

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022660.D
 Acq On : 28 Jun 2016 2:38
 Operator : UM/SJ
 Sample : H3606-05
 Misc : LOD-2PPM
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Jun 28 04:31:31 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

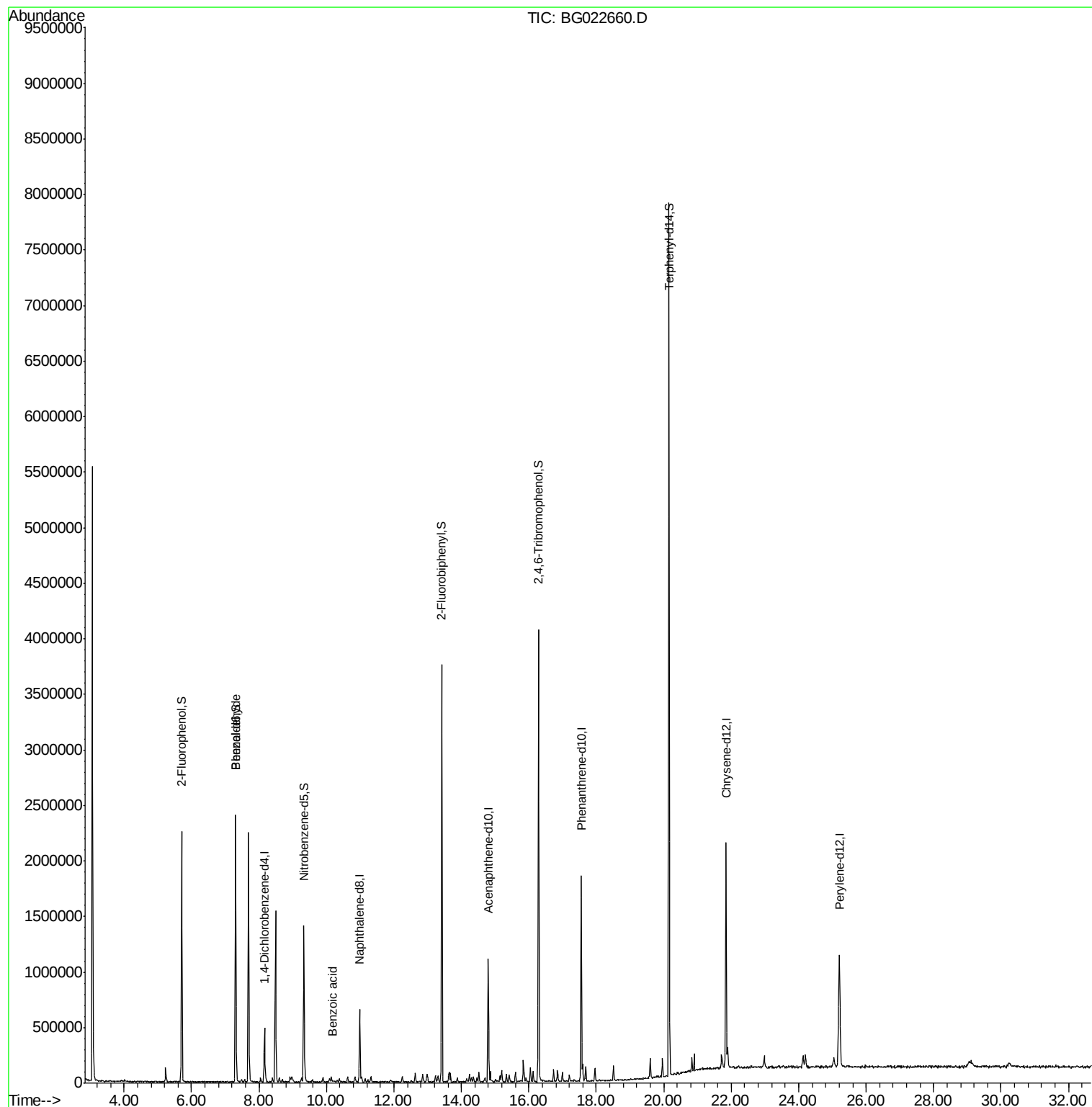
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	123420	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	527736	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	395274	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1098805	20.00	ng	0.00
75) Chrysene-d12	21.84	240	1281374	20.00	ng	0.00
86) Perylene-d12	25.21	264	1286149	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	890368	115.71	ng	0.00
7) Phenol-d6	7.31	99	1311307	120.90	ng	0.00
23) Nitrobenzene-d5	9.33	82	903139	72.43	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	759362	122.14	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1813468	72.76	ng	0.00
78) Terphenyl-d14	20.16	244	3004112	62.11	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	16736	4.38	ng	# 63
32) Benzoic acid	10.19	122	3449	5.61	ng	# 79

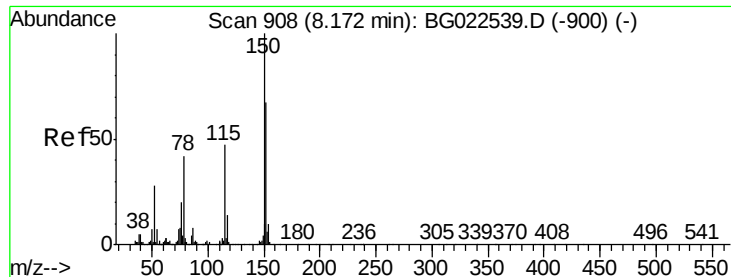
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

