

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020718\
 Data File : BG032602.D
 Acq On : 7 Feb 2018 20:20
 Operator : SJ/JU
 Sample : J1461-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 08 02:26:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

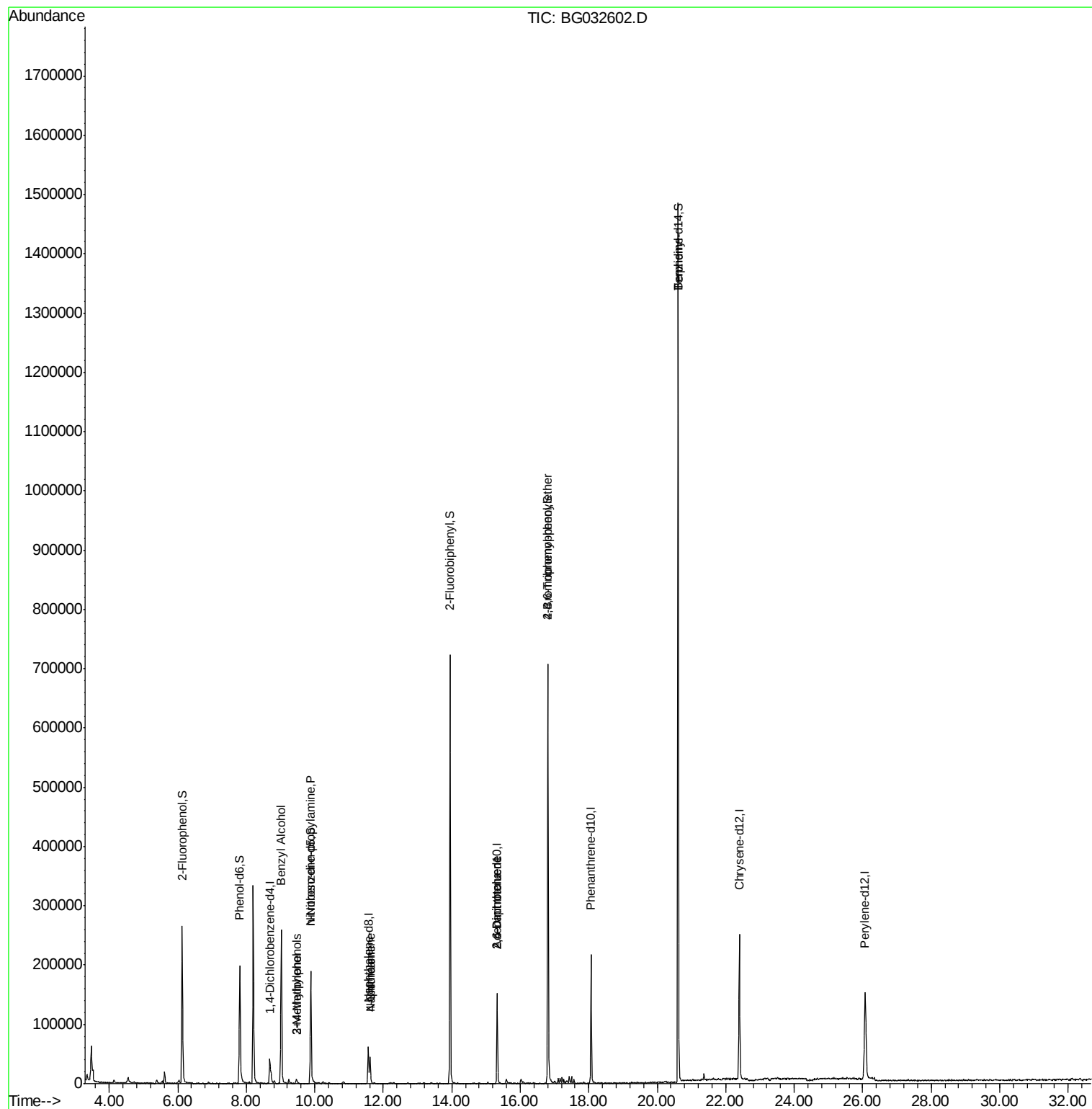
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	16969	20.00	ng	-0.02
21) Naphthalene-d8	11.56	136	67415	20.00	ng	-0.02
38) Acenaphthene-d10	15.33	164	60592	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	159979	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	198244	20.00	ng	-0.01
86) Perylene-d12	26.07	264	221456	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	142419	168.58	ng	-0.02
7) Phenol-d6	7.81	99	145867	129.39	ng	-0.01
23) Nitrobenzene-d5	9.89	82	122653	113.64	ng	-0.02
41) 2,4,6-Tribromophenol	16.81	330	183443	159.05	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	462795	90.78	ng	-0.02
78) Terphenyl-d14	20.61	244	819750	88.58	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.02	79	2093	2.25	ng	# 61
17) 2-Methylphenol	9.46	107	5776	6.64	ng	# 66
19) n-Nitroso-di-n-propylamine	9.89	70	18795	25.14	ng	# 80
20) 3+4-Methylphenols	9.46	107	5776	4.74	ng	87
31) Naphthalene	11.61	128	46683	14.18	ng	96
33) 4-Chloroaniline	11.62	127	6812	4.64	ng	# 53
50) 2,6-Dinitrotoluene	15.33	165	7289	6.22	ng	# 18
56) 2,4-Dinitrotoluene	15.33	165	7289	4.37	ng	# 16
66) 4-Bromophenyl-phenylether	16.81	248	14154	5.97	ng	# 1
76) Benzidine	20.61	184	10769	2.77	ng	95

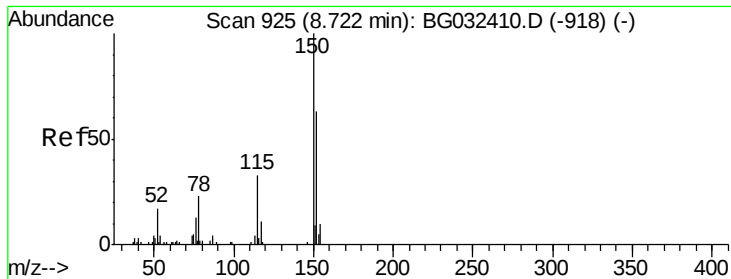
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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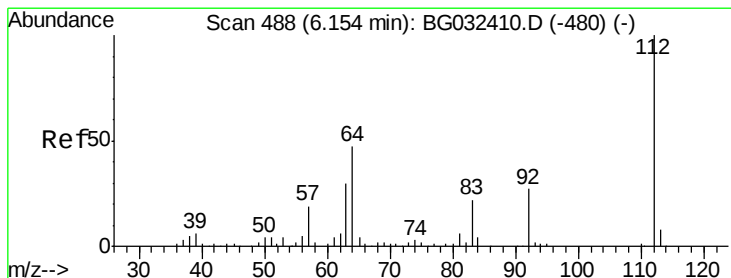
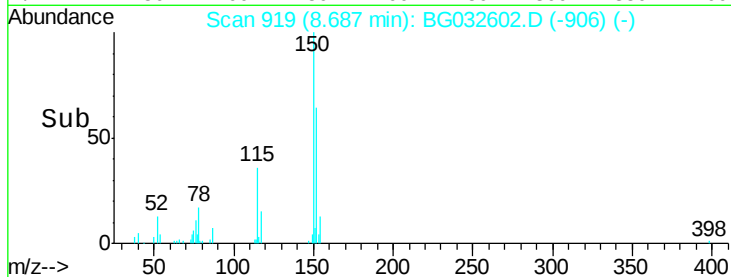
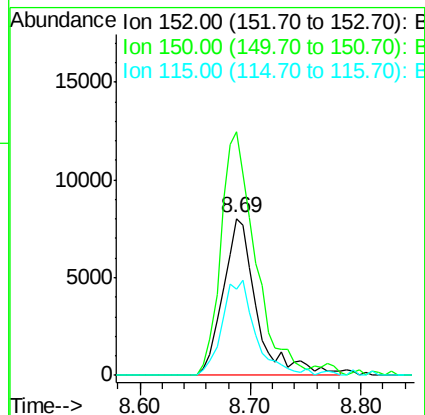
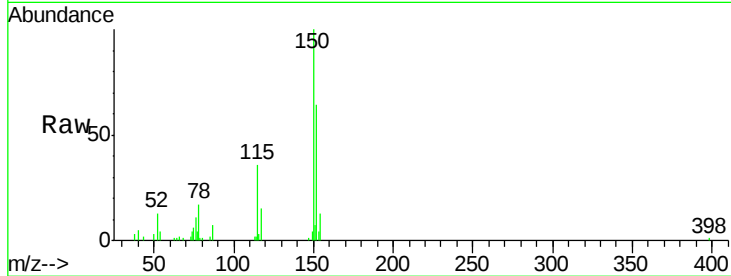


