

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122018\
 Data File : BG038769.D
 Acq On : 20 Dec 2018 19:32
 Operator : JU/SJ
 Sample : J6482-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DPC-91468-OS-01

Quant Time: Dec 21 00:22:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	30286	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	114922	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	67223	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	146023	20.00	ng	0.03
76) Chrysene-d12	21.75	240	143154	20.00	ng	0.02
87) Perylene-d12	25.04	264	150874	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	167794	98.27	ng	0.00
7) Phenol-d6	7.21	99	227234	96.94	ng	0.00
23) Nitrobenzene-d5	9.23	82	149310	66.37	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	111372	120.21	ng	0.02
45) 2-Fluorobiphenyl	13.31	172	349999	71.43	ng	0.00
79) Terphenyl-d14	20.07	244	611180	92.92	ng	0.03

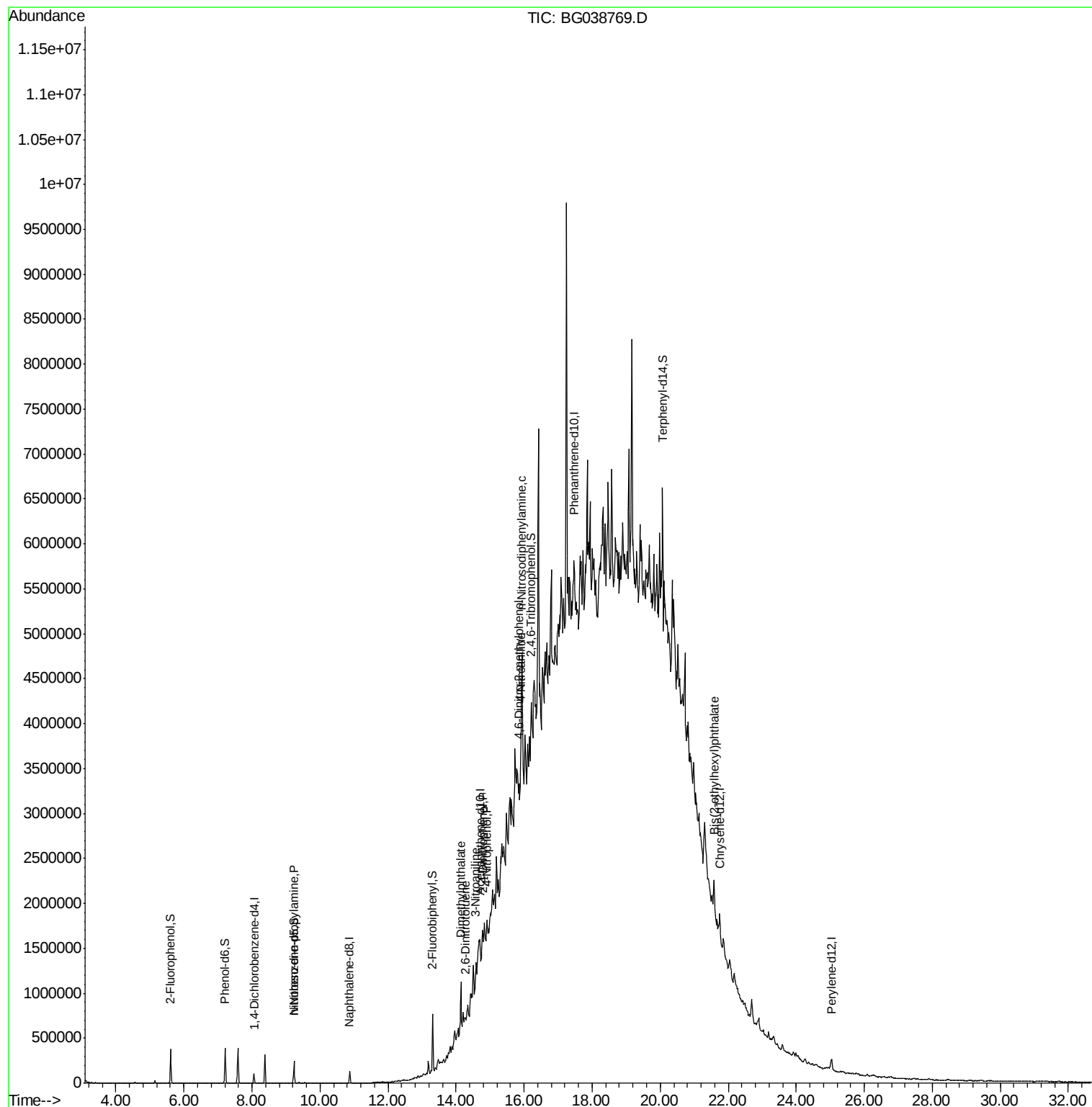
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.23	70	19567	11.885	ng	# 72
50) Dimethylphthalate	14.14	163	16152	2.942	ng	# 69
51) 2,6-Dinitrotoluene	14.29	165	6500	5.225	ng	# 27
53) 3-Nitroaniline	14.59	138	4372	3.448	ng	# 50
54) 2,4-Dinitrophenol	14.80	184	262	5.512	ng	# 1
56) 4-Nitrophenol	14.89	139	2273	2.363	ng	# 1
62) 4-Nitroaniline	15.90	138	6518	4.992	ng	85
65) 4,6-Dinitro-2-methylphenol	15.86	198	2967	2.848	ng	# 1
66) n-Nitrosodiphenylamine	15.94	169	30269	7.055	ng	# 71
84) Bis(2-ethylhexyl)phthalate	21.58	149	41914	7.998	ng	# 76

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

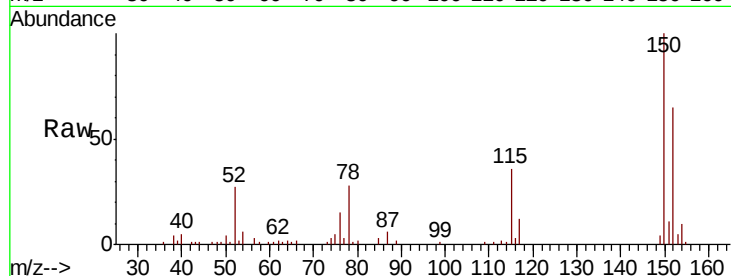
Tgt Ion:152 Resp: 30286

Ion Ratio Lower Upper

152 100

150 154.9 119.5 179.3

115 56.3 49.6 74.4

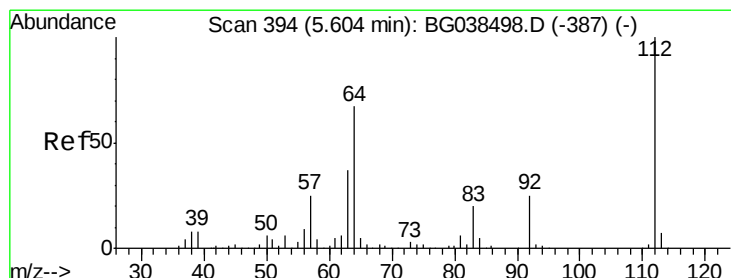
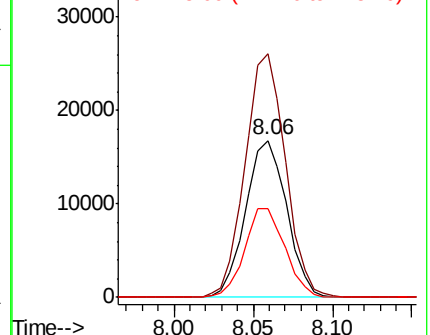
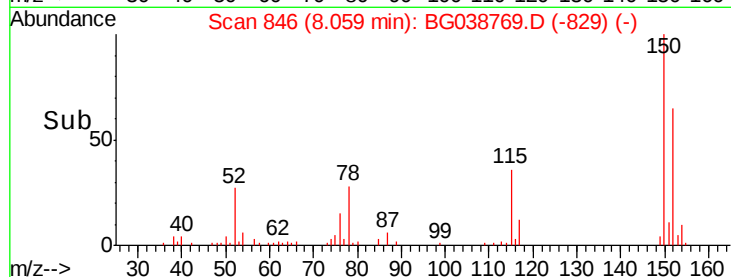


