

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070716\
 Data File : BG022875.D
 Acq On : 6 Jul 2016 13:19
 Operator : UM/SJ
 Sample : H3787-01 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LAR9937

Quant Time: Jul 06 15:40:48 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

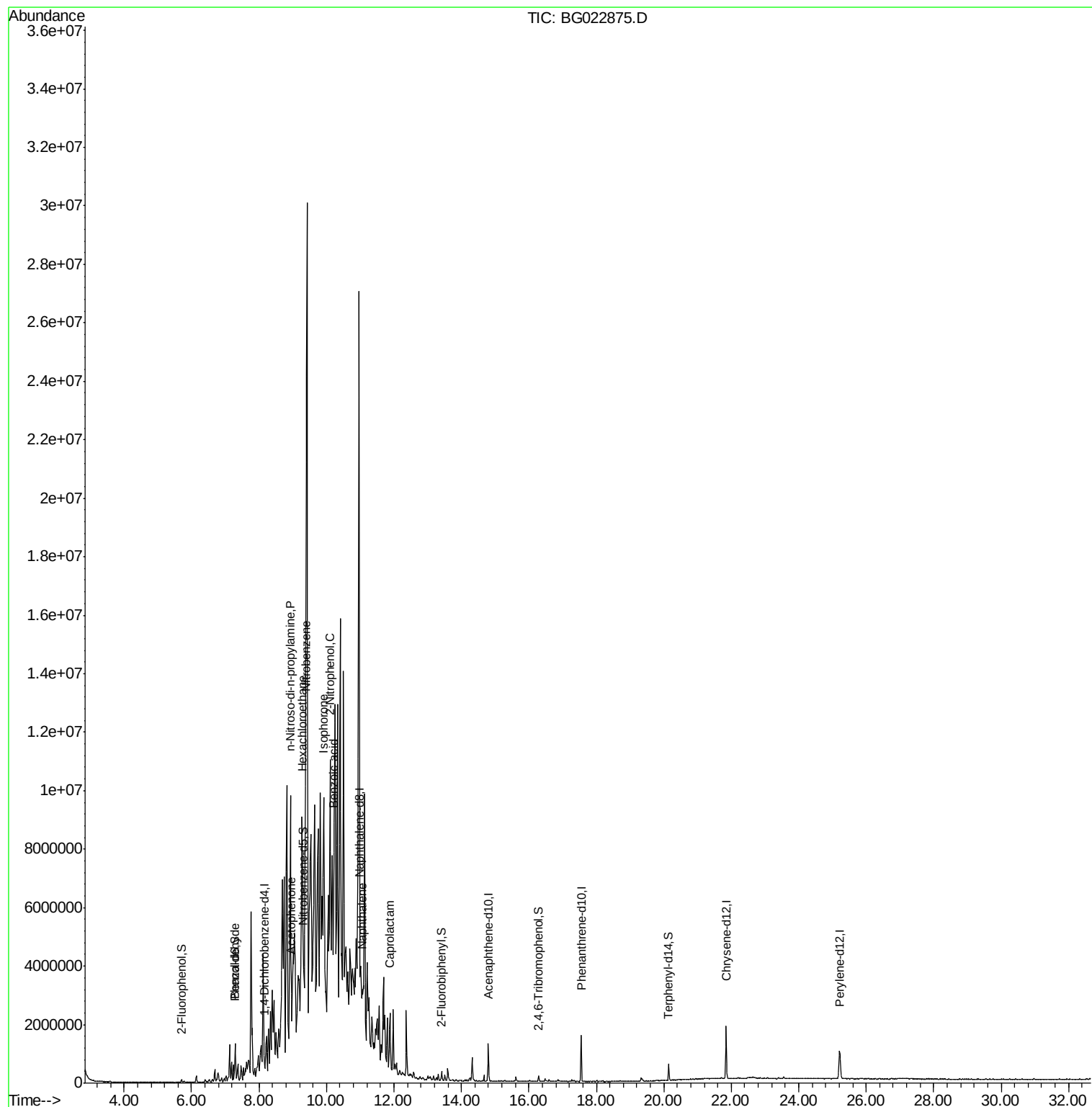
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	126573	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	585662	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	431630	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1020671	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1147351	20.00	ng	0.00
86) Perylene-d12	25.21	264	1161211	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	45986	5.83	ng	0.00
7) Phenol-d6	7.30	99	74214	6.67	ng	0.00
23) Nitrobenzene-d5	9.33	82	315540	22.80	ng	-0.01
41) 2,4,6-Tribromophenol	16.28	330	45385	6.69	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	153674	5.65	ng	-0.01
78) Terphenyl-d14	20.14	244	255280	5.89	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.29	77	22230	5.68	ng	# 1
18) Hexachloroethane	9.27	117	59584	14.44	ng	# 1
19) n-Nitroso-di-n-propylamine	8.93	70	341491	36.86	ng	# 44
22) Acetophenone	8.97	105	253515	14.97	ng	# 42
24) Nitrobenzene	9.37	77	60857	3.98	ng	# 33
25) Isophorone	9.91	82	785880	29.26	ng	# 1
26) 2-Nitrophenol	10.10	139	75402	13.69	ng	# 1
31) Naphthalene	11.05	128	140094	4.76	ng	# 84
32) Benzoic acid	10.21	122	51603	11.81	ng	# 36
35) Caprolactam	11.88	113	35019	10.84	ng	# 1

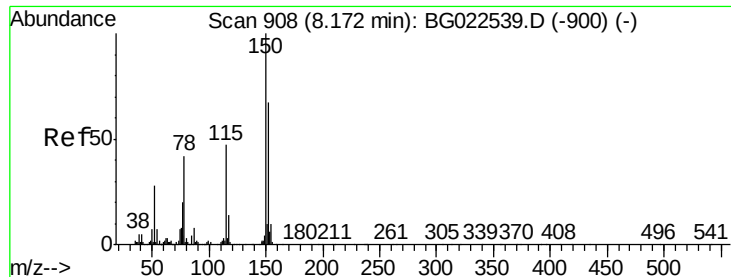
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

Instrument :

BNA_G

ClientSampleId :

LAR9937

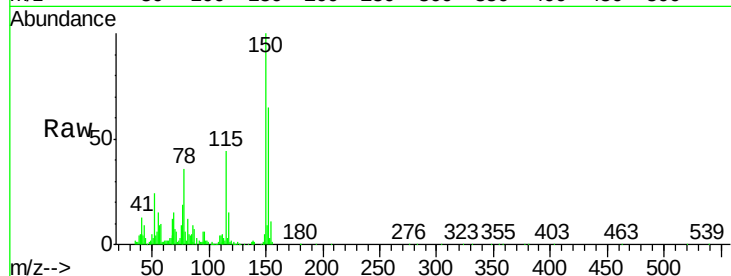
Tgt Ion:152 Resp: 126573

Ion Ratio Lower Upper

152 100

150 154.7 144.7 217.1

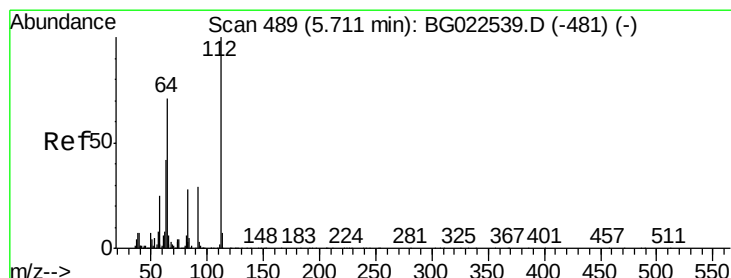
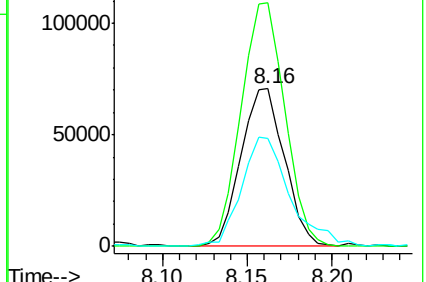
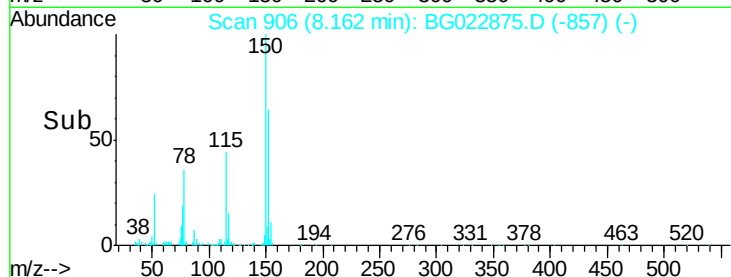
115 68.4 64.0 96.0



