

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
 Data File : BG024706.D
 Acq On : 5 Nov 2016 10:47
 Operator : UM/SJ
 Sample : H5509-24
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-94-8.8-20.0

Quant Time: Nov 06 23:46:19 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

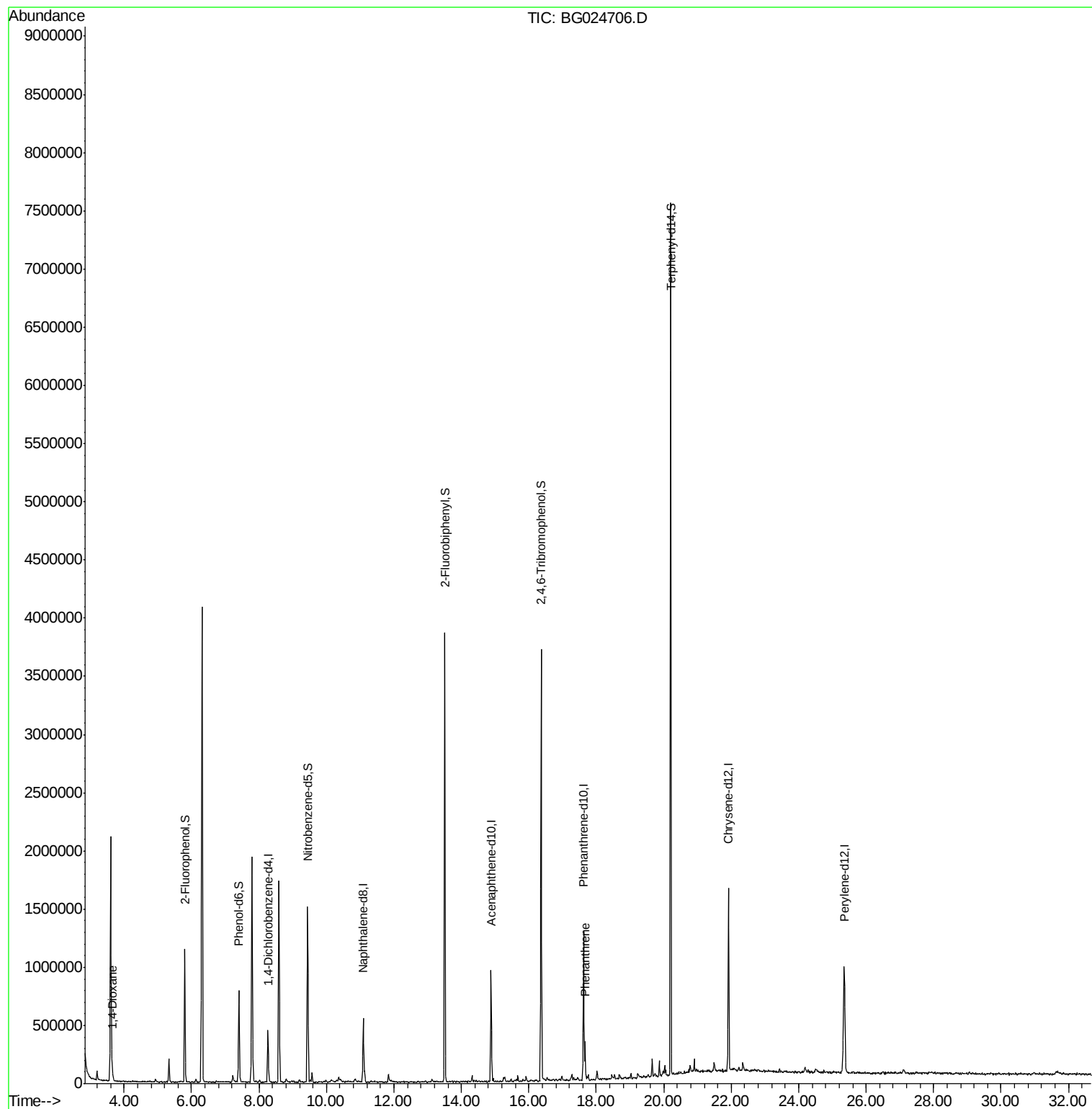
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	115444	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	451283	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	340688	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	791979	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1112921	20.00	ng	-0.01
86) Perylene-d12	25.35	264	1147466	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	460497	65.38	ng	0.00
7) Phenol-d6	7.40	99	420670	43.54	ng	0.00
23) Nitrobenzene-d5	9.44	82	953679	96.22	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	771496	151.58	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1917783	93.56	ng	0.00
78) Terphenyl-d14	20.21	244	2985930	80.17	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.67	88	15955	5.54	ng	Qvalue 95
70) Phenanthrene	17.67	178	207367	5.14	ng	# 91

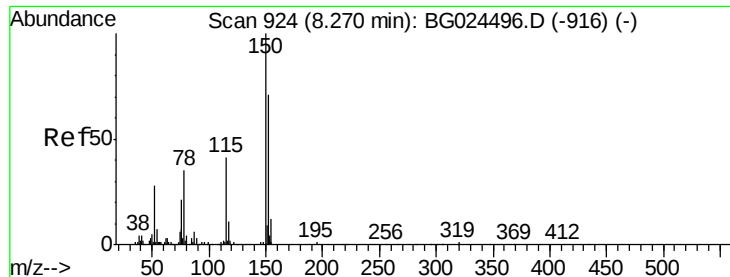
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 26 11:14:13 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

