

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044935.D
 Acq On : 24 Mar 2020 18:08
 Operator : CG/JU
 Sample : L2021-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-B

Quant Time: Mar 25 02:34:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 23 07:18:46 2020
 Response via : Initial Calibration

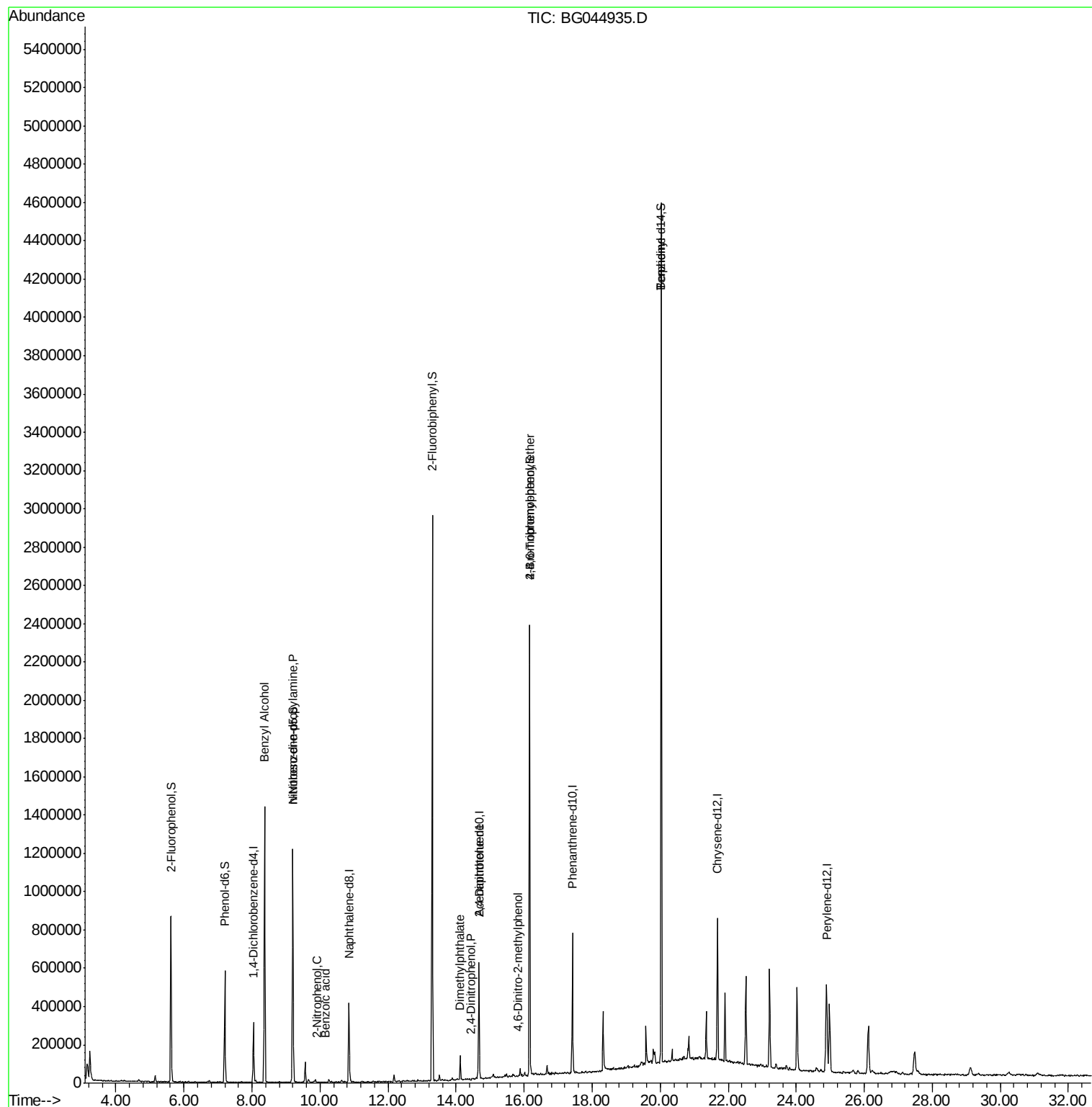
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	91526	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	356499	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	220984	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	468669	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	464938	20.00	ng	-0.02
87) Perylene-d12	24.89	264	513648	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	403017	68.55	ng	0.00
7) Phenol-d6	7.20	99	358251	41.94	ng	0.00
23) Nitrobenzene-d5	9.20	82	779605	95.96	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	461926	159.65	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1559039	101.03	ng	0.00
79) Terphenyl-d14	20.03	244	2069717	83.27	ng	0.00
Target Compounds						
9) Benzaldehyde	7.18	77	390	Below Cal	#	34
15) Benzyl Alcohol	8.37	79	13855	2.02 ng	#	51
19) n-Nitroso-di-n-propylamine	9.20	70	106049	17.58 ng	#	77
26) 2-Nitrophenol	9.93	139	55	5.53 ng	#	28
32) Benzoic acid	10.14	122	109	9.69 ng	#	1
50) Dimethylphthalate	14.12	163	86120	4.89 ng		98
54) 2,4-Dinitrophenol	14.44	184	90	8.37 ng	#	21
57) 2,4-Dinitrotoluene	14.67	165	29881	6.14 ng	#	22
65) 4,6-Dinitro-2-methylphenol	15.81	198	55	7.75 ng	#	1
67) 4-Bromophenyl-phenylether	16.16	248	31602	5.39 ng	#	1
77) Benzidine	20.03	184	44129	2.92 ng	#	86

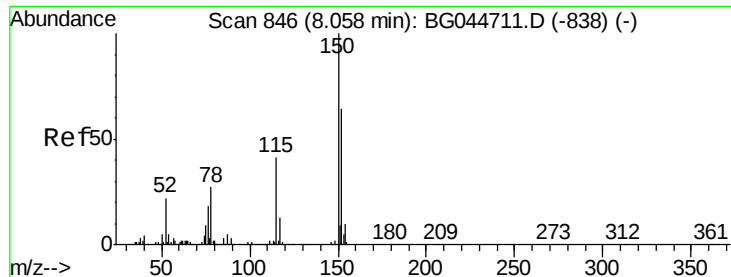
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

Instrument :

BNA_G

ClientSampled :