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: 5.83 ng

RT: 5.70 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

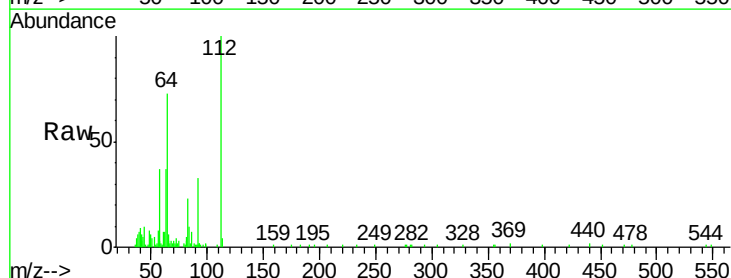
Tgt Ion:112 Resp: 45986

Ion Ratio Lower Upper

112 100

64 72.8 59.0 88.4

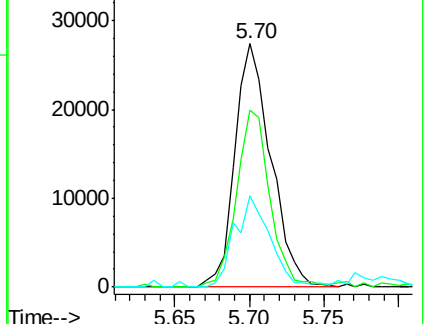
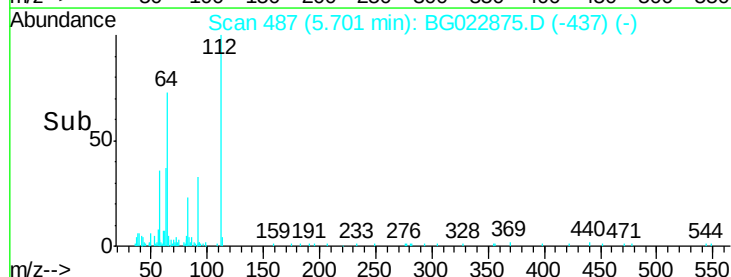
63 37.5 37.8 56.8#

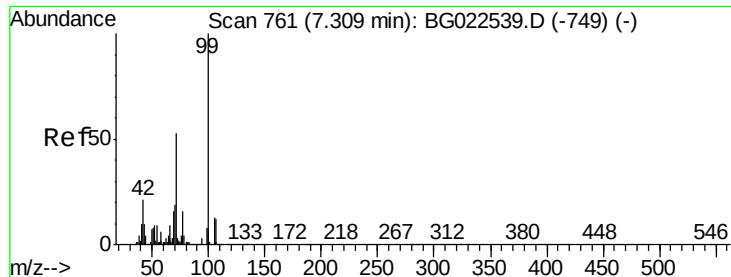


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 6.67 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

Instrument :

BNA_G

ClientSampleId :

LAR9937

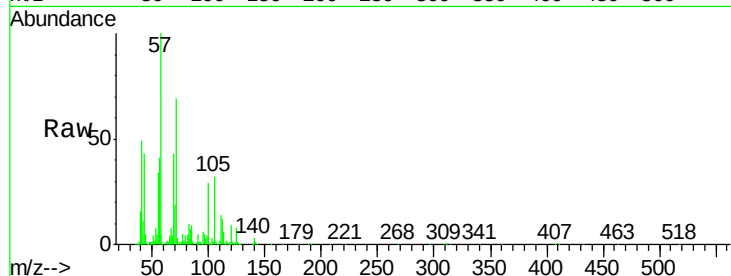
Tgt Ion: 99 Resp: 74214

Ion Ratio Lower Upper

99 100

42 39.9 17.8 26.6#

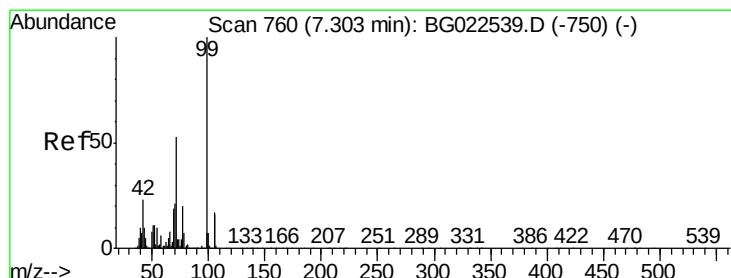
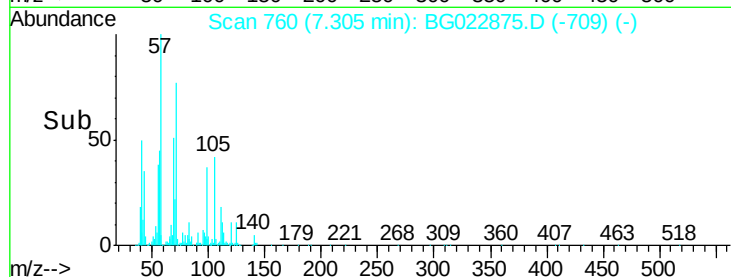
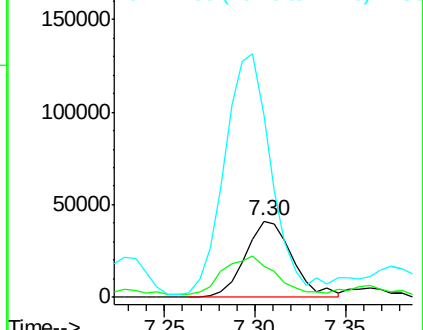
71 238.1 41.5 62.3#



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: 5.68 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

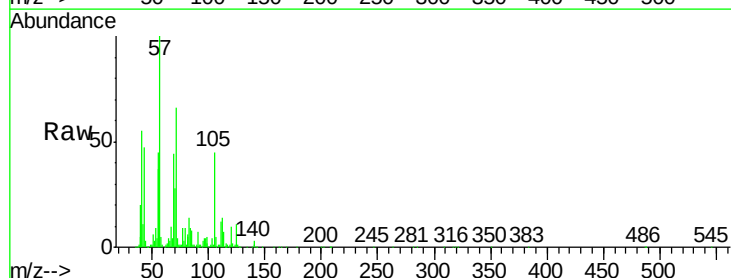
Tgt Ion: 77 Resp: 22230

Ion Ratio Lower Upper

77 100

105 471.7 58.7 98.7#

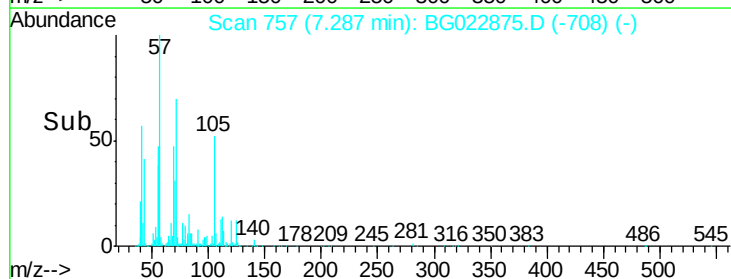
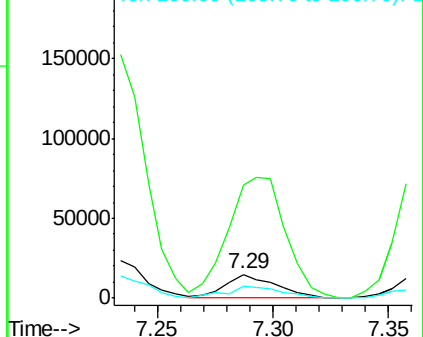
106 52.2 67.5 107.5#

