

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032550.D
 Acq On : 6 Feb 2018 1:18
 Operator : SJ/JU
 Sample : J1442-02
 Misc : MDL8PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 03:25:26 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	17741	20.00	ng	-0.02
21) Naphthalene-d8	11.58	136	76728	20.00	ng	-0.02
38) Acenaphthene-d10	15.34	164	56490	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	147177	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	268787	20.00	ng	-0.02
86) Perylene-d12	26.07	264	294584	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.14	112	160285	181.47	ng	-0.01
7) Phenol-d6	7.83	99	149902	127.18	ng	0.00
23) Nitrobenzene-d5	9.90	82	104380	84.97	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	160451	149.22	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	415507	87.42	ng	-0.02
78) Terphenyl-d14	20.61	244	803057	64.00	ng	-0.01

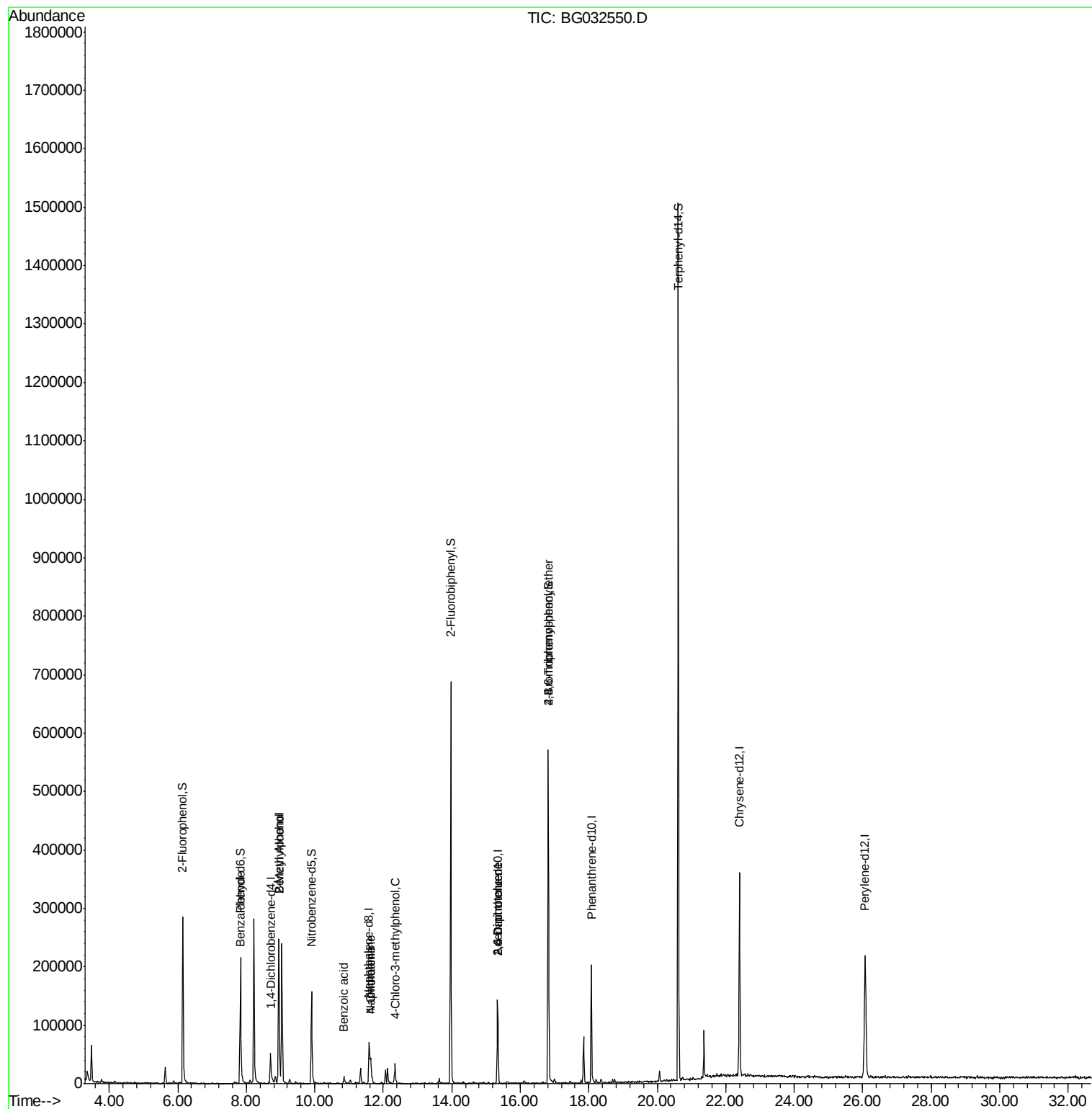
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.81	77	5671	9.316	ng	# 84
15) Benzyl Alcohol	8.95	79	105265	108.364	ng	95
17) 2-Methylphenol	8.95	107	61583	67.742	ng	# 9
31) Naphthalene	11.64	128	35266	9.411	ng	98
32) Benzoic acid	10.84	122	54	7.343	ng	# 1
33) 4-Chloroaniline	11.64	127	4933	2.951	ng	# 51
36) 4-Chloro-3-methylphenol	12.35	107	2741	2.116	ng	# 22
50) 2,6-Dinitrotoluene	15.34	165	7077	6.473	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	7077	4.547	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	11807	5.415	ng	# 1

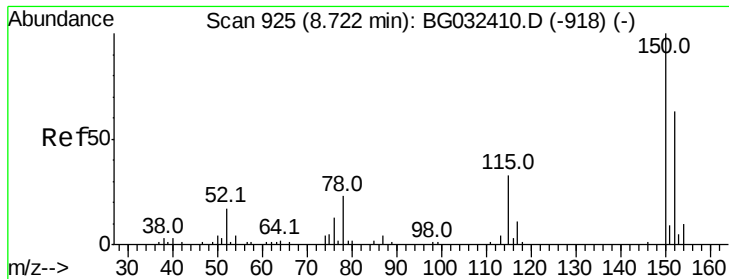
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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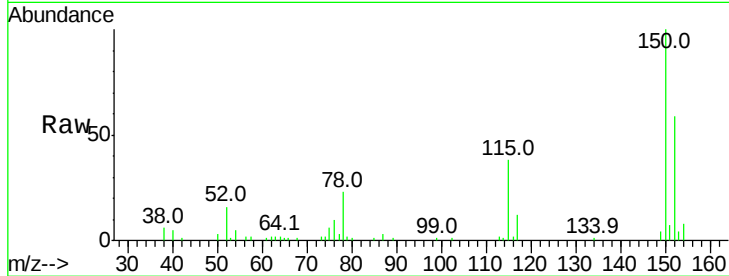


#1

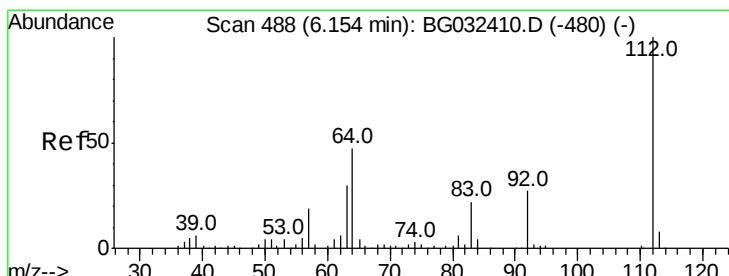
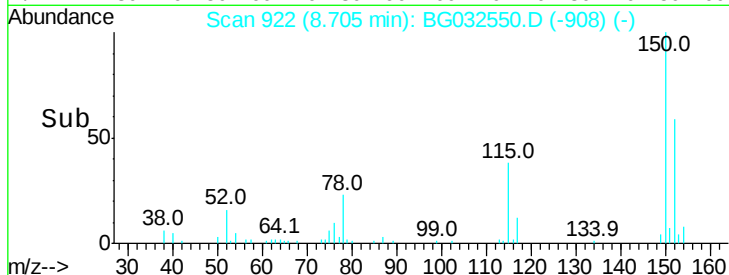
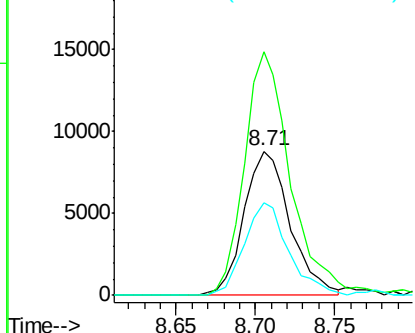
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.2	126.6	189.8
115	64.1	53.0	79.4