GW-94-8.8-20.0

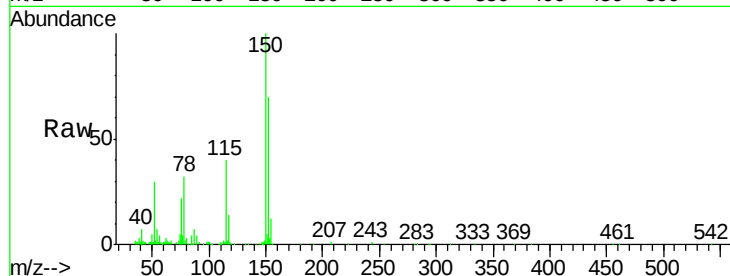
Tot Ion:152 Resp: 115444

Ion Ratio Lower Upper

152 100

150 143.1 114.0 171.0

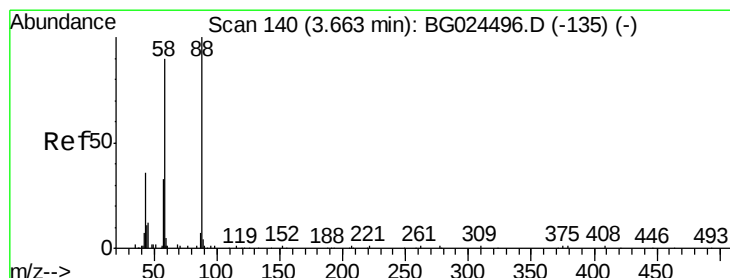
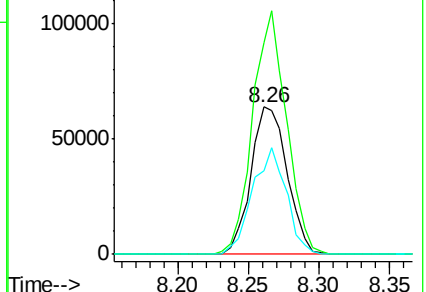
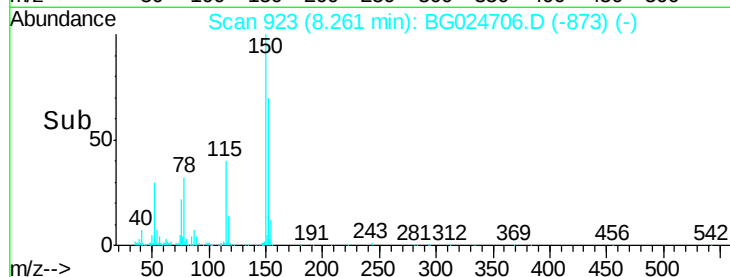
115 56.6 48.1 72.1



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



#2

1,4-Dioxane

Concen: 5.54 ng

RT: 3.67 min Scan# 141

Delta R.T. 0.00 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

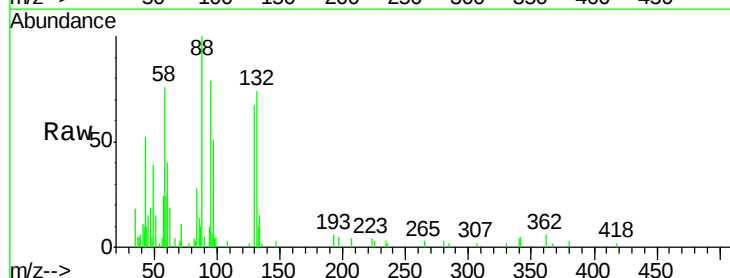
Tgt Ion: 88 Resp: 15955

Ion Ratio Lower Upper

88 100

58 93.2 79.4 119.2

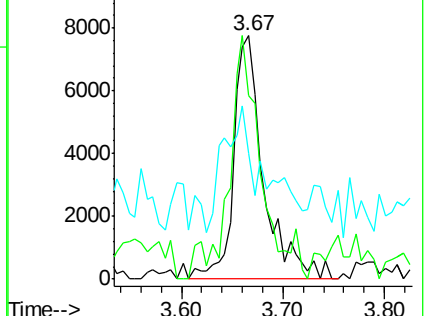
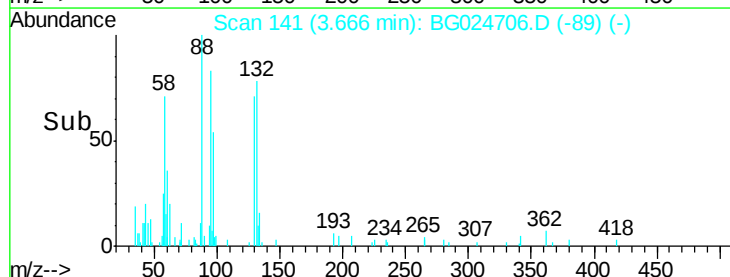
43 43.9 33.8 50.6

