

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060717\
 Data File : BG027304.D
 Acq On : 8 Jun 2017 4:27
 Operator : SJ/MA
 Sample : I3488-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 08 06:14:43 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:00:35 2017
 Response via : Initial Calibration

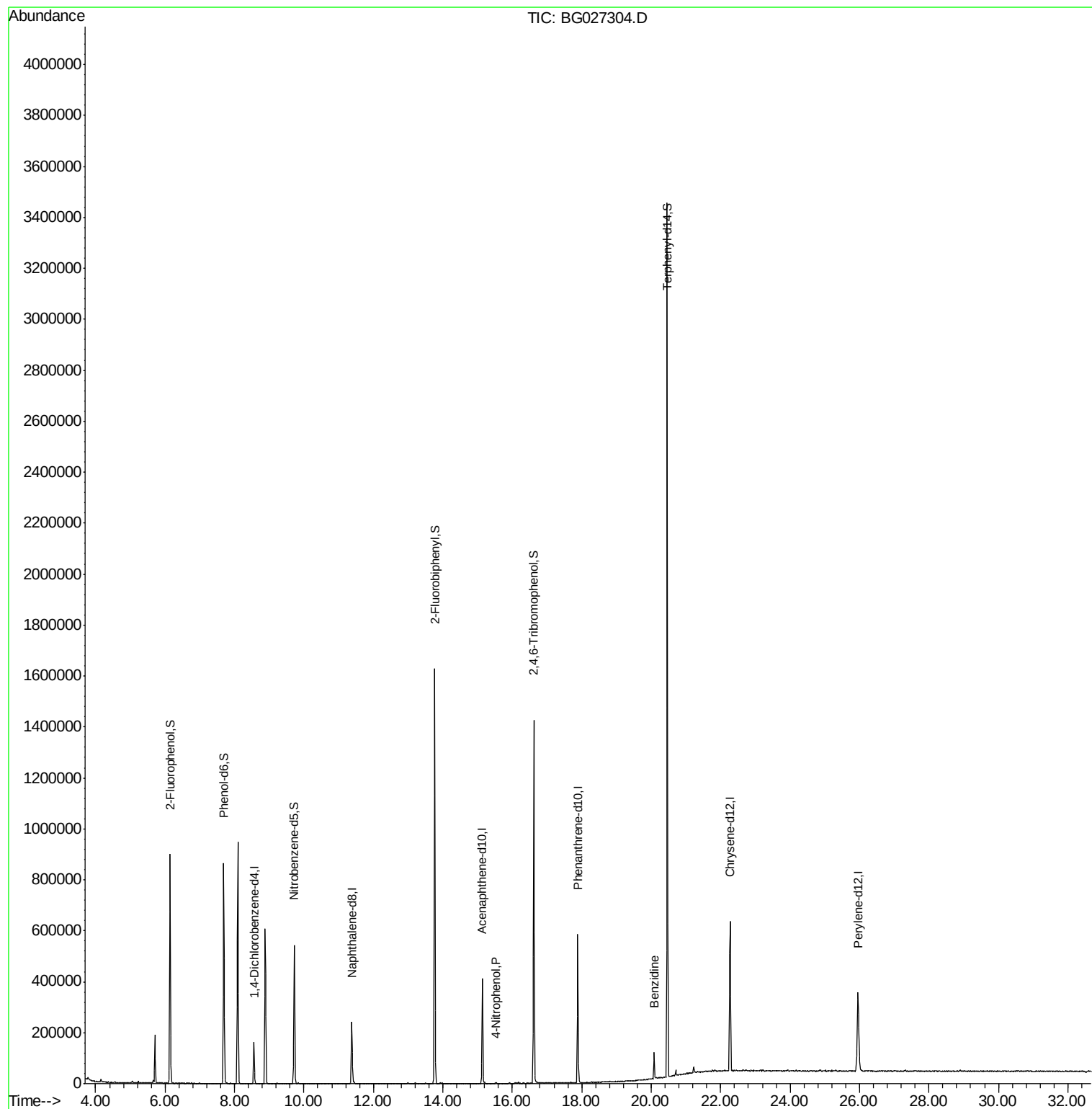
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.56	152	47153	20.00	ng	-0.02
21) Naphthalene-d8	11.38	136	221408	20.00	ng	-0.02
38) Acenaphthene-d10	15.13	164	146425	20.00	ng	-0.02
63) Phenanthrene-d10	17.88	188	371281	20.00	ng	-0.03
75) Chrysene-d12	22.27	240	413639	20.00	ng	-0.04
86) Perylene-d12	25.95	264	383981	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	428476	138.66	ng	-0.01
7) Phenol-d6	7.69	99	563344	124.20	ng	-0.01
23) Nitrobenzene-d5	9.72	82	370660	105.28	ng	-0.02
41) 2,4,6-Tribromophenol	16.62	330	294467	152.72	ng	-0.02
44) 2-Fluorobiphenyl	13.77	172	890663	85.10	ng	-0.02
78) Terphenyl-d14	20.46	244	1566219	96.59	ng	-0.03
Target Compounds						
55) 4-Nitrophenol	15.53	139	697	6.42	ng	Qvalue # 1
76) Benzidine	20.09	184	63744	5.12	ng	97