MW-B

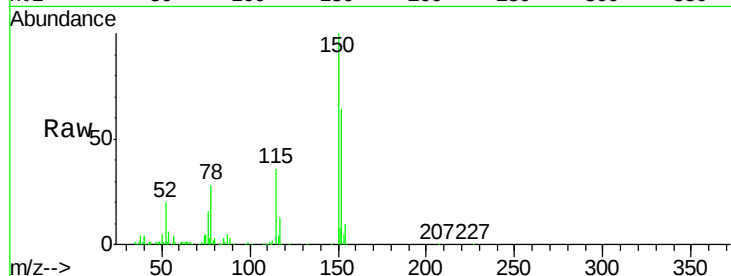
Tgt Ion:152 Resp: 91526

Ion Ratio Lower Upper

152 100

150 156.6 128.8 193.2

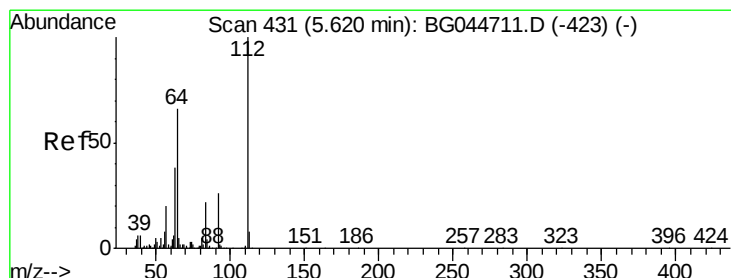
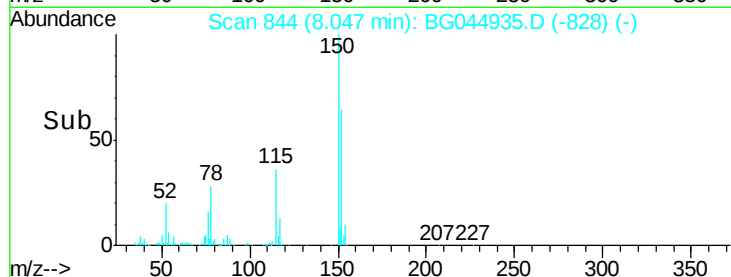
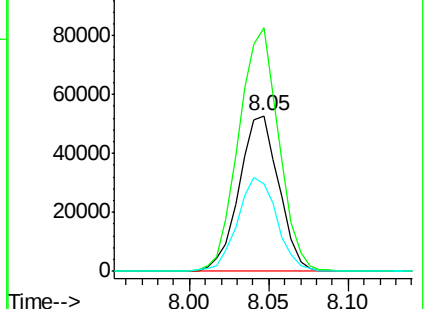
115 56.0 52.6 79.0



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: 68.55 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

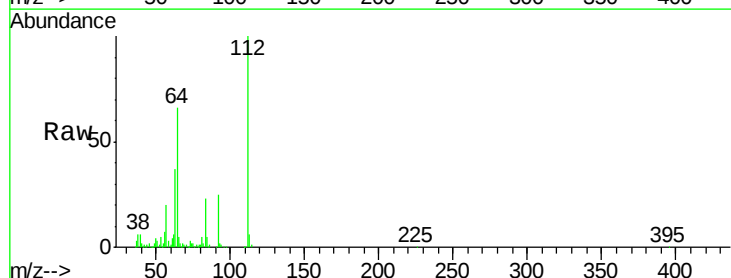
Tgt Ion:112 Resp: 403017

Ion Ratio Lower Upper

112 100

64 65.9 53.4 80.2

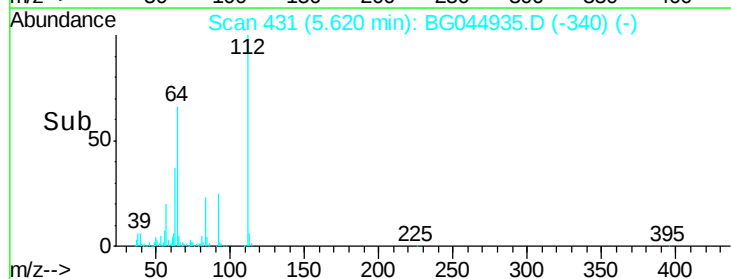
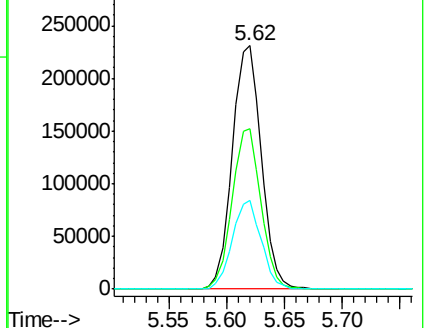
63 36.7 29.4 44.2

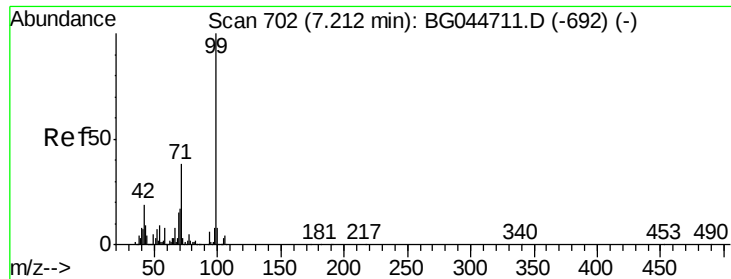


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 41.94 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

Instrument :

BNA_G

ClientSampled :

MW-B

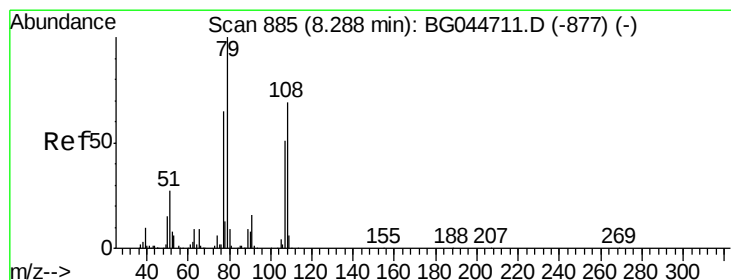
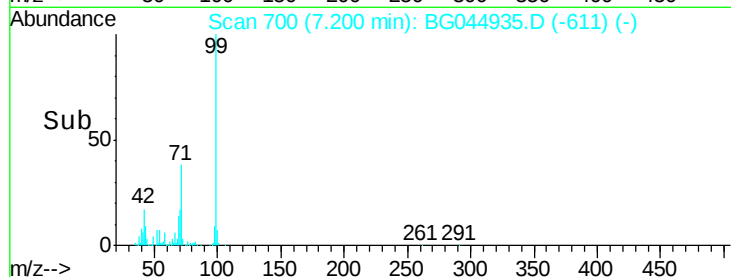
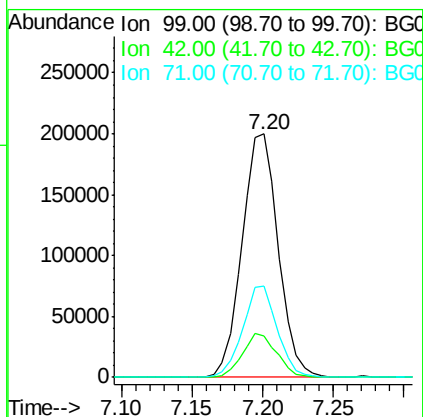
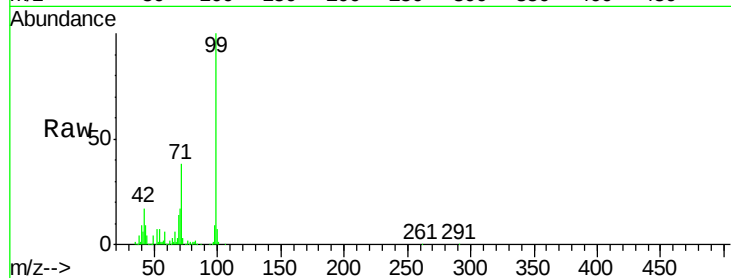
Tgt Ion: 99 Resp: 358251