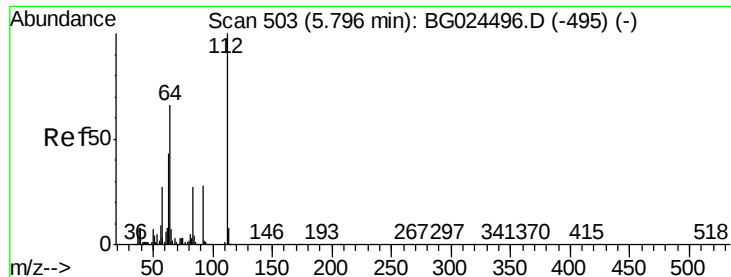


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 65.38 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

GW-94-8.8-20.0

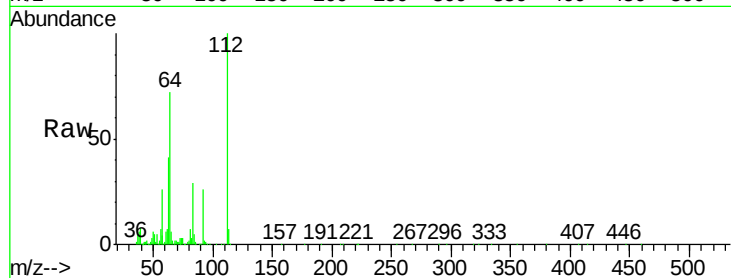
Tot Ion:112 Resp: 460497

Ion Ratio Lower Upper

112 100

64 72.1 61.8 92.6

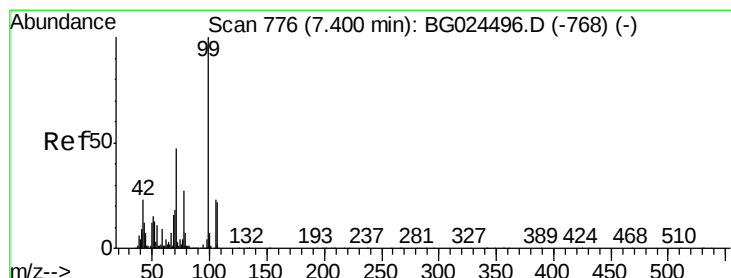
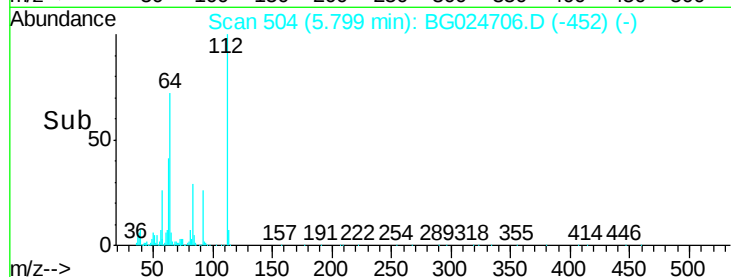
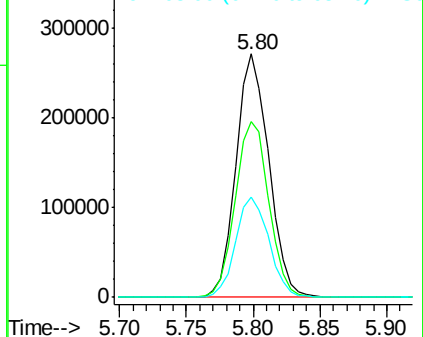
63 41.1 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 43.54 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

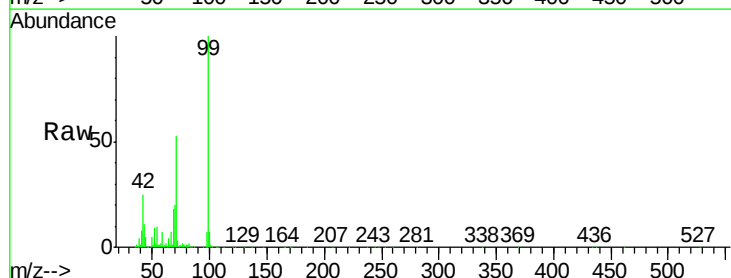
Tgt Ion: 99 Resp: 420670

Ion Ratio Lower Upper

99 100

42 25.4 20.5 30.7

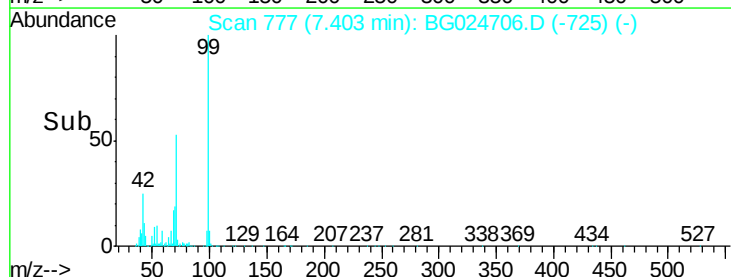
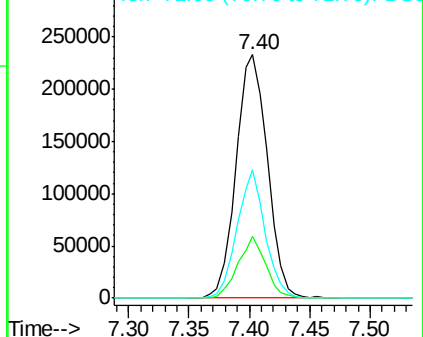
71 52.9 37.6 56.4