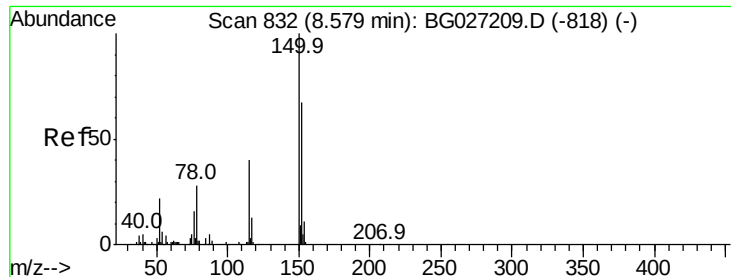
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.56 min Scan# 829

Delta R.T. -0.02 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

Instrument :

BNA_G

ClientSampleId :

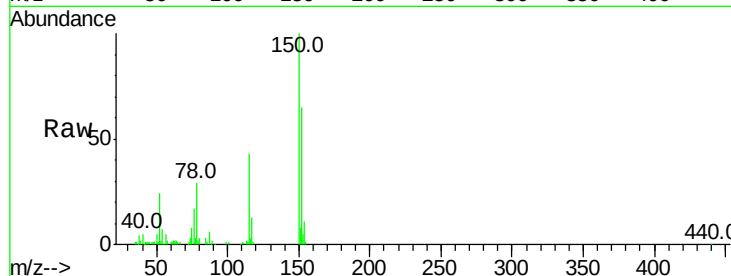
Tot Ion:152 Resp: 47153

Ion Ratio Lower Upper

152 100

150 153.2 114.0 171.0

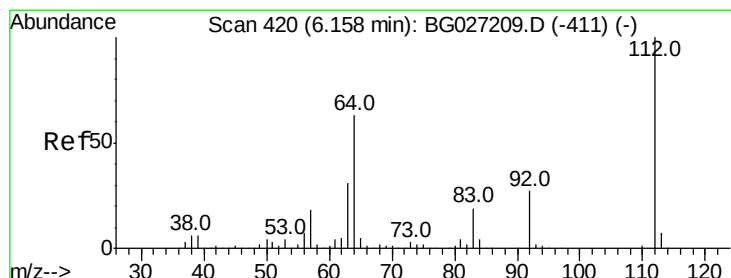
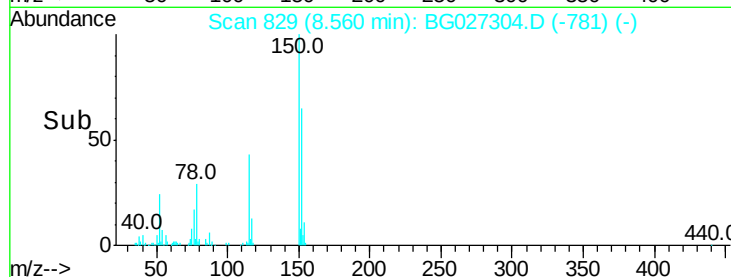
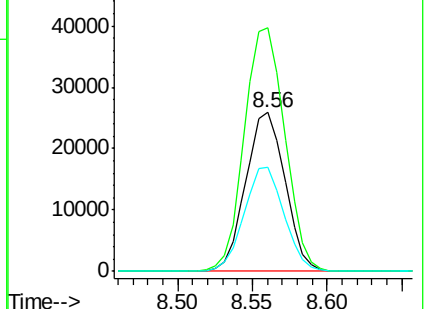
115 65.7 48.1 72.1



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: 138.66 ng

RT: 6.15 min Scan# 418

Delta R.T. -0.01 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

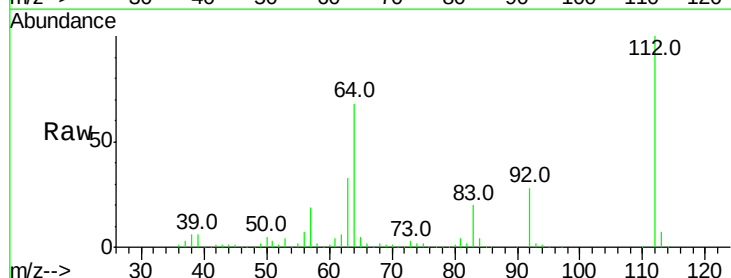
Tgt Ion:112 Resp: 428476

Ion Ratio Lower Upper

112 100

64 67.8 61.8 92.6

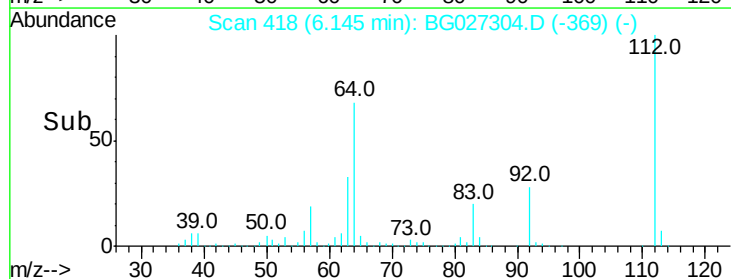
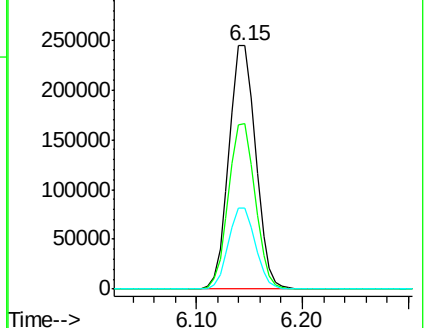
63 33.2 37.2 55.8#