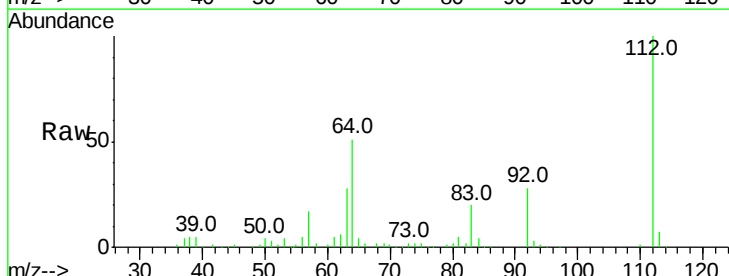
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



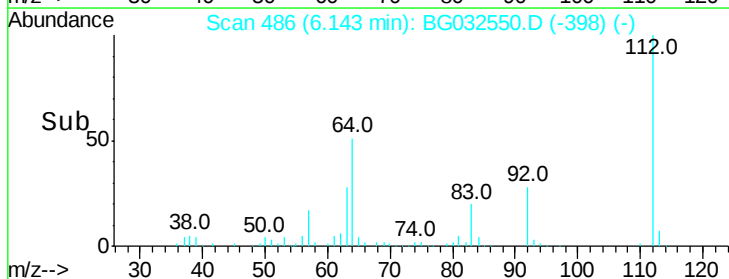
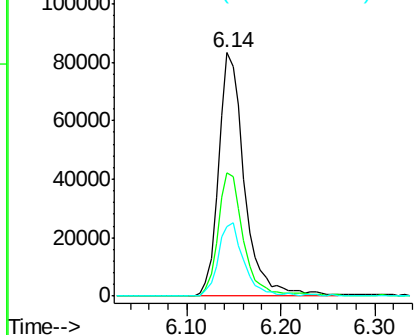
#5

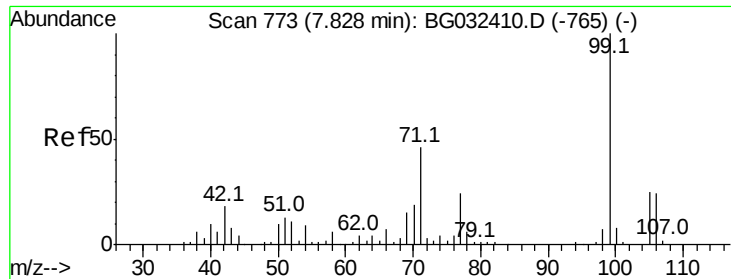
2-Fluorophenol
Concen: 181.468 ng
RT: 6.14 min Scan# 486
Delta R.T. -0.01 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	56.3	84.5#
63	28.4	30.1	45.1#



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: 127.181 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

Instrument :

BNA_G

ClientSampled :

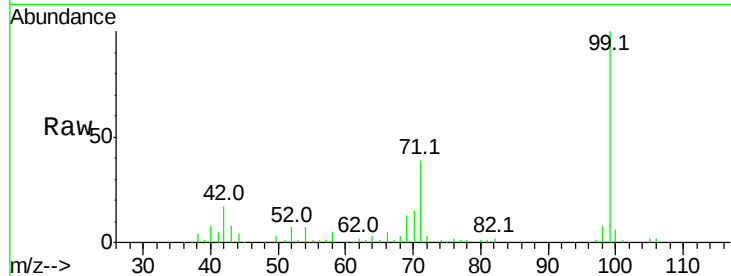
Tot Ion: 99 Resp: 149902

Ion Ratio Lower Upper

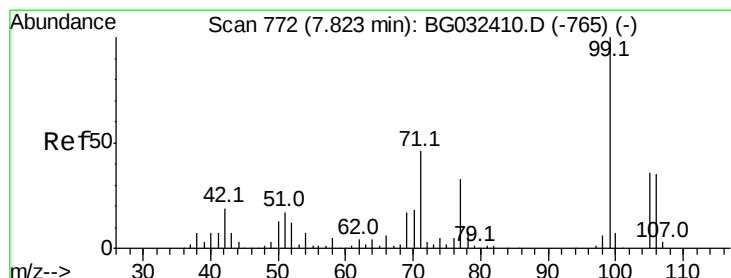
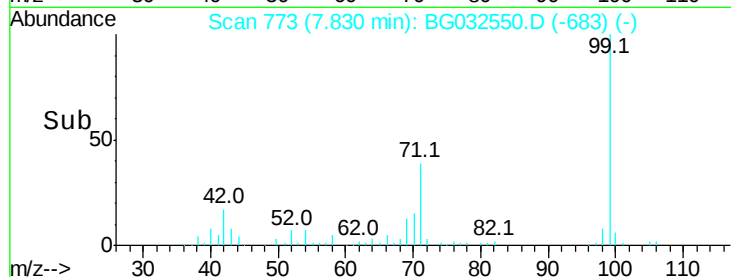
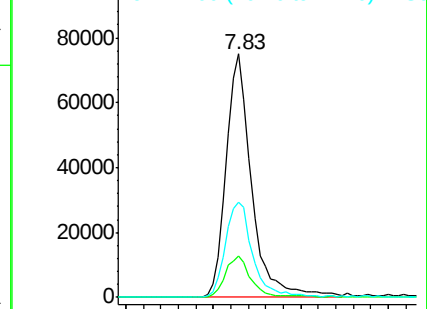
99 100

42 16.8 14.1 21.1

71 39.3 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



#9

Benzaldehyde

Concen: 9.316 ng

RT: 7.81 min Scan# 770

Delta R.T. -0.01 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

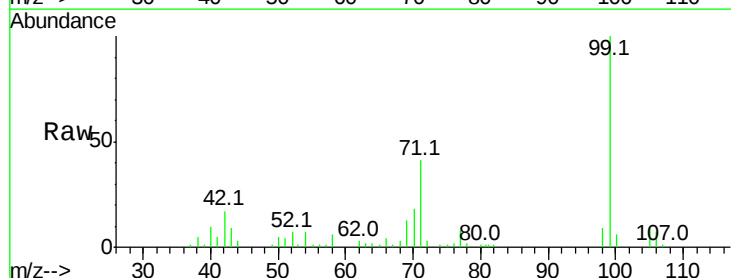
Tgt Ion: 77 Resp: 5671

Ion Ratio Lower Upper

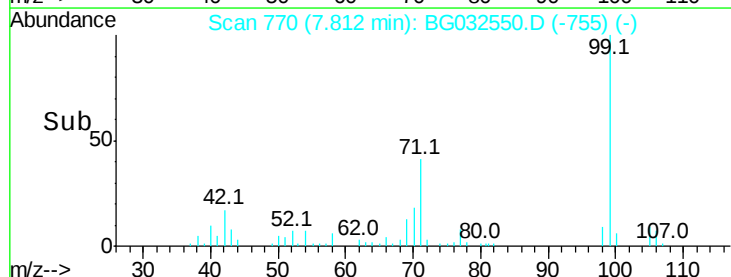
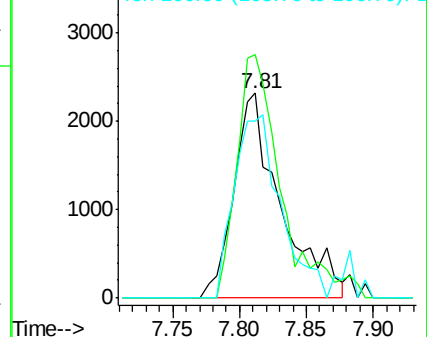
77 100