Abundance

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: 98.266 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

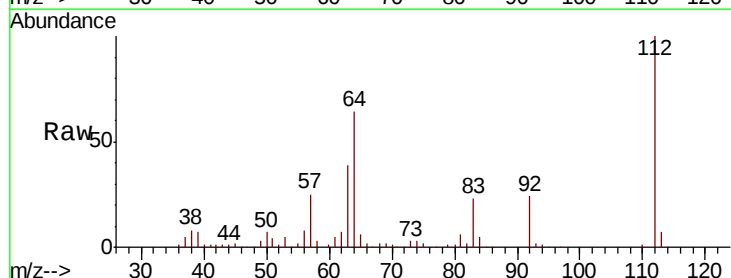
Tgt Ion:112 Resp: 167794

Ion Ratio Lower Upper

112 100

64 63.9 53.4 80.2

63 38.9 29.3 43.9

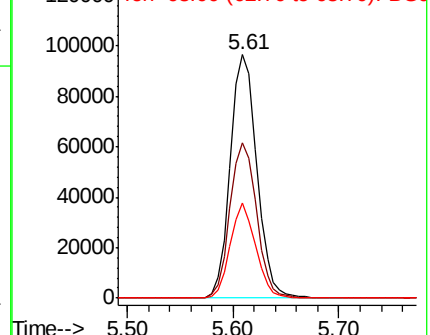
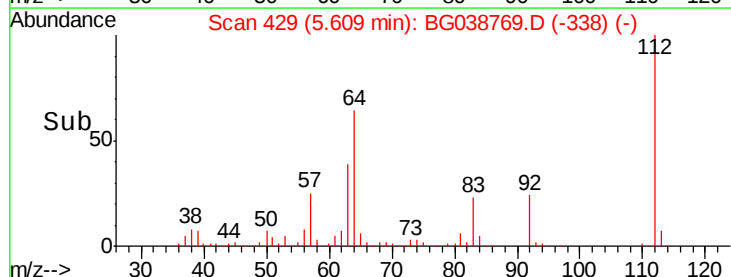


Abundance

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: 96.937 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

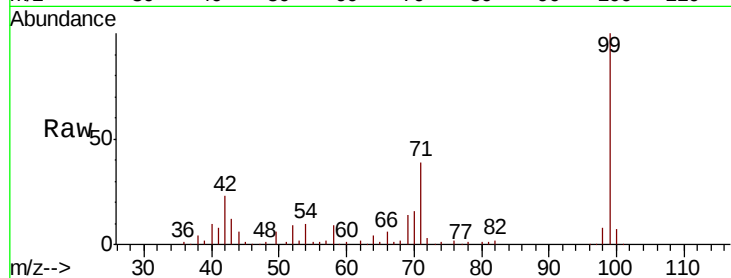
Tgt Ion: 99 Resp: 227234

Ion Ratio Lower Upper

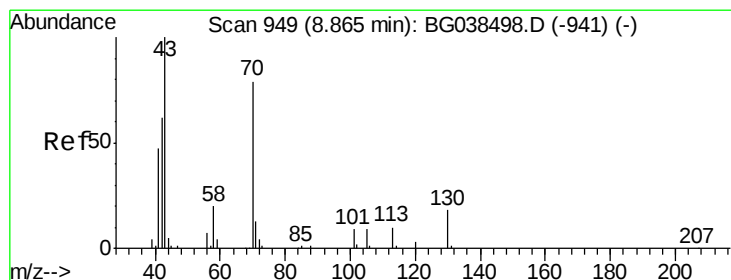
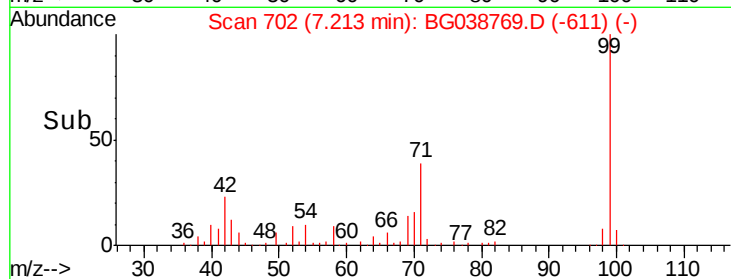
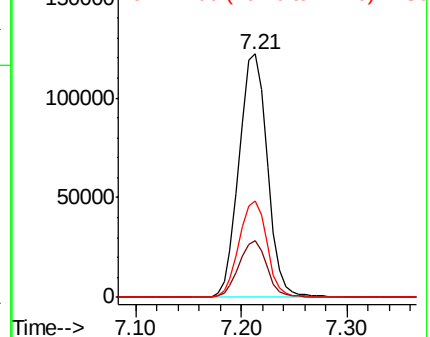
99 100

42 23.4 18.5 27.7

71 39.5 31.1 46.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.885 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

Tgt Ion: 70 Resp: 19567

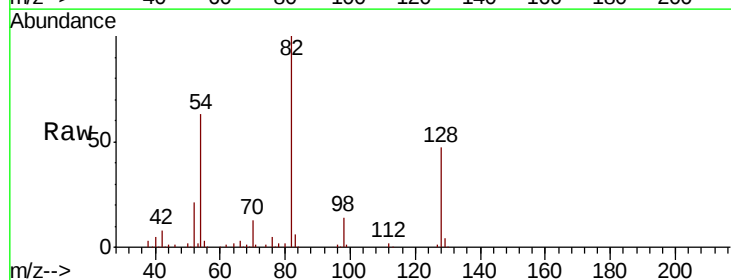
Ion Ratio Lower Upper

70 100

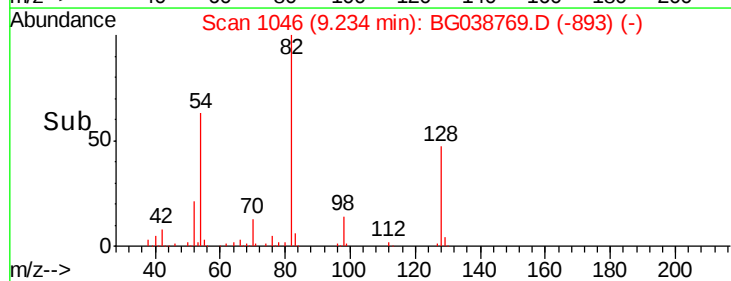
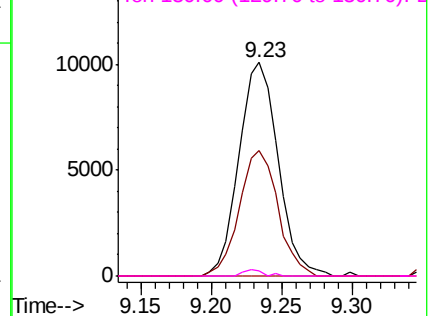
42 58.9 63.6 95.4#

101 0.0 9.2 13.8#

130 2.7 18.5 27.7#



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): BGC
Ion 130.00 (129.70 to 130.70): BGC