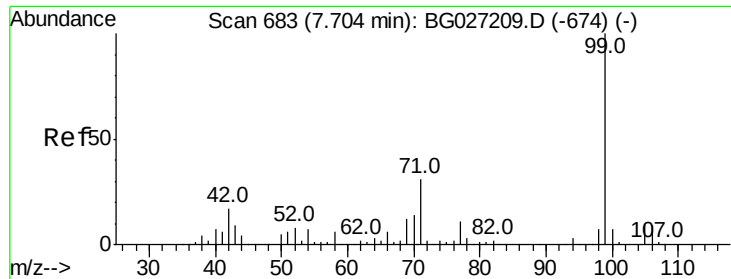


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 124.20 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

Instrument :

BNA_G

ClientSampleId :

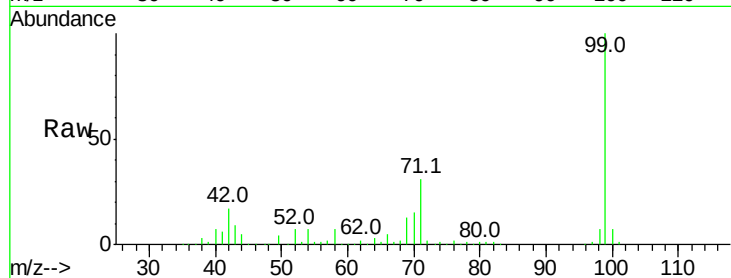
Tot Ion: 99 Resp: 563344

Ion Ratio Lower Upper

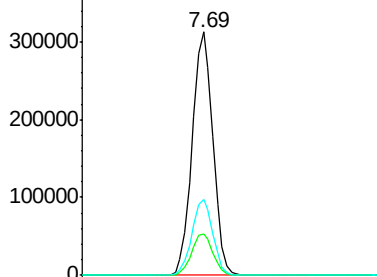
99 100

42 16.8 20.5 30.7#

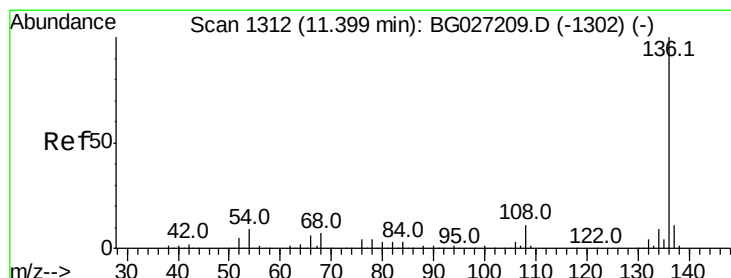
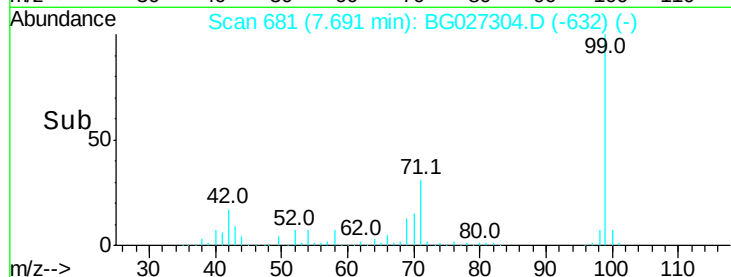
71 31.3 37.6 56.4#



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.38 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