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.69 min Scan# 919
Delta R.T. -0.02 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

Instrument :
BNA_G
ClientSampleId :

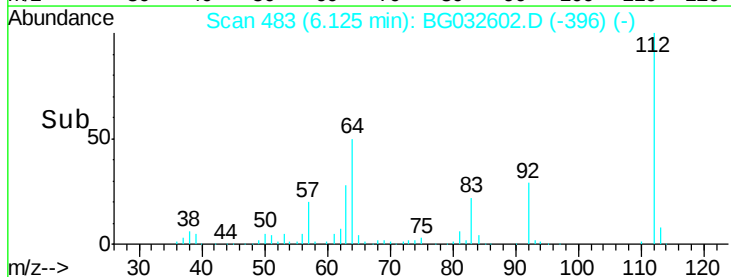
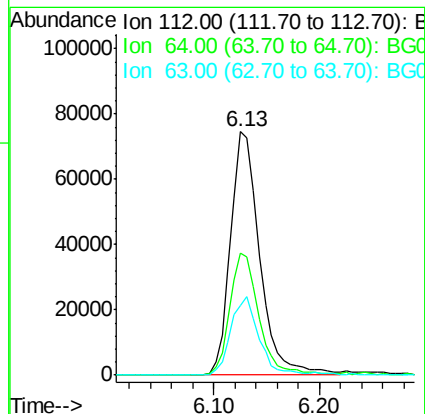
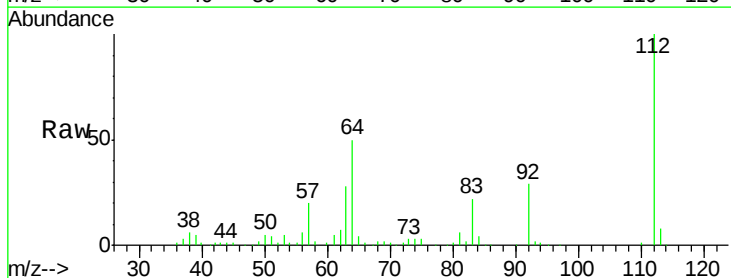
Tot Ion:152 Resp: 16969
Ion Ratio Lower Upper
152 100
150 155.3 126.6 189.8
115 55.2 53.0 79.4

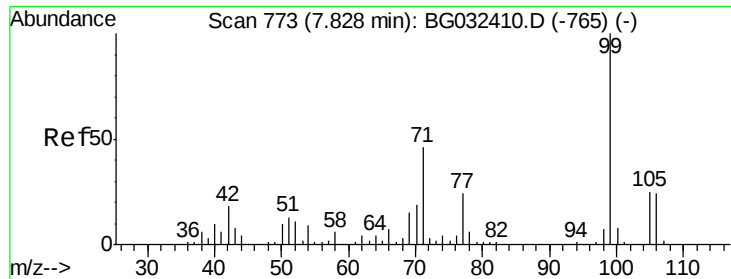


#5

2-Fluorophenol
Concen: 168.58 ng
RT: 6.13 min Scan# 483
Delta R.T. -0.02 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

Tgt Ion:112 Resp: 142419
Ion Ratio Lower Upper
112 100
64 50.3 56.3 84.5#
63 28.5 30.1 45.1#





#7

Phenol-d6

Concen: 129.39 ng

RT: 7.81 min Scan# 770

Delta R.T. -0.01 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

Instrument :

BNA_G

ClientSampled :

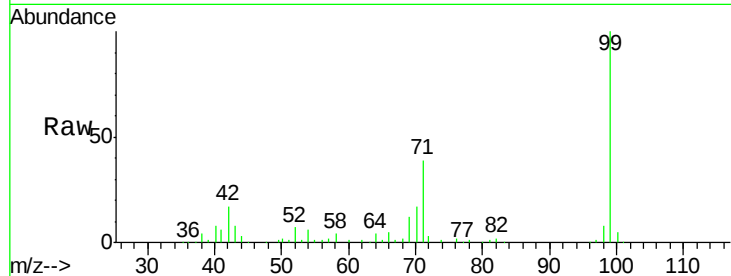
Tot Ion: 99 Resp: 145867

Ion Ratio Lower Upper

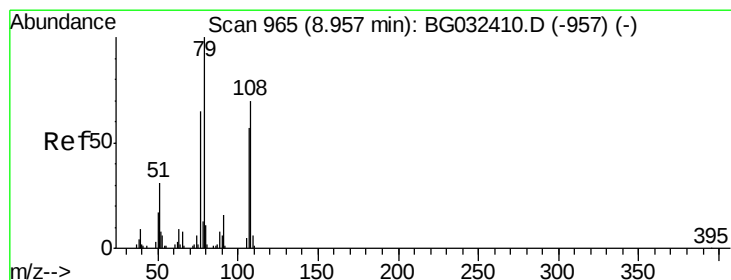
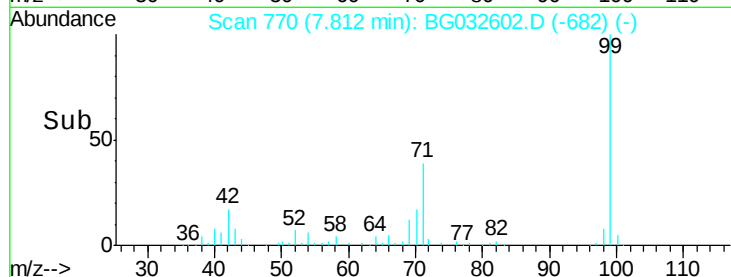
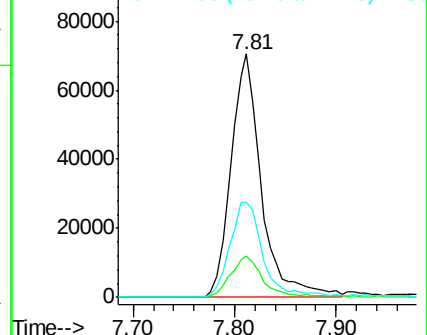
99 100

42 16.9 14.1 21.1

71 39.2 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.07 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

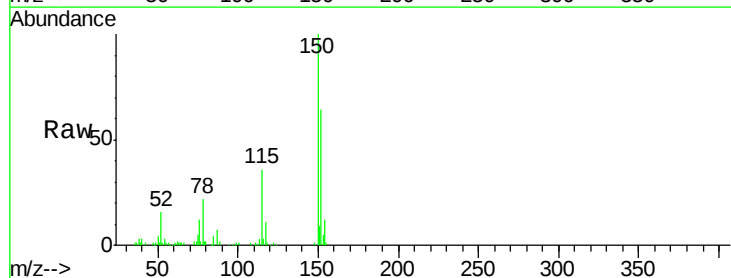
Tgt Ion: 79 Resp: 2093

Ion Ratio Lower Upper

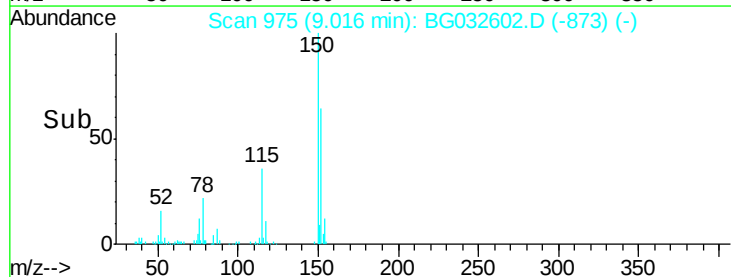
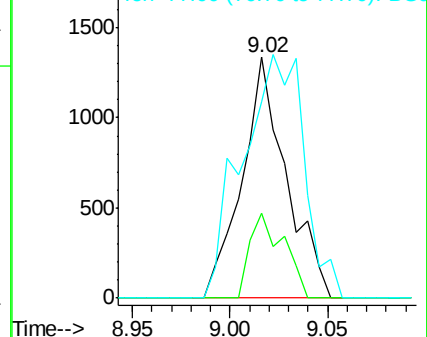
79 100