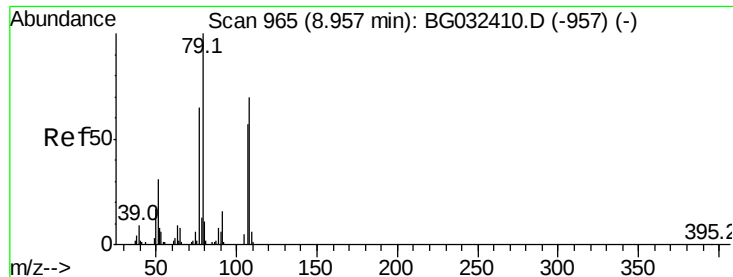
105 118.7 71.3 111.3#

106 86.1 64.2 104.2



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





#15

Benzyl Alcohol

Concen: 108.364 ng

RT: 8.95 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

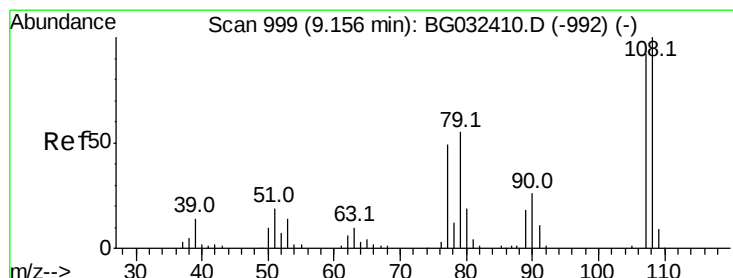
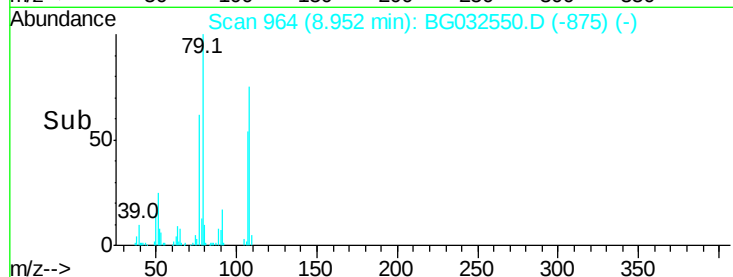
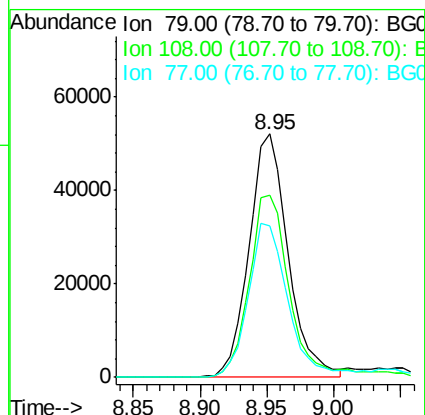
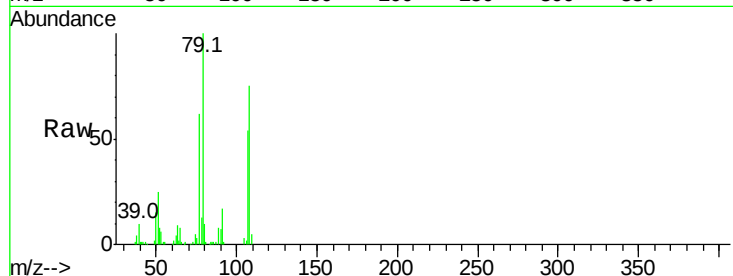
Tot Ion: 79 Resp: 105265

Ion Ratio Lower Upper

79 100

108 74.9 57.2 85.8

77 62.3 46.1 69.1



#17

2-Methylphenol

Concen: 67.742 ng

RT: 8.95 min Scan# 964

Delta R.T. -0.20 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

Tgt Ion: 107 Resp: 61583

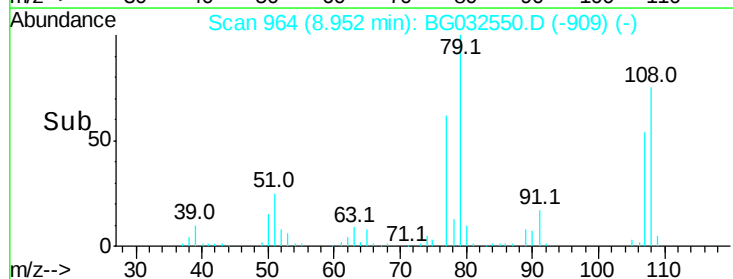
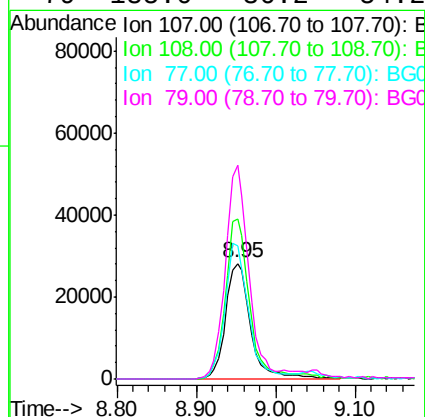
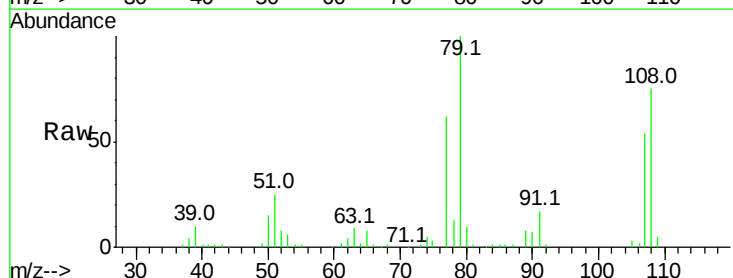
Ion Ratio Lower Upper

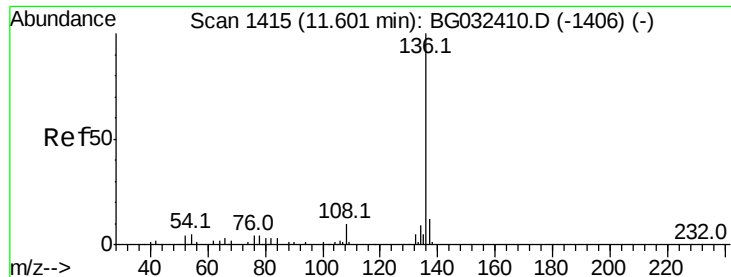
107 100

108 138.7 83.9 125.9#

77 115.2 37.2 55.8#

79 185.0 36.2 54.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.58 min Scan# 1412

Delta R.T. -0.02 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 76728

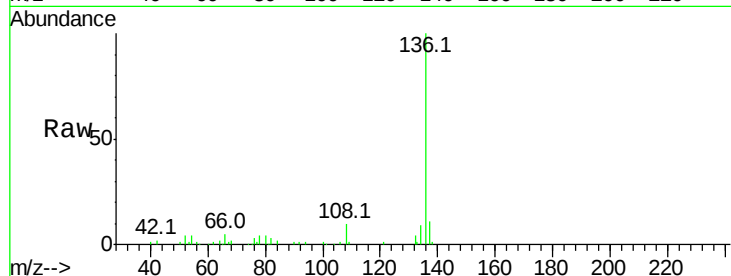
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 4.3 10.3 15.5#