Ion Ratio Lower Upper

99 100

42 17.1 12.6 19.0

71 37.5 29.0 43.4



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 8.37 min Scan# 899

Delta R.T. 0.09 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

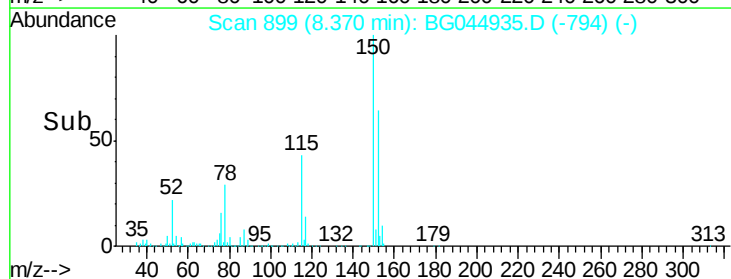
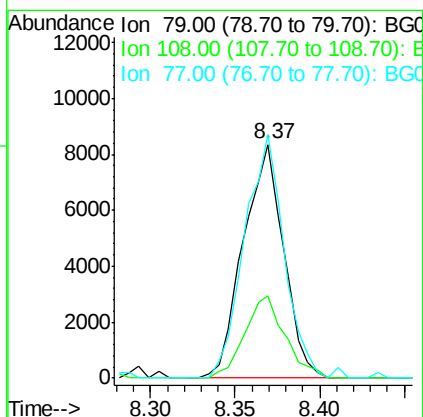
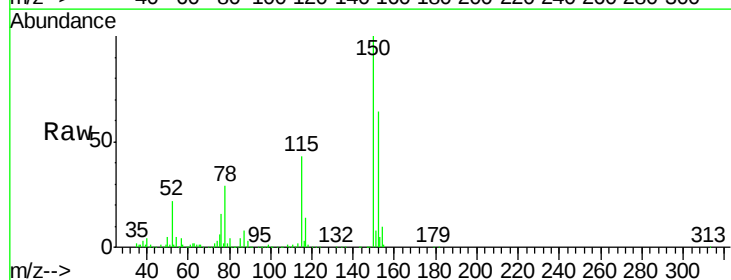
Tgt Ion: 79 Resp: 13855

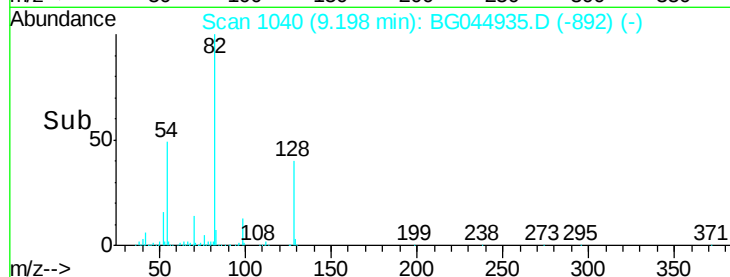
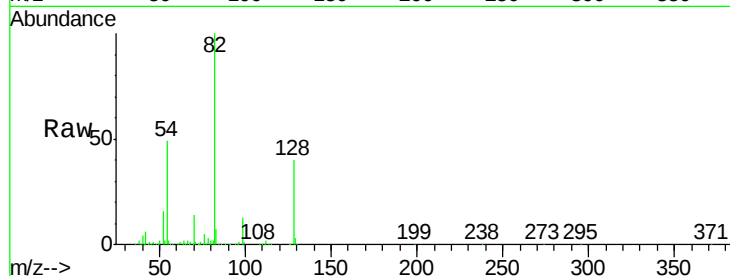
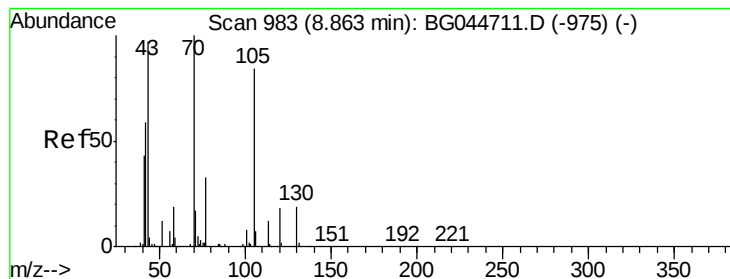
Ion Ratio Lower Upper

79 100

108 35.1 53.8 80.8#

77 104.1 47.8 71.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.58 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

Instrument :

BNA_G

ClientSampleId :

MW-B

Tgt Ion: 70 Resp: 106049

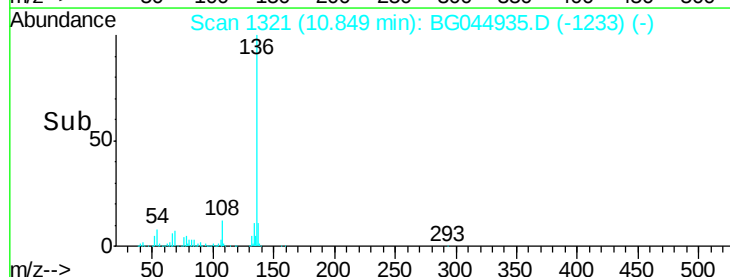
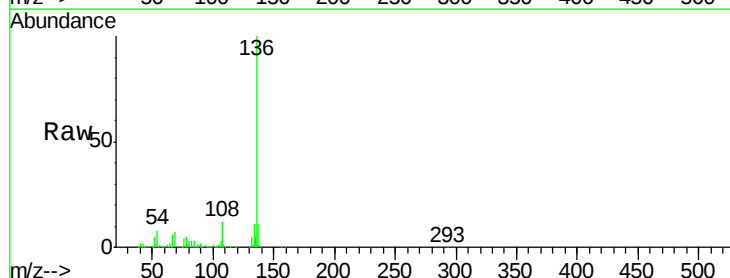
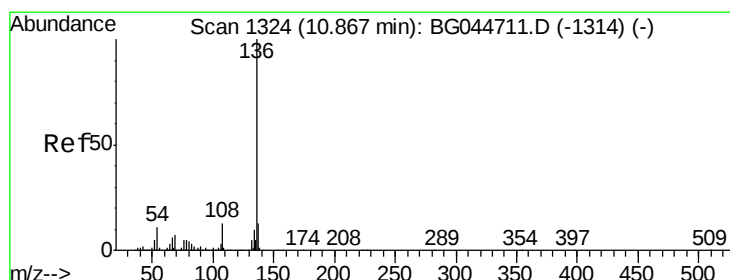
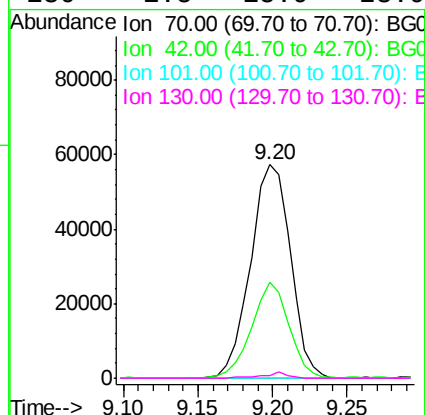
Ion Ratio Lower Upper