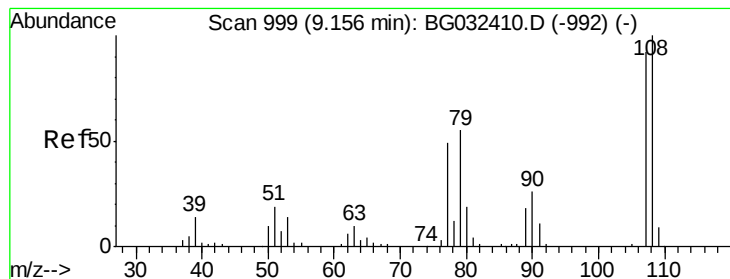
108 35.1 57.2 85.8#

77 81.5 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#17

2-Methylphenol

Concen: 6.64 ng

RT: 9.46 min Scan# 1050

Delta R.T. 0.31 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 5776

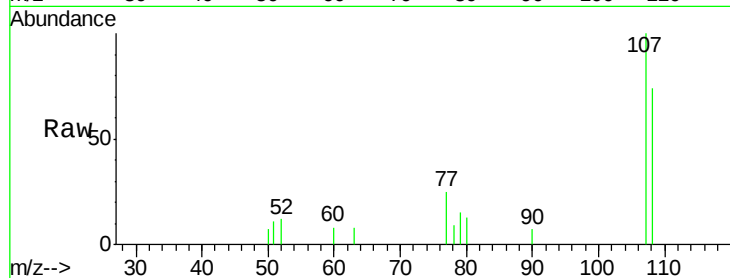
Ion Ratio Lower Upper

107 100

108 74.1 83.9 125.9#

77 25.4 37.2 55.8#

79 14.8 36.2 54.2#

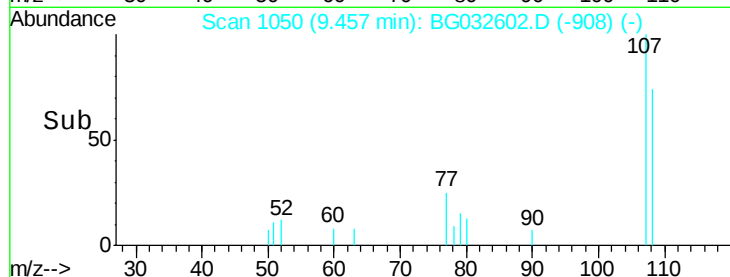


Abundance Ion 107.00 (106.70 to 107.70): E

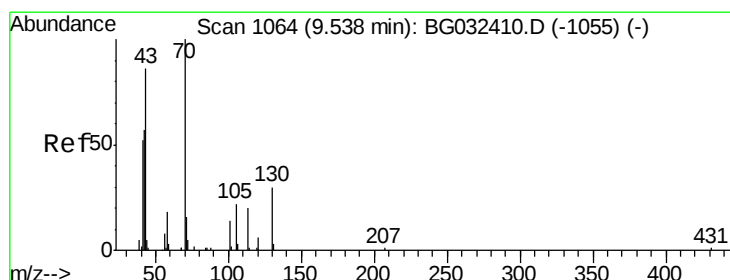
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 25.14 ng

RT: 9.89 min Scan# 1123

Delta R.T. 0.37 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

Tgt Ion: 70 Resp: 18795

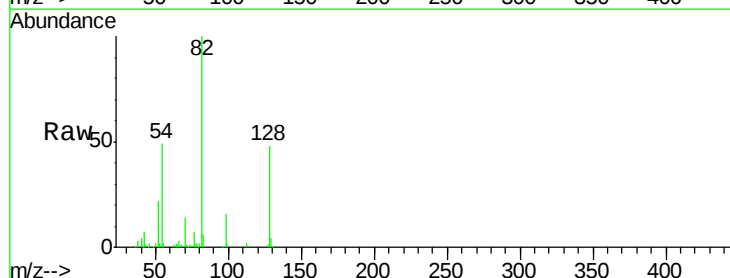
Ion Ratio Lower Upper

70 100

42 50.1 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

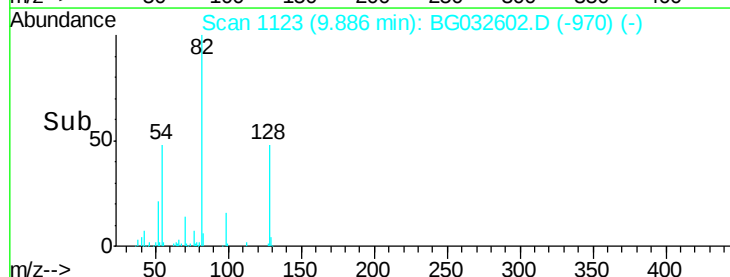


Abundance Ion 70.00 (69.70 to 70.70): BGC

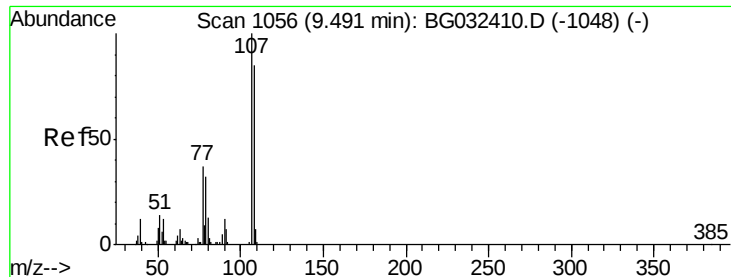
Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



Time-->



#20

3+4-Methylphenols

Concen: 4.74 ng

RT: 9.46 min Scan# 1050

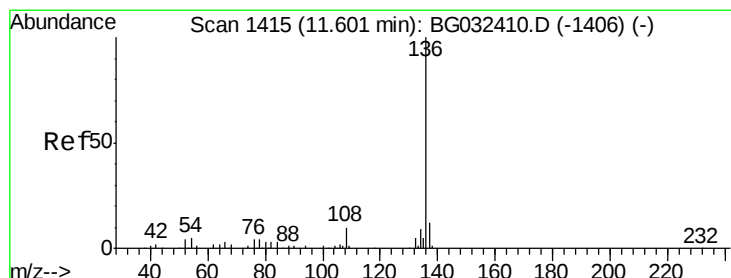
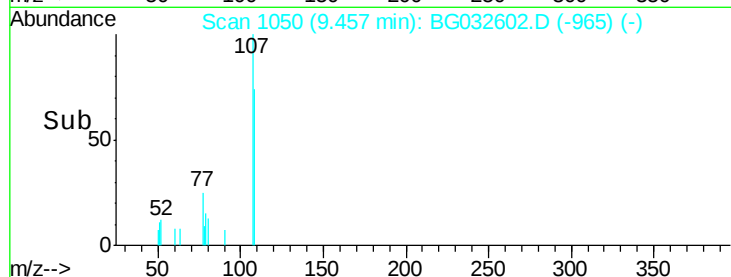
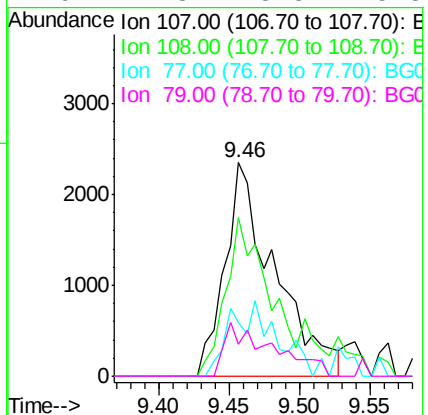
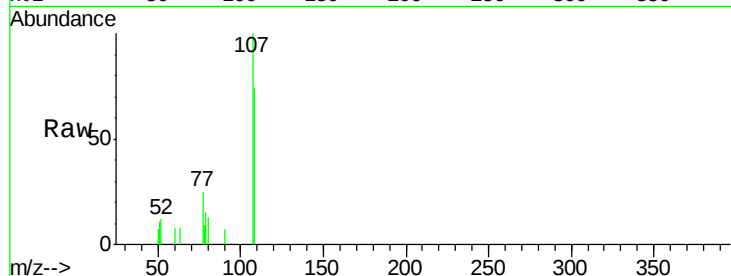
Delta R.T. -0.03 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107	Resp:	5776
Ion Ratio	Lower	Upper
107	100	
108	74.1	61.6 101.6
77	25.4	13.9 53.9
79	14.8	8.8 48.8