68 2.5 4.5 6.7#

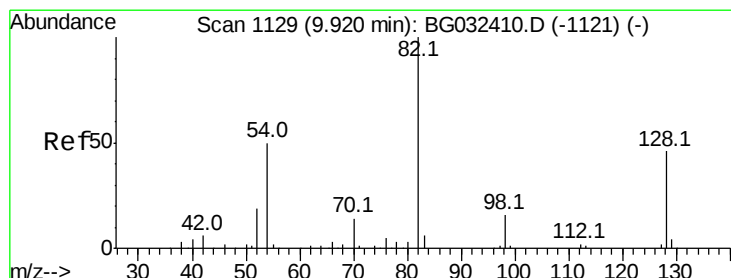
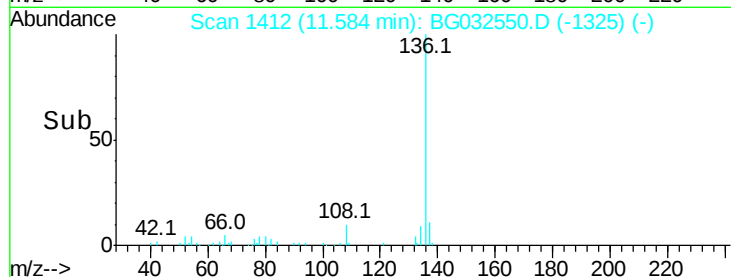
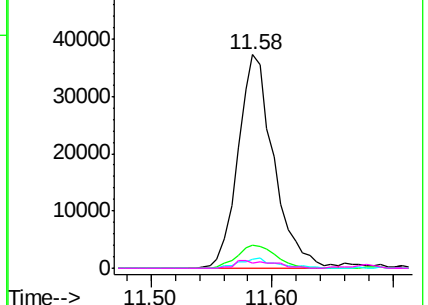


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 84.971 ng

RT: 9.90 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

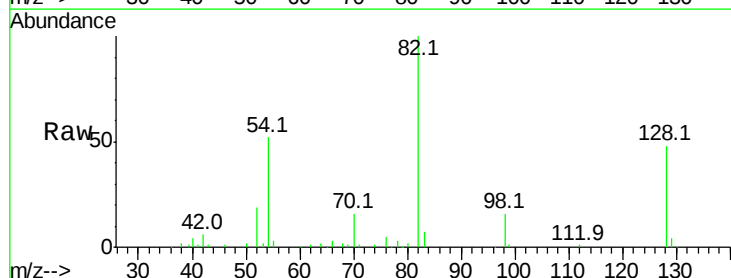
Tgt Ion: 82 Resp: 104380

Ion Ratio Lower Upper

82 100

128 47.9 29.7 44.5#

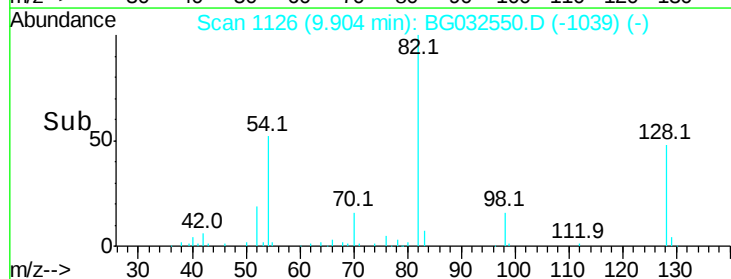
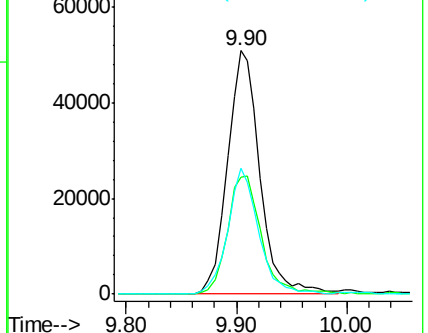
54 51.7 43.1 64.7

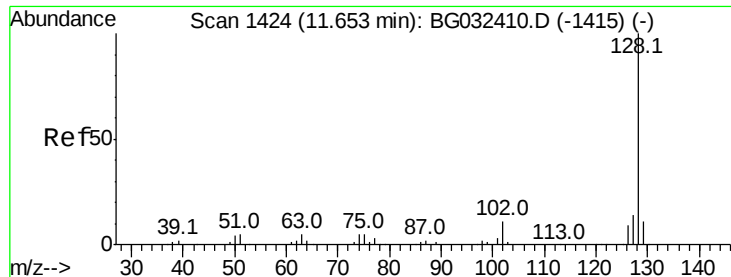


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

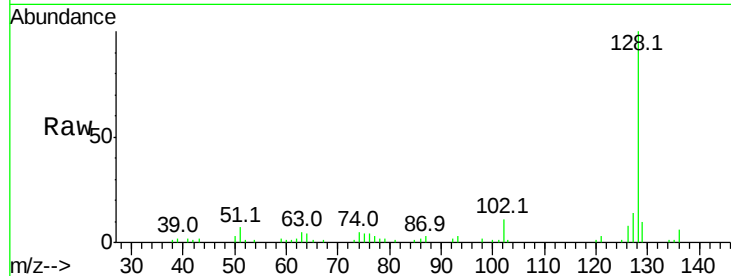




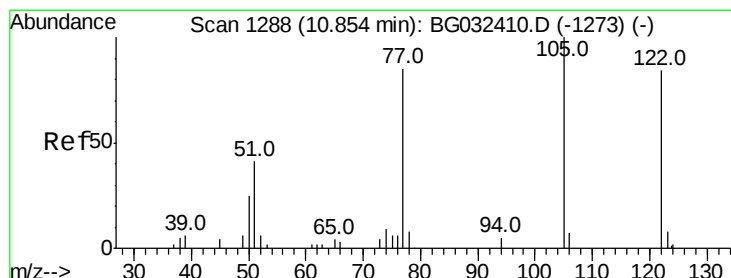
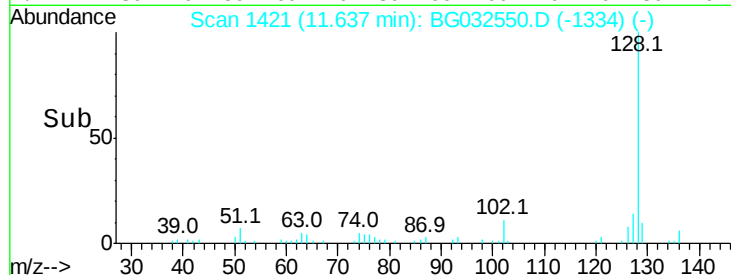
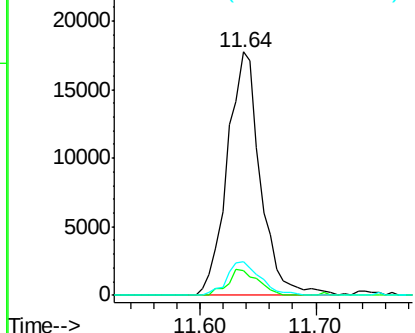
#31
Naphthalene
Concen: 9.411 ng
RT: 11.64 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 35266
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 14.0 11.6 17.4

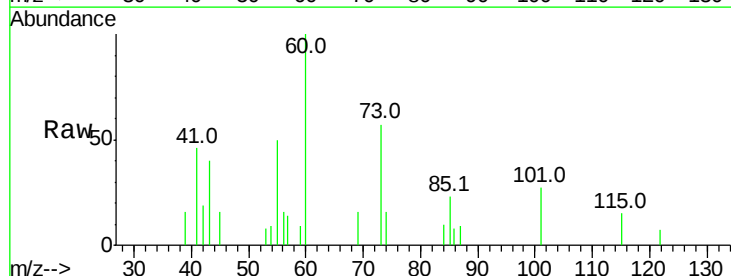


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

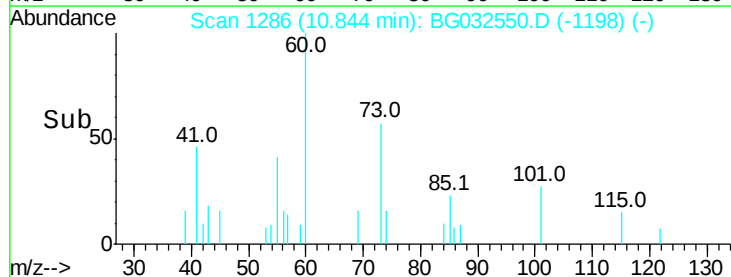
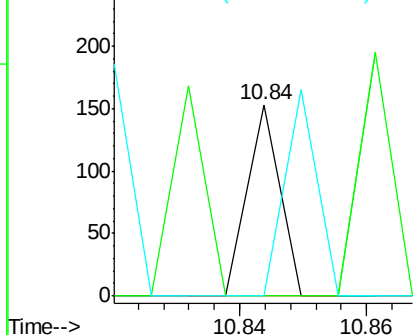