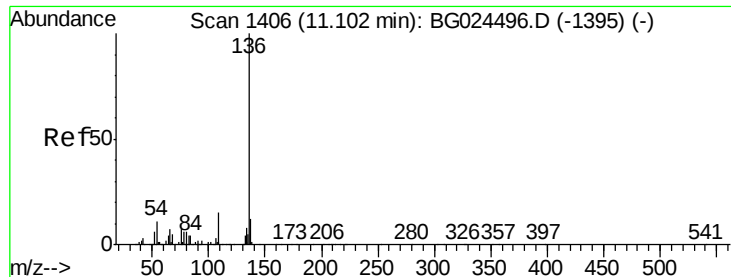


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

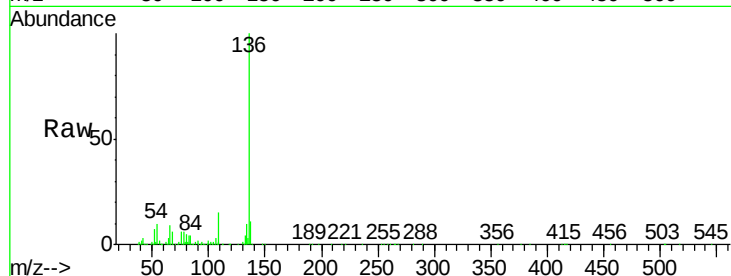




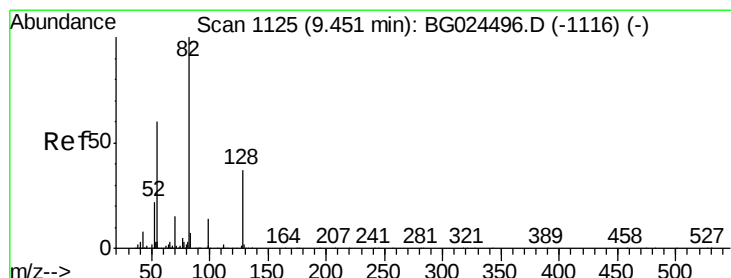
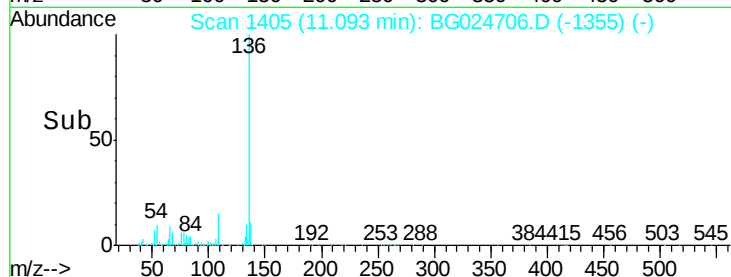
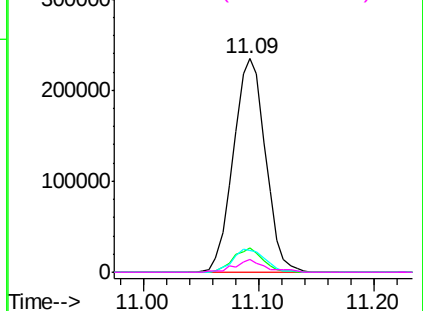
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG024706.D
Acq: 5 Nov 2016 10:47

Instrument :
BNA_G
ClientSampleId :
GW-94-8.8-20.0

Tot Ion:136	Resp:	451283	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	8.9	13.3	
54 10.0	9.3	13.9	
68 6.1	5.1	7.7	

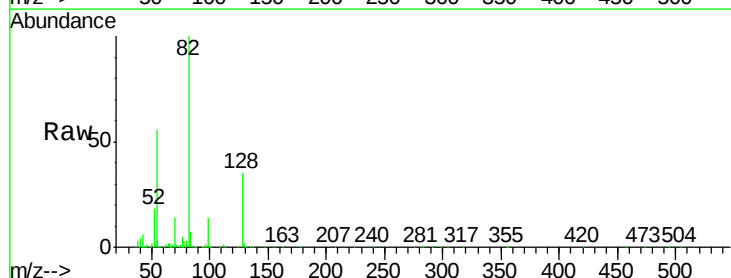


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

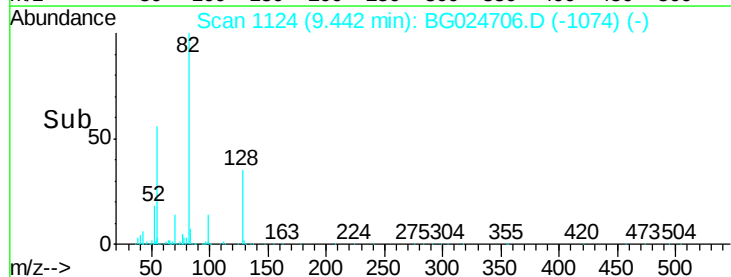
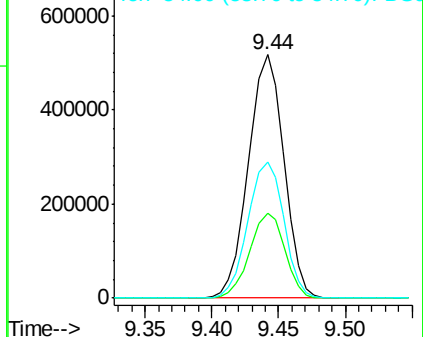