#21

Naphthalene-d8

Concen: 20.00 ng

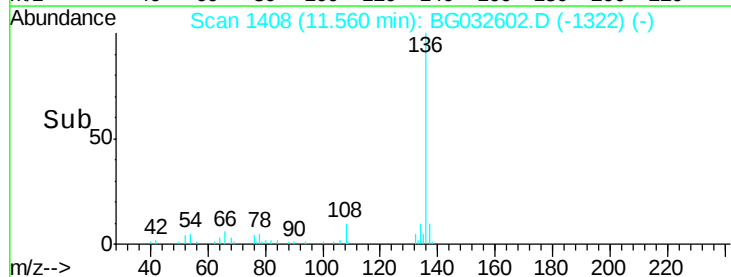
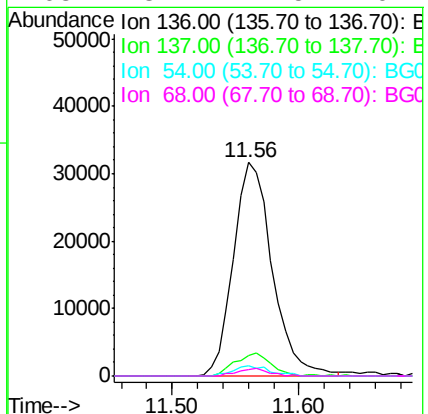
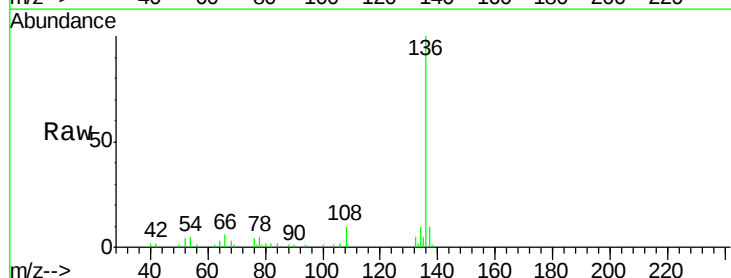
RT: 11.56 min Scan# 1408

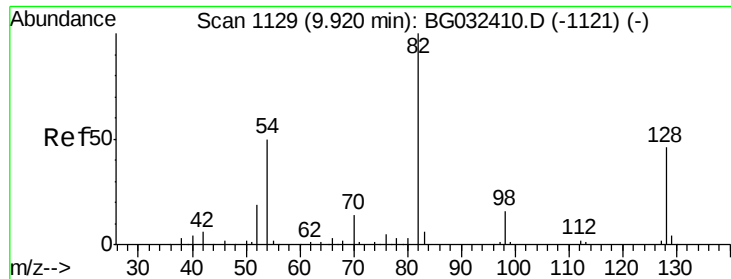
Delta R.T. -0.02 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

Tgt Ion:136	Resp:	67415
Ion Ratio	Lower	Upper
136	100	
137	9.5	9.2 13.8
54	4.9	10.3 15.5#
68	3.1	4.5 6.7#

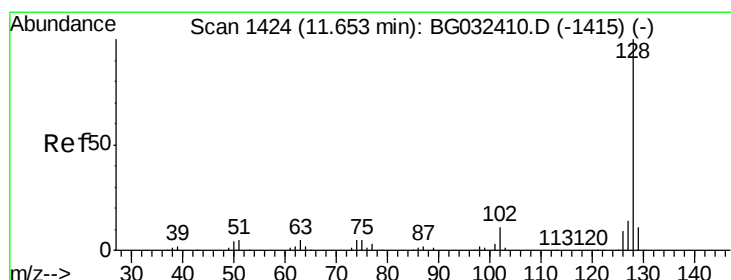
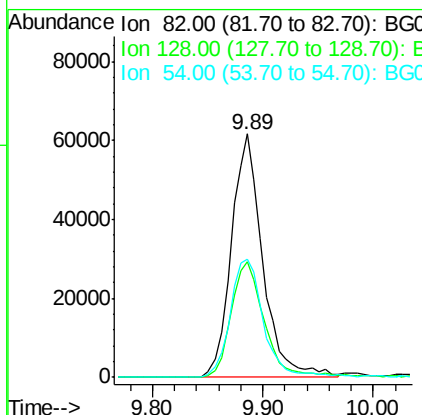
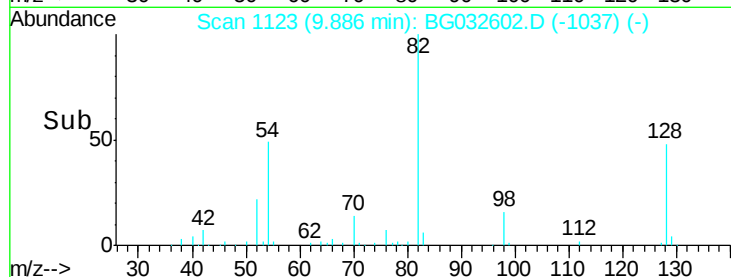
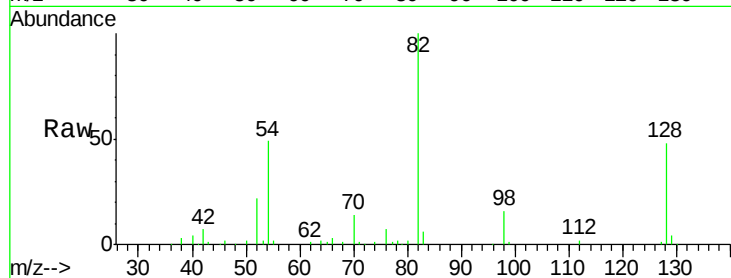




#23
Nitrobenzene-d5
Concen: 113.64 ng
RT: 9.89 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

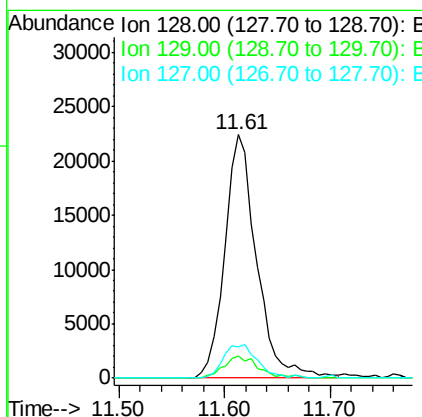
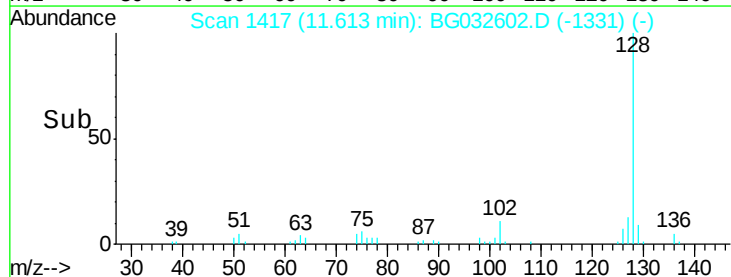
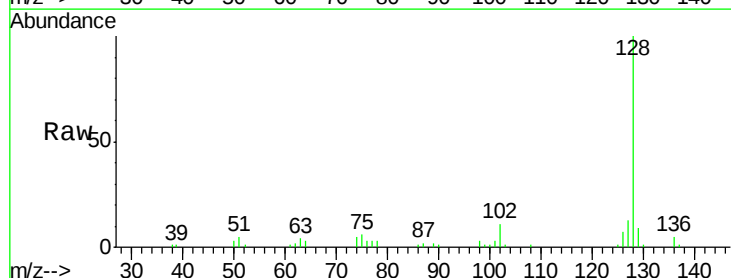
Instrument :
BNA_G
ClientSampleId :