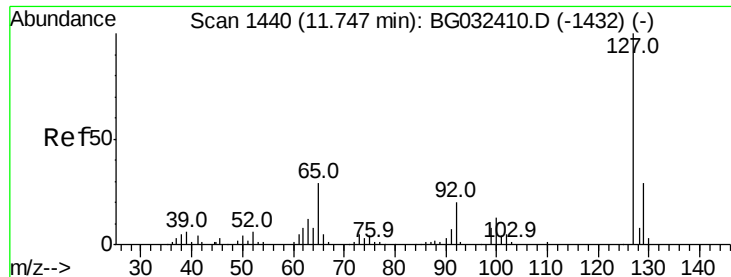
#32
Benzoic acid
Concen: 7.343 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



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): BGO

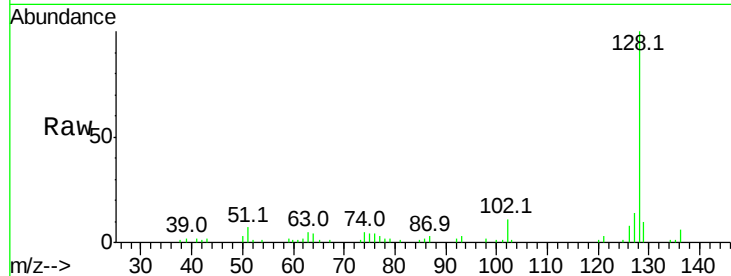




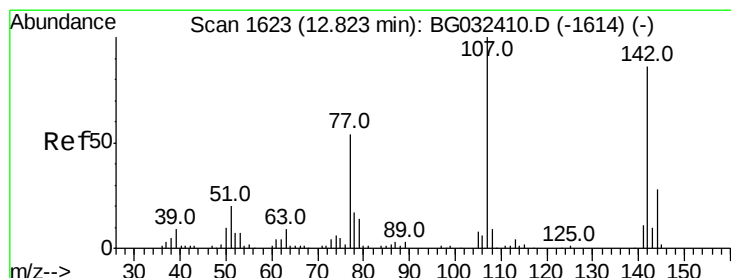
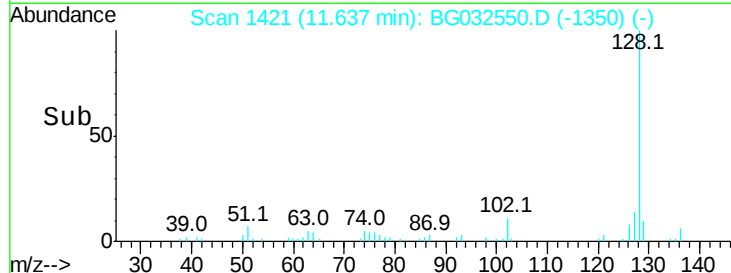
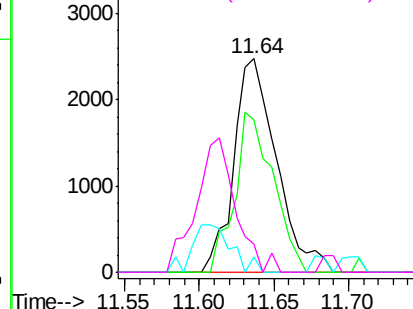
#33
4-Chloroaniline
Concen: 2.951 ng
RT: 11.64 min Scan# 1421
Delta R.T. -0.11 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	71.4	24.0	36.0#
65	7.5	27.0	40.4#
92	13.2	16.6	25.0#

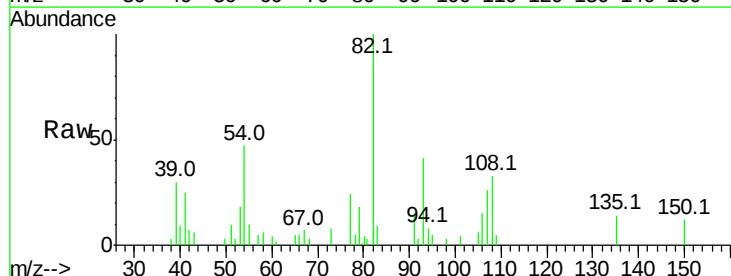


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

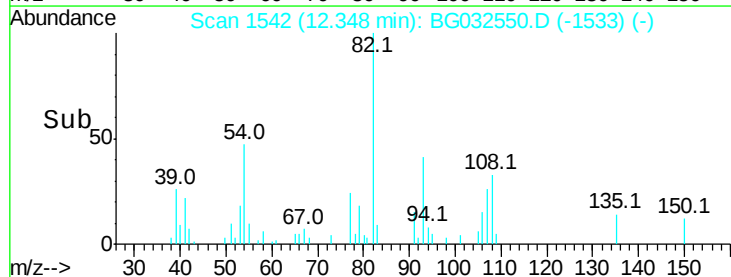
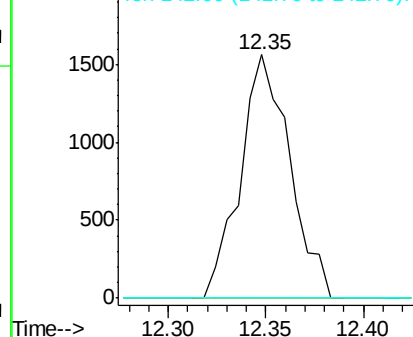


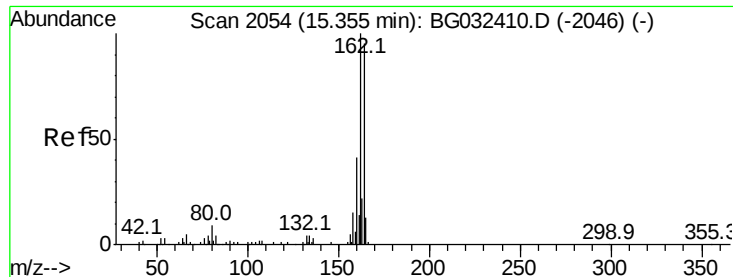
#36
4-Chloro-3-methylphenol
Concen: 2.116 ng
RT: 12.35 min Scan# 1542
Delta R.T. -0.47 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	18.2	27.4#
142	0.0	59.0	88.4#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

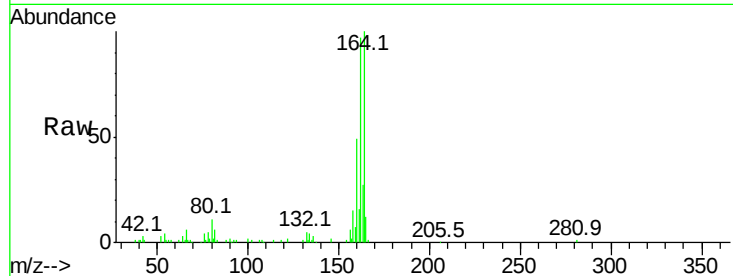
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 56490