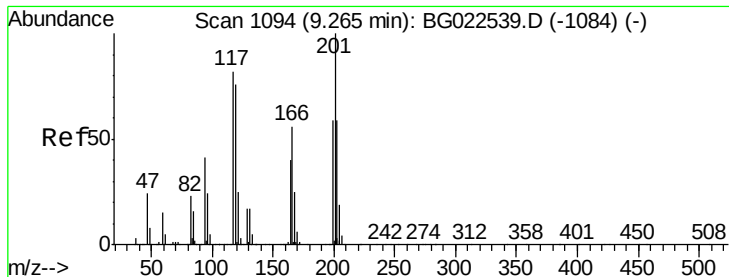


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

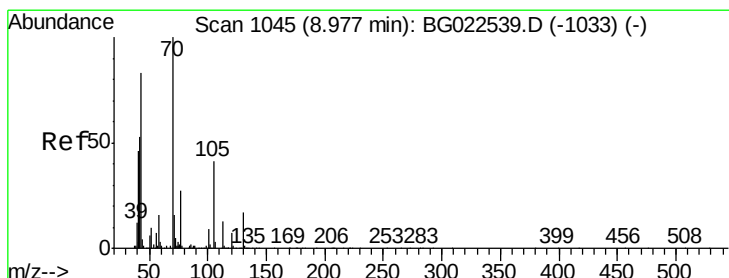
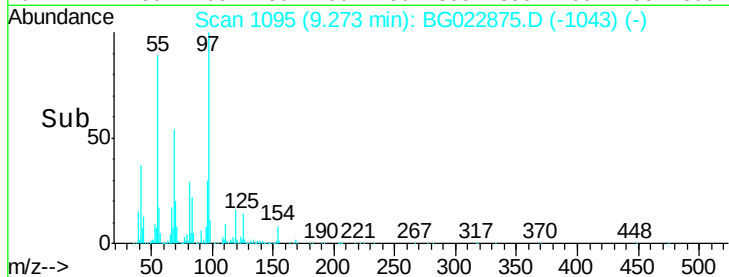
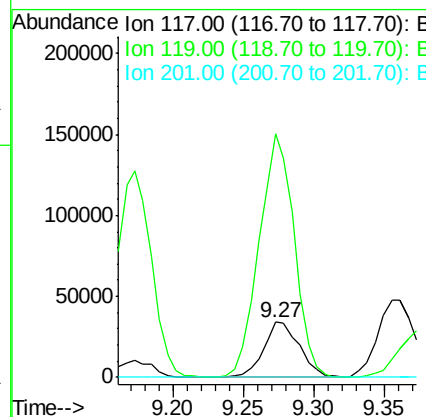
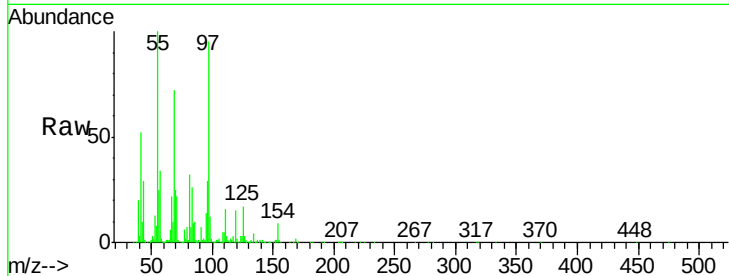




#18
Hexachloroethane
Concen: 14.44 ng
RT: 9.27 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

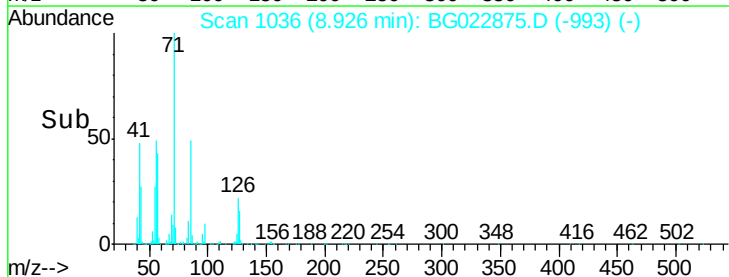
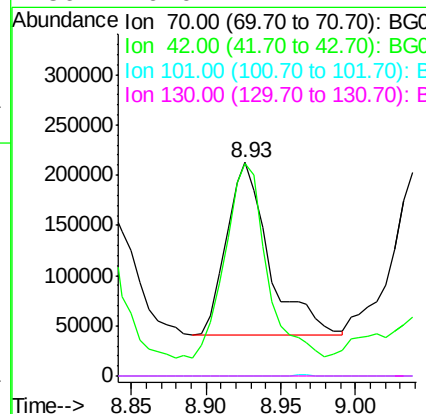
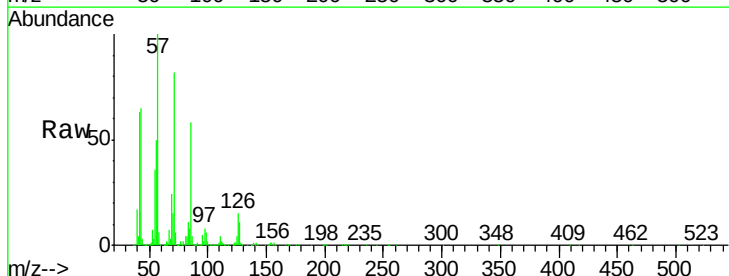
Instrument :
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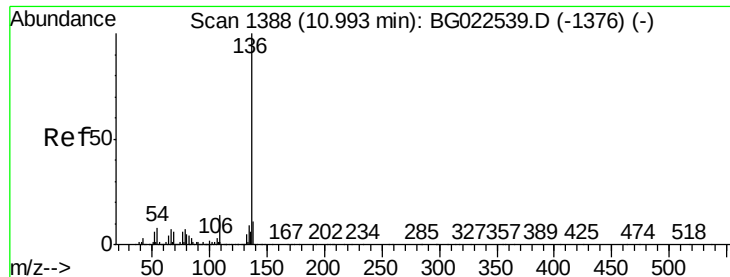
Tgt Ion: 117 Resp: 59584
Ion Ratio Lower Upper
117 100
119 440.1 73.7 110.5#
201 0.0 88.7 133.1#



#19
n-Nitroso-di-n-propylamine
Concen: 36.86 ng
RT: 8.93 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

Tgt Ion: 70 Resp: 341491
Ion Ratio Lower Upper
70 100
42 99.4 42.1 63.1#
101 0.0 7.2 10.8#
130 0.0 14.2 21.2#

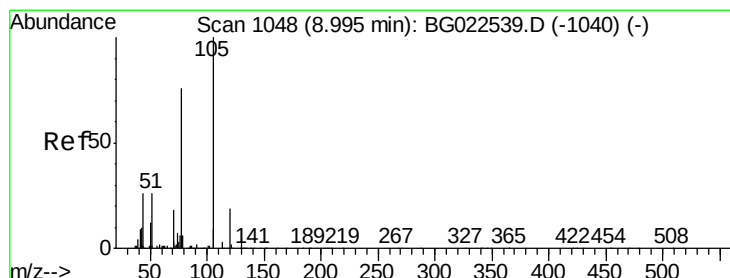
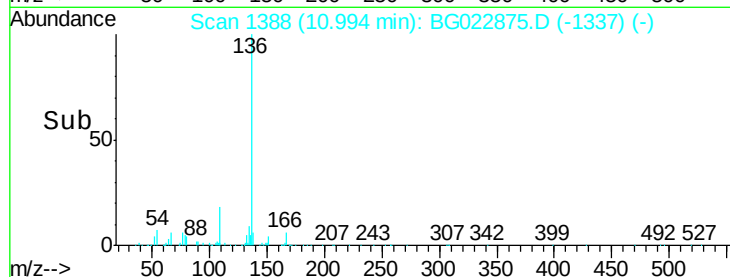
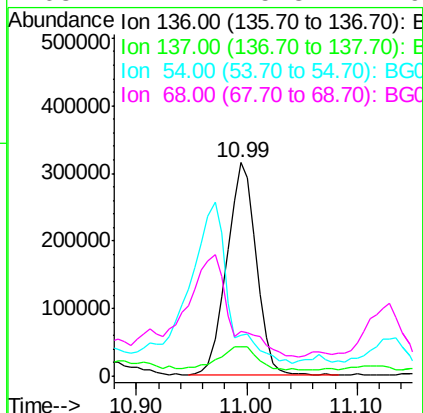
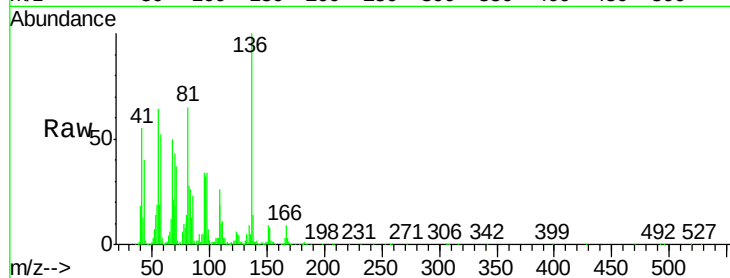