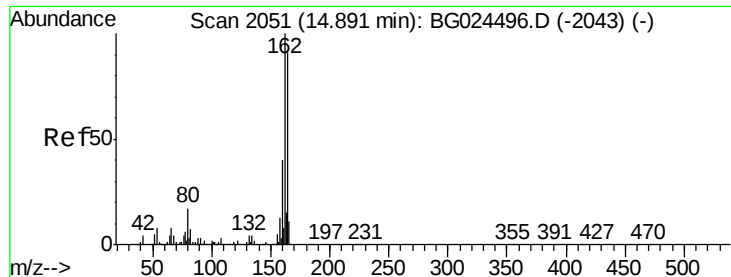
#23
Nitrobenzene-d5
Concen: 96.22 ng
RT: 9.44 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BG024706.D
Acq: 5 Nov 2016 10:47

Tgt	Ion: 82	Resp:	953679
Ion	Ratio	Lower	Upper
82	100		
128	34.6	26.4	39.6
54	55.7	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

GW-94-8.8-20.0

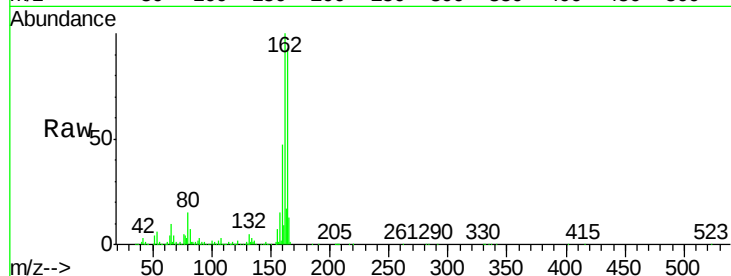
Tot Ion:164 Resp: 340688

Ion Ratio Lower Upper

164 100

162 107.5 85.1 127.7

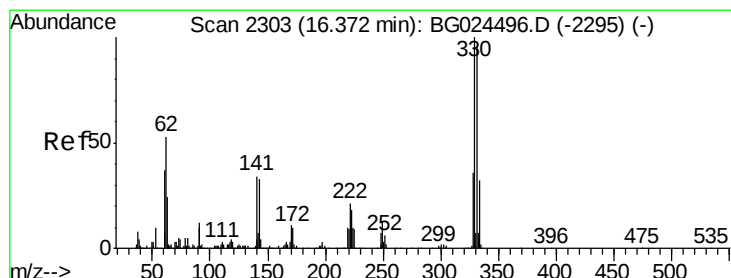
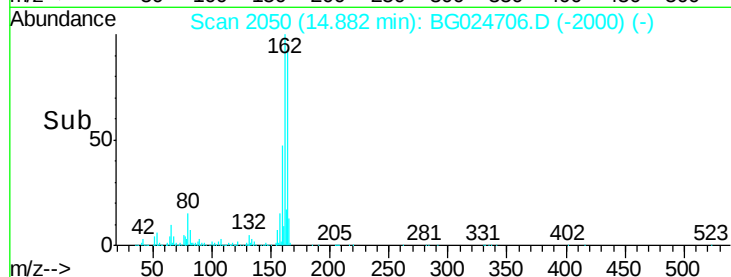
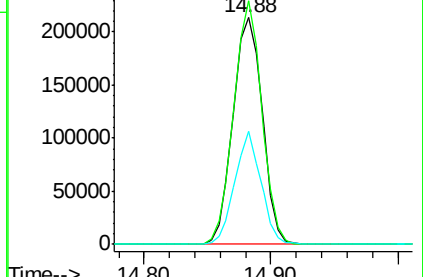
160 50.1 34.7 52.1



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: 151.58 ng

RT: 16.37 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

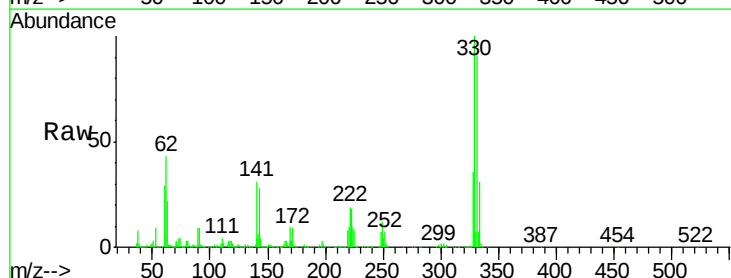
Tgt Ion:330 Resp: 771496

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

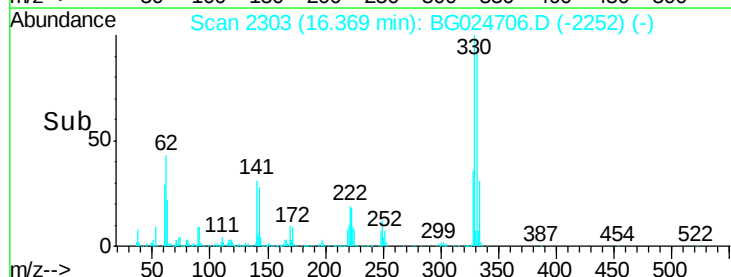
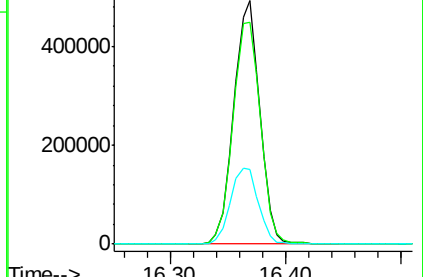
141 33.4 32.1 48.1