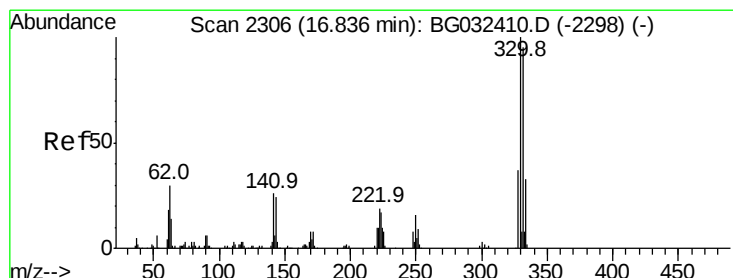
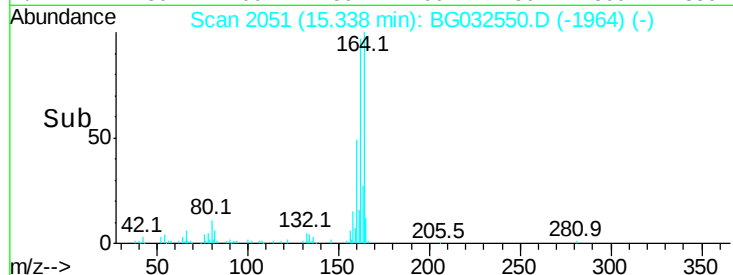
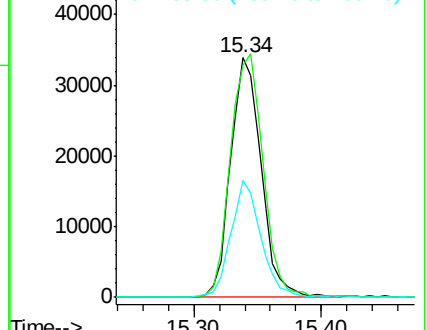
Ion	Ratio	Lower	Upper
164	100		
162	96.6	78.8	118.2
160	49.0	35.4	53.0



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: 149.217 ng

RT: 16.82 min Scan# 2303

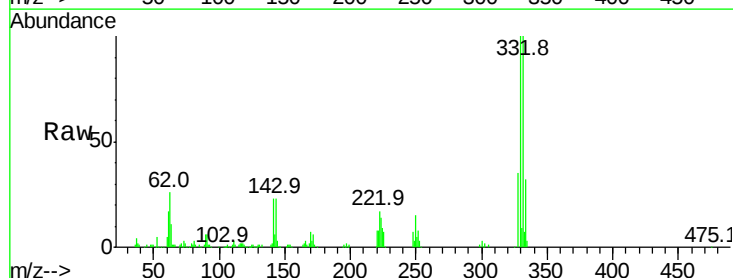
Delta R.T. -0.02 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

Tgt Ion:330 Resp: 160451

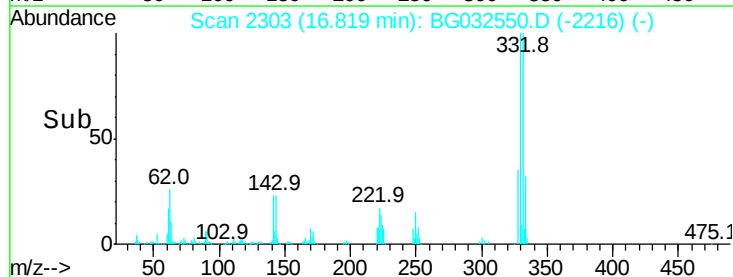
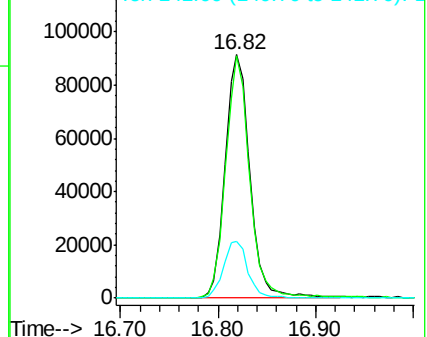
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	23.4	25.2	37.8#

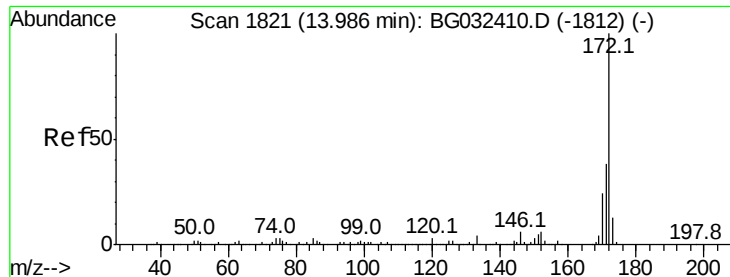


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

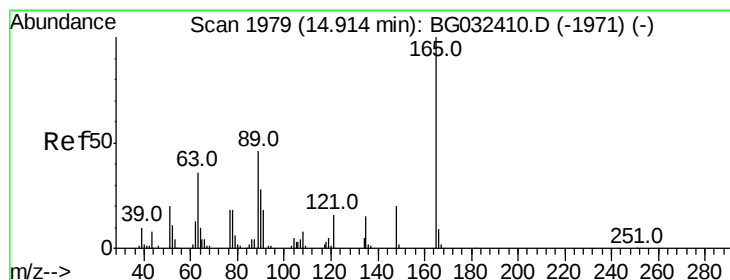
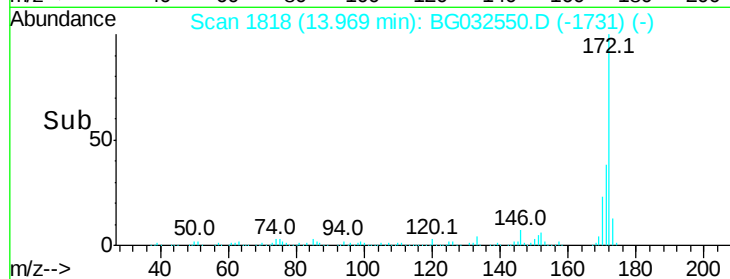
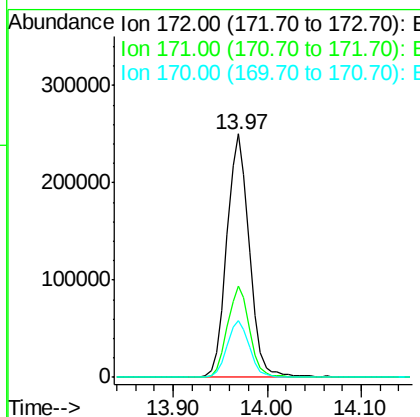
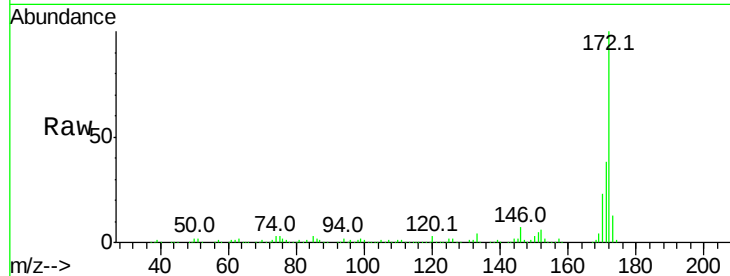




#44
 2-Fluorobiphenyl
 Concen: 87.424 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032550.D
 Acq: 6 Feb 2018 1:18

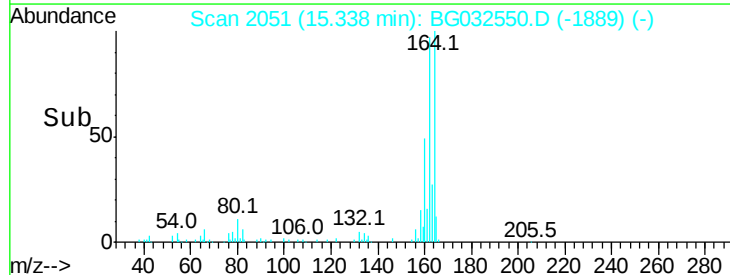
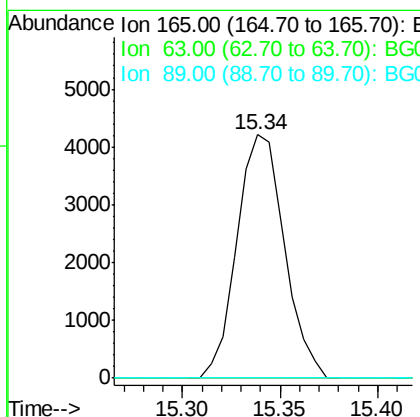
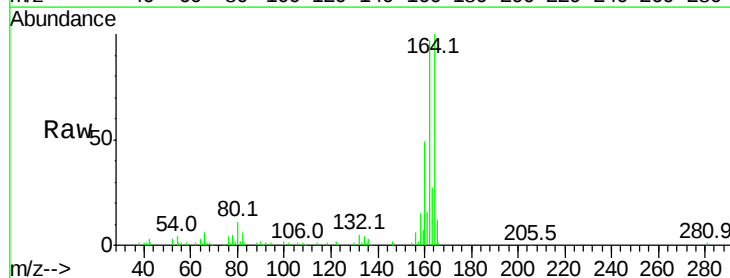
Instrument :
 BNA_G
 ClientSampleId :