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

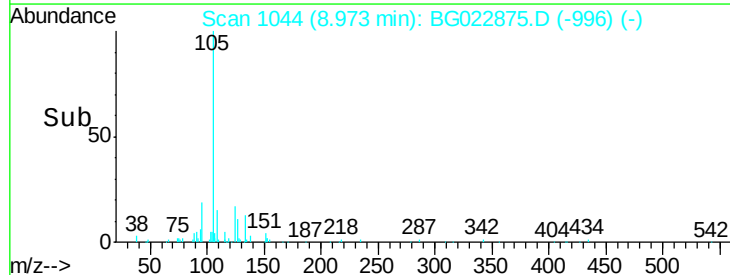
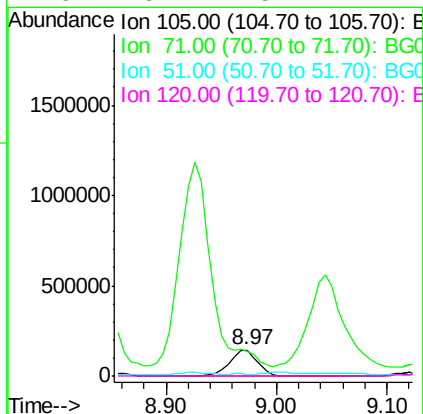
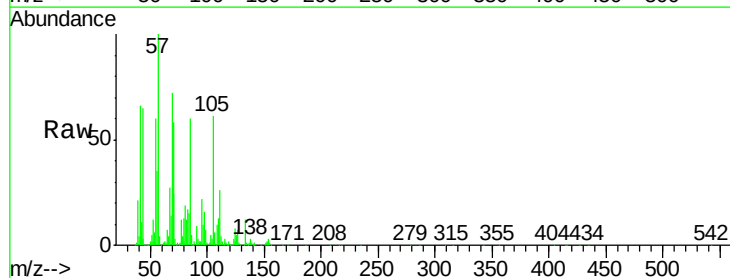
Instrument :
BNA_G
ClientSampleId :
LAR9937

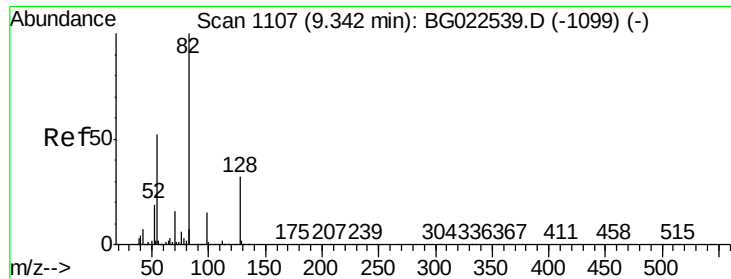
Tgt Ion:	136	Resp:	585662
Ion Ratio	Lower	Upper	
136	100		
137	13.5	9.6	14.4
54	19.1	7.3	10.9#
68	21.2	5.3	7.9#



#22
Acetophenone
Concen: 14.97 ng
RT: 8.97 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

Tgt Ion:	105	Resp:	253515
Ion Ratio	Lower	Upper	
105	100		
71	94.2	2.6	3.8#
51	7.4	27.1	40.7#
120	0.1	15.1	22.7#

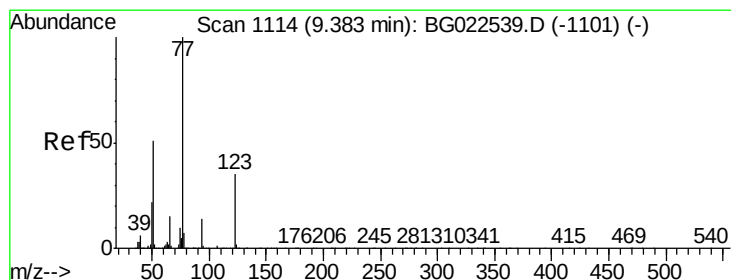
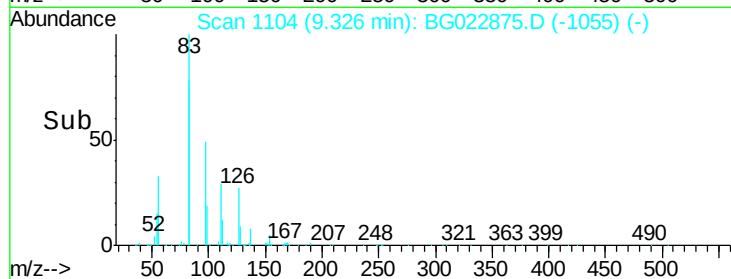
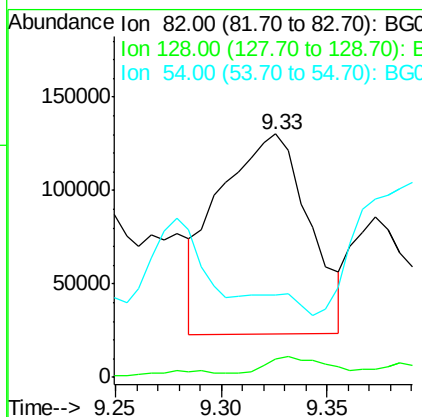
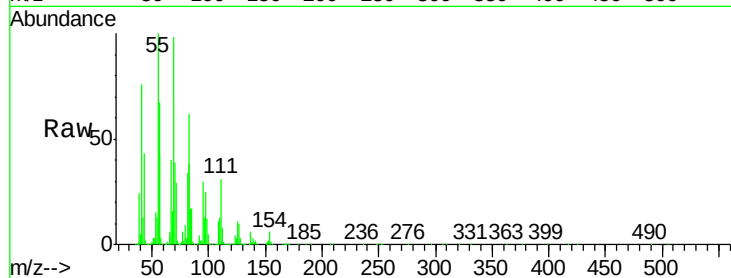




#23
 Nitrobenzene-d5
 Concen: 22.80 ng
 RT: 9.33 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: BG022875.D
 Acq: 6 Jul 2016 13:19

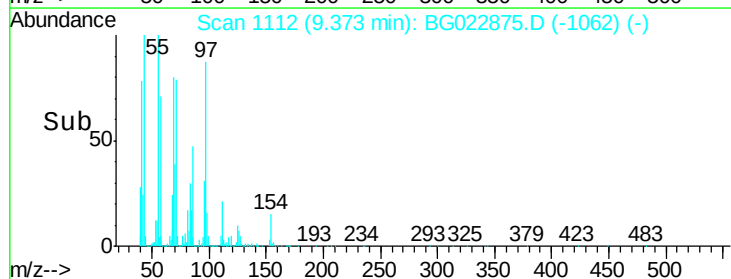
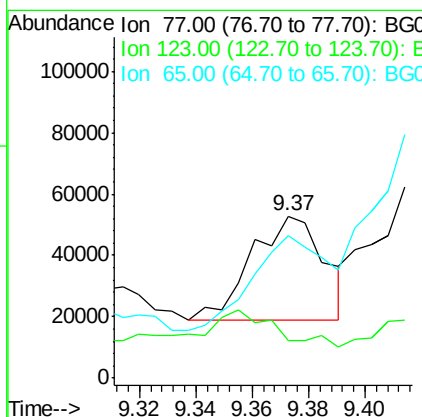
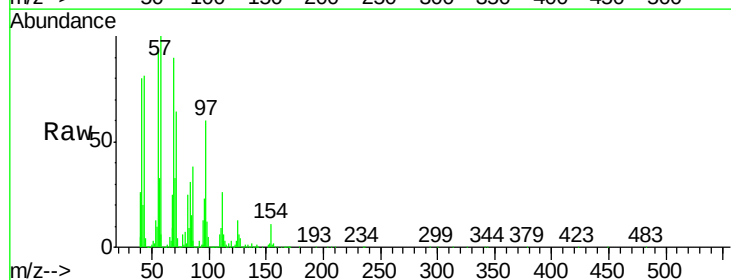
Instrument :
 BNA_G
 ClientSampleId :
 LAR9937