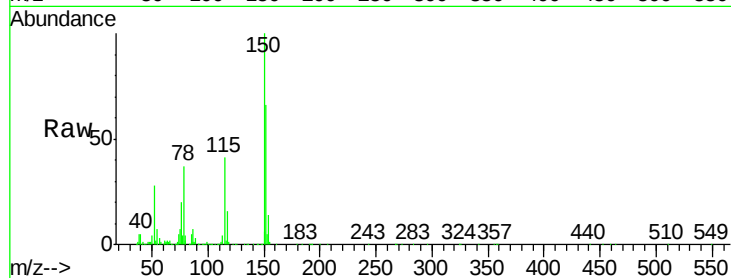
Tgt Ion:152 Resp: 123420

Ion Ratio Lower Upper

152 100

150 151.1 144.7 217.1

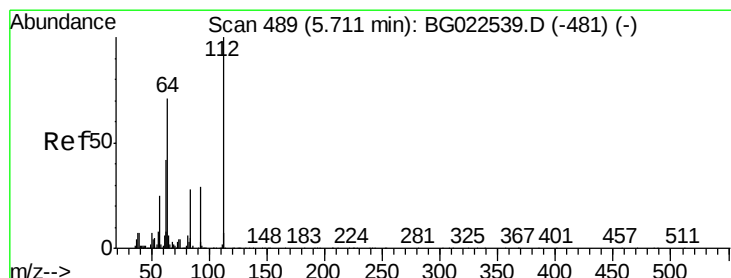
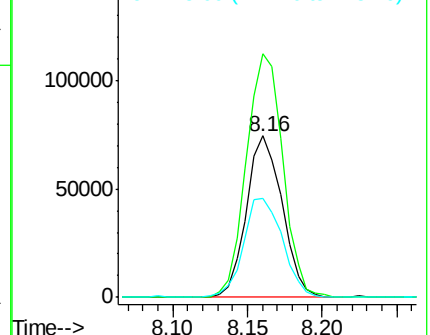
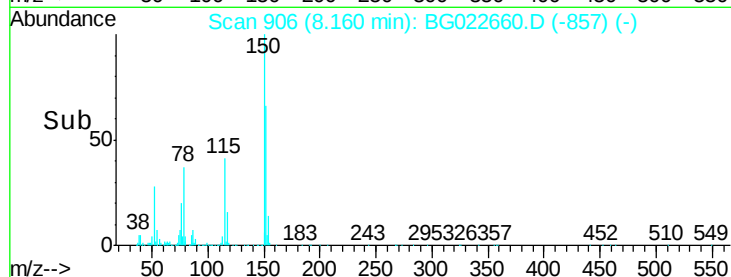
115 61.7 64.0 96.0#



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: 115.71 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

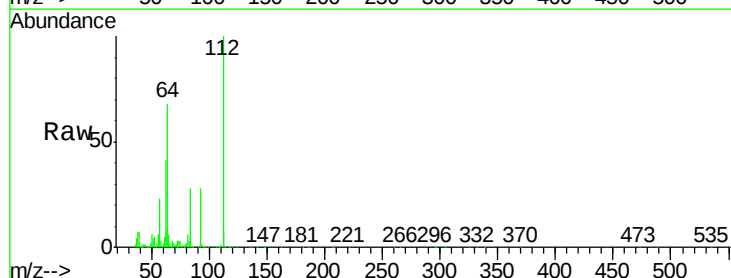
Tgt Ion:112 Resp: 890368

Ion Ratio Lower Upper

112 100

64 67.9 59.0 88.4

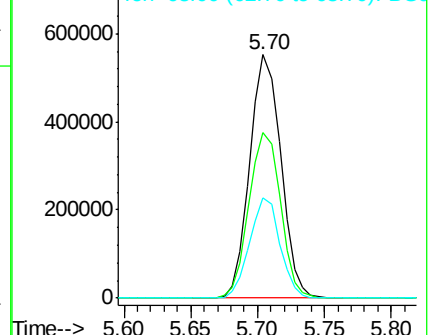
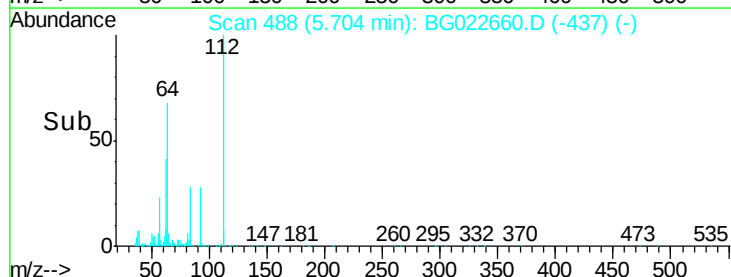
63 41.2 37.8 56.8



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: 120.90 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