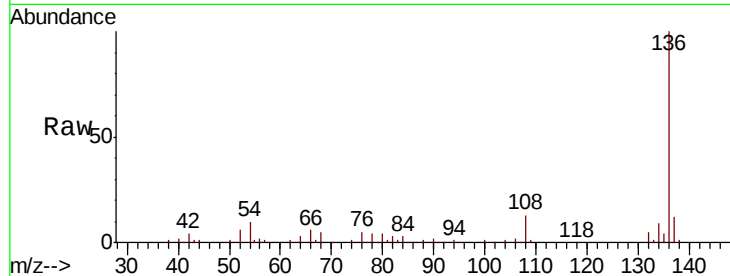




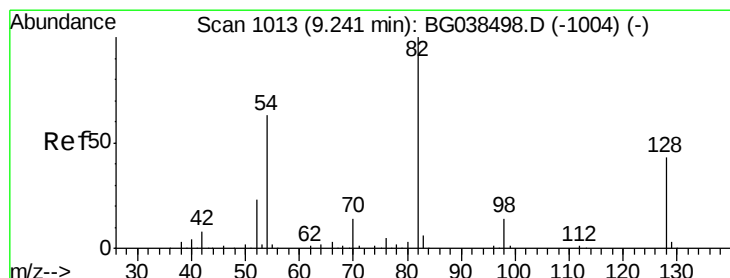
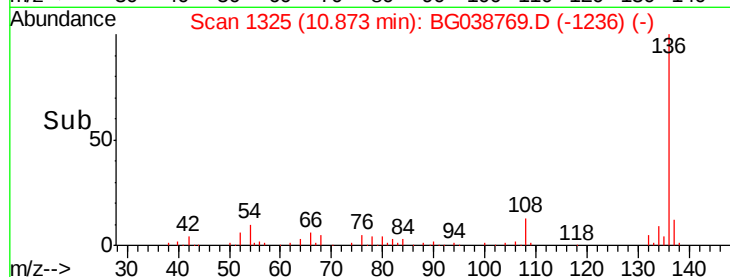
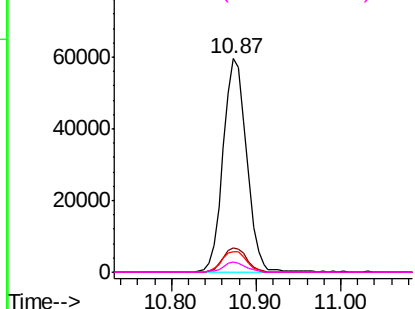
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

Instrument :
BNA_G
ClientSampleId :
DPC-91468-OS-01

Tgt Ion: 136 Resp: 114922
Ion Ratio Lower Upper
136 100
137 11.6 9.3 13.9
54 9.8 8.5 12.7
68 5.0 3.5 5.3

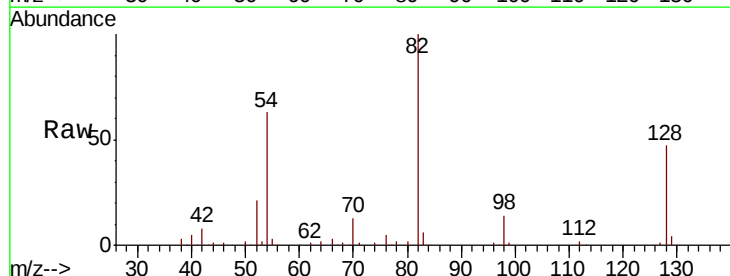


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

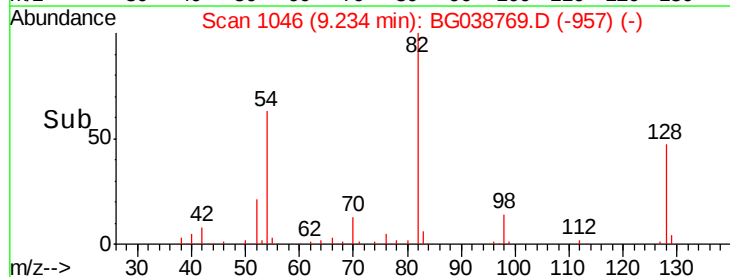
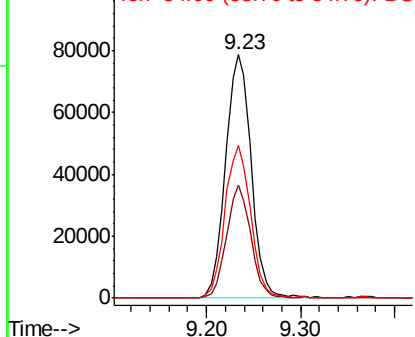


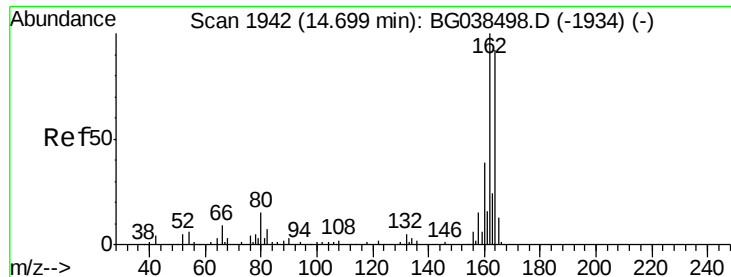
#23
Nitrobenzene-d5
Concen: 66.374 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

Tgt Ion: 82 Resp: 149310
Ion Ratio Lower Upper
82 100
128 46.5 34.6 52.0
54 62.7 50.6 76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

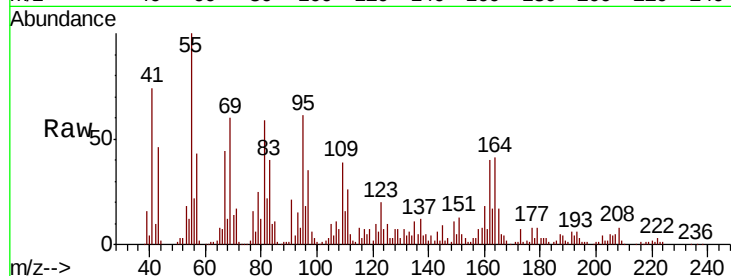
Tgt Ion:164 Resp: 67223

Ion Ratio Lower Upper

164 100

162 95.4 86.6 130.0

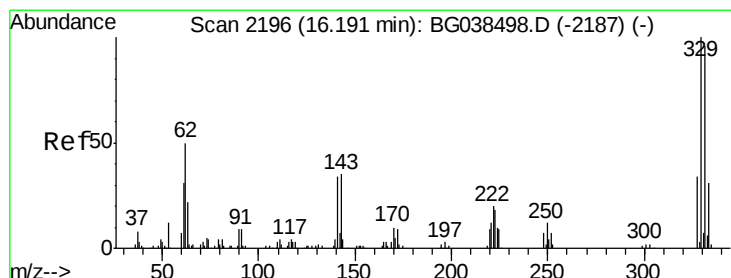
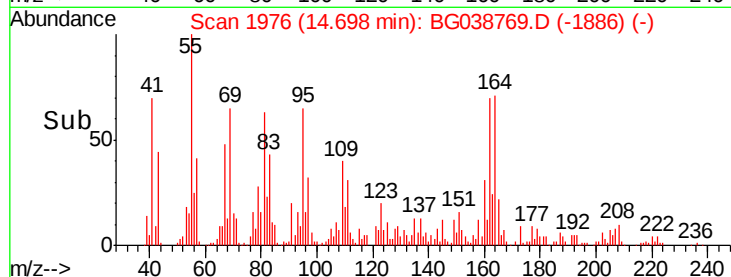
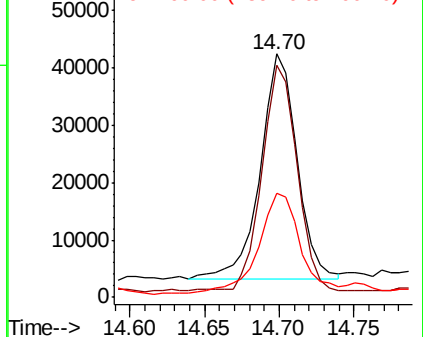
160 42.8 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 120.213 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.02 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