Tgt Ion: 136 Resp: 221408

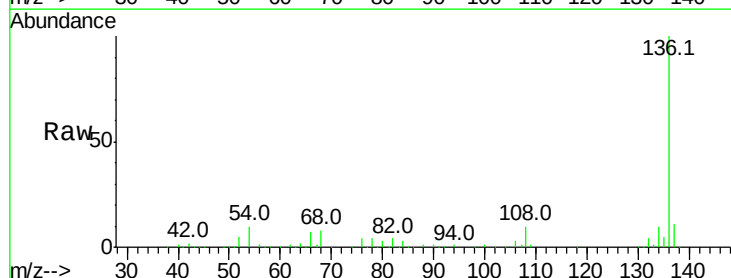
Ion Ratio Lower Upper

136 100

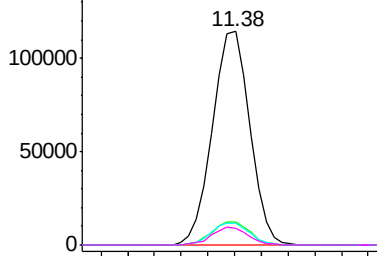
137 11.1 8.9 13.3

54 10.2 9.3 13.9

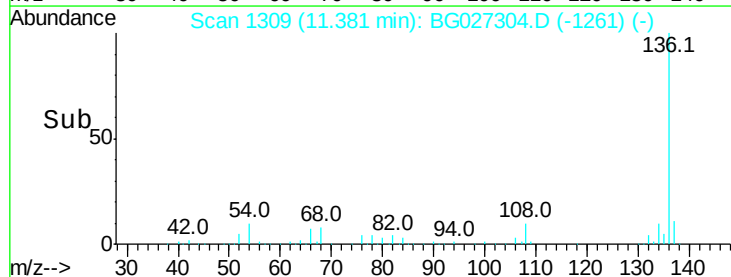
68 7.8 5.1 7.7#

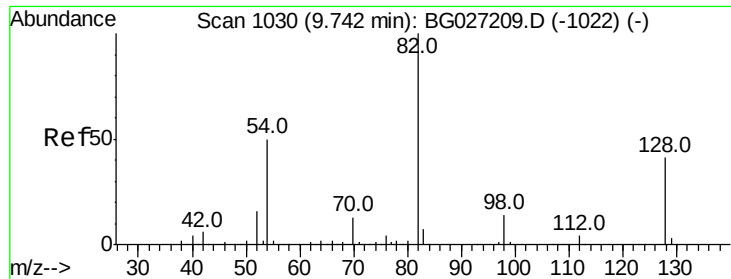


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



Time-->

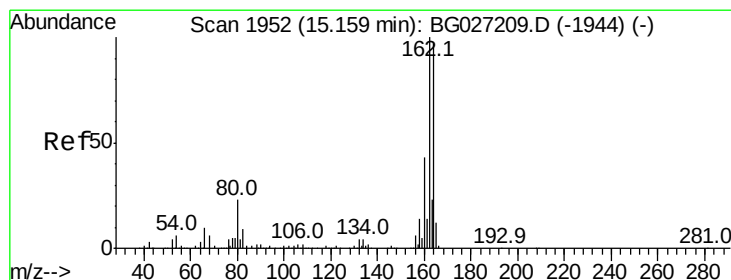
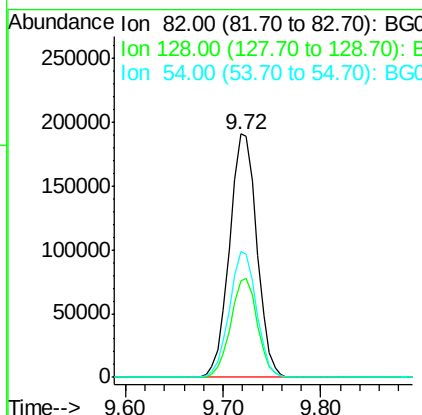
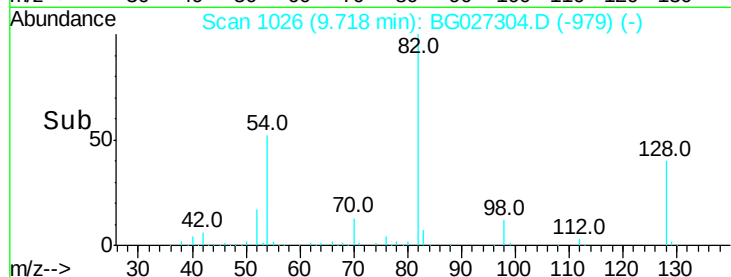
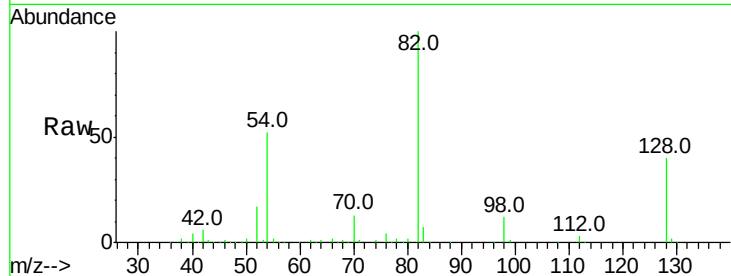




#23
Nitrobenzene-d5
Concen: 105.28 ng
RT: 9.72 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BG027304.D
Acq: 8 Jun 2017 4:27

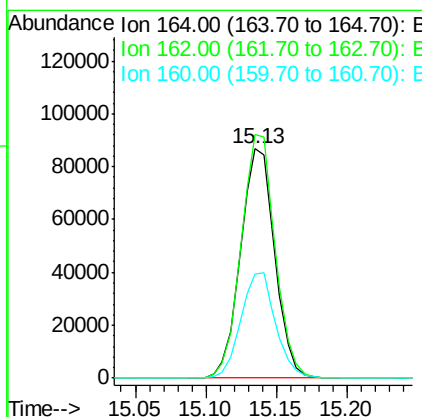
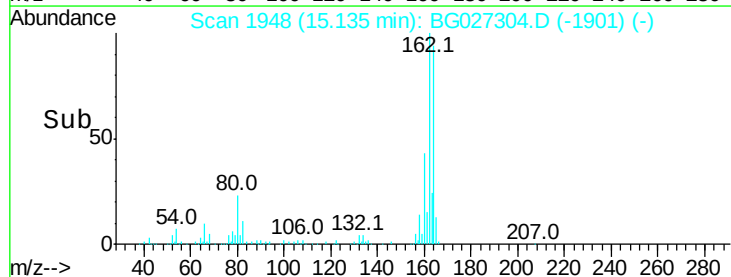
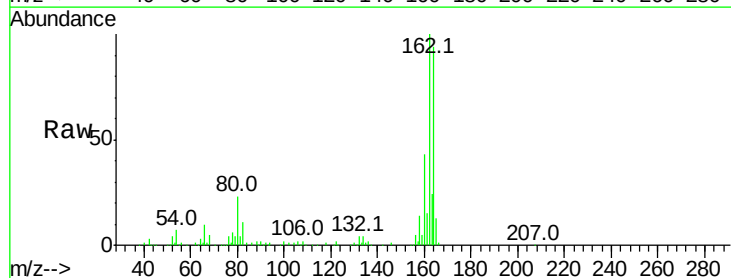
Instrument :
BNA_G
ClientSampled :