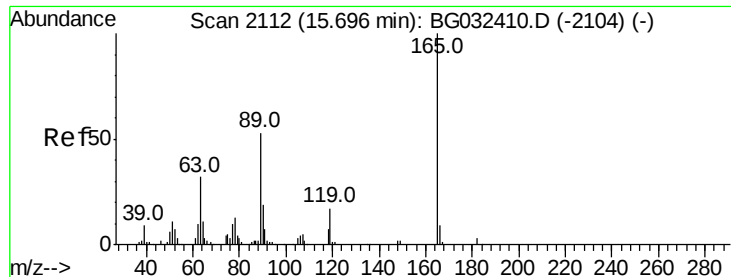
Tot Ion:172 Resp: 415507
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 23.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.473 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.42 min
 Lab File: BG032550.D
 Acq: 6 Feb 2018 1:18

Tgt Ion:165 Resp: 7077
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

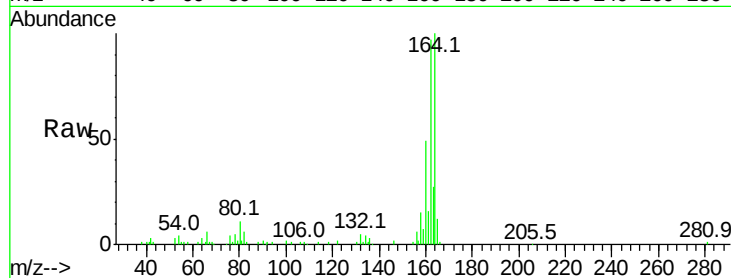




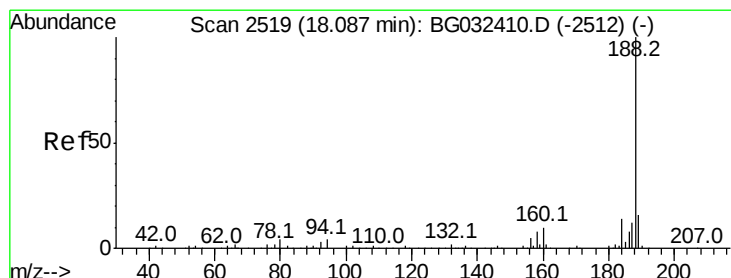
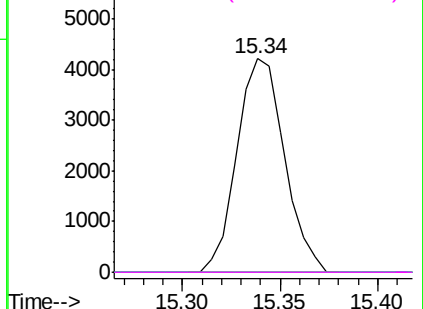
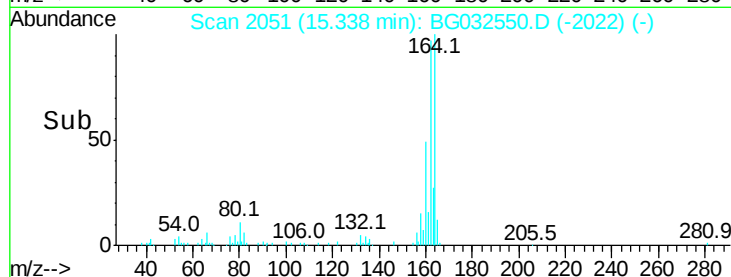
#56
 2,4-Dinitrotoluene
 Concen: 4.547 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.36 min
 Lab File: BG032550.D
 Acq: 6 Feb 2018 1:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7077
 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#

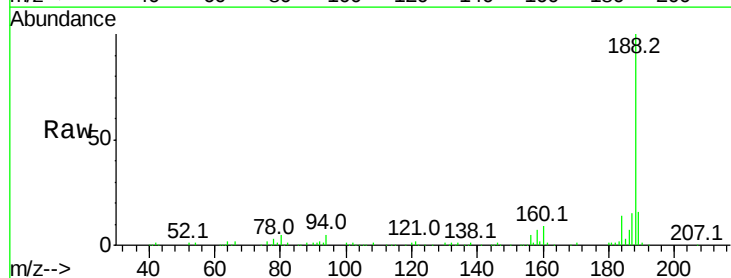


Abundance Ion 165.00 (164.70 to 165.70): E

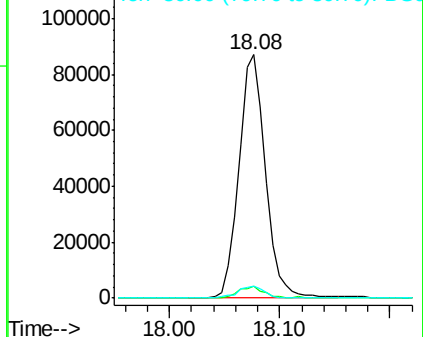
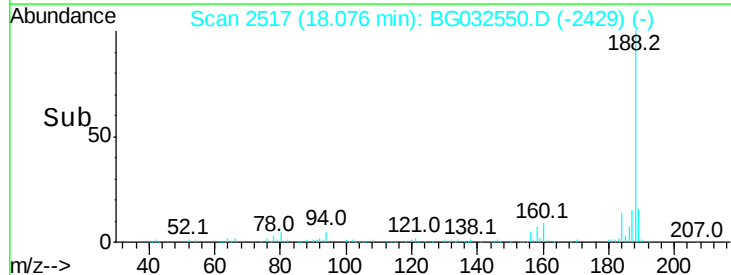


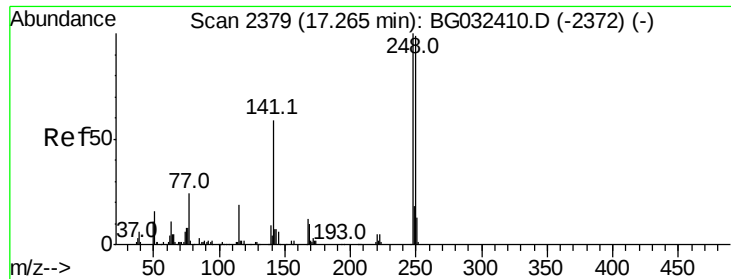
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032550.D
 Acq: 6 Feb 2018 1:18

Tgt Ion:188 Resp: 147177
 Ion Ratio Lower Upper
 188 100
 94 4.8 6.9 10.3#
 80 4.9 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