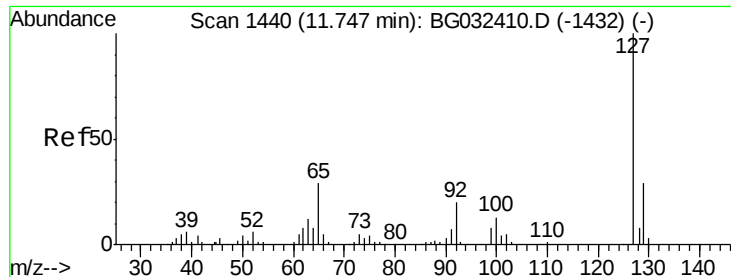
Tot Ion: 82 Resp: 122653
Ion Ratio Lower Upper
82 100
128 47.7 29.7 44.5#
54 48.5 43.1 64.7



#31
Naphthalene
Concen: 14.18 ng
RT: 11.61 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

Tgt Ion: 128 Resp: 46683
Ion Ratio Lower Upper
128 100
129 9.4 8.6 12.8
127 12.6 11.6 17.4

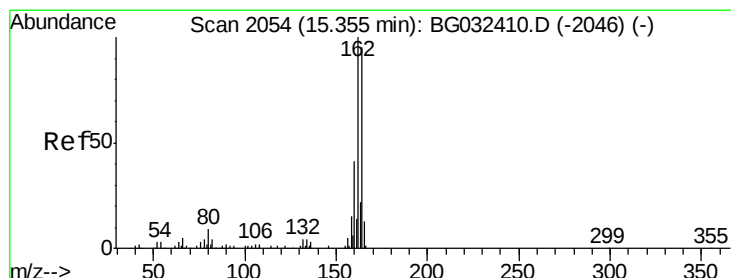
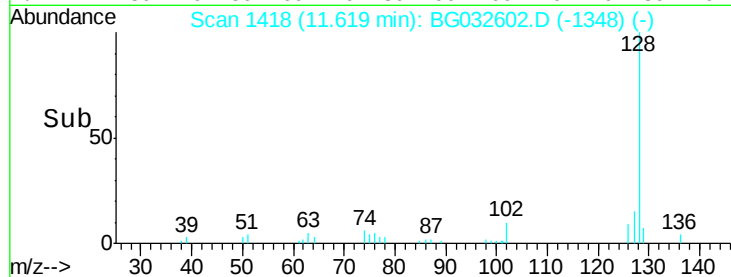
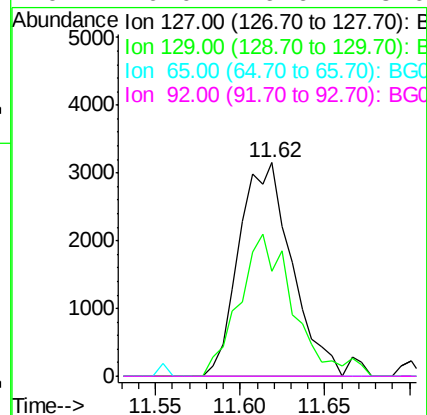
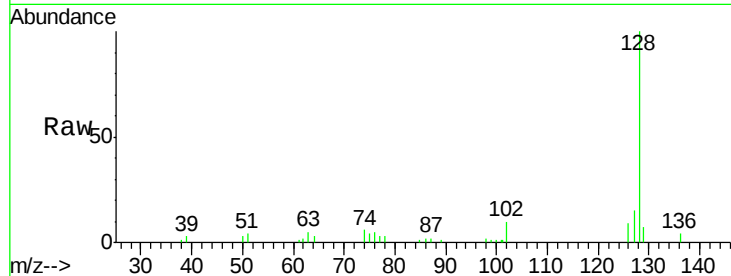




#33
4-Chloroaniline
Concen: 4.64 ng
RT: 11.62 min Scan# 1418
Delta R.T. -0.12 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

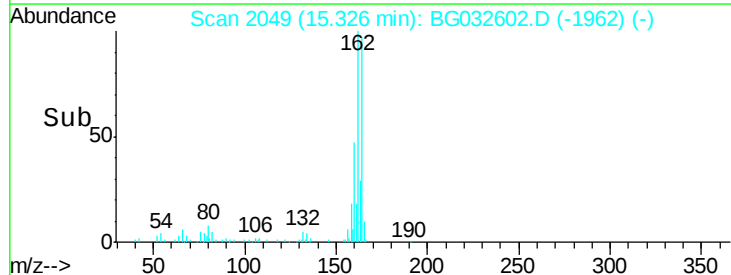
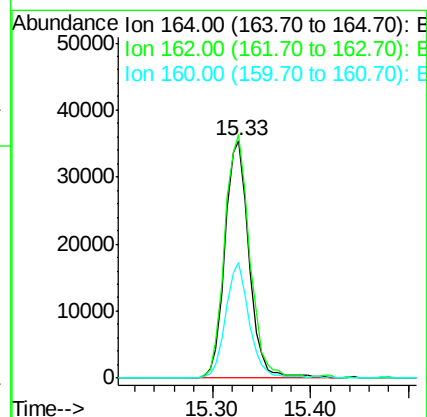
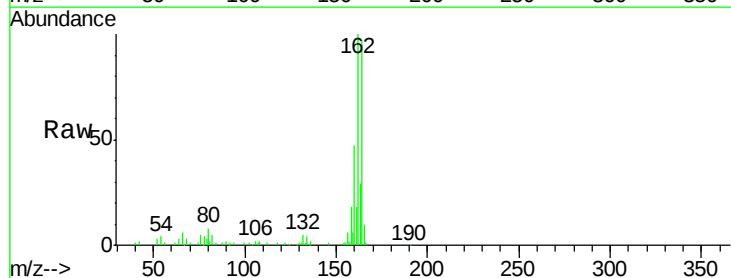
Instrument :
BNA_G
ClientSampleId :

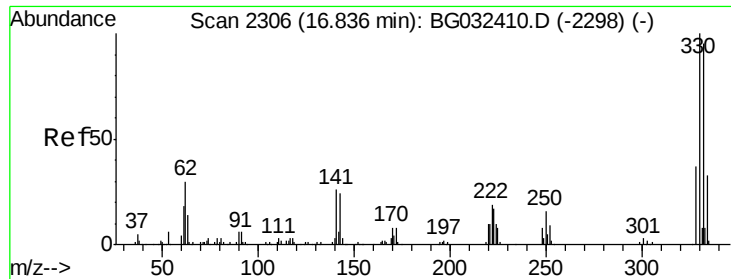
Tot Ion:127	Resp:	6812
Ion Ratio	Lower	Upper
127	100	
129	48.9	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.33 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

Tgt Ion:164	Resp:	60592
Ion Ratio	Lower	Upper
164	100	
162	102.6	78.8 118.2
160	48.5	35.4 53.0