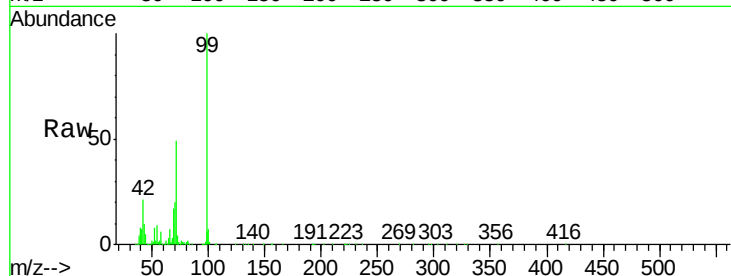
Tgt Ion: 99 Resp: 1311307

Ion Ratio Lower Upper

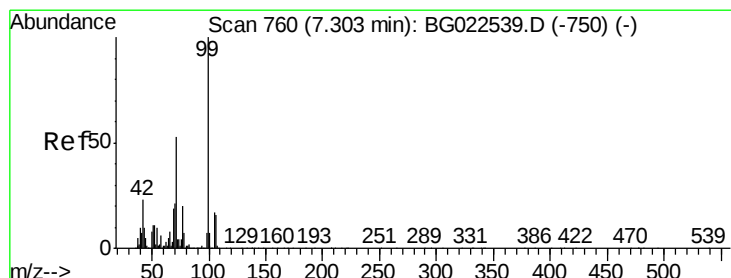
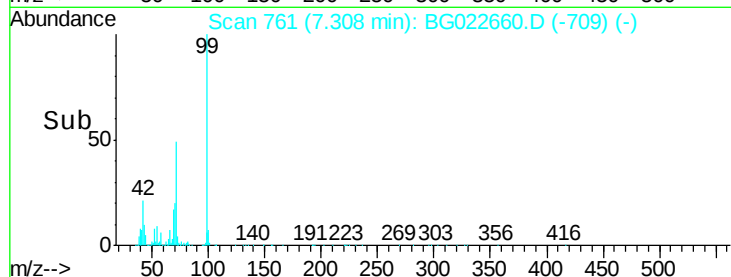
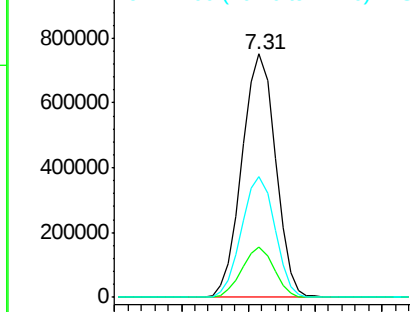
99 100

42 20.9 17.8 26.6

71 49.4 41.5 62.3



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: 4.38 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

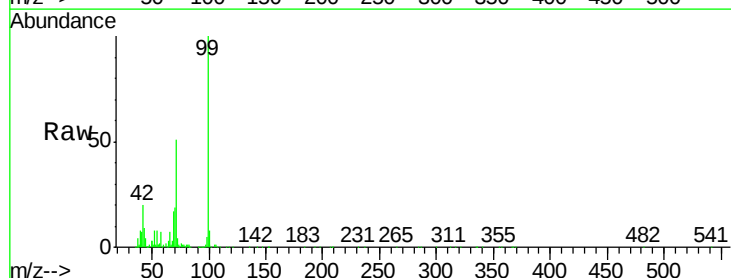
Tgt Ion: 77 Resp: 16736

Ion Ratio Lower Upper

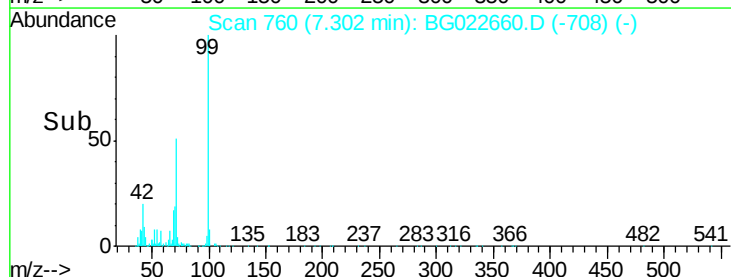
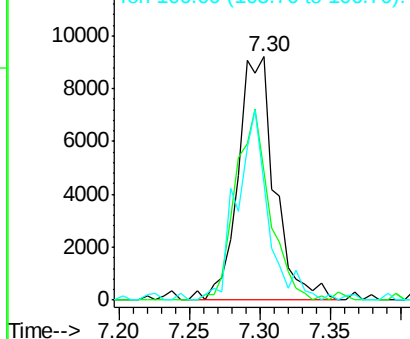
77 100