70 100

42 44.7 45.7 68.5#

101 0.0 7.4 11.2#

130 1.5 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

Tgt Ion: 136 Resp: 356499

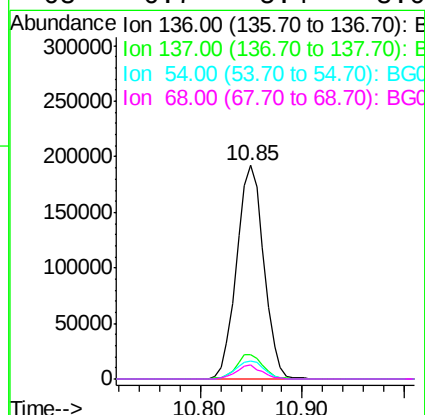
Ion Ratio Lower Upper

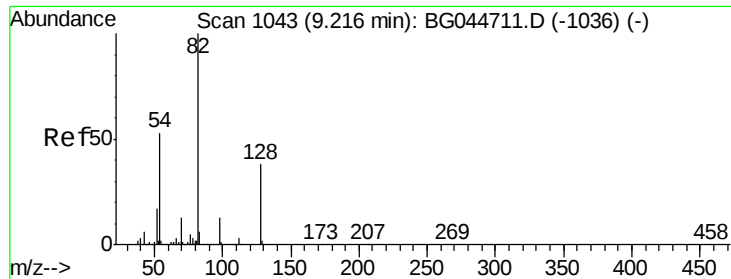
136 100

137 11.3 9.8 14.6

54 8.2 7.9 11.9

68 6.7 5.4 8.0

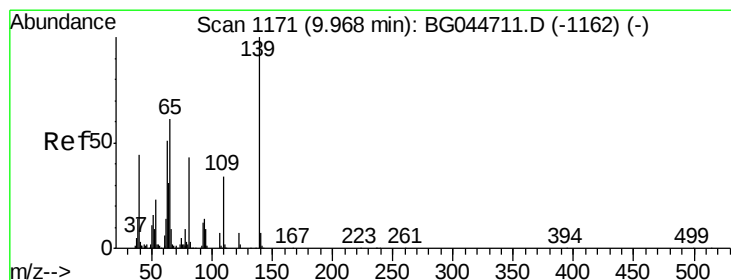
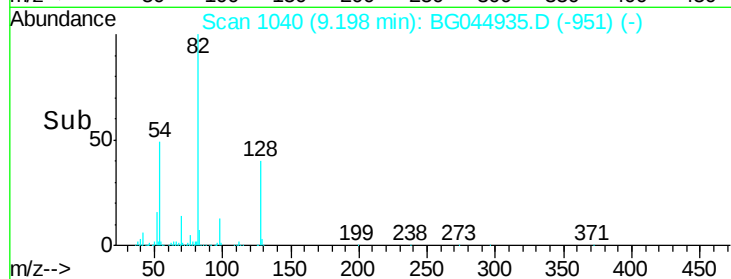
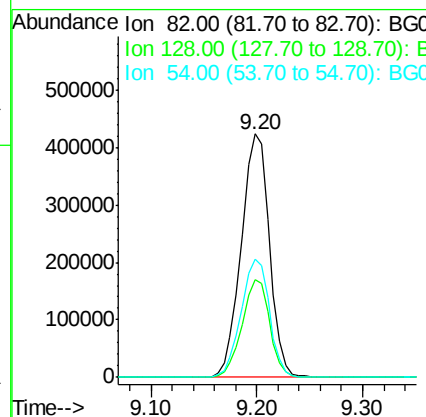
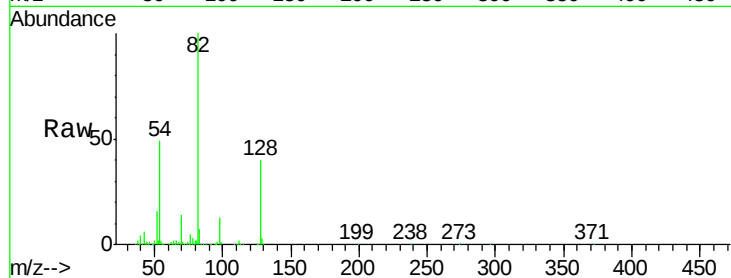




#23
 Nitrobenzene-d5
 Concen: 95.96 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG044935.D
 Acq: 24 Mar 2020 18:08

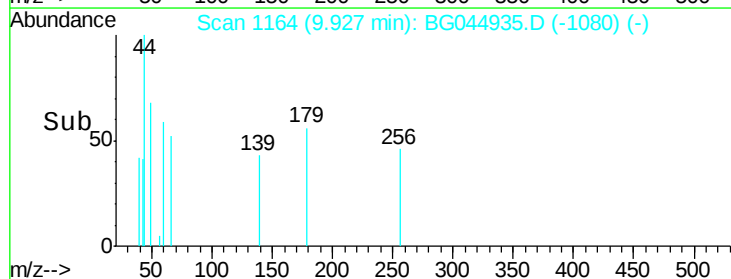
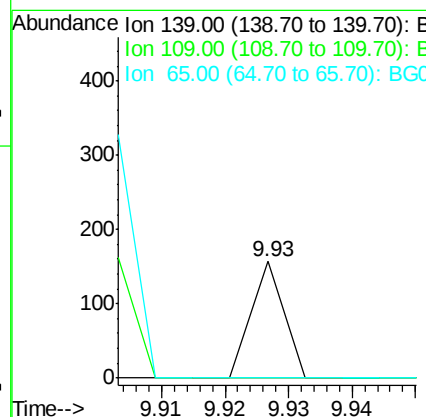
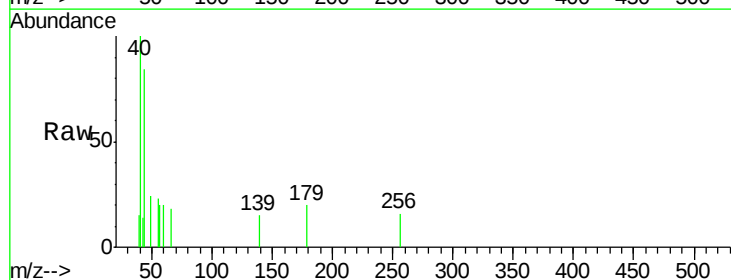
Instrument :
 BNA_G
 ClientSampled :
 MW-B

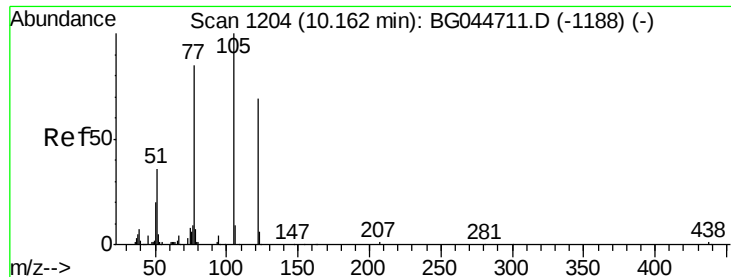
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.9	30.6	46.0
54	48.7	37.1	55.7