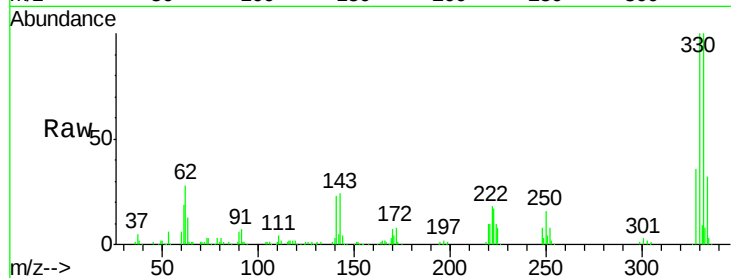




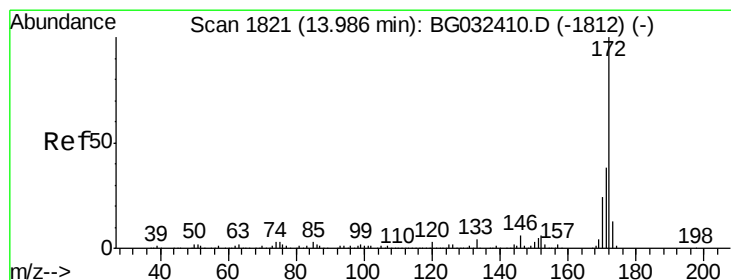
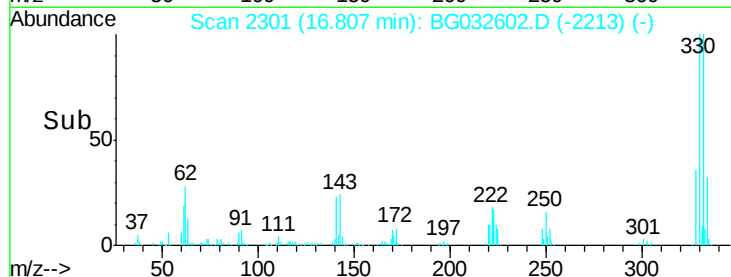
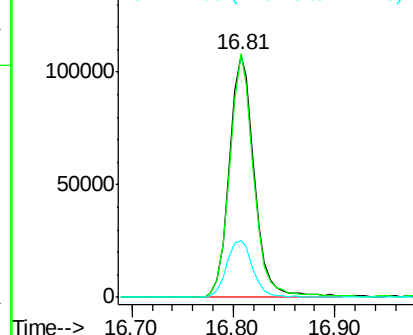
#41
 2,4,6-Tribromophenol
 Concen: 159.05 ng
 RT: 16.81 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BG032602.D
 Acq: 7 Feb 2018 20:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	24.8	25.2	37.8#

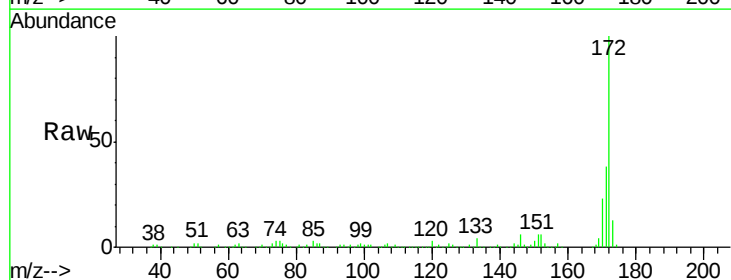


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

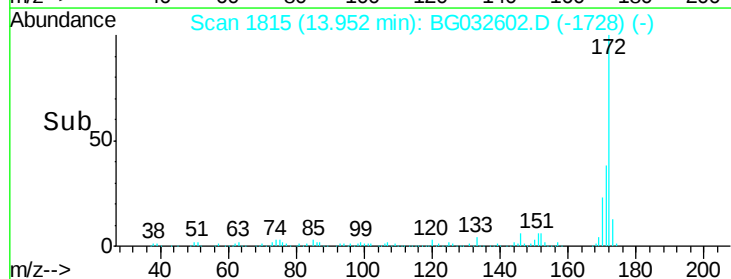
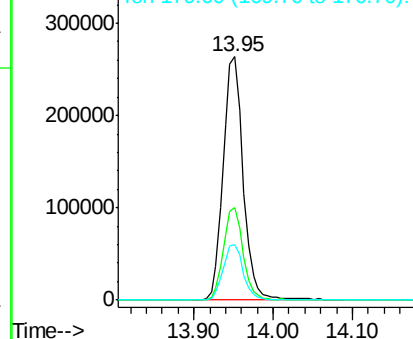


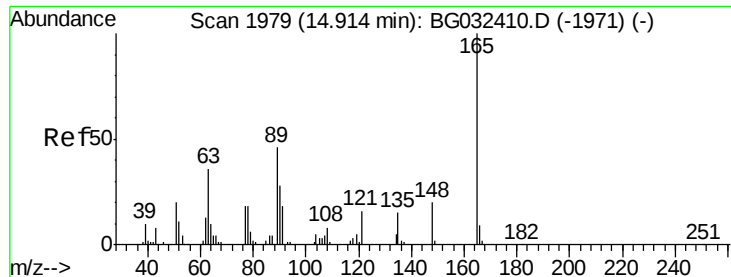
#44
 2-Fluorobiphenyl
 Concen: 90.78 ng
 RT: 13.95 min Scan# 1815
 Delta R.T. -0.02 min
 Lab File: BG032602.D
 Acq: 7 Feb 2018 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	22.9	19.5	29.3



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

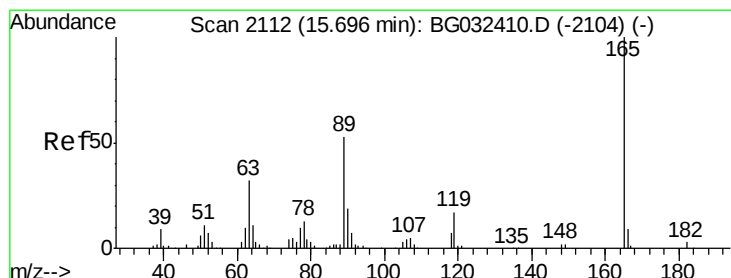
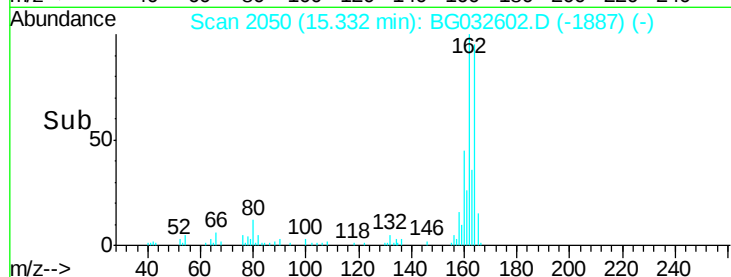
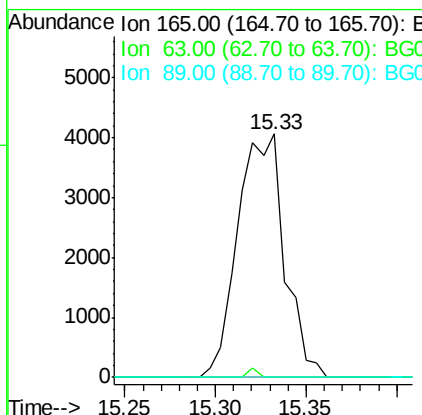
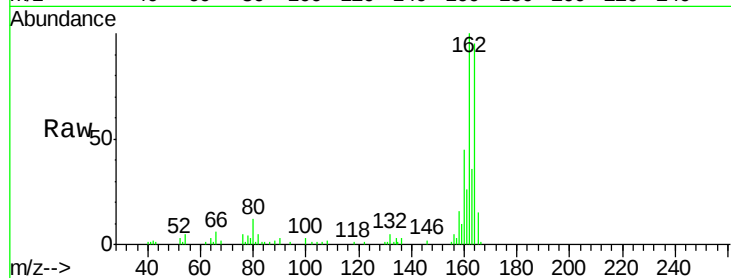




#50
2,6-Dinitrotoluene
Concen: 6.22 ng
RT: 15.33 min Scan# 2050
Delta R.T. 0.43 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

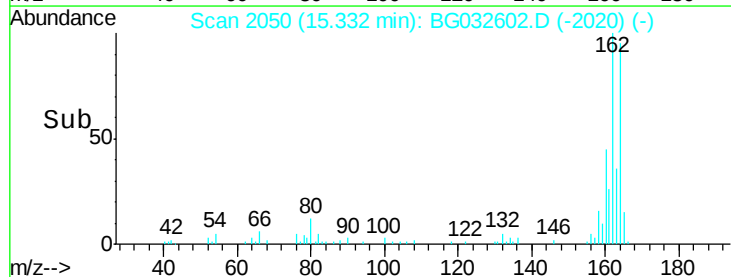
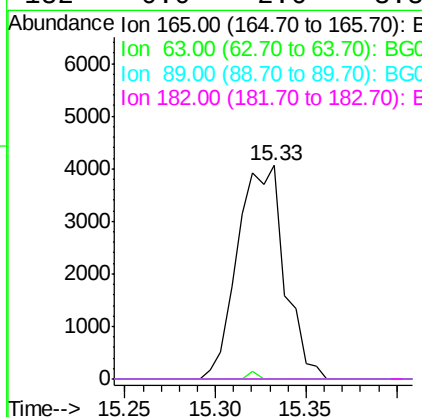
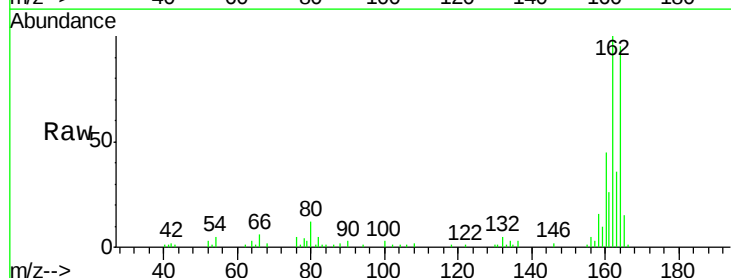
Instrument :
BNA_G
ClientSampleId :