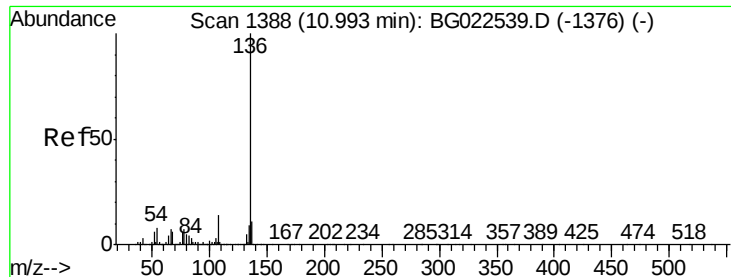
105 52.7 58.7 98.7#

106 48.0 67.5 107.5#



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

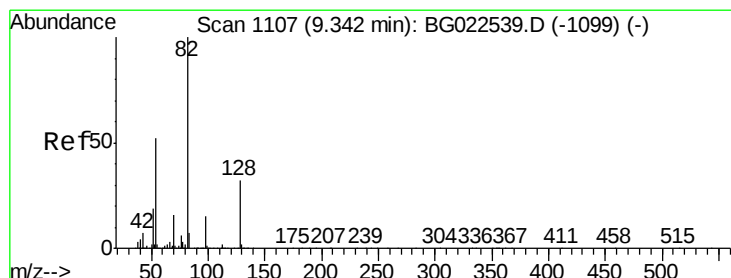
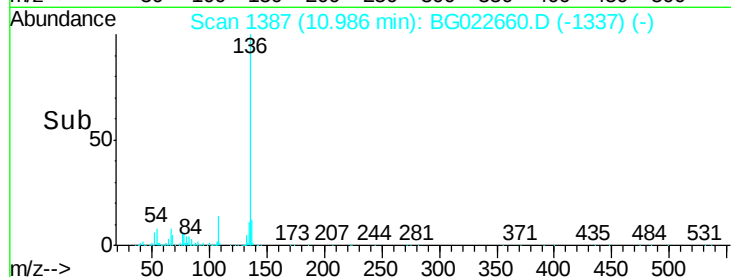
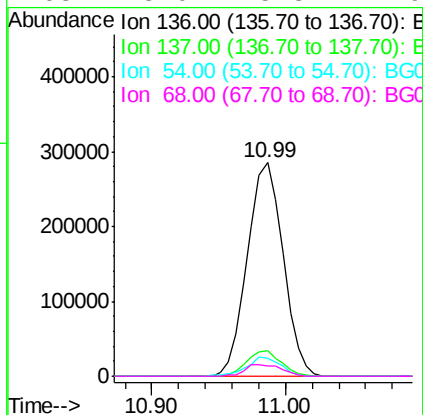
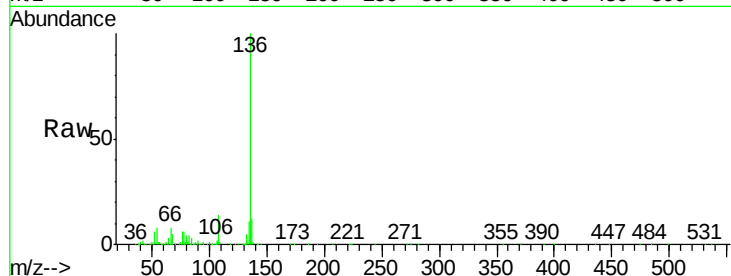




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BG022660.D
Acq: 28 Jun 2016 2:38

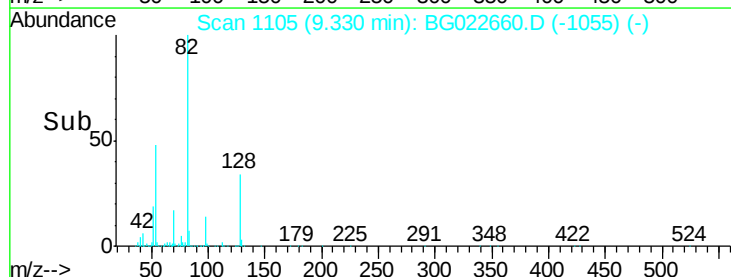
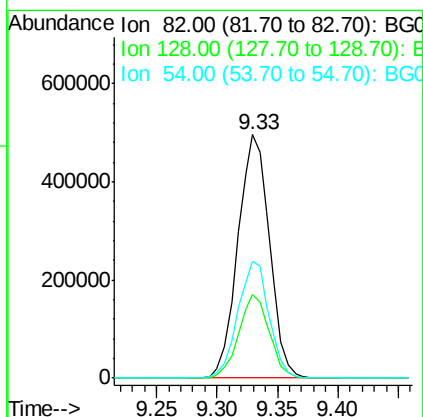
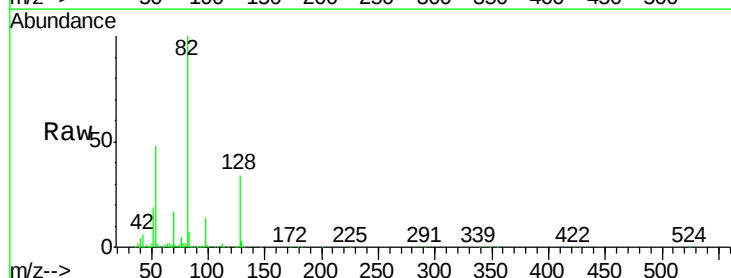
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