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



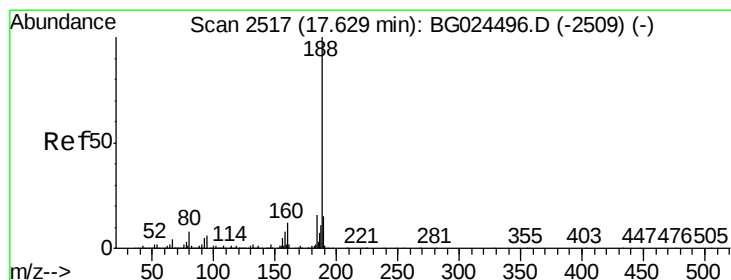
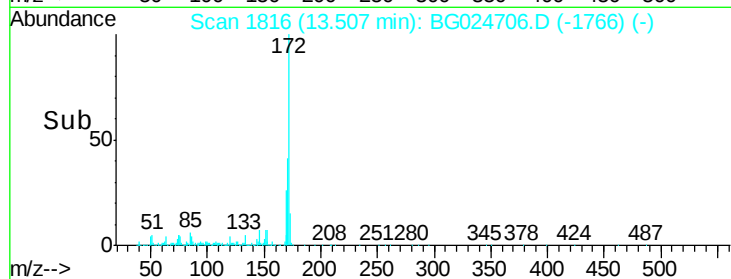
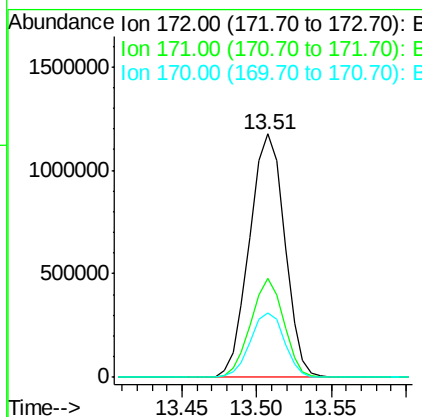
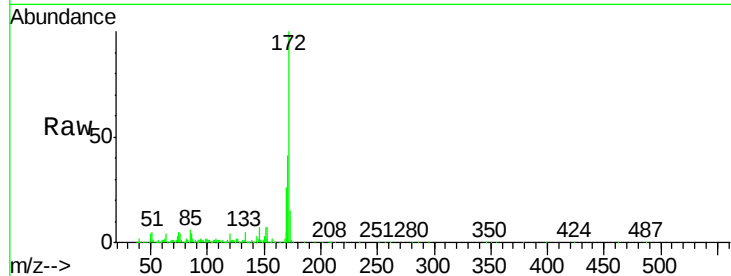


#44
 2-Fluorobiphenyl
 Concen: 93.56 ng
 RT: 13.51 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BG024706.D
 Acq: 5 Nov 2016 10:47

Instrument :
 BNA_G
 ClientSampleId :
 GW-94-8.8-20.0

Tot Ion:172 Resp: 1917783

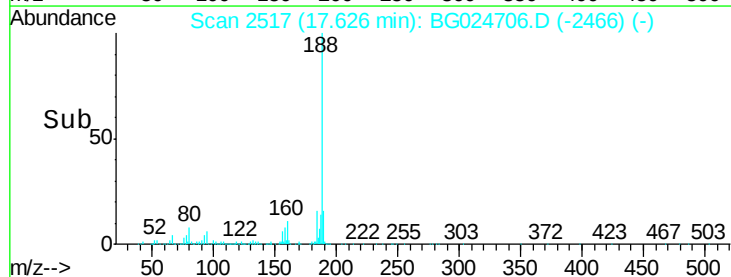
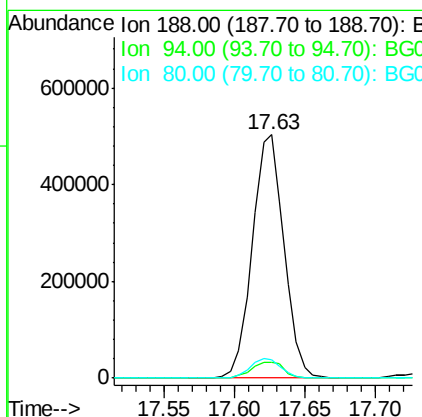
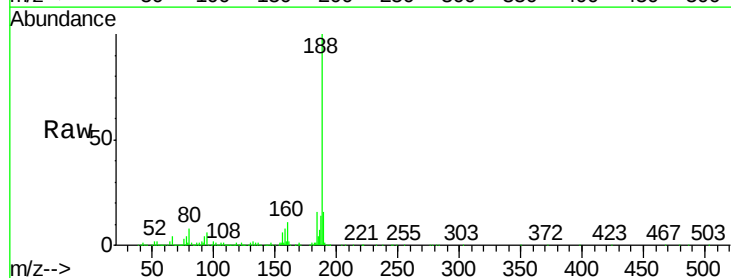
Ion	Ratio	Lower	Upper
172	100		
171	40.5	32.2	48.2
170	26.5	21.8	32.6