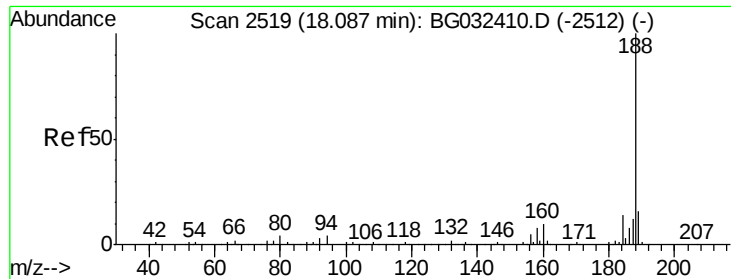
Tot Ion:165 Resp: 7289
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.37 ng
RT: 15.33 min Scan# 2050
Delta R.T. -0.35 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

Tgt Ion:165 Resp: 7289
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

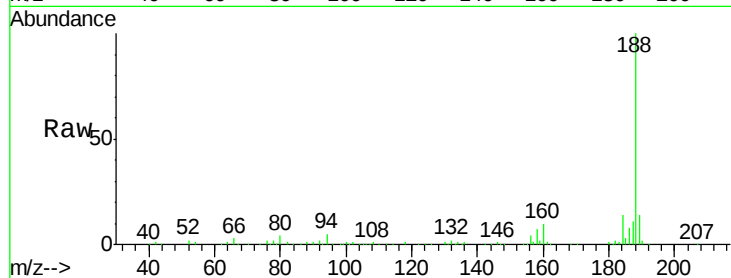




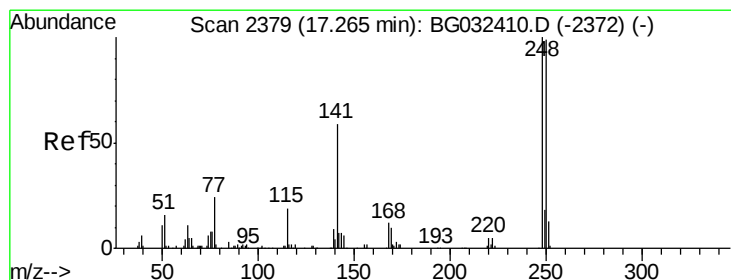
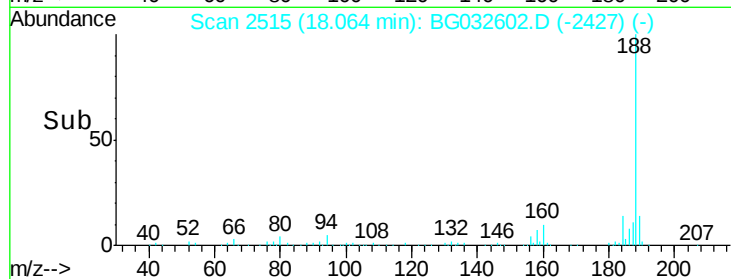
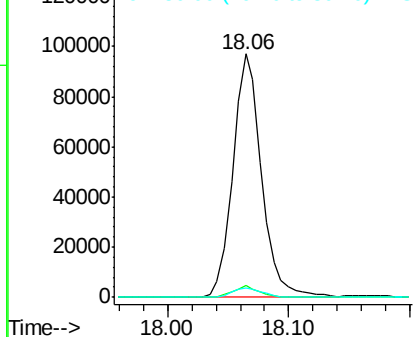
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.06 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 159979
Ion Ratio Lower Upper
188 100
94 4.9 6.9 10.3#
80 3.9 7.7 11.5#

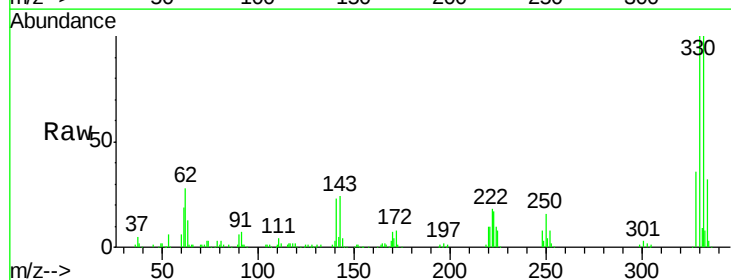


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

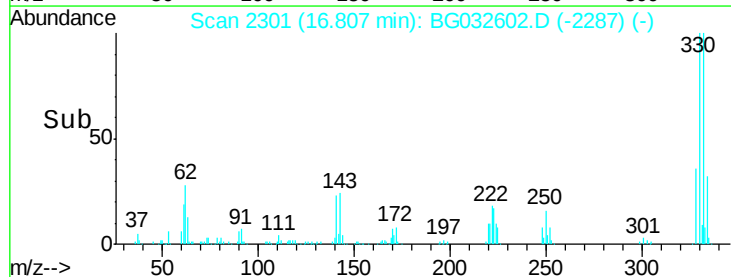
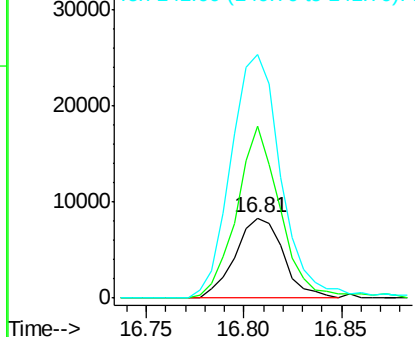


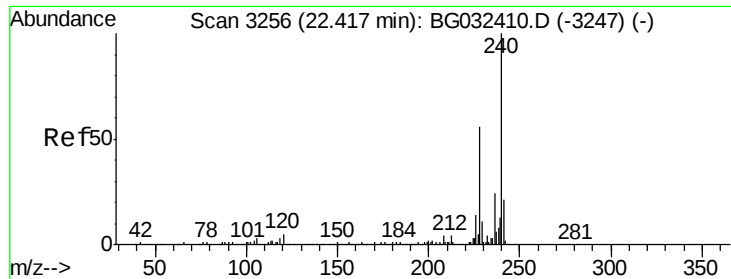
#66
4-Bromophenyl-phenylether
Concen: 5.97 ng
RT: 16.81 min Scan# 2301
Delta R.T. -0.45 min
Lab File: BG032602.D
Acq: 7 Feb 2018 20:20

Tgt Ion:248 Resp: 14154
Ion Ratio Lower Upper
248 100
250 214.6 77.1 115.7#
141 304.6 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.39 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