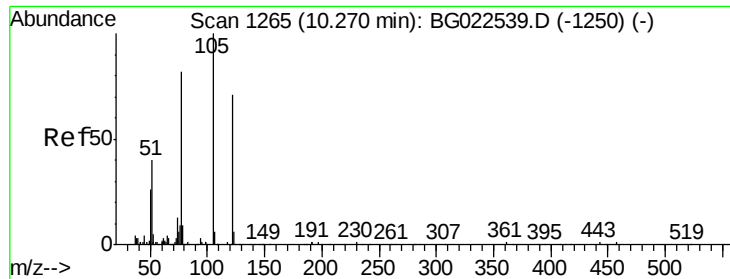
Tgt Ion:	136	Resp:	527736
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.6	14.4
54	8.2	7.3	10.9
68	5.0	5.3	7.9#



#23
Nitrobenzene-d5
Concen: 72.43 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BG022660.D
Acq: 28 Jun 2016 2:38

Tgt Ion:	82	Resp:	903139
Ion Ratio	Lower	Upper	
82	100		
128	34.1	24.4	36.6
54	48.2	41.4	62.0





#32

Benzoic acid

Concen: 5.61 ng

RT: 10.19 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

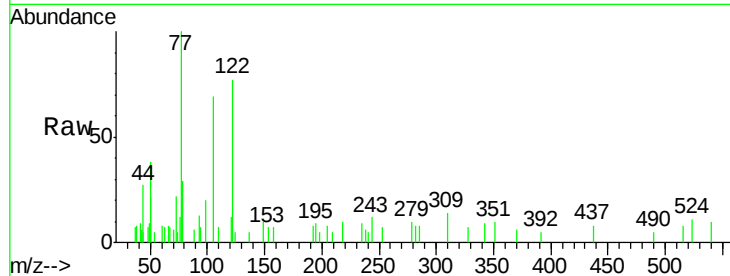
Tgt Ion:122 Resp: 3449

Ion Ratio Lower Upper

122 100

105 90.3 117.2 157.2#

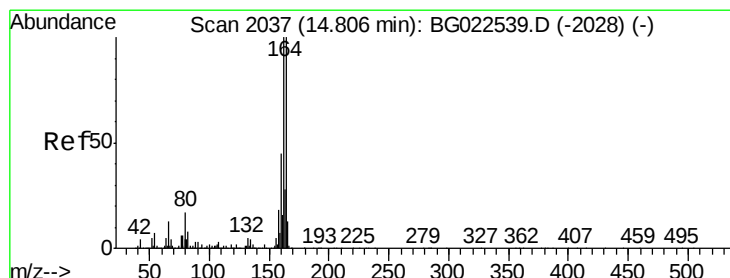
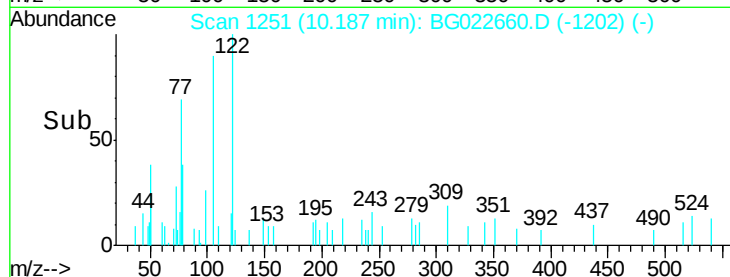
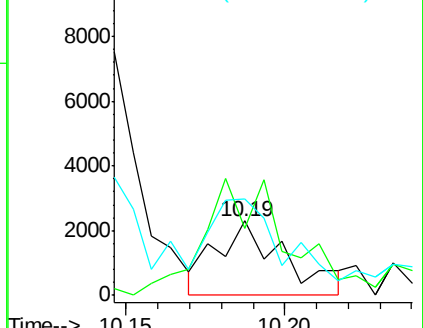
77 130.2 109.2 149.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

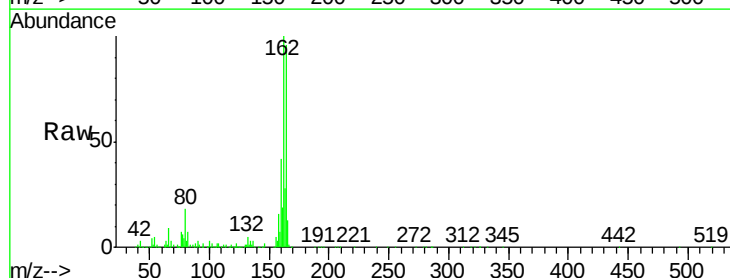
Tgt Ion:164 Resp: 395274

Ion Ratio Lower Upper

164 100

162 104.0 87.7 131.5

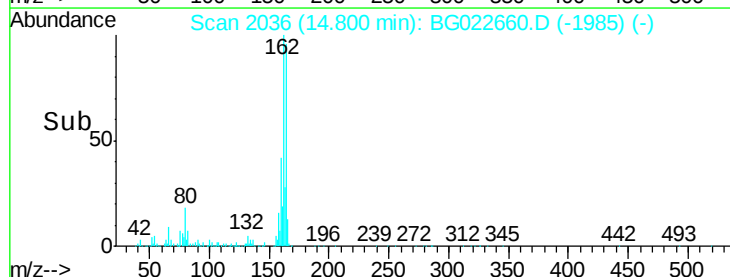
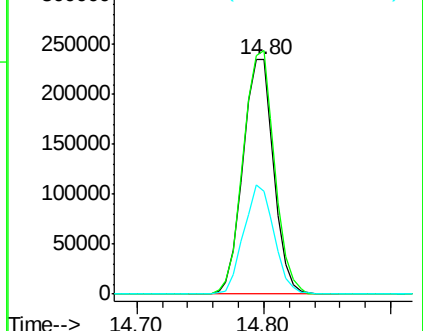
160 44.2 37.2 55.8

