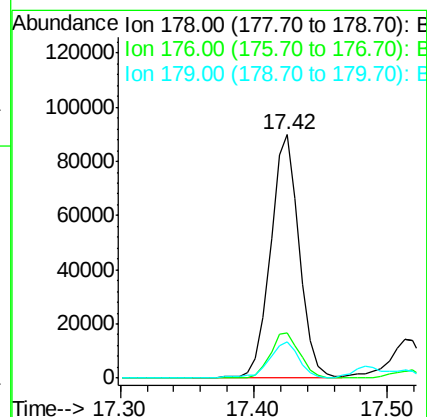
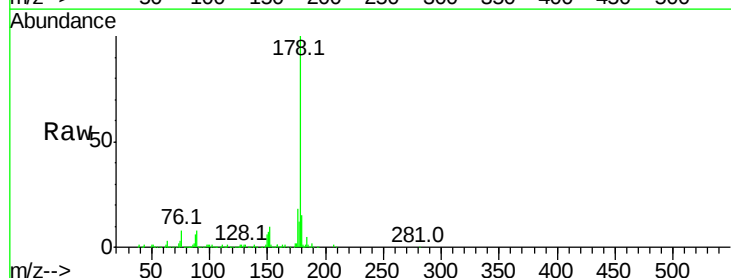
Tgt Ion:178 Resp: 134114

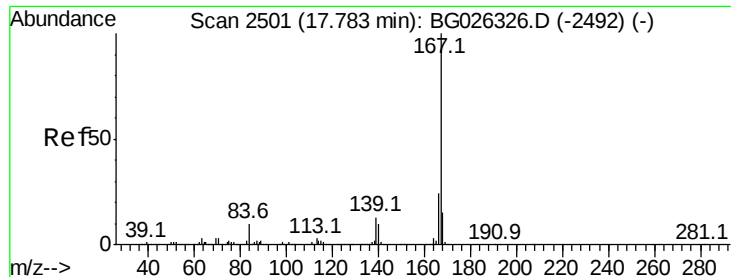
Ion Ratio Lower Upper

178 100

176 18.4 16.4 24.6

179 15.0 13.8 20.8





#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

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

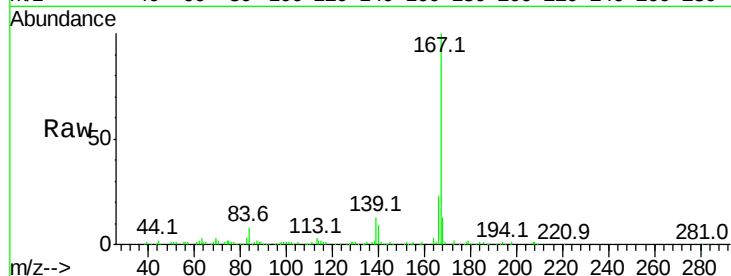
Tot Ion:167 Resp: 94071

Ion Ratio Lower Upper

167 100

166 23.1 20.2 30.2

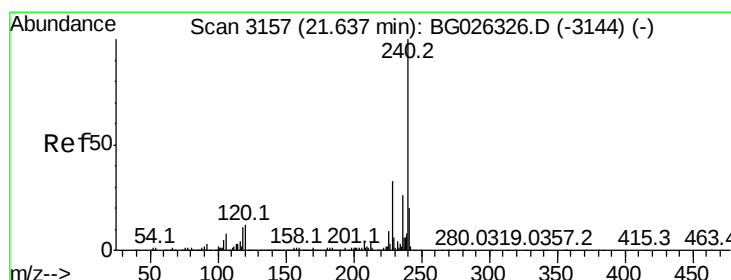
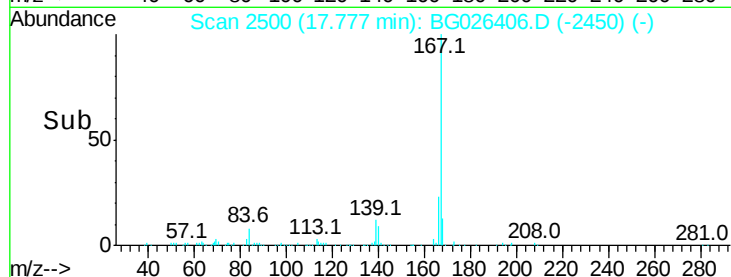
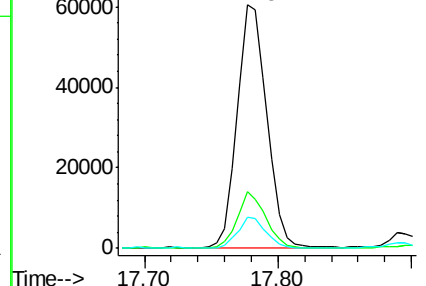
139 12.5 12.8 19.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#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