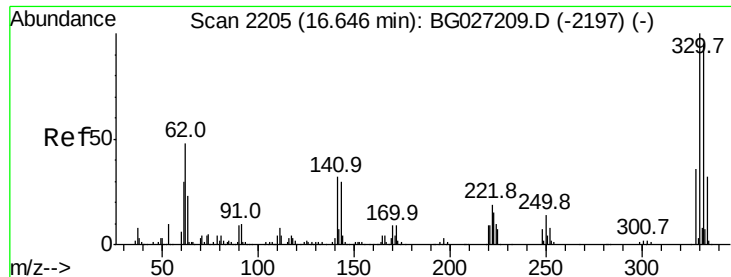
Tot Ion	82	Resp	370660
Ion	Ratio	Lower	Upper
82	100		
128	39.5	26.4	39.6
54	51.7	49.4	74.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.13 min Scan# 1948
Delta R.T. -0.02 min
Lab File: BG027304.D
Acq: 8 Jun 2017 4:27

Tgt Ion	164	Resp	146425
Ion	Ratio	Lower	Upper
164	100		
162	106.2	85.1	127.7
160	45.3	34.7	52.1

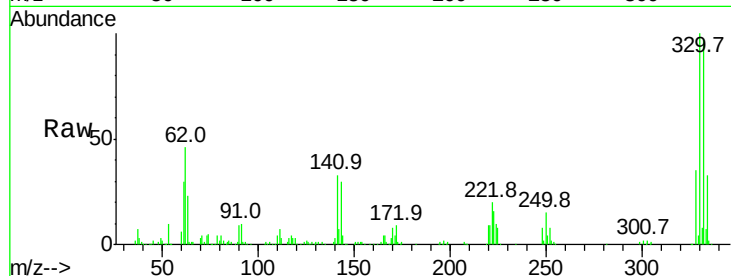




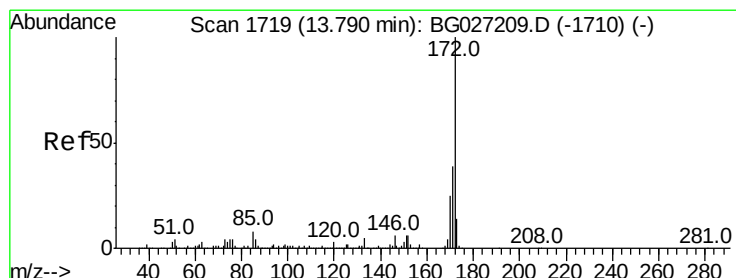
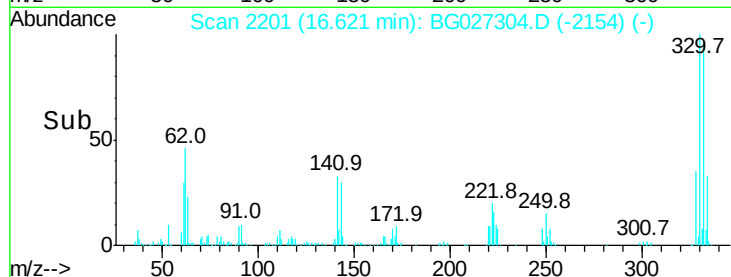
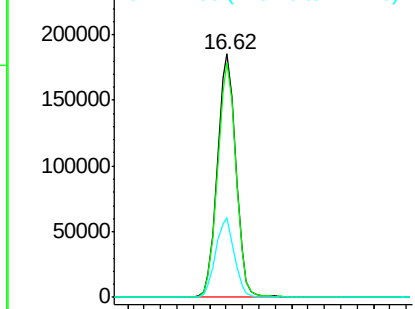
#41
 2,4,6-Tribromophenol
 Concen: 152.72 ng
 RT: 16.62 min Scan# 2201
 Delta R.T. -0.02 min
 Lab File: BG027304.D
 Acq: 8 Jun 2017 4:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.3	115.9
141	33.0	32.1	48.1

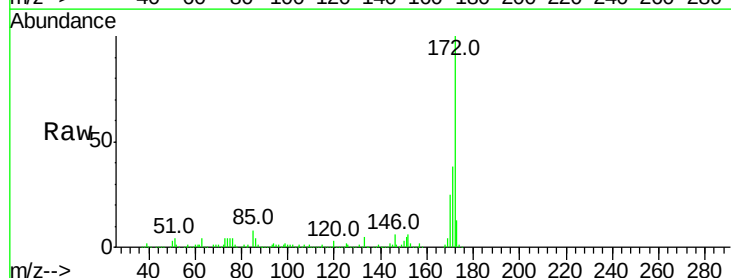


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

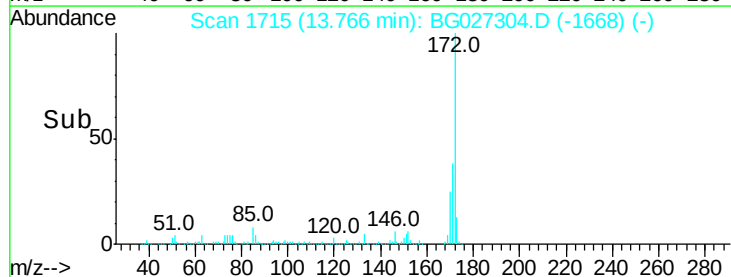
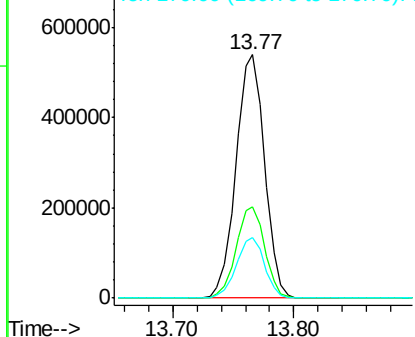