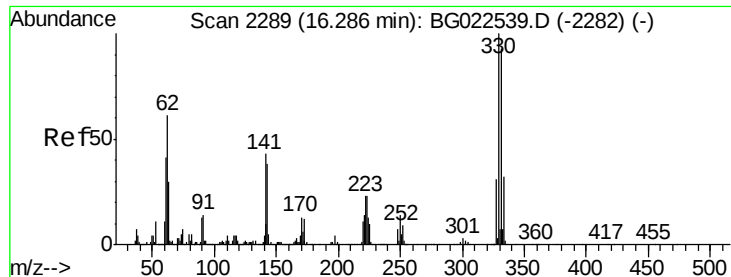


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

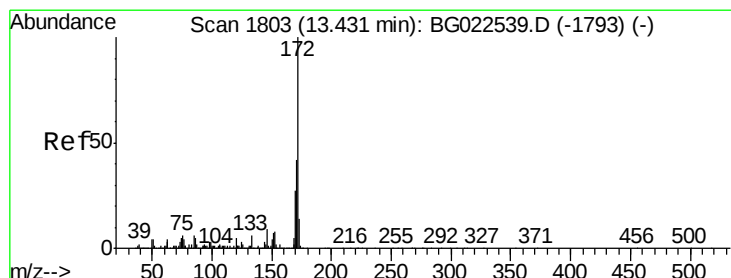
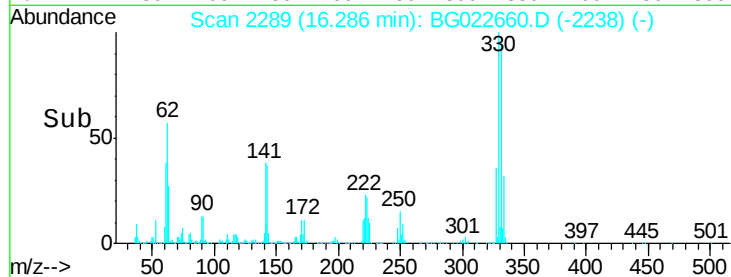
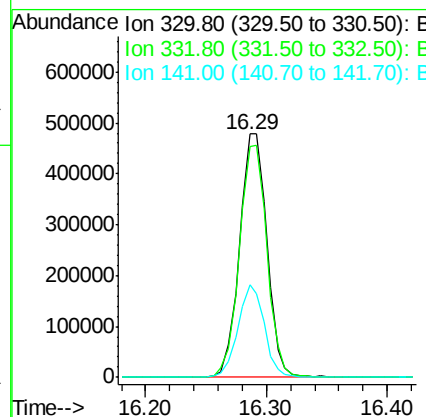
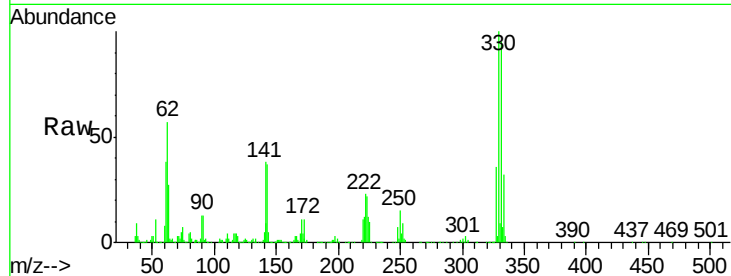




#41
 2,4,6-Tribromophenol
 Concen: 122.14 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. -0.00 min
 Lab File: BG022660.D
 Acq: 28 Jun 2016 2:38

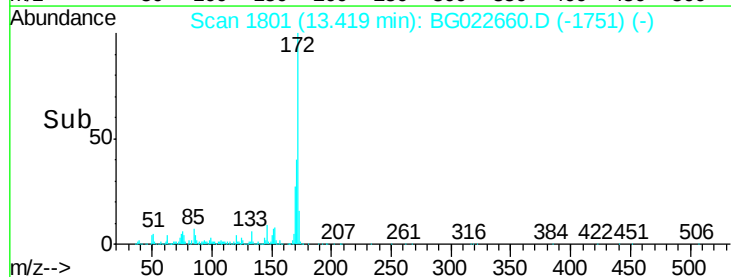
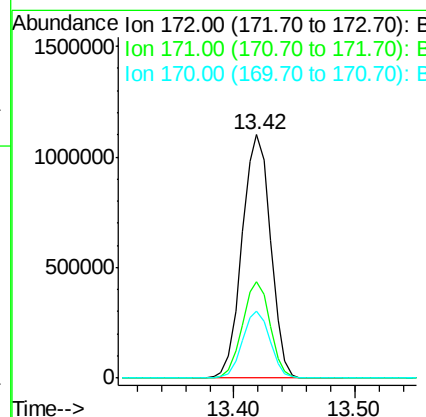
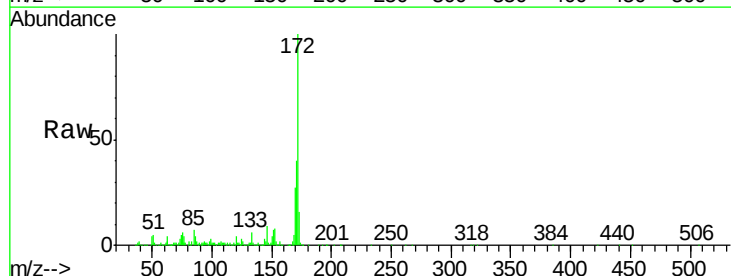
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