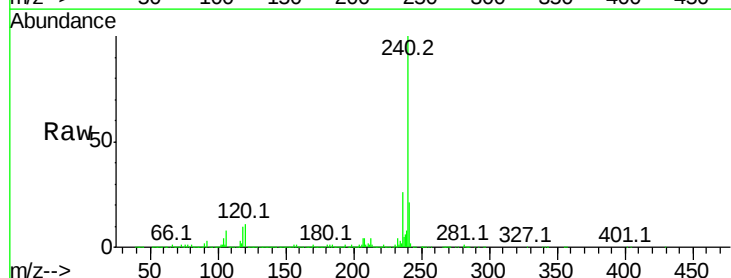
Tgt Ion:240 Resp: 978847

Ion Ratio Lower Upper

240 100

120 11.2 5.7 8.5#

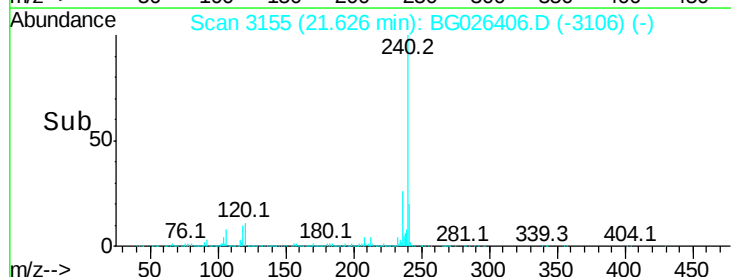
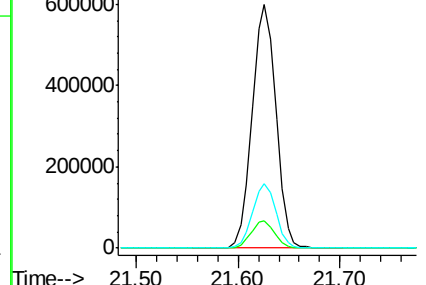
236 26.4 22.2 33.4

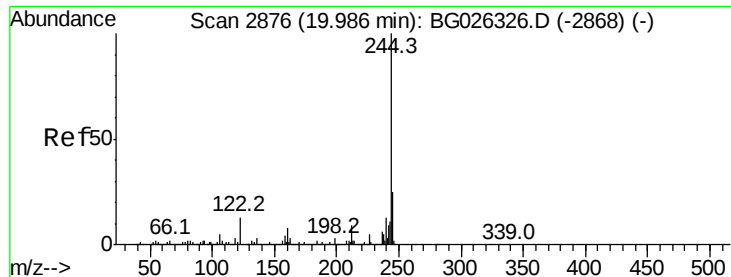


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_G

ClientSampleId :

WC-COMP-10

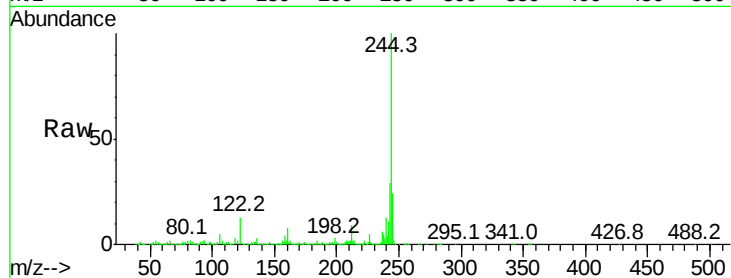
Tot Ion:244 Resp: 2907165

Ion Ratio Lower Upper

244 100

212 8.9 10.0 15.0#

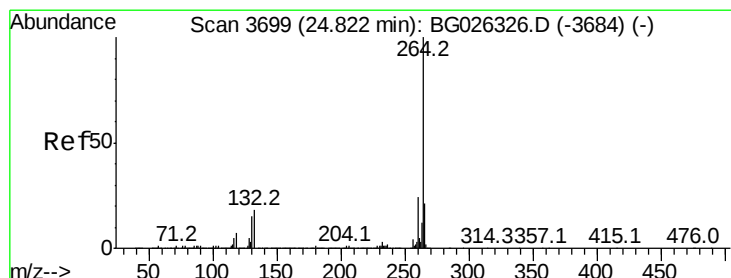
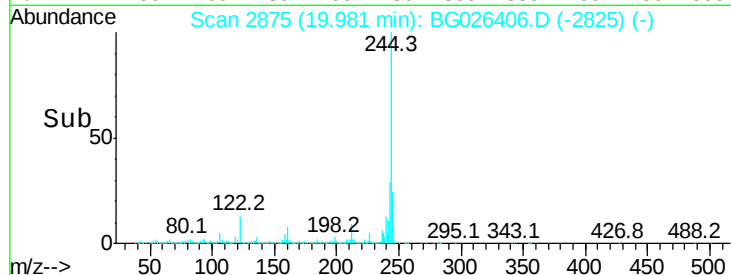
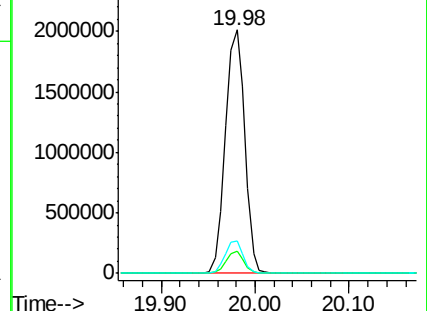
122 13.3 8.6 12.8#



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

Perylene-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

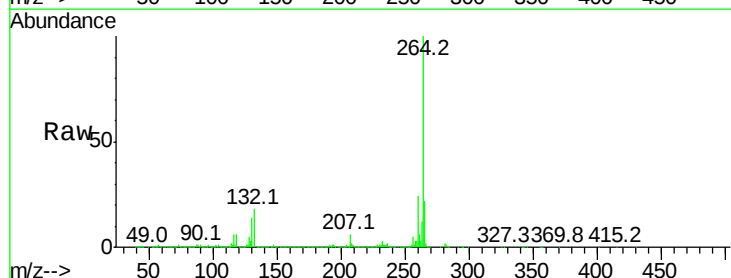
Tgt Ion:264 Resp: 946958

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