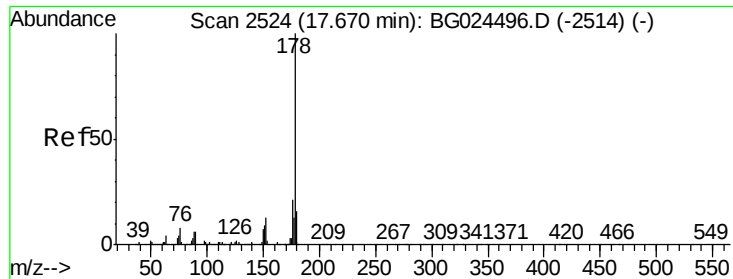


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.63 min Scan# 2517
 Delta R.T. -0.00 min
 Lab File: BG024706.D
 Acq: 5 Nov 2016 10:47

Tgt Ion:188 Resp: 791979

Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.8	8.8
80	7.7	7.5	11.3





#70

Phenanthrene

Concen: 5.14 ng

RT: 17.67 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

GW-94-8.8-20.0

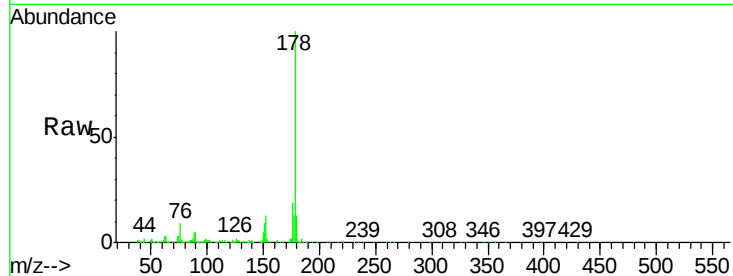
Tot Ion:178 Resp: 207367

Ion Ratio Lower Upper

178 100

176 19.3 17.7 26.5

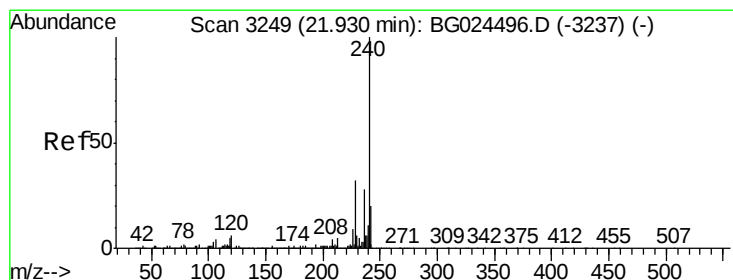
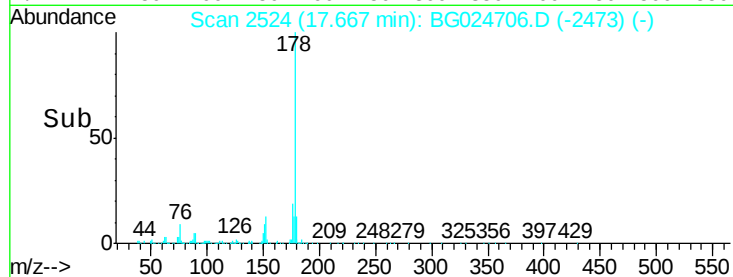
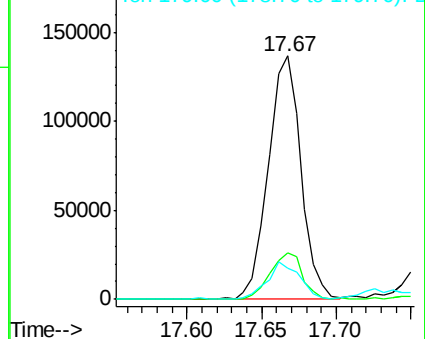
179 12.9 15.0 22.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.92 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

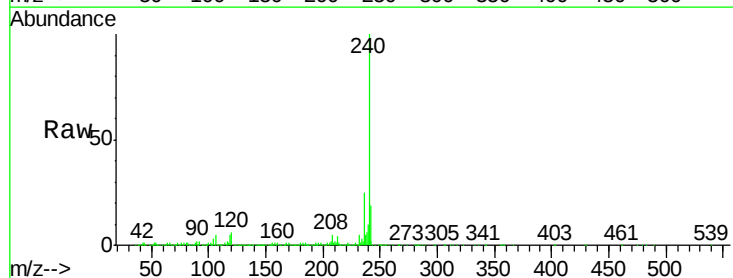
Tgt Ion:240 Resp: 1112921

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

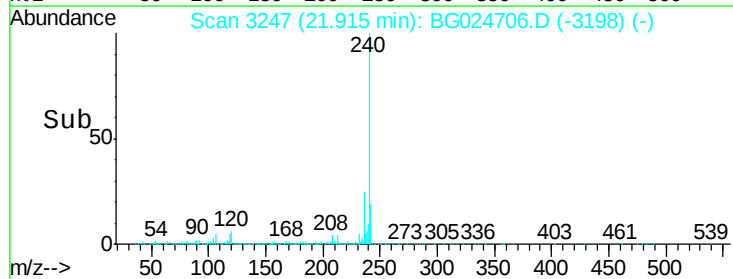
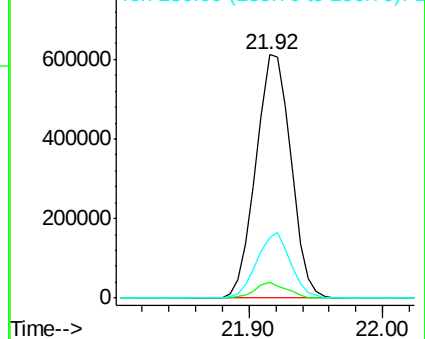
236 25.0 22.2 33.4