#26
 2-Nitrophenol
 Concen: 5.53 ng
 RT: 9.93 min Scan# 1164
 Delta R.T. -0.03 min
 Lab File: BG044935.D
 Acq: 24 Mar 2020 18:08

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

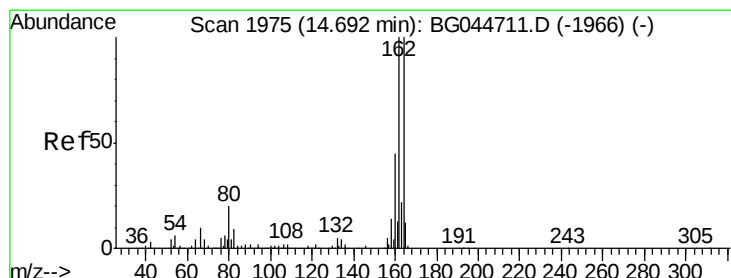
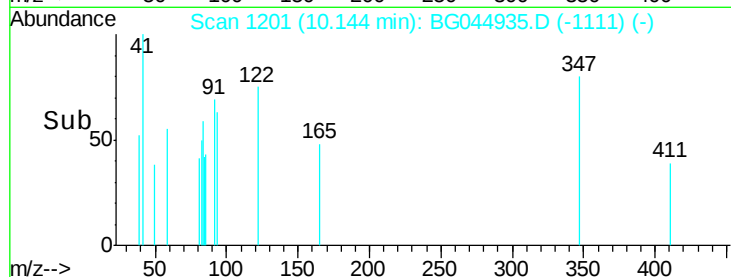
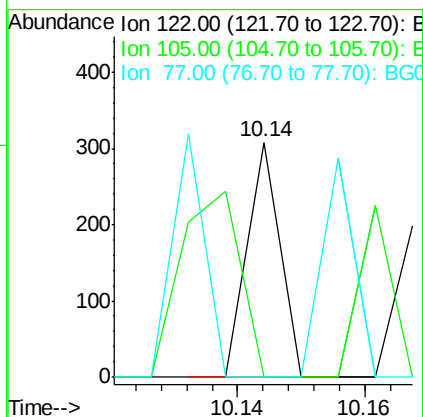
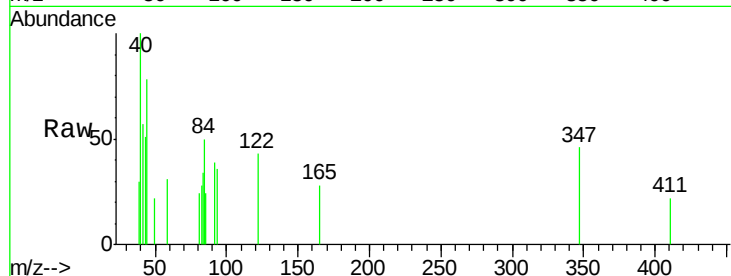




#32
Benzoic acid
Concen: 9.69 ng
RT: 10.14 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

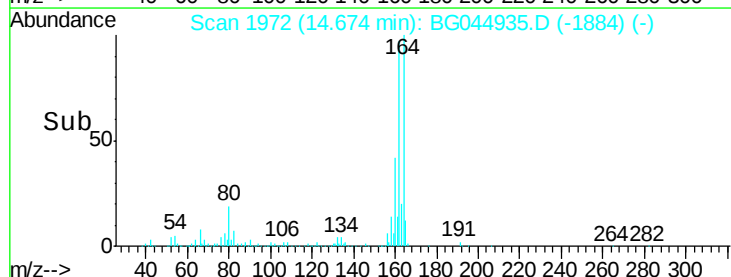
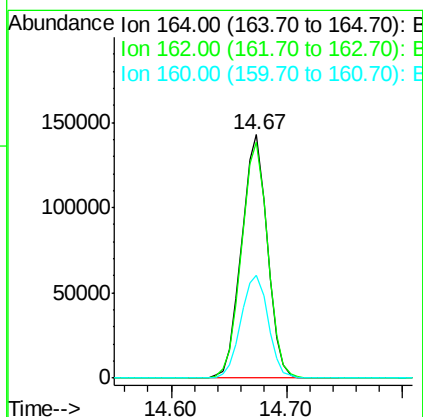
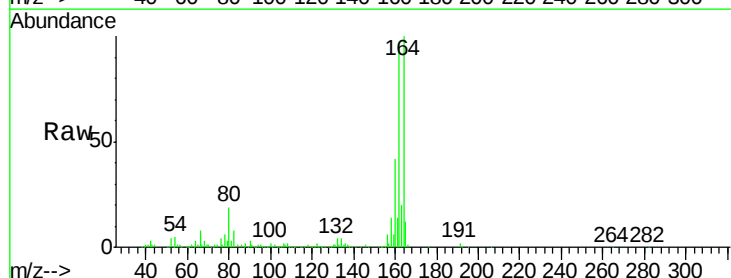
Instrument :
BNA_G
ClientSampleId :
MW-B

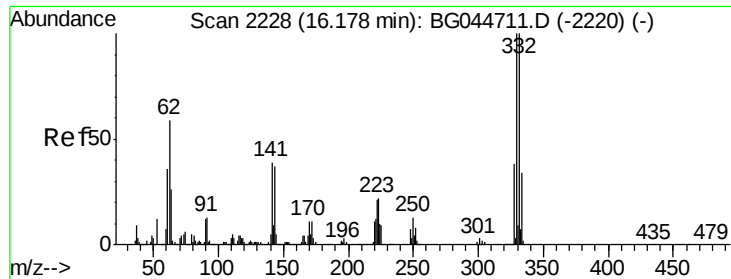
Tgt Ion:122 Resp: 109
Ion Ratio Lower Upper
122 100
105 0.0 109.1 149.1#
77 0.0 85.3 125.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

Tgt Ion:164 Resp: 220984
Ion Ratio Lower Upper
164 100
162 96.9 76.7 115.1
160 42.3 35.0 52.4