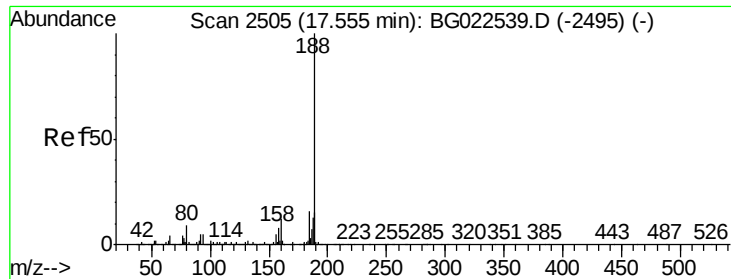
Tgt Ion:330 Resp: 759362
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 36.8 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 72.76 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BG022660.D
 Acq: 28 Jun 2016 2:38

Tgt Ion:172 Resp: 1813468
 Ion Ratio Lower Upper
 172 100
 171 39.6 31.6 47.4
 170 27.3 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

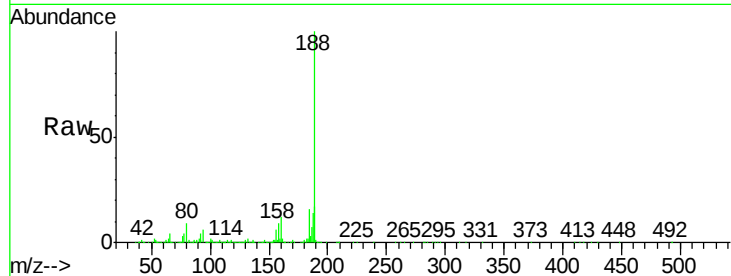
Tgt Ion:188 Resp: 1098805

Ion Ratio Lower Upper

188 100

94 6.0 5.2 7.8

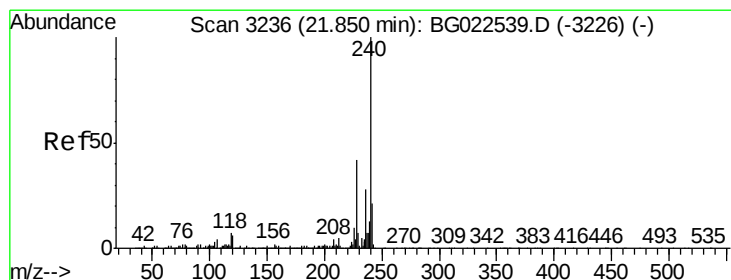
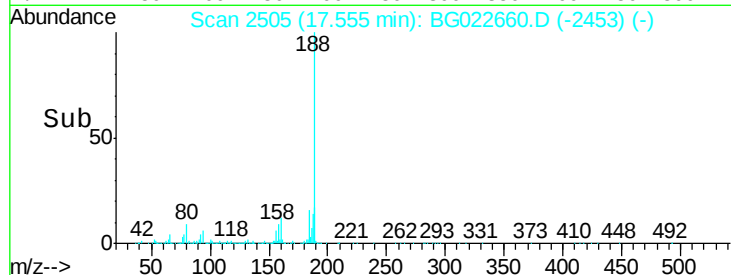
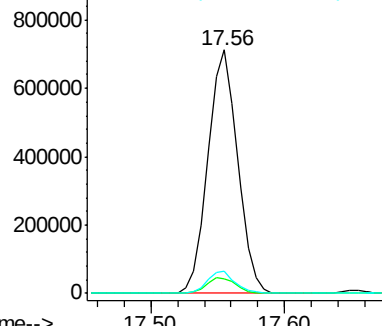
80 9.1 7.2 10.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