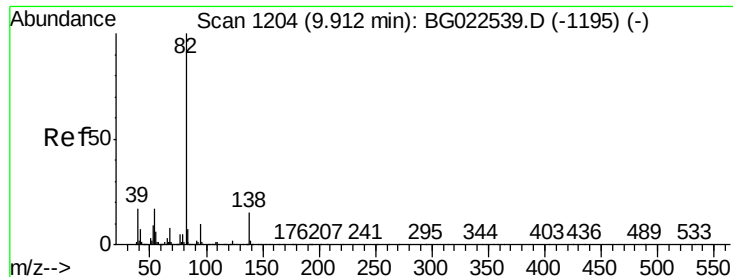
Tgt Ion: 82 Resp: 315540
 Ion Ratio Lower Upper
 82 100
 128 7.5 24.4 36.6#
 54 33.7 41.4 62.0#



#24
 Nitrobenzene
 Concen: 3.98 ng
 RT: 9.37 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BG022875.D
 Acq: 6 Jul 2016 13:19

Tgt Ion: 77 Resp: 60857
 Ion Ratio Lower Upper
 77 100
 123 23.2 25.0 37.6#
 65 87.9 13.4 20.0#





#25

Isophorone

Concen: 29.26 ng

RT: 9.91 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

Instrument :

BNA_G

ClientSampleId :

LAR9937

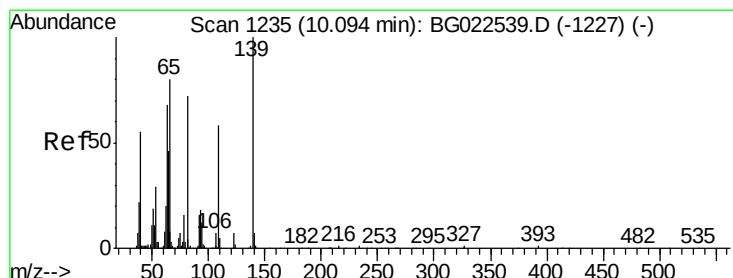
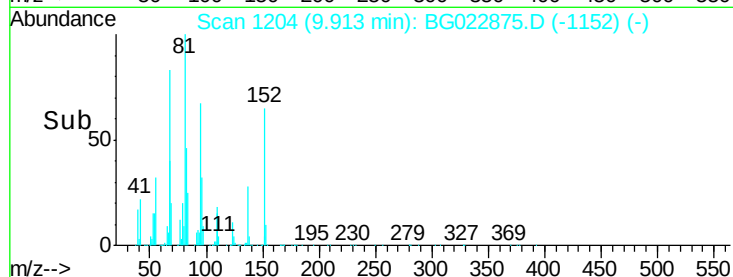
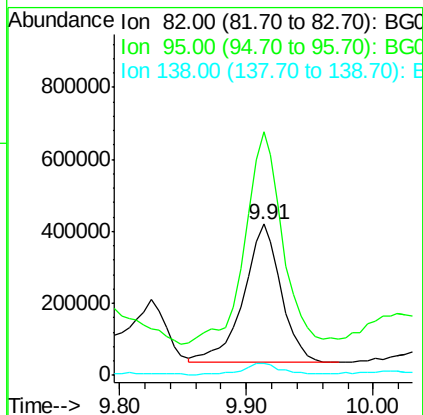
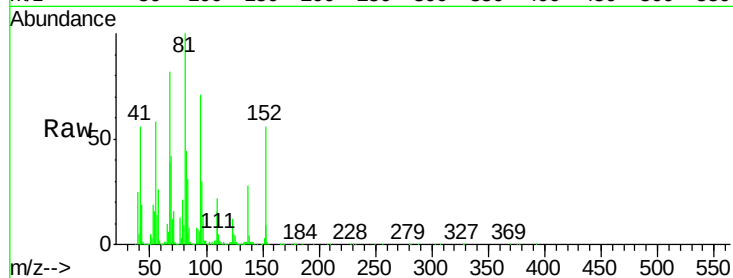
Tgt Ion: 82 Resp: 785880

Ion Ratio Lower Upper

82 100

95 160.9 8.2 12.2#

138 8.1 10.7 16.1#



#26

2-Nitrophenol

Concen: 13.69 ng

RT: 10.10 min Scan# 1236

Delta R.T. 0.01 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

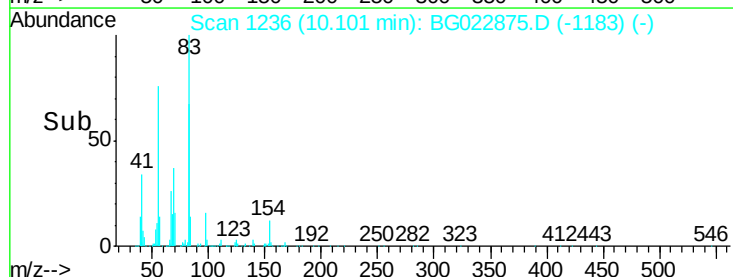
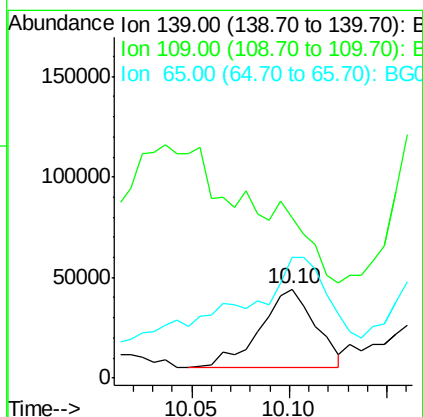
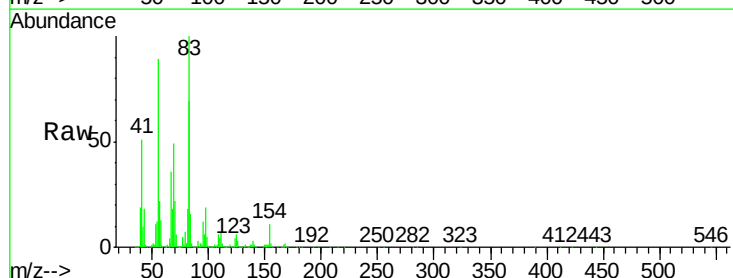
Tgt Ion: 139 Resp: 75402

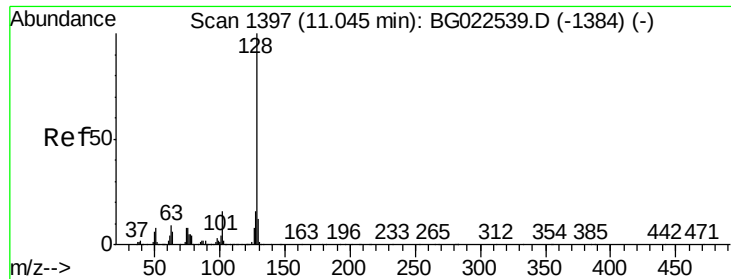
Ion Ratio Lower Upper

139 100

109 180.3 43.5 65.3#

65 135.5 64.3 96.5#

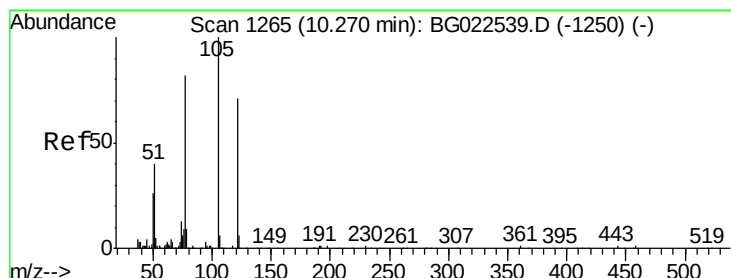
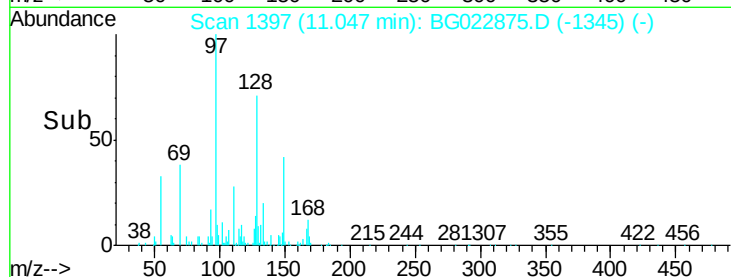
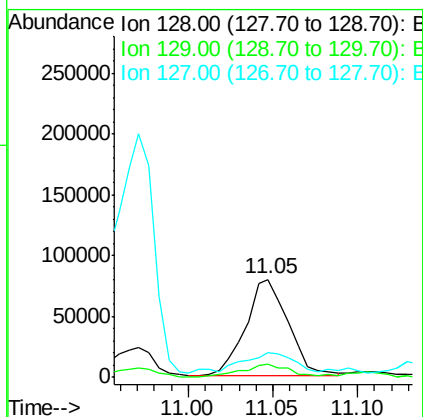
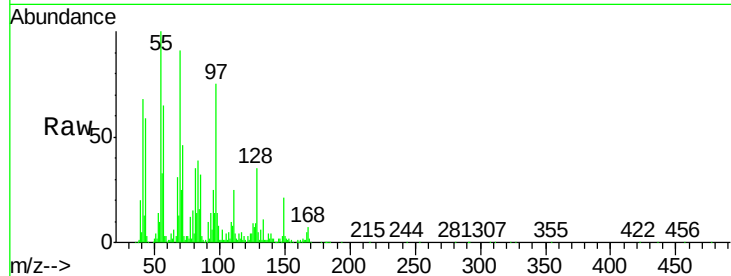