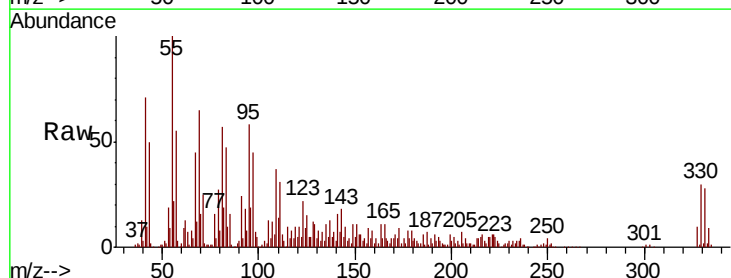
Tgt Ion:330 Resp: 111372

Ion Ratio Lower Upper

330 100

332 95.0 76.9 115.3

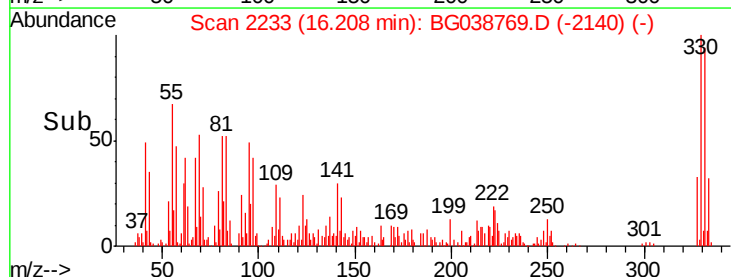
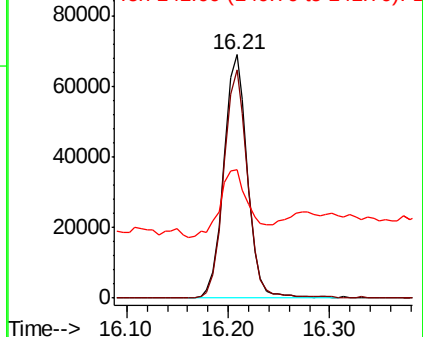
141 34.0 28.8 43.2

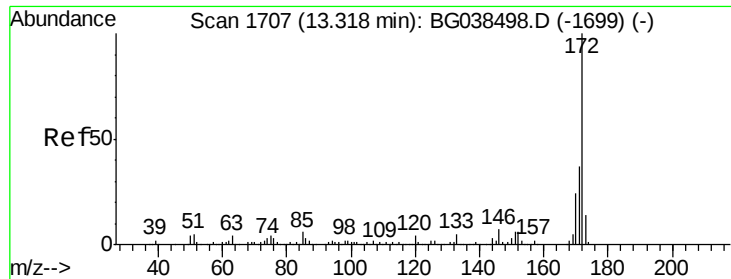


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

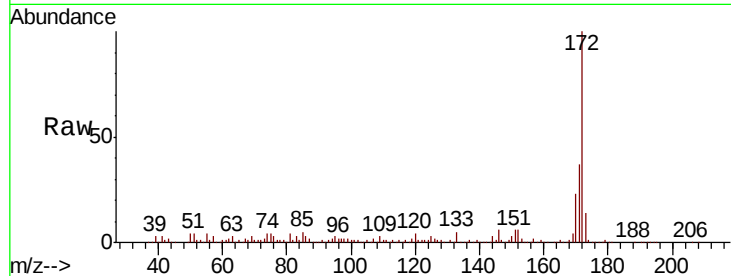




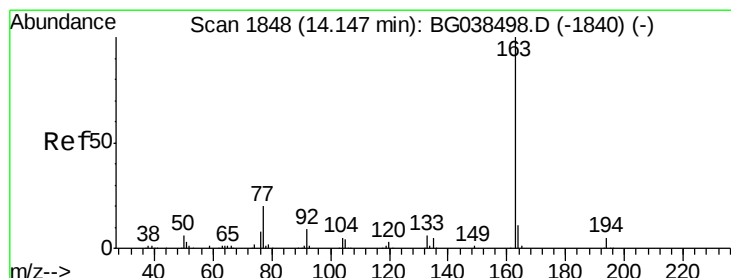
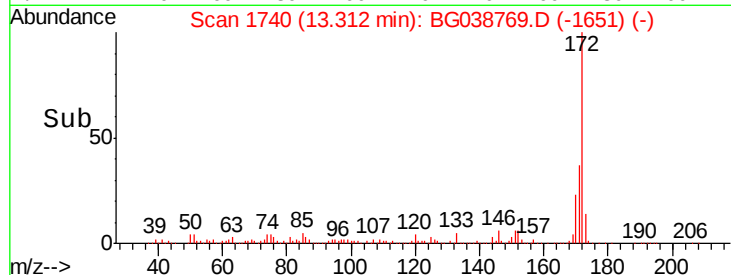
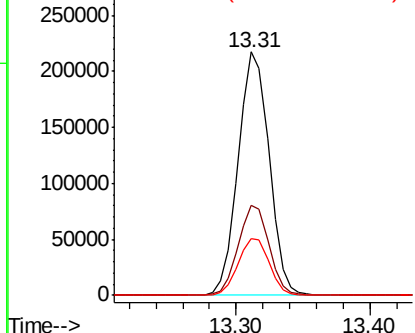
#45
2-Fluorobiphenyl
Concen: 71.426 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

Instrument :
BNA_G
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DPC-91468-OS-01

Tgt Ion:	172	Resp:	349999
Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	23.4	19.5	29.3

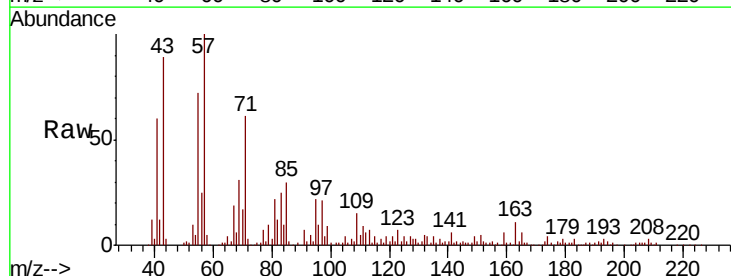


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

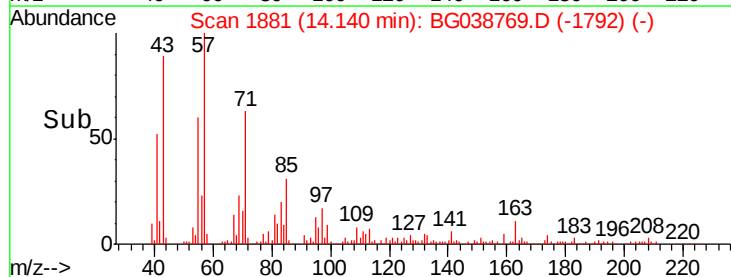
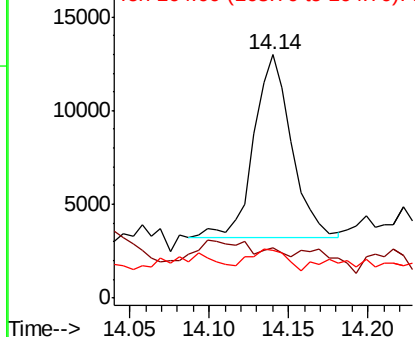


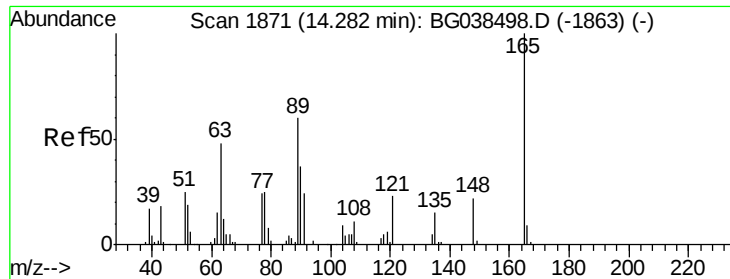
#50
Dimethylphthalate
Concen: 2.942 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

Tgt Ion:	163	Resp:	16152
Ion	Ratio	Lower	Upper
163	100		
194	20.6	3.7	5.5#
164	19.6	8.6	12.8#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 5.225 ng