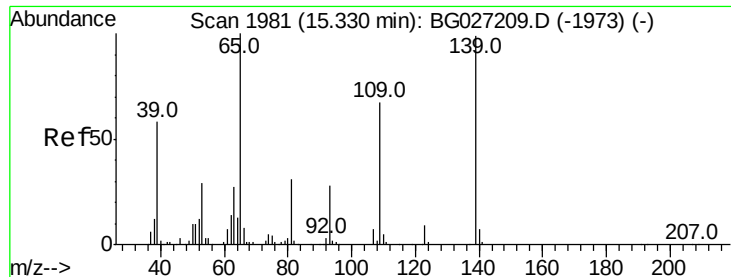
#44
 2-Fluorobiphenyl
 Concen: 85.10 ng
 RT: 13.77 min Scan# 1715
 Delta R.T. -0.02 min
 Lab File: BG027304.D
 Acq: 8 Jun 2017 4:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	32.2	48.2
170	25.0	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





#55

4-Nitrophenol

Concen: 6.42 ng

RT: 15.53 min Scan# 2015

Delta R.T. 0.20 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

Instrument :

BNA_G

ClientSampleId :

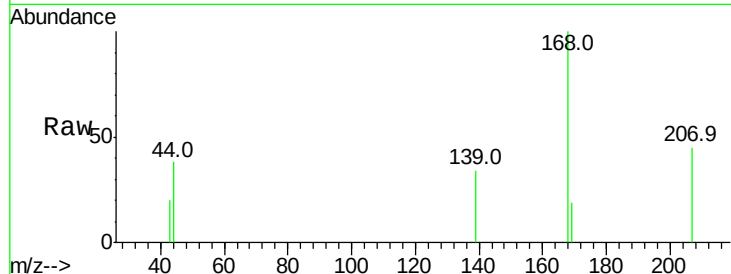
Tot Ion:139 Resp: 697

Ion Ratio Lower Upper

139 100

109 0.0 101.2 141.2#

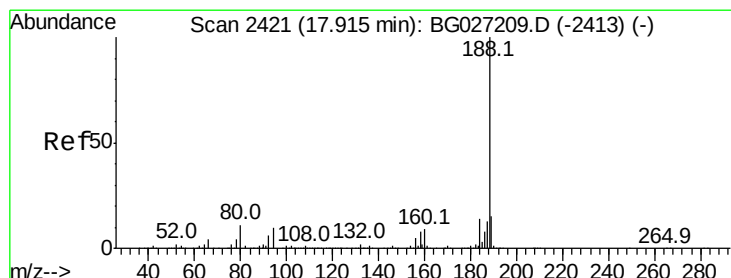
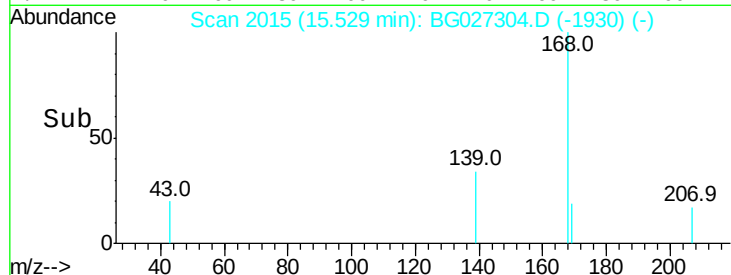
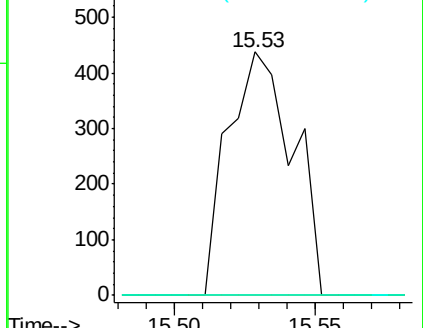
65 0.0 135.3 175.3#



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): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.88 min Scan# 2416

Delta R.T. -0.03 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

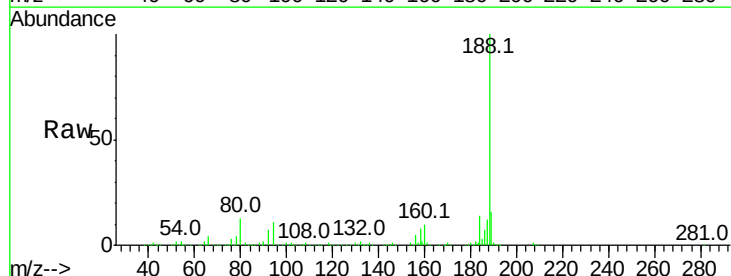
Tgt Ion:188 Resp: 371281

Ion Ratio Lower Upper

188 100

94 10.8 5.8 8.8#

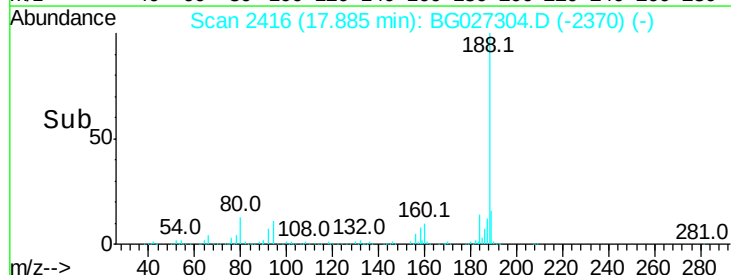
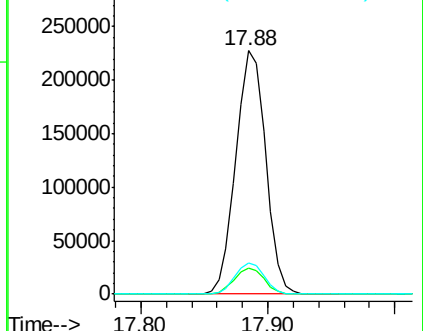
80 12.7 7.5 11.3#