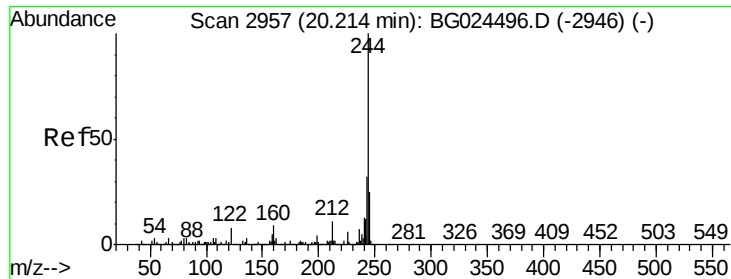


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.17 ng

RT: 20.21 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

Instrument :

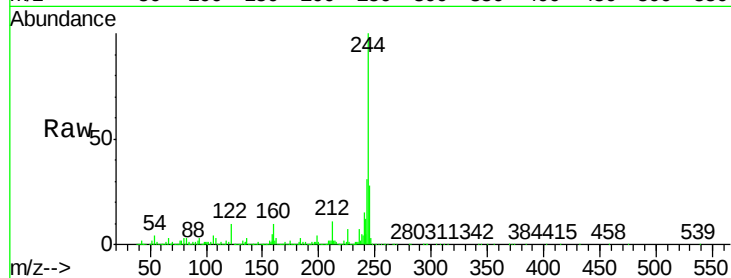
BNA_G

ClientSampleId :

GW-94-8.8-20.0

Tot Ion:244 Resp: 2985930

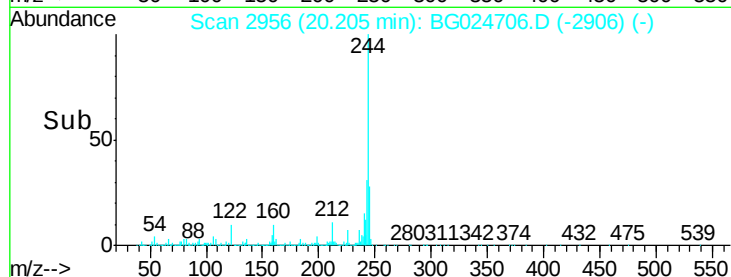
Ion	Ratio	Lower	Upper
244	100		
212	11.3	10.0	15.0
122	9.6	8.6	12.8



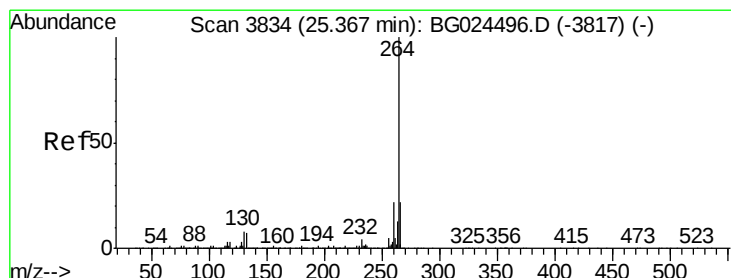
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.35 min Scan# 3831

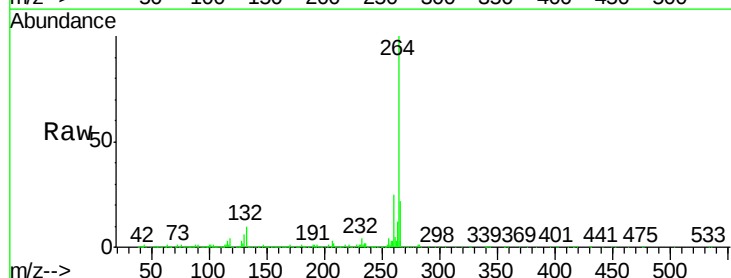
Delta R.T. -0.02 min

Lab File: BG024706.D

Acq: 5 Nov 2016 10:47

Tgt Ion:264 Resp: 1147466

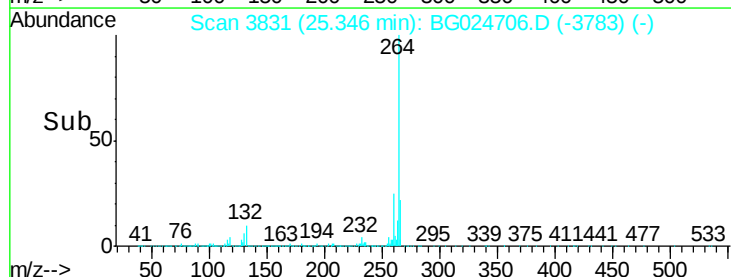
Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.8	32.8
265	22.3	18.2	27.4



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



Time-->