RT: 14.29 min Scan# 1906

Delta R.T. 0.01 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

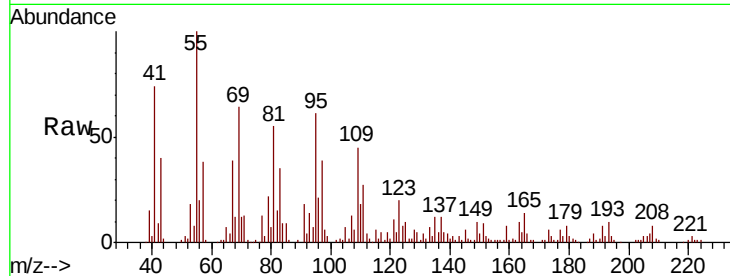
Tgt Ion:165 Resp: 6500

Ion Ratio Lower Upper

165 100

63 7.6 51.8 77.6#

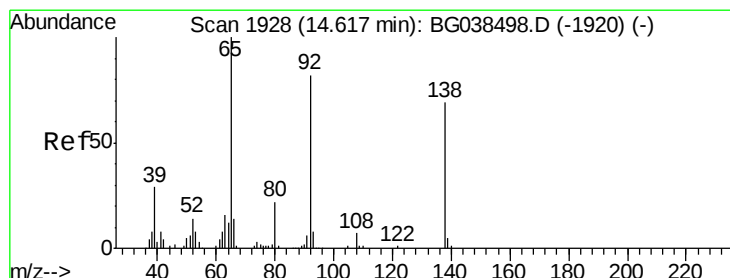
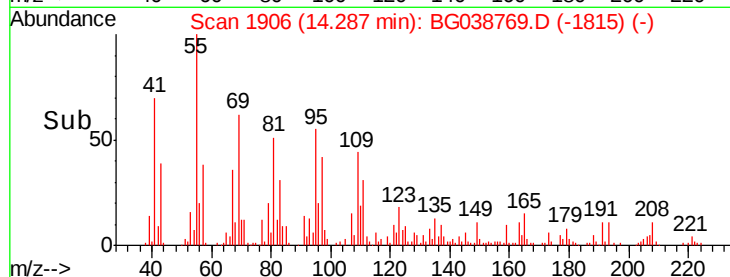
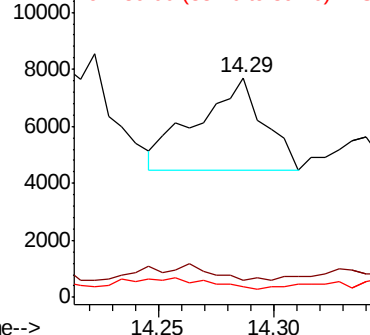
89 5.0 47.9 71.9#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#53

3-Nitroaniline

Concen: 3.448 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

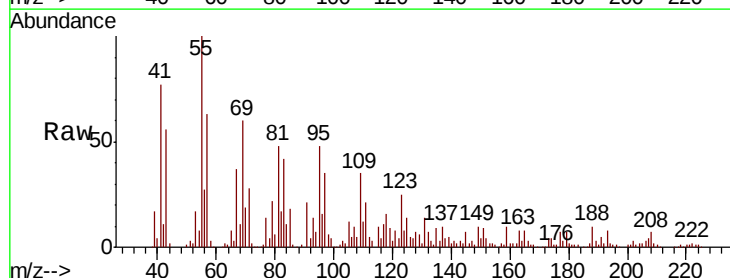
Tgt Ion:138 Resp: 4372

Ion Ratio Lower Upper

138 100

108 115.1 7.9 11.9#

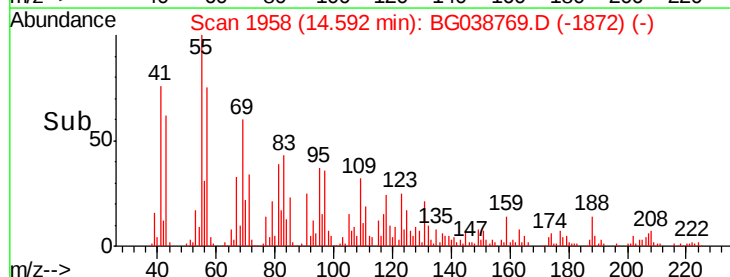
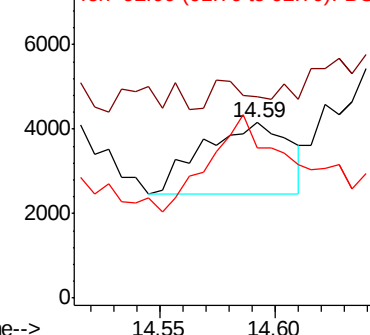
92 85.8 95.3 142.9#

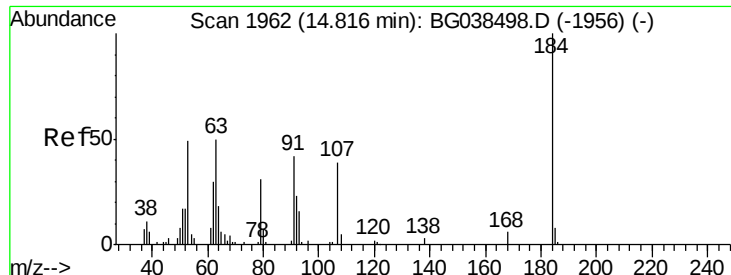


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

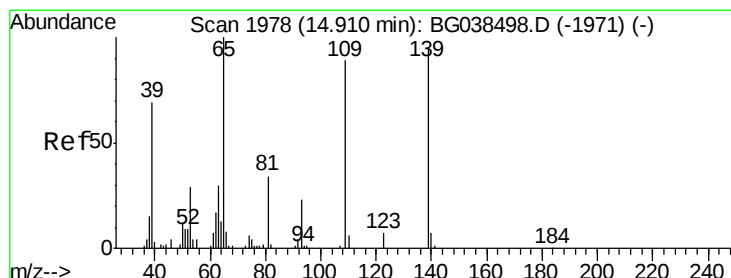
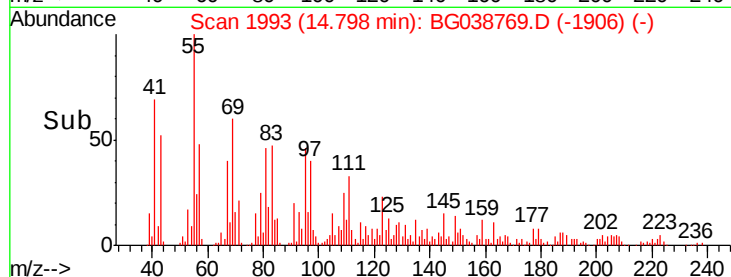
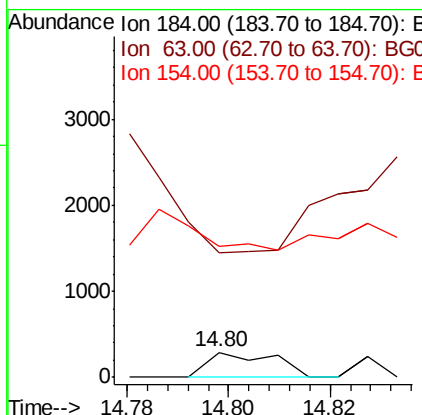
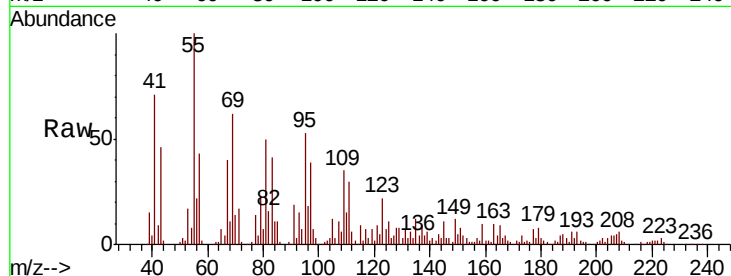




#54
 2,4-Dinitrophenol
 Concen: 5.512 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BG038769.D
 Acq: 20 Dec 2018 19:32