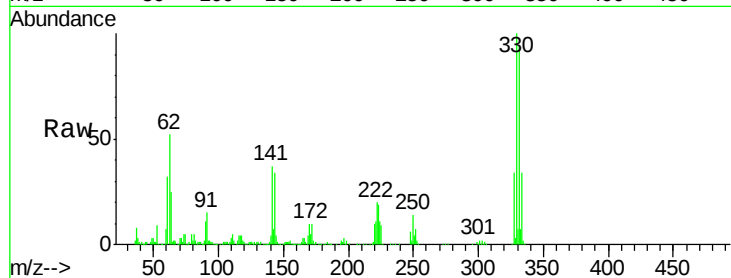




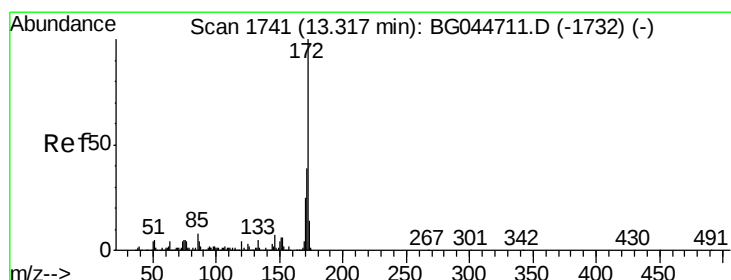
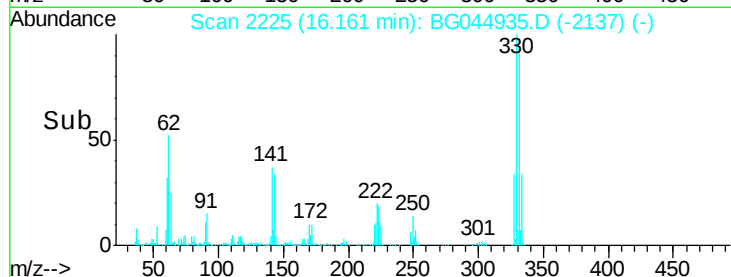
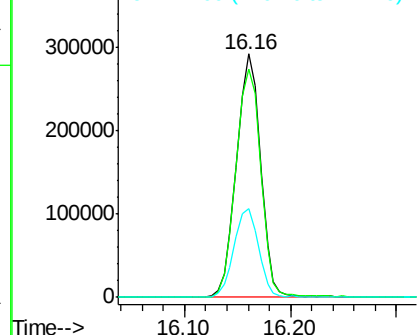
#42
 2,4,6-Tribromophenol
 Concen: 159.65 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG044935.D
 Acq: 24 Mar 2020 18:08

Instrument :
 BNA_G
 ClientSampleId :
 MW-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.8	116.6
141	37.4	29.5	44.3

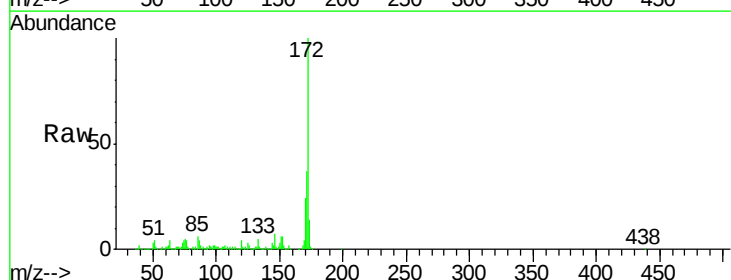


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

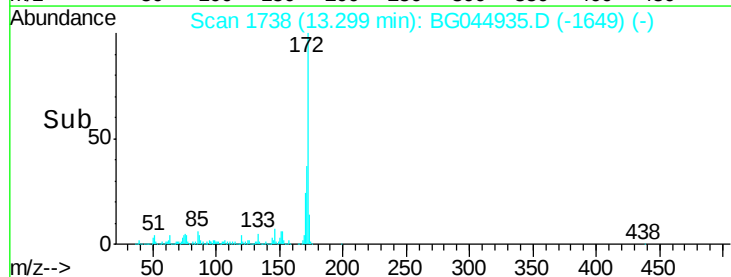
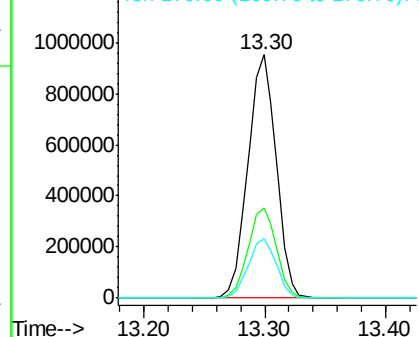


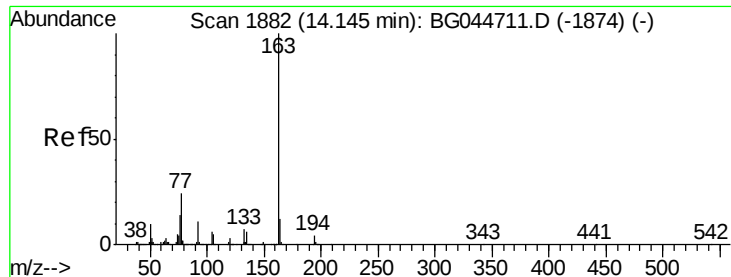
#45
 2-Fluorobiphenyl
 Concen: 101.03 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG044935.D
 Acq: 24 Mar 2020 18:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.7	43.1
170	24.4	19.0	28.6



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

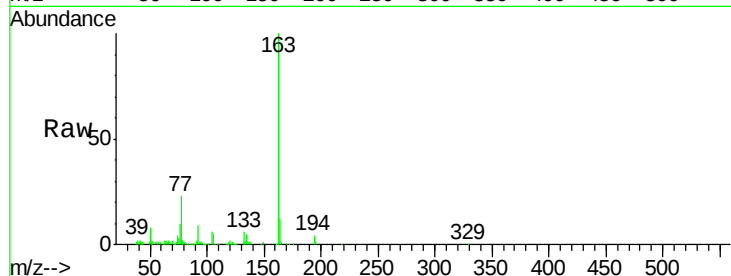




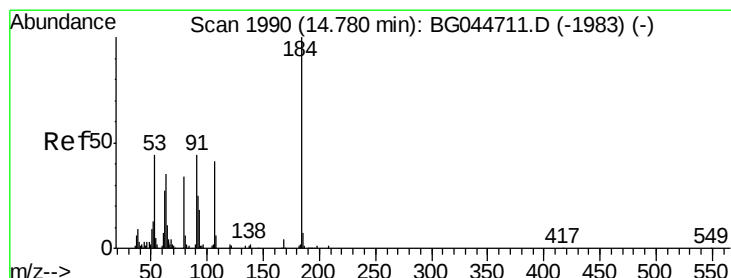
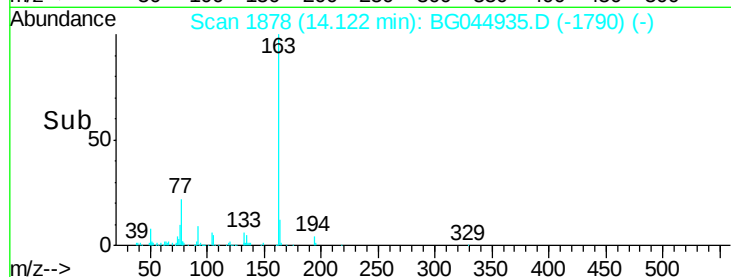
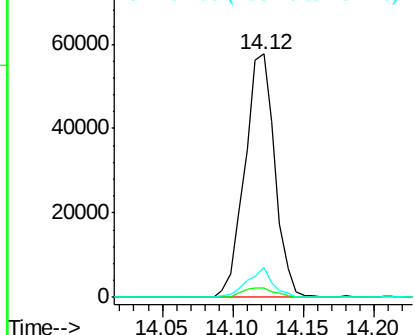
#50
Dimethylphthalate
Concen: 4.89 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