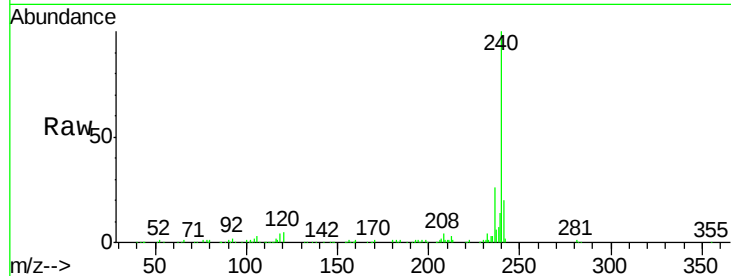
Tot Ion:240 Resp: 198244

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

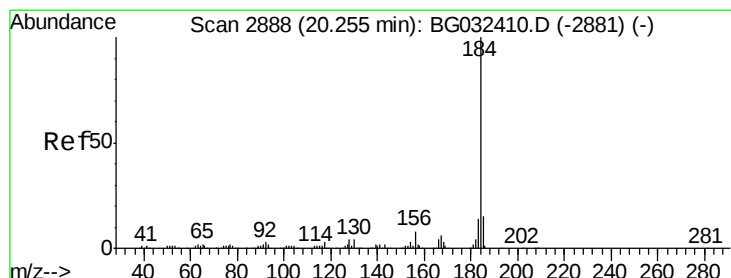
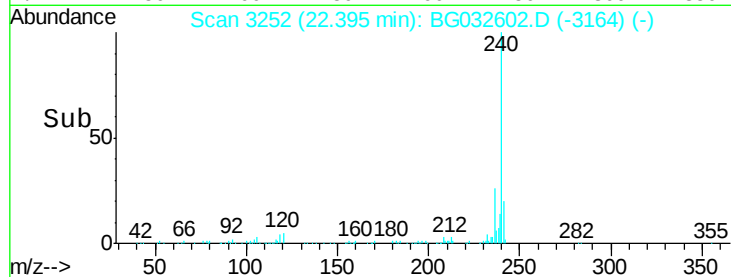
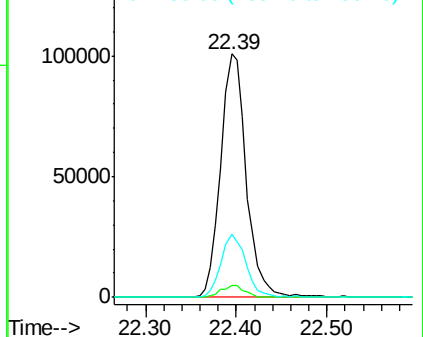
236 25.9 20.9 31.3



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



#76

Benzidine

Concen: 2.77 ng

RT: 20.61 min Scan# 2948

Delta R.T. 0.36 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

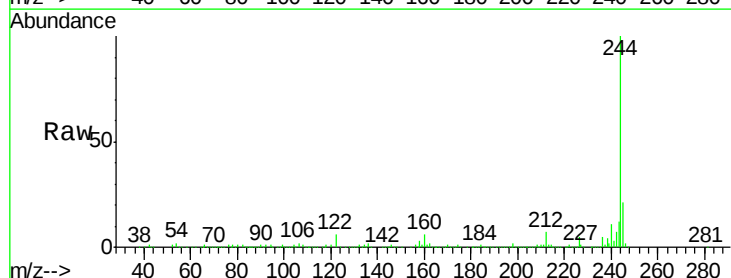
Tgt Ion:184 Resp: 10769

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

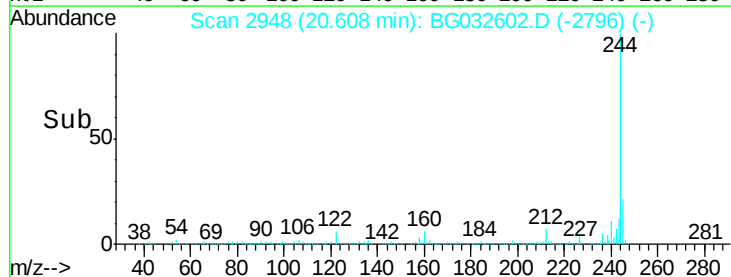
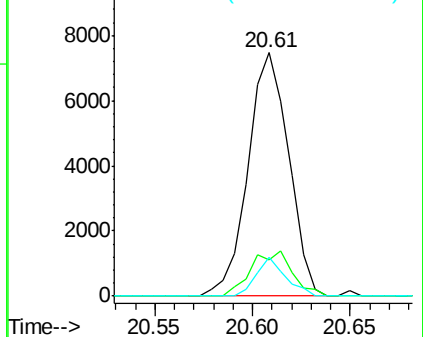
183 15.8 10.6 16.0

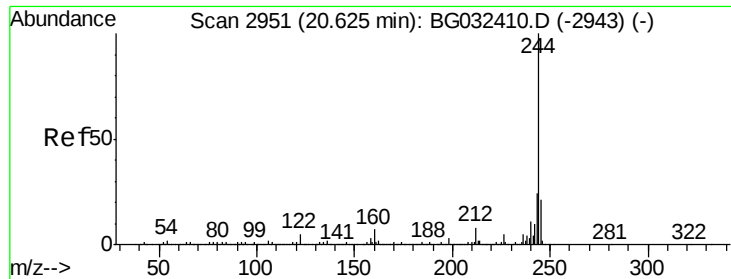


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.58 ng

RT: 20.61 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

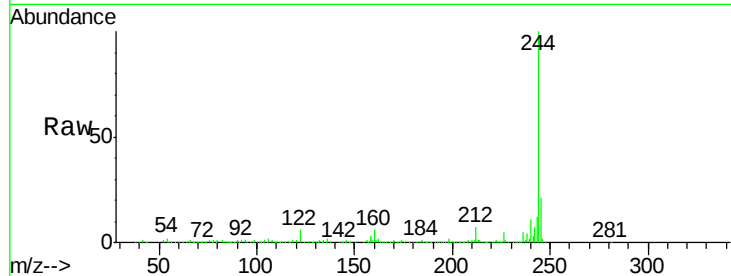
Tot Ion:244 Resp: 819750

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	6.0	7.0	10.4

244 100

212 6.9 5.8 8.8

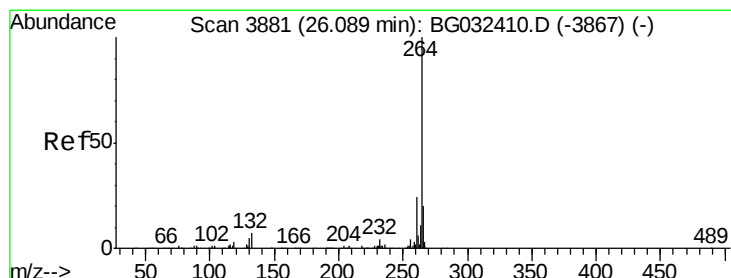
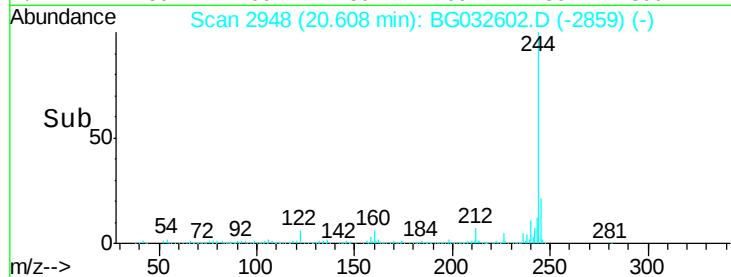
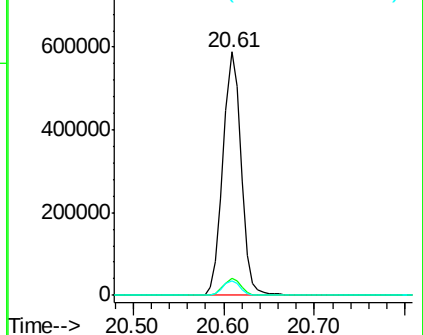
122 6.0 7.0 10.4



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: 26.07 min Scan# 3877

Delta R.T. 0.00 min

Lab File: BG032602.D

Acq: 7 Feb 2018 20:20

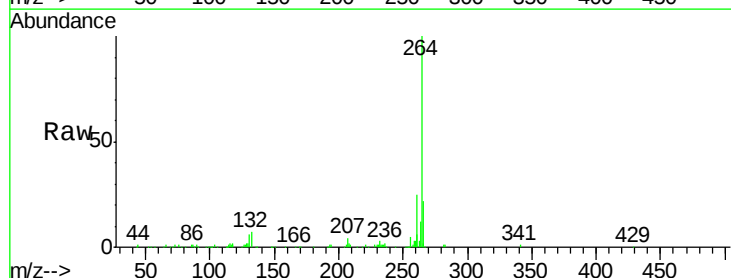
Tgt Ion:264 Resp: 221456

Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	22.3	17.7	26.5

264 100

260 24.6 17.4 26.0

265 22.3 17.7 26.5



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