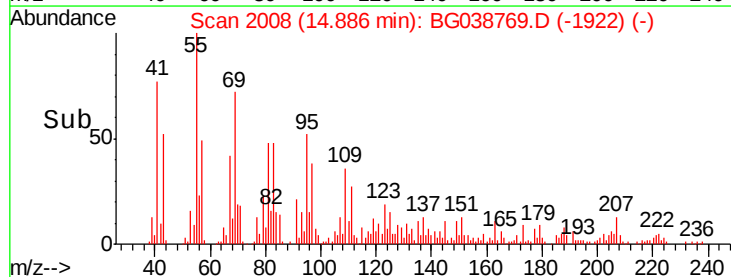
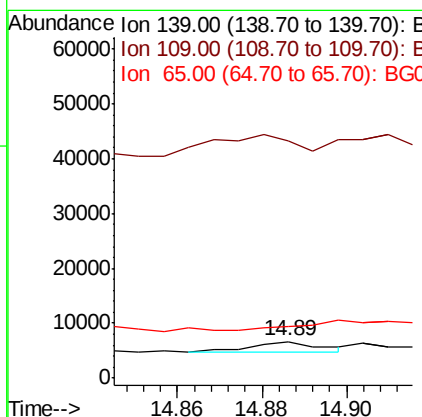
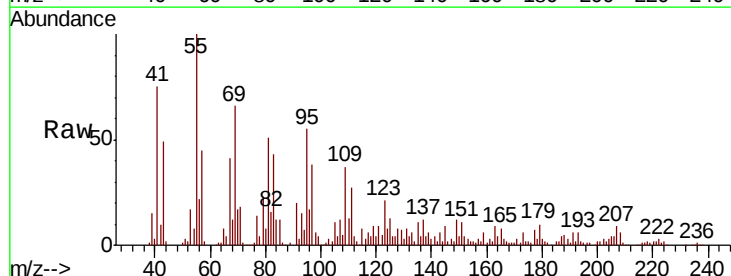
Instrument :
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 ClientSampleId :
 DPC-91468-OS-01

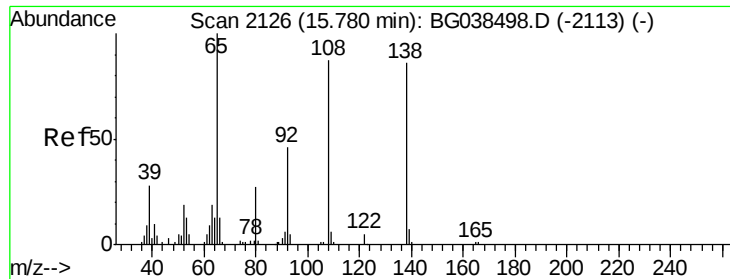
Tgt Ion:184 Resp: 262
 Ion Ratio Lower Upper
 184 100
 63 495.9 47.0 70.6#
 154 519.1 50.3 75.5#



#56
 4-Nitrophenol
 Concen: 2.363 ng
 RT: 14.89 min Scan# 2008
 Delta R.T. -0.02 min
 Lab File: BG038769.D
 Acq: 20 Dec 2018 19:32

Tgt Ion:139 Resp: 2273
 Ion Ratio Lower Upper
 139 100
 109 648.8 73.6 113.6#
 65 142.4 84.8 124.8#

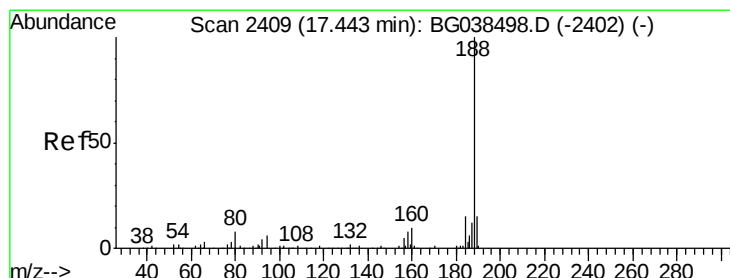
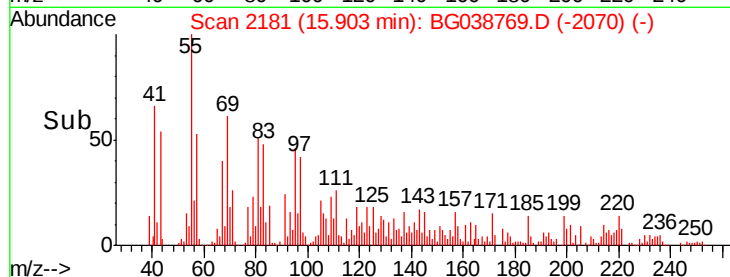
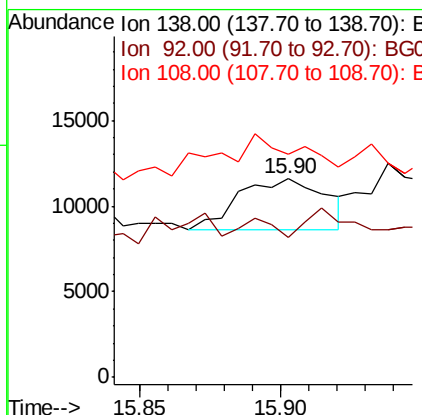
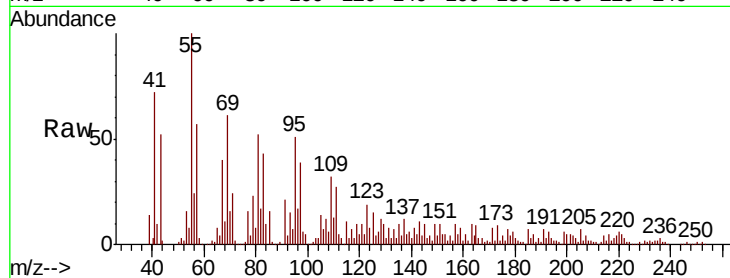




#62
4-Nitroaniline
Concen: 4.992 ng
RT: 15.90 min Scan# 2181
Delta R.T. 0.12 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

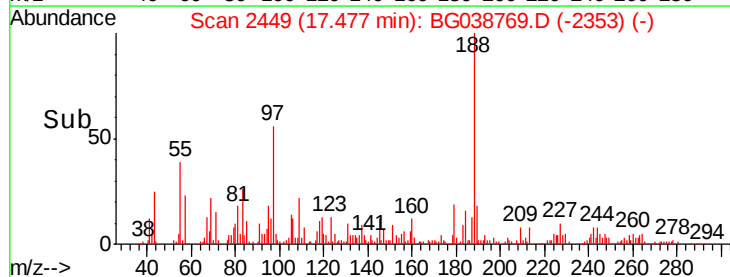
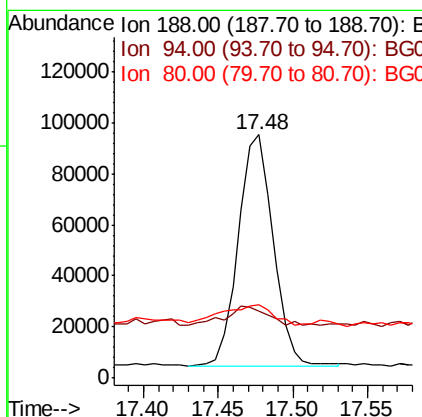
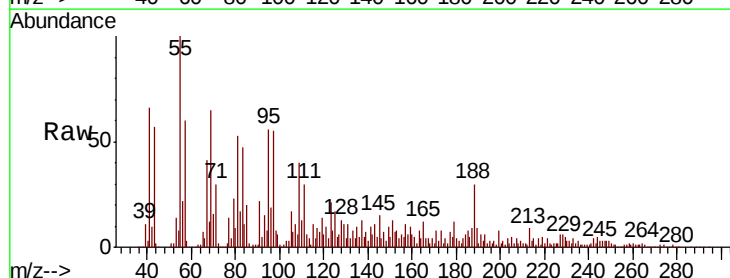
Instrument :
BNA_G
ClientSampleId :
DPC-91468-OS-01