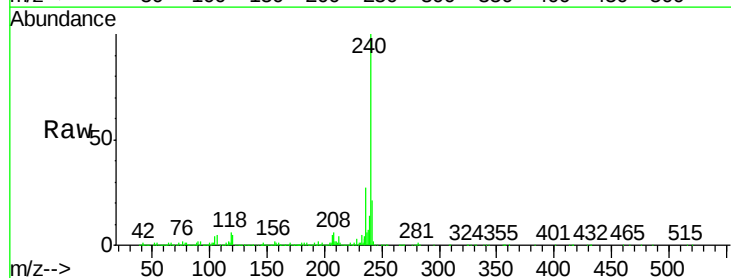
Tgt Ion:240 Resp: 1281374

Ion Ratio Lower Upper

240 100

120 5.4 4.1 6.1

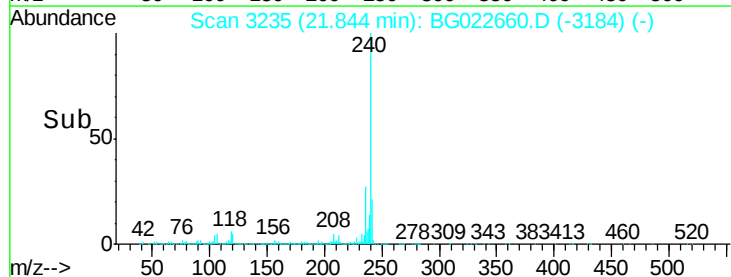
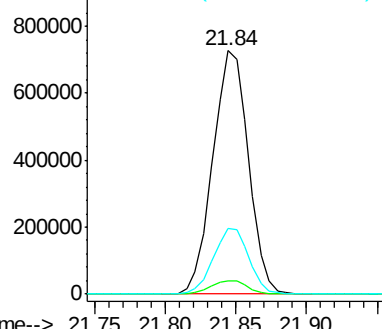
236 26.9 21.1 31.7

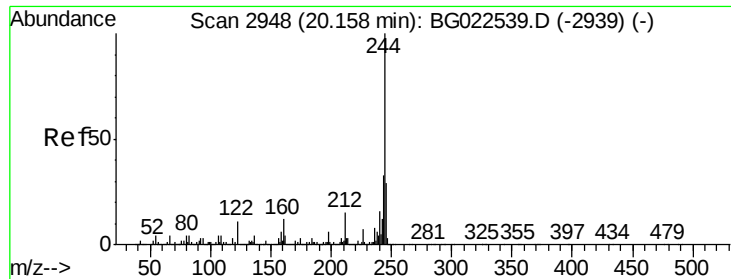


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.11 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

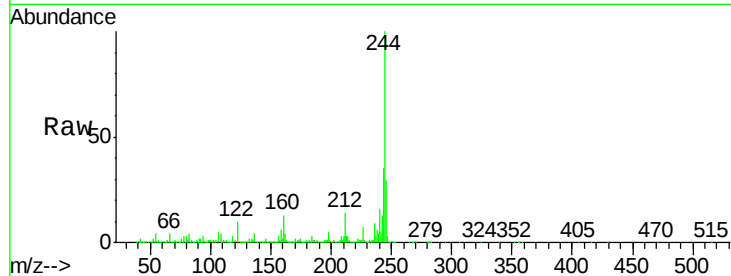
Tgt Ion:244 Resp: 3004112

Ion Ratio Lower Upper

244 100

212 13.7 10.8 16.2

122 10.3 8.0 12.0



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

2500000

2000000

1500000

1000000

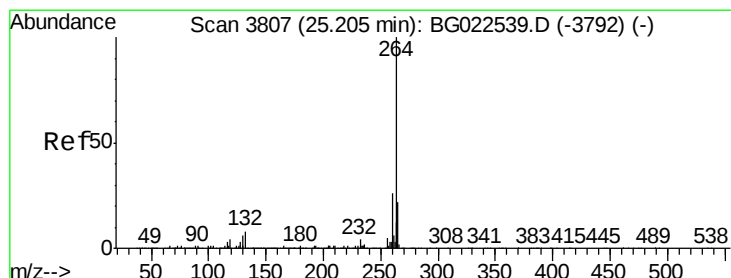
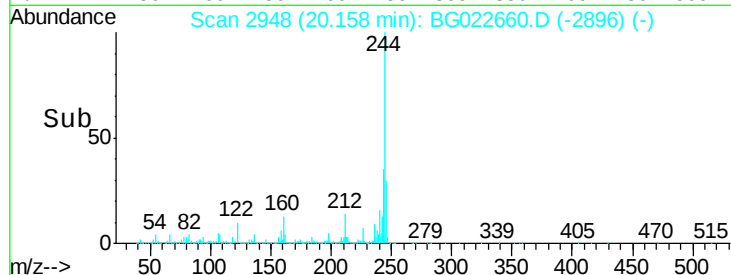
500000

0

20.16

20.10 20.20 20.30

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.21 min Scan# 3808

Delta R.T. 0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

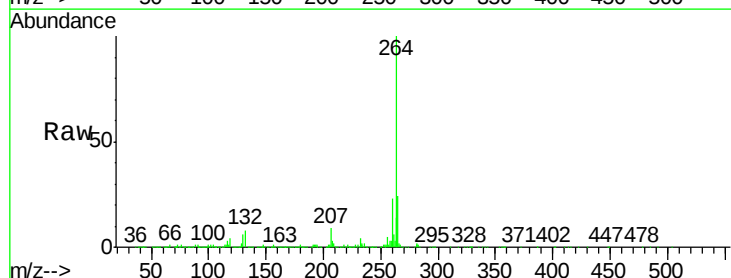
Tgt Ion:264 Resp: 1286149

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 23.7 18.9 28.3



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

500000

400000

300000

200000

100000

0

25.21

25.10 25.20 25.30

Time-->