Instrument :
BNA_G
ClientSampleId :
MW-B

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.7	5.5
164	12.3	9.1	13.7

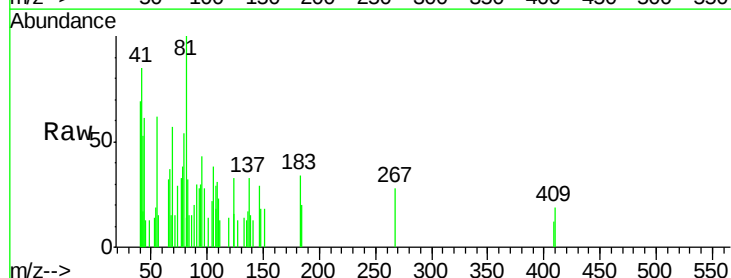


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

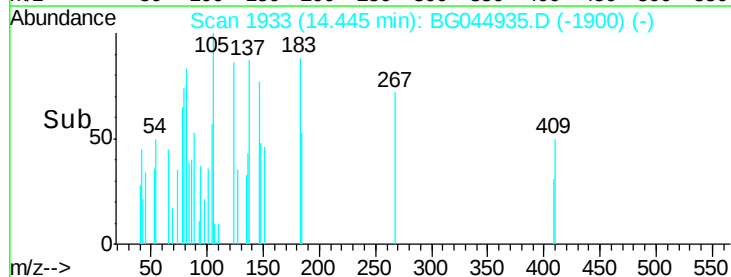
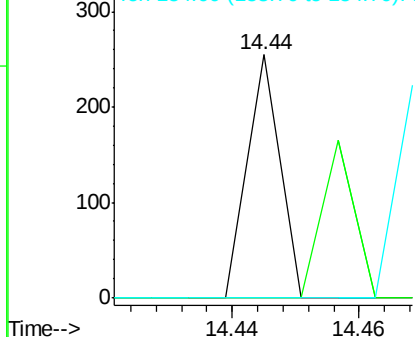


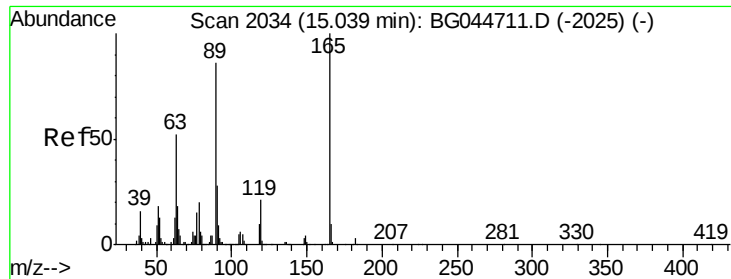
#54
2,4-Dinitrophenol
Concen: 8.37 ng
RT: 14.44 min Scan# 1933
Delta R.T. -0.33 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	45.5	68.3#
154	0.0	49.1	73.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

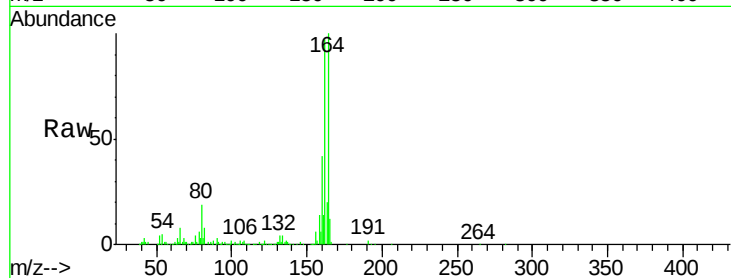




#57
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

Instrument :
BNA_G
ClientSampleId :
MW-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.6	52.0#
89	1.1	61.3	91.9#
182	0.0	2.2	3.2#

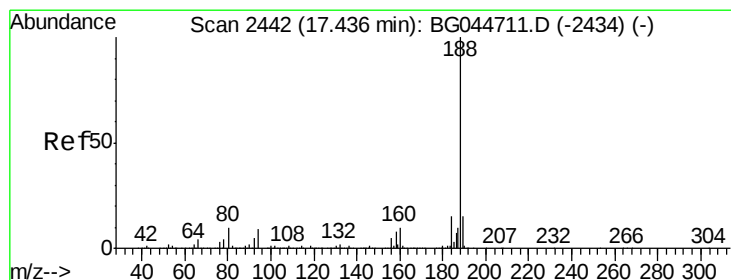
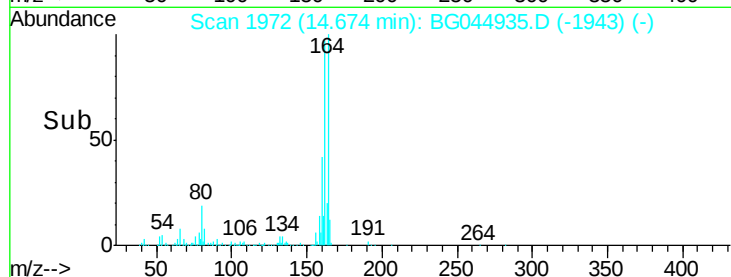
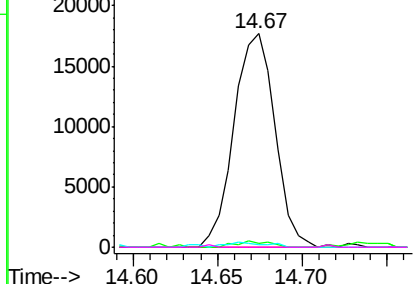


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

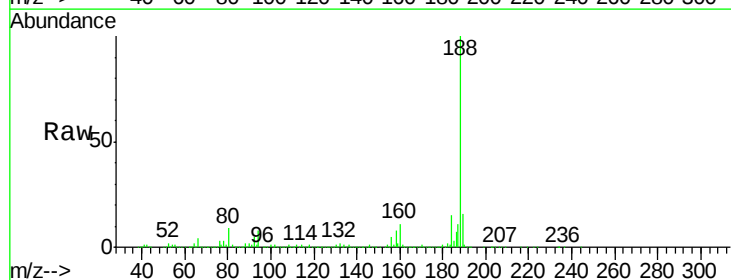
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

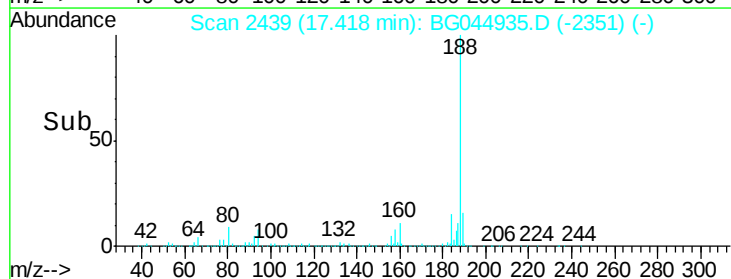
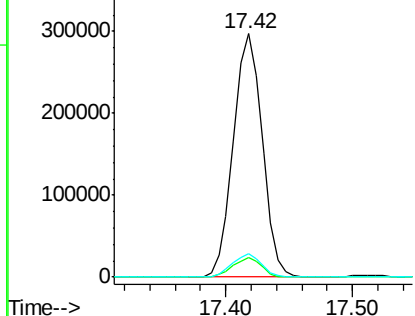
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.3	10.9
80	9.4	8.0	12.0