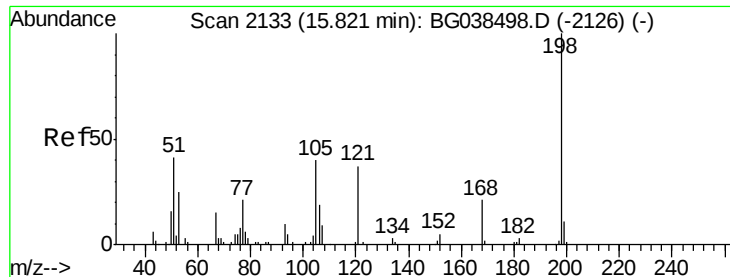
Tgt Ion:138 Resp: 6518
Ion Ratio Lower Upper
138 100
92 70.4 33.3 73.3
108 112.3 81.4 121.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. 0.03 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

Tgt Ion:188 Resp: 146023
Ion Ratio Lower Upper
188 100
94 27.7 5.1 7.7#
80 29.9 6.1 9.1#





#65

4,6-Dinitro-2-methylphenol

Concen: 2.848 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.04 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

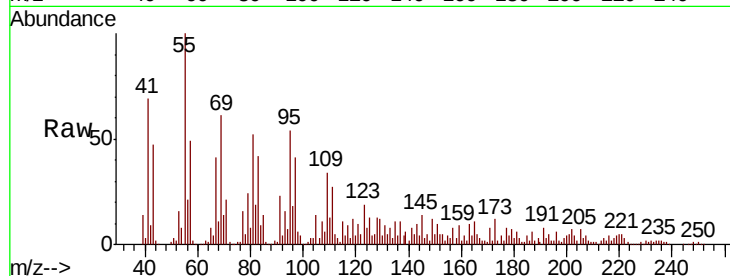
Tgt Ion:198 Resp: 2967

Ion Ratio Lower Upper

198 100

51 473.1 28.6 68.6#

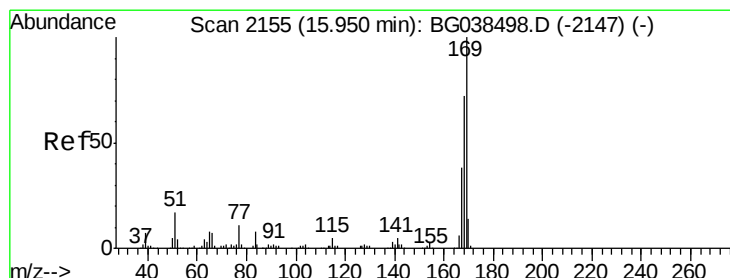
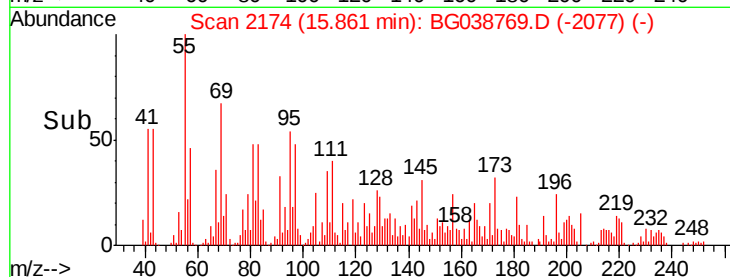
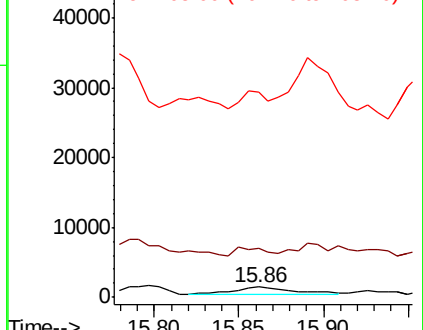
105 1968.8 20.4 60.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 7.055 ng

RT: 15.94 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

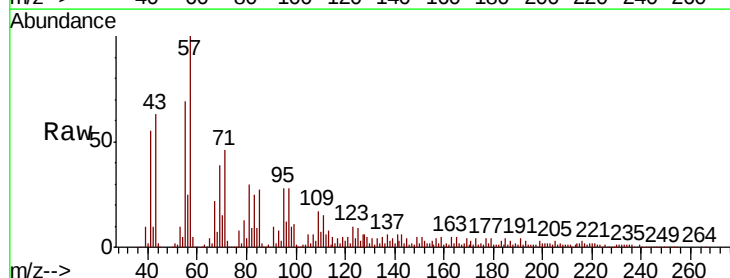
Tgt Ion:169 Resp: 30269

Ion Ratio Lower Upper

169 100

168 38.4 57.5 86.3#

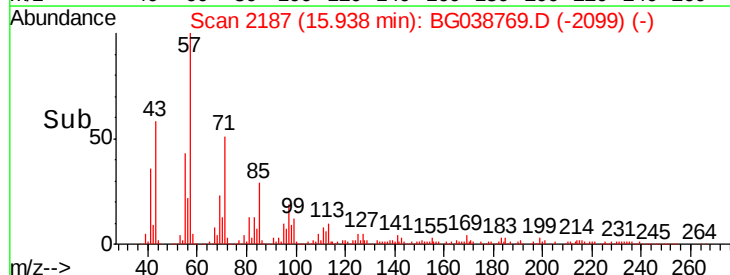
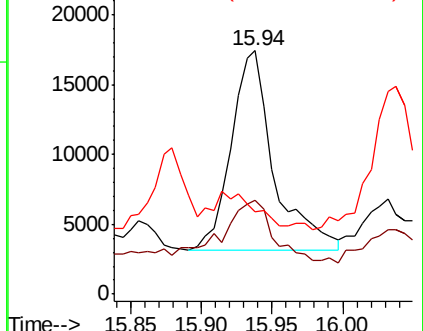
167 33.8 30.2 45.2

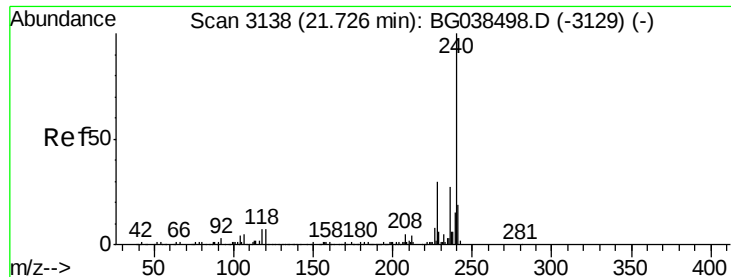


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

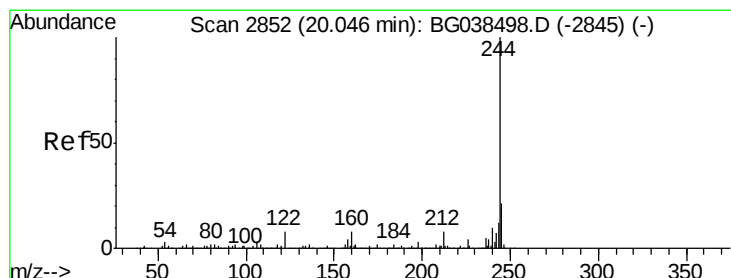
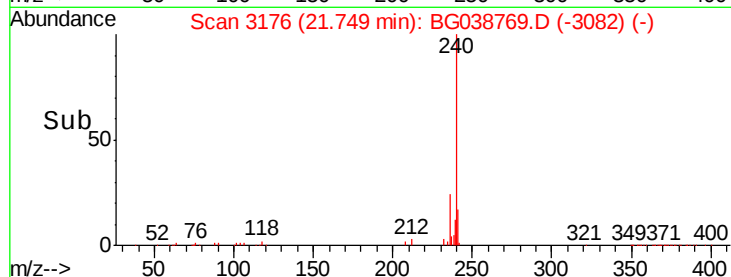
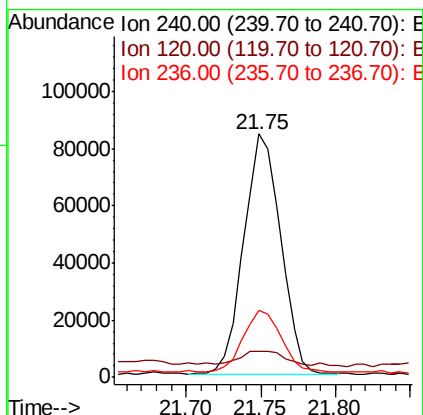
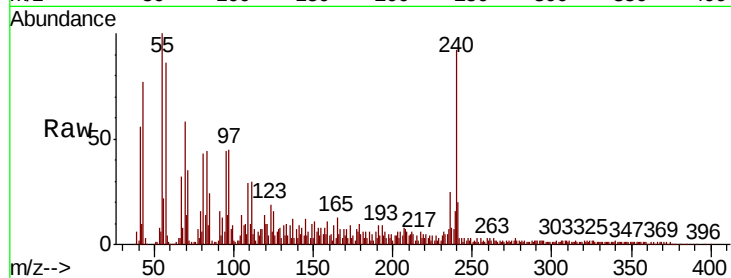