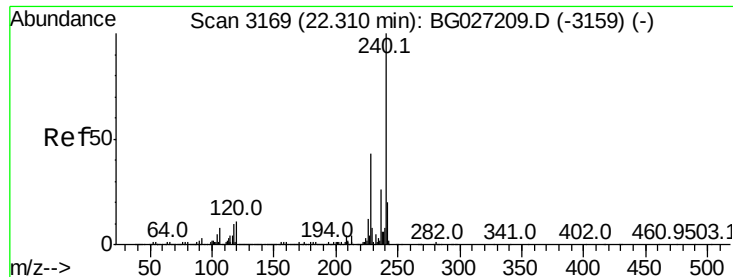


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.27 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

Instrument :

BNA_G

ClientSampled :

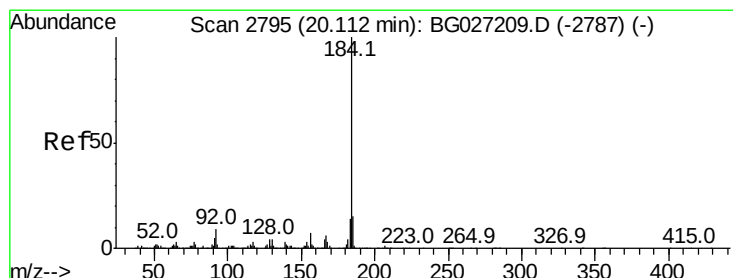
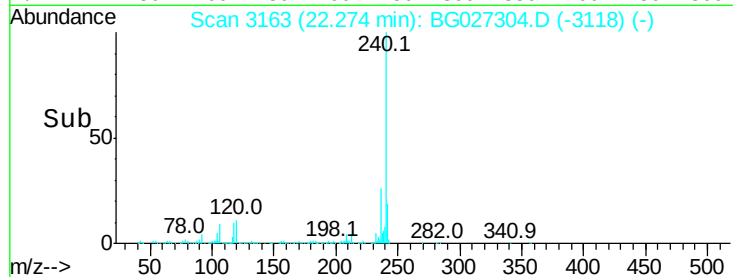
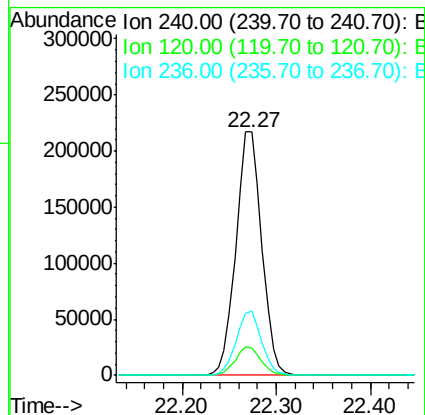
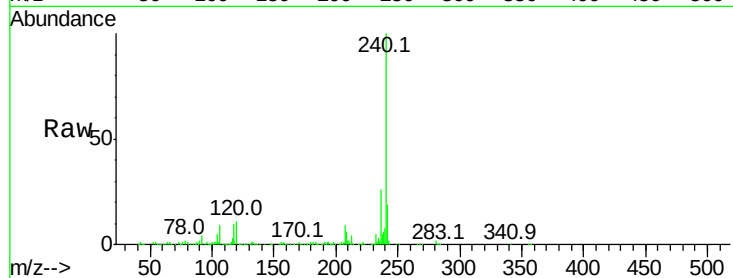
Tot Ion:240 Resp: 413639

Ion Ratio Lower Upper

240 100

120 11.4 5.7 8.5#

236 26.2 22.2 33.4



#76

Benzidine

Concen: 5.12 ng

RT: 20.09 min Scan# 2791

Delta R.T. -0.02 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

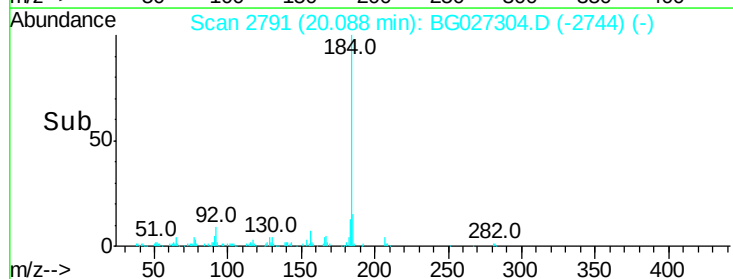
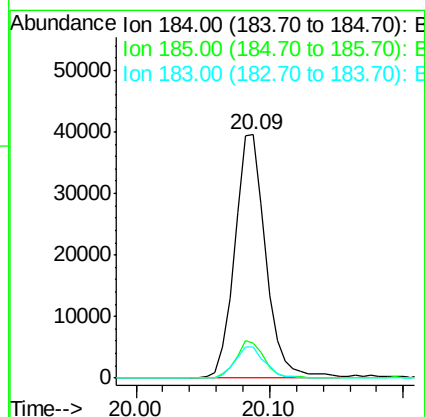
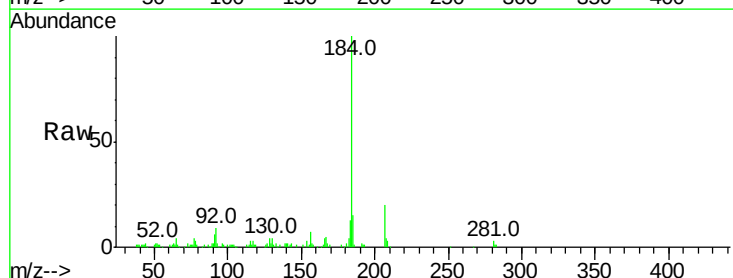
Tgt Ion:184 Resp: 63744