#31
Naphthalene
Concen: 4.76 ng
RT: 11.05 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

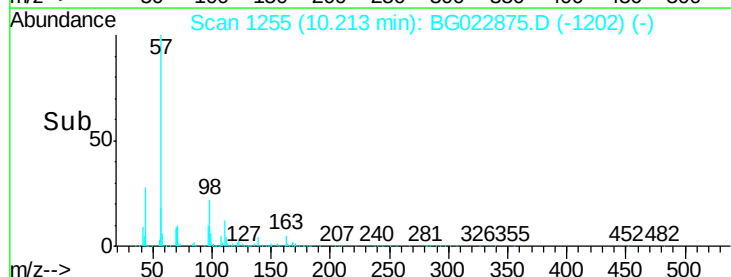
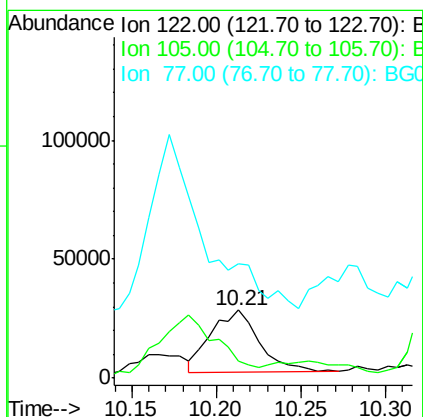
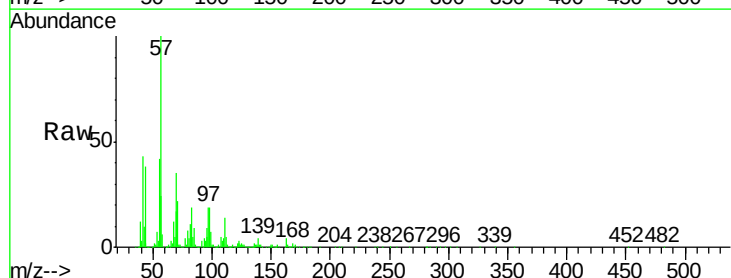
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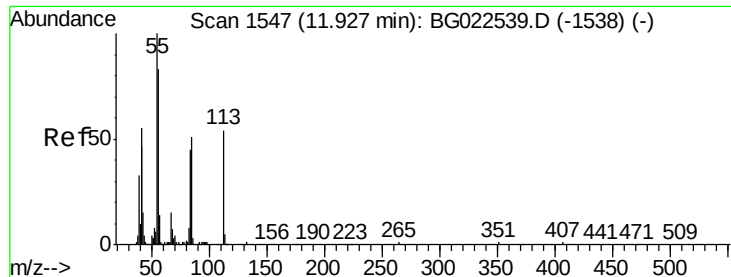
Tgt Ion:128 Resp: 140094
Ion Ratio Lower Upper
128 100
129 13.5 9.4 14.0
127 24.7 11.3 16.9#



#32
Benzoic acid
Concen: 11.81 ng
RT: 10.21 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

Tgt Ion:122 Resp: 51603
Ion Ratio Lower Upper
122 100
105 25.8 117.2 157.2#
77 168.5 109.2 149.2#





#35

Caprolactam

Concen: 10.84 ng

RT: 11.88 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

Instrument :

BNA_G

ClientSampleId :

LAR9937

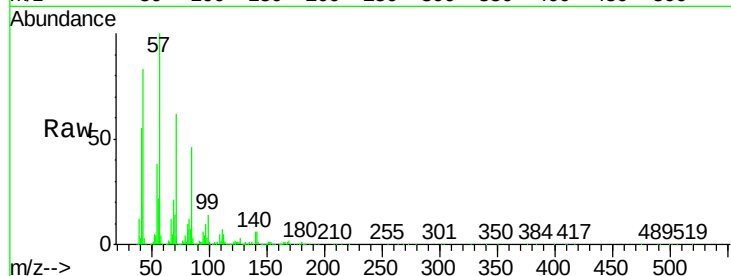
Tgt Ion:113 Resp: 35019

Ion Ratio Lower Upper

113 100

55 714.2 154.5 194.5#

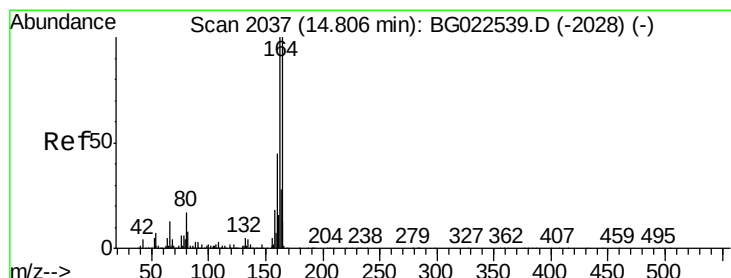
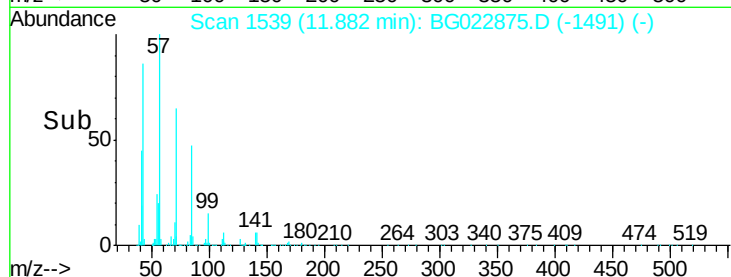
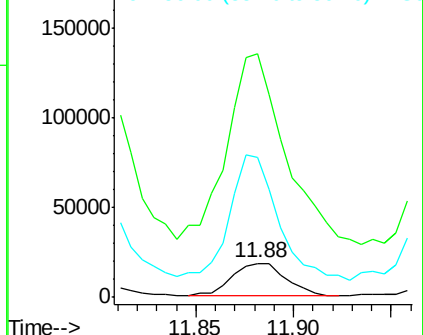
56 411.6 125.1 165.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

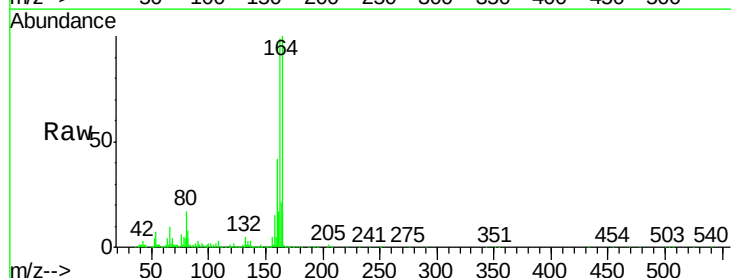
Tgt Ion:164 Resp: 431630

Ion Ratio Lower Upper

164 100

162 98.9 87.7 131.5

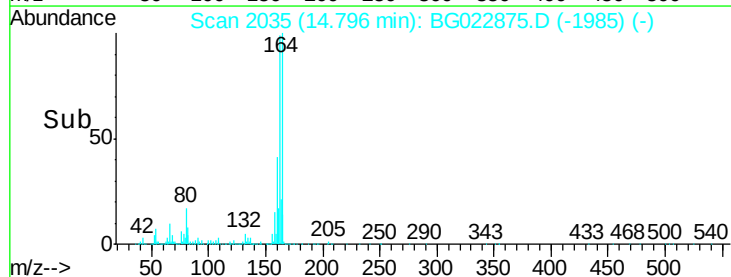
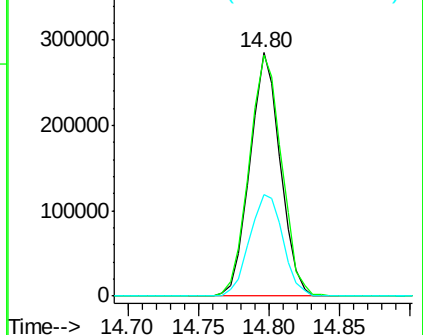
160 41.6 37.2 55.8