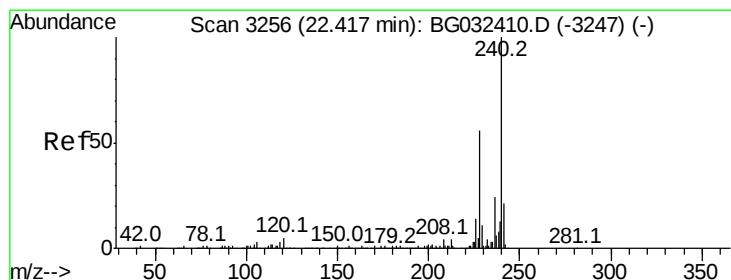
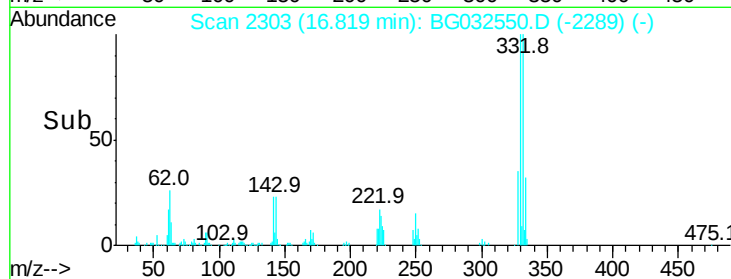
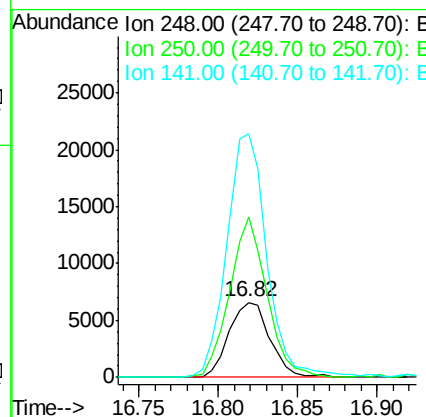
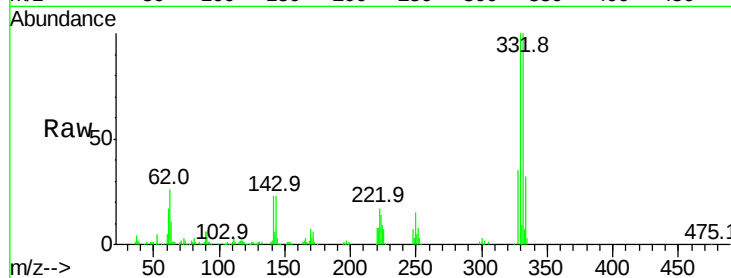




#66
4-Bromophenyl-phenylether
Concen: 5.415 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.45 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

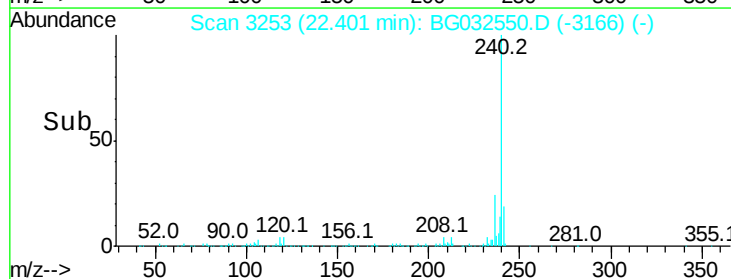
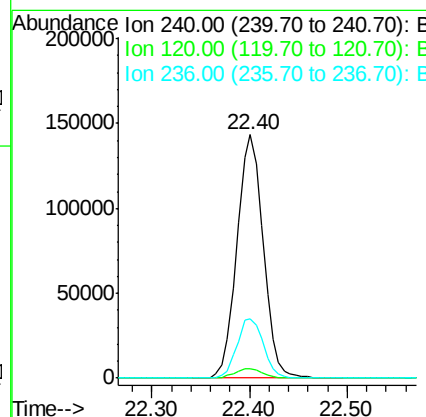
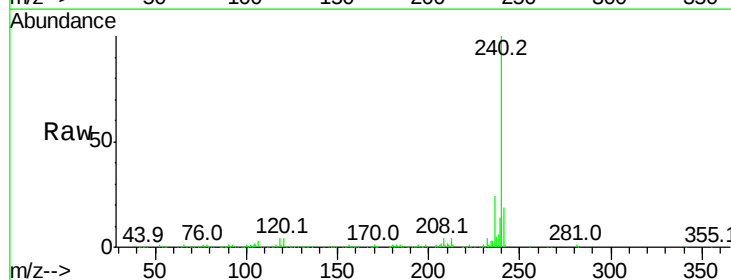
Instrument :
BNA_G
ClientSampleId :

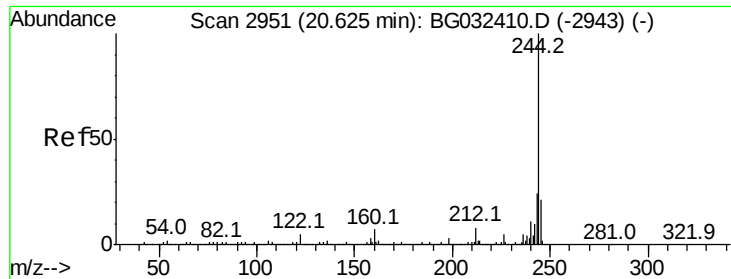
Tot Ion:248 Resp: 11807
Ion Ratio Lower Upper
248 100
250 212.8 77.1 115.7#
141 323.8 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BG032550.D
Acq: 6 Feb 2018 1:18

Tgt Ion:240 Resp: 268787
Ion Ratio Lower Upper
240 100
120 4.0 6.8 10.2#
236 24.1 20.9 31.3





#78

Terphenyl-d14

Concen: 63.999 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

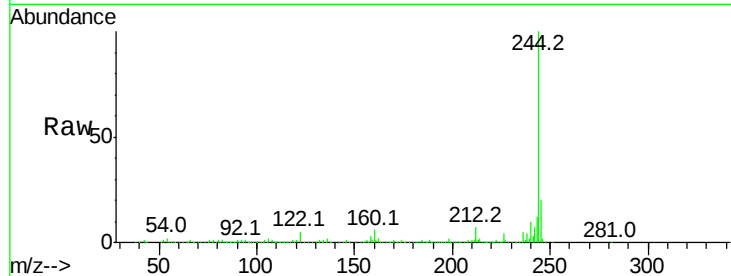
Tot Ion:244 Resp: 803057

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

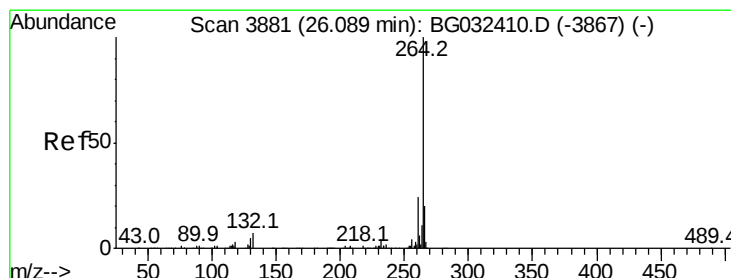
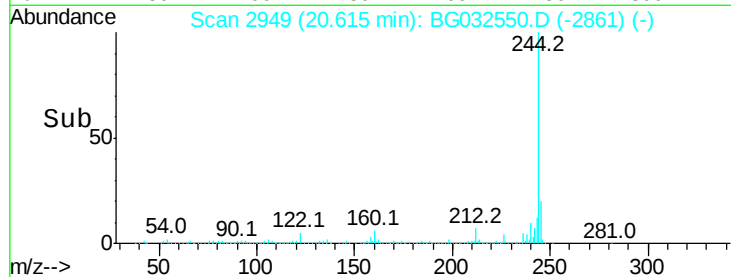
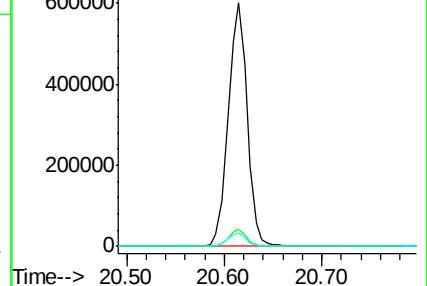
122 5.4 7.0 10.4#



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: 20.000 ng

RT: 26.07 min Scan# 3877

Delta R.T. -0.02 min

Lab File: BG032550.D

Acq: 6 Feb 2018 1:18

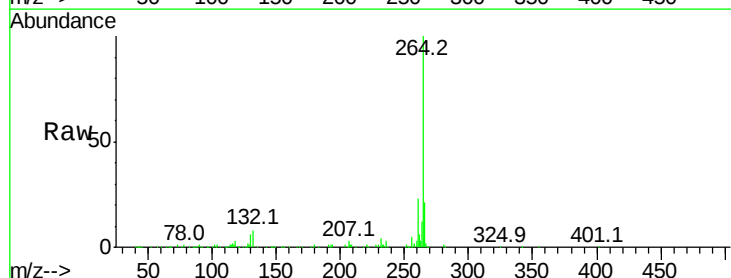
Tgt Ion:264 Resp: 294584

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 21.3 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