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. 0.02 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

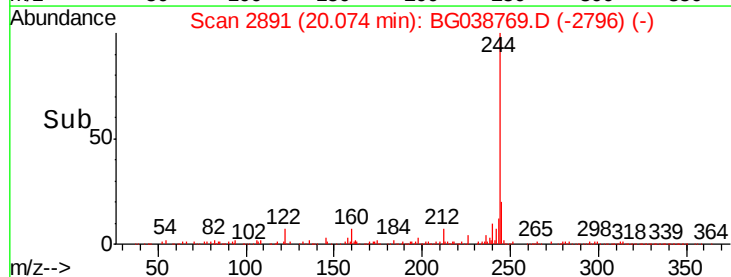
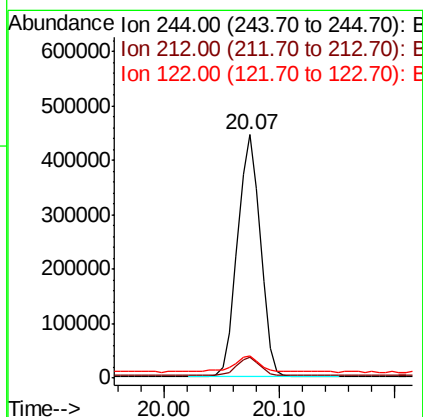
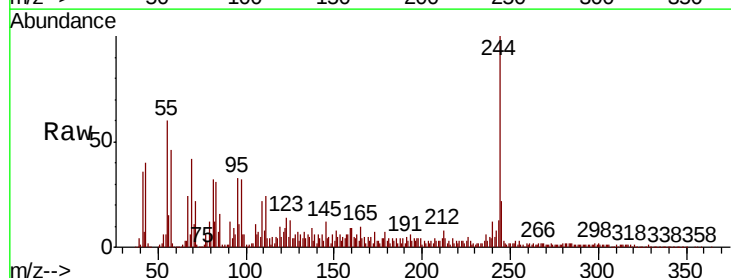
Instrument :
BNA_G
ClientSampleId :
DPC-91468-OS-01

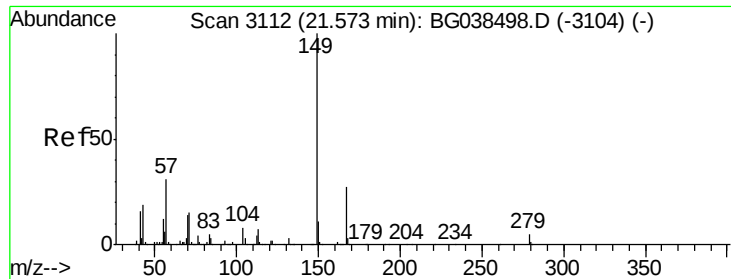
Tgt Ion:240 Resp: 143154
Ion Ratio Lower Upper
240 100
120 10.9 5.3 7.9#
236 27.6 21.4 32.2



#79
Terphenyl-d14
Concen: 92.916 ng
RT: 20.07 min Scan# 2891
Delta R.T. 0.03 min
Lab File: BG038769.D
Acq: 20 Dec 2018 19:32

Tgt Ion:244 Resp: 611180
Ion Ratio Lower Upper
244 100
212 8.4 6.2 9.2
122 9.3 6.3 9.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.998 ng

RT: 21.58 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

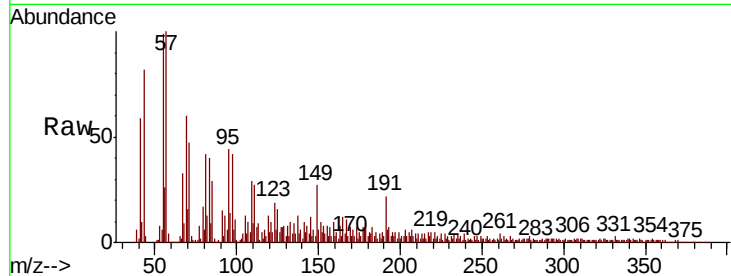
Tgt Ion:149 Resp: 41914

Ion Ratio Lower Upper

149 100

167 40.6 21.9 32.9#

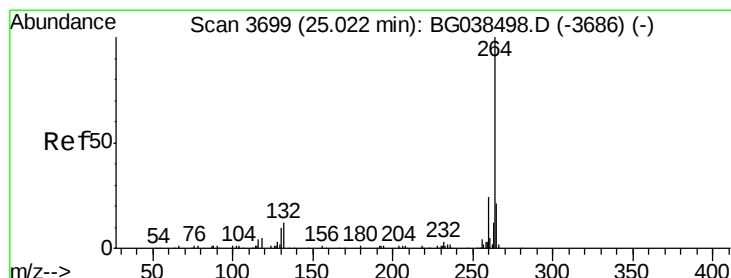
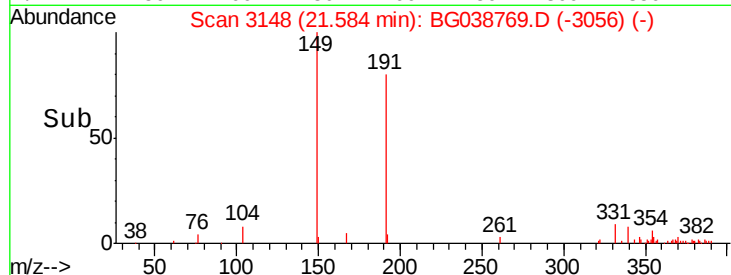
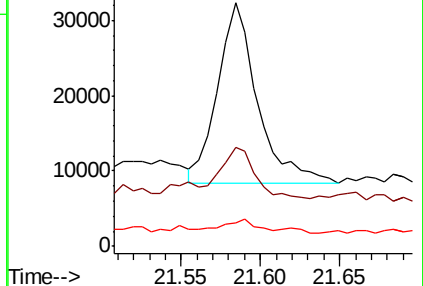
279 9.9 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3736

Delta R.T. 0.02 min

Lab File: BG038769.D

Acq: 20 Dec 2018 19:32

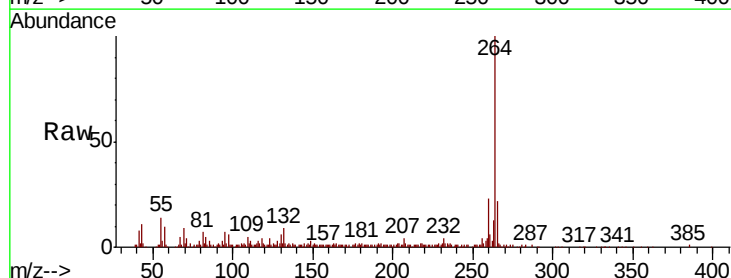
Tgt Ion:264 Resp: 150874

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.8 17.0 25.4



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