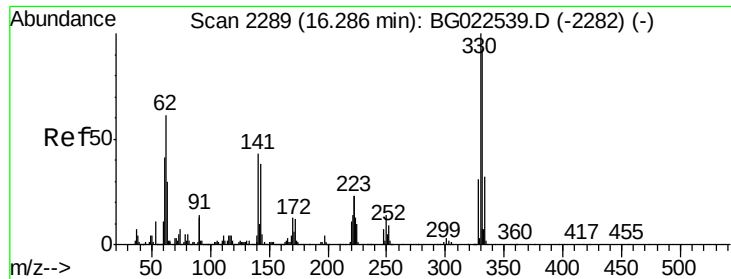


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

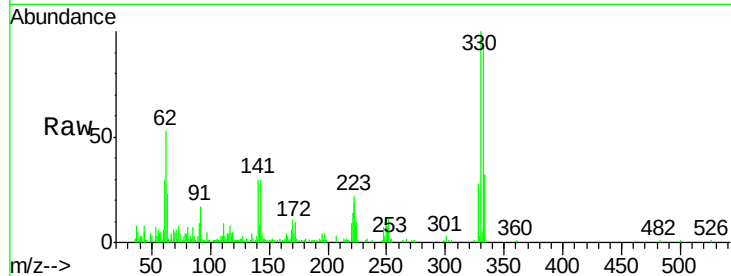




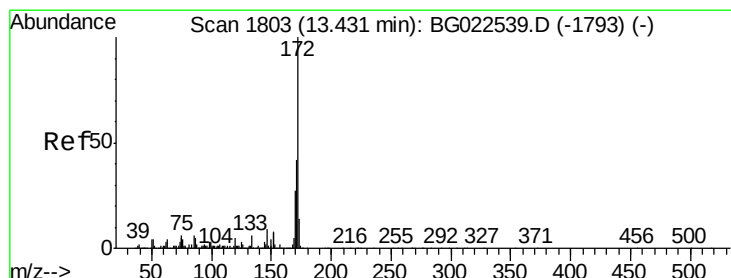
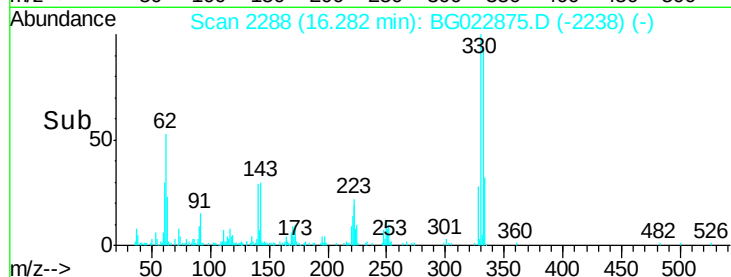
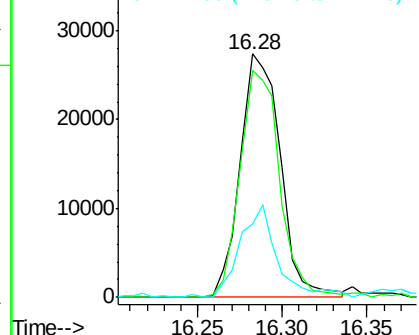
#41
 2,4,6-Tribromophenol
 Concen: 6.69 ng
 RT: 16.28 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: BG022875.D
 Acq: 6 Jul 2016 13:19

Instrument :
 BNA_G
 ClientSampleId :
 LAR9937

Tgt Ion: 330 Resp: 45385
 Ion Ratio Lower Upper
 330 100
 332 91.4 77.4 116.2
 141 35.3 31.7 47.5

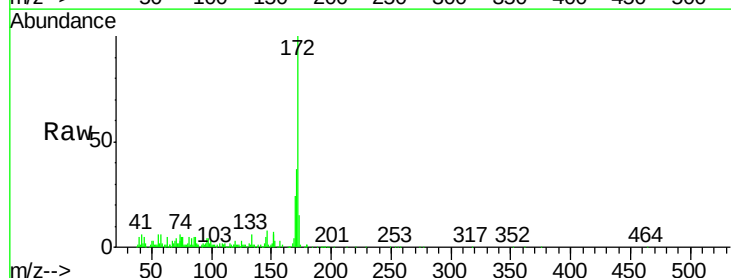


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

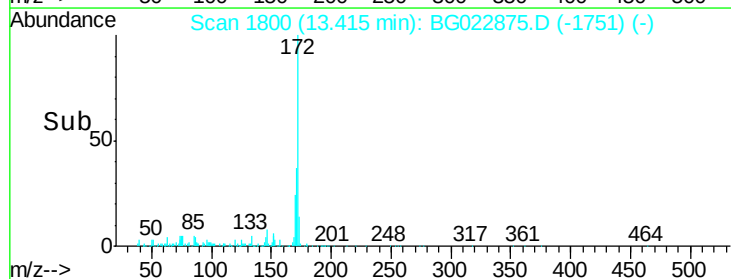
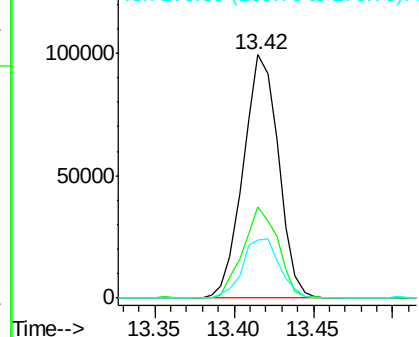


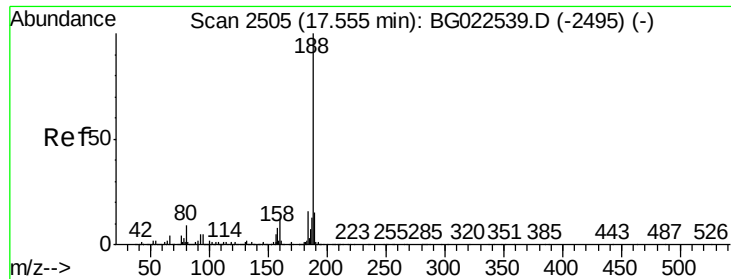
#44
 2-Fluorobiphenyl
 Concen: 5.65 ng
 RT: 13.42 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BG022875.D
 Acq: 6 Jul 2016 13:19

Tgt Ion: 172 Resp: 153674
 Ion Ratio Lower Upper
 172 100
 171 37.4 31.6 47.4
 170 23.7 21.3 31.9