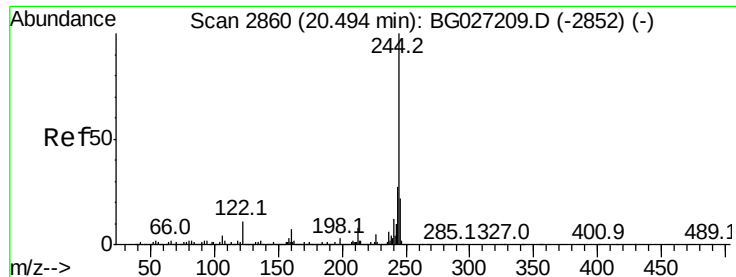
Ion Ratio Lower Upper

184 100

185 14.6 13.0 19.6

183 13.0 11.0 16.6





#78

Terphenyl-d14

Concen: 96.59 ng

RT: 20.46 min Scan# 2855

Delta R.T. -0.03 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

Instrument :

BNA_G

ClientSampled :

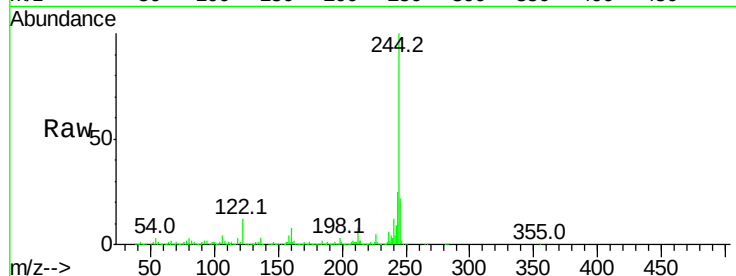
Tot Ion:244 Resp: 1566219

Ion Ratio Lower Upper

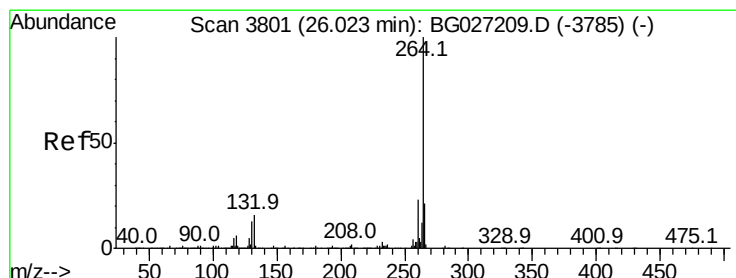
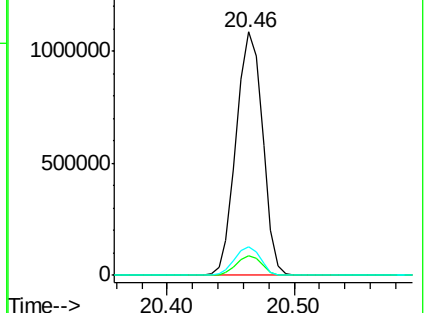
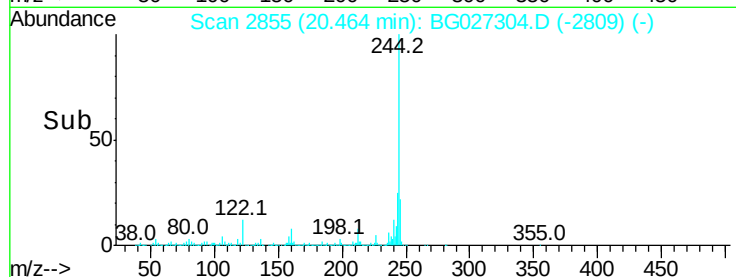
244 100

212 8.1 10.0 15.0#

122 11.7 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: 25.95 min Scan# 3789

Delta R.T. -0.07 min

Lab File: BG027304.D

Acq: 8 Jun 2017 4:27

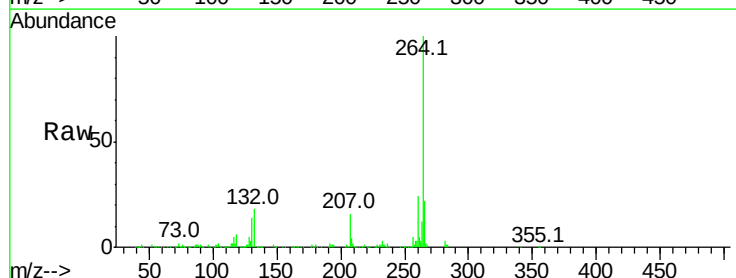
Tgt Ion:264 Resp: 383981

Ion Ratio Lower Upper

264 100

260 23.8 21.8 32.8

265 21.5 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