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

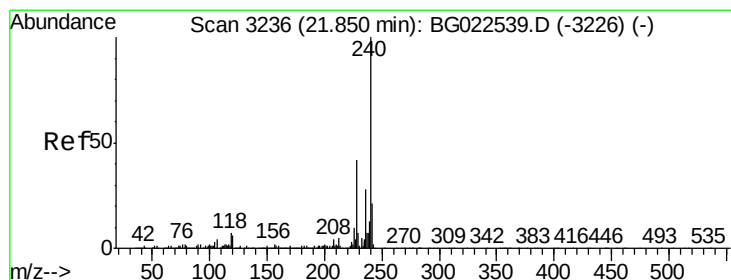
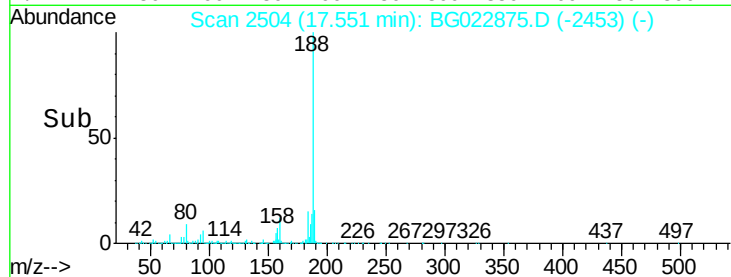
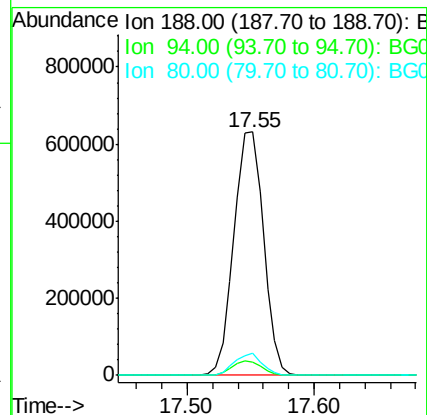
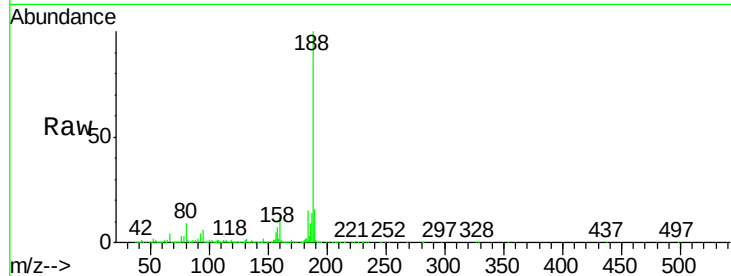




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

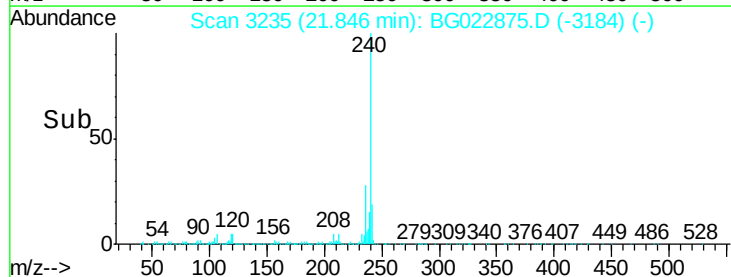
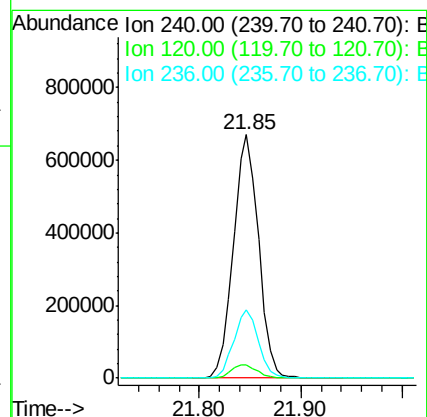
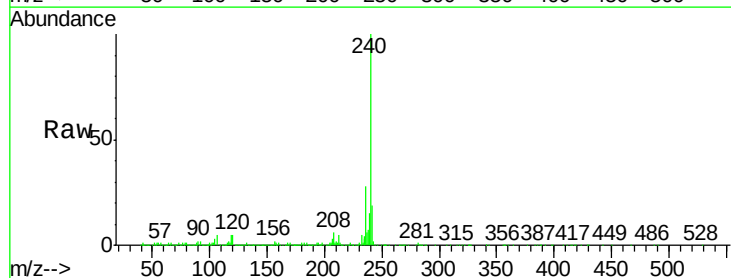
Instrument :
BNA_G
ClientSampleId :
LAR9937

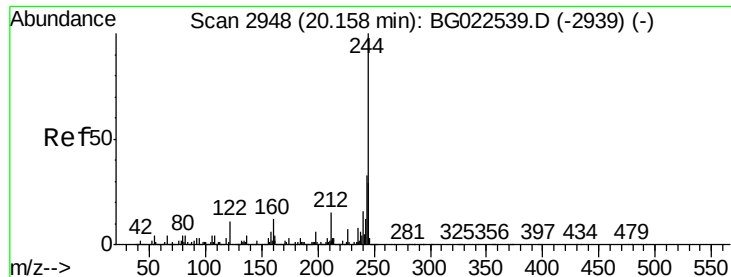
Tgt Ion:188 Resp: 1020671
Ion Ratio Lower Upper
188 100
94 5.6 5.2 7.8
80 8.9 7.2 10.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. 0.00 min
Lab File: BG022875.D
Acq: 6 Jul 2016 13:19

Tgt Ion:240 Resp: 1147351
Ion Ratio Lower Upper
240 100
120 5.4 4.1 6.1
236 27.9 21.1 31.7





#78

Terphenyl-d14

Concen: 5.89 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

Instrument :

BNA_G

ClientSampled :

LAR9937

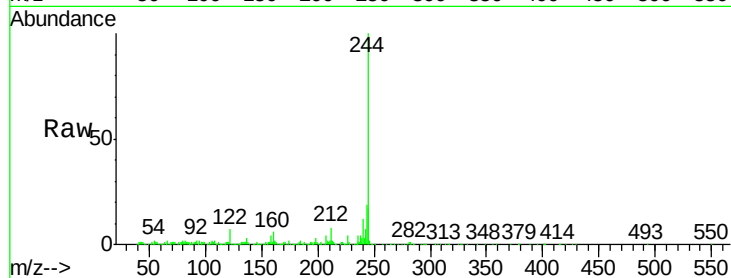
Tgt Ion:244 Resp: 255280

Ion Ratio Lower Upper

244 100

212 7.7 10.8 16.2#

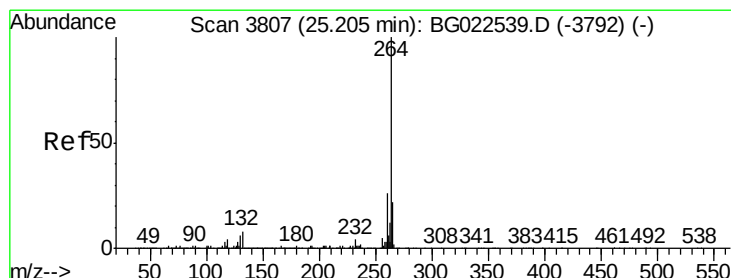
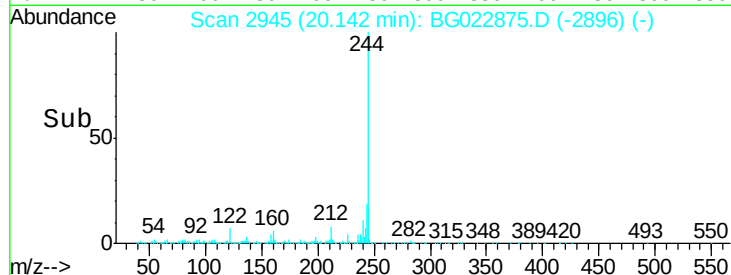
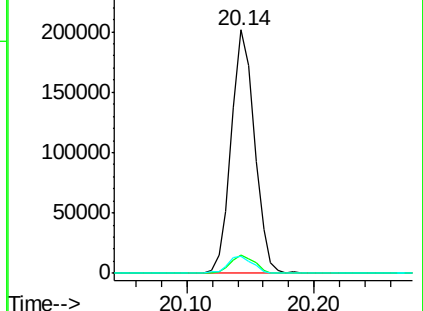
122 6.9 8.0 12.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.21 min Scan# 3808

Delta R.T. 0.01 min

Lab File: BG022875.D

Acq: 6 Jul 2016 13:19

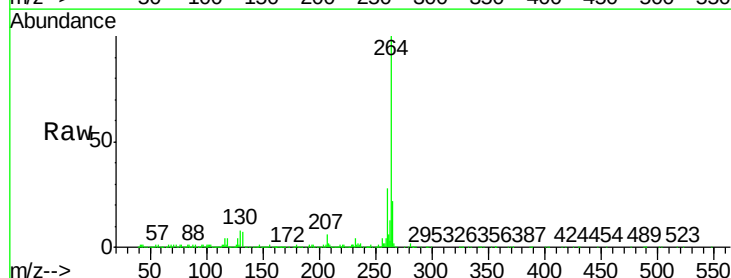
Tgt Ion:264 Resp: 1161211

Ion Ratio Lower Upper

264 100

260 27.6 18.4 27.6#

265 21.6 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