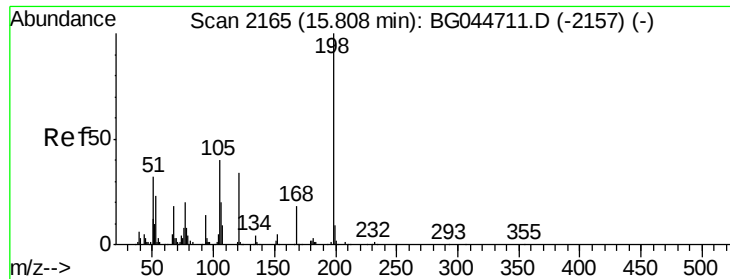


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.75 ng

RT: 15.81 min Scan# 2166

Delta R.T. 0.02 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

Instrument :

BNA_G

ClientSampleId :

MW-B

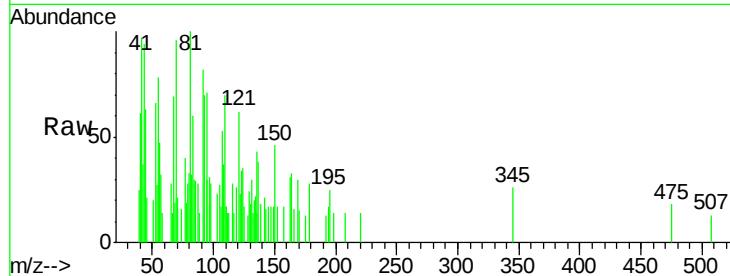
Tgt Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 147.4 21.1 61.1#

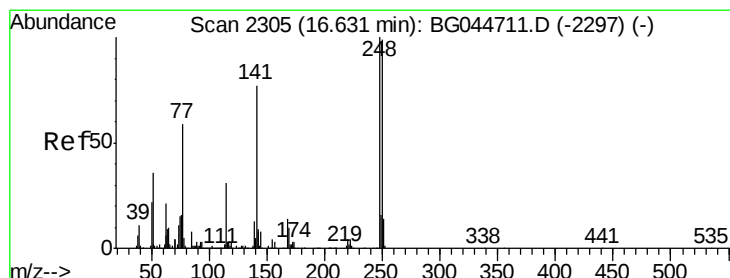
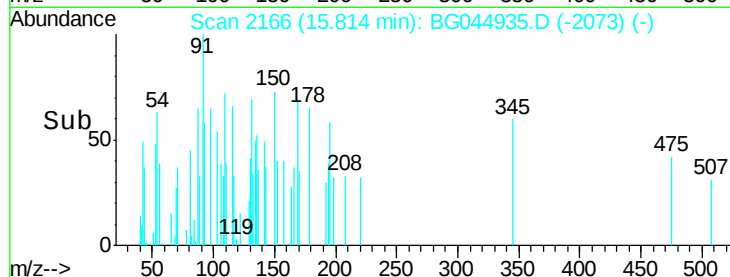
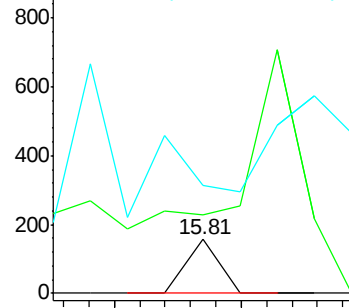
105 200.6 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG044711.D (-2157) (-)

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.39 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

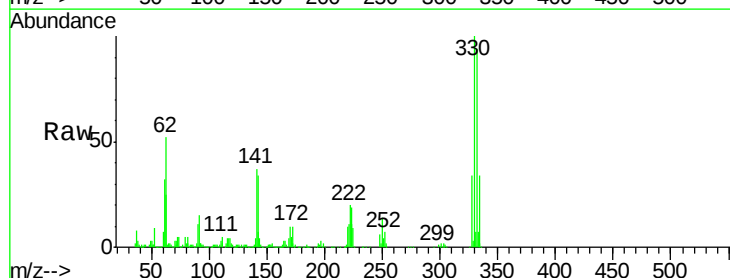
Tgt Ion:248 Resp: 31602

Ion Ratio Lower Upper

248 100

250 209.8 77.9 116.9#

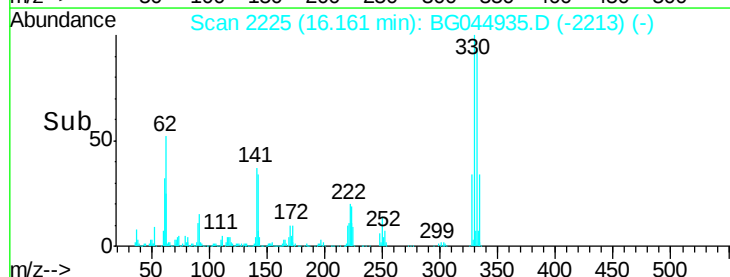
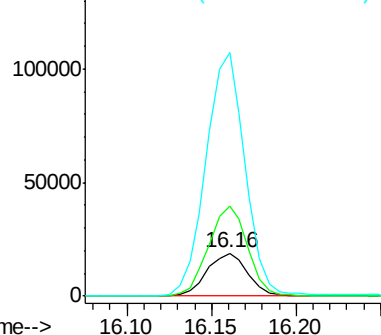
141 568.1 57.5 86.3#

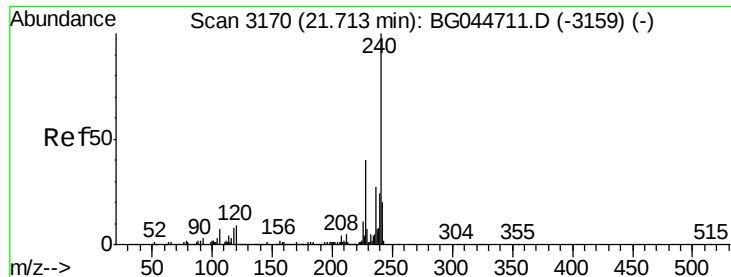


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

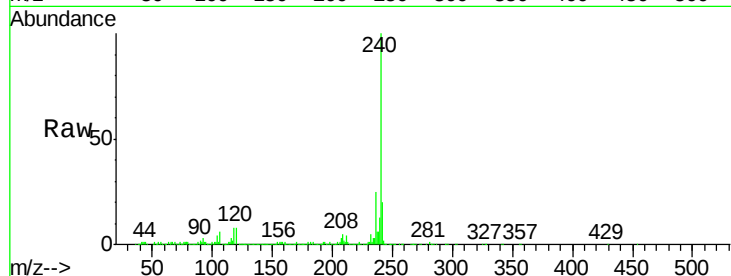




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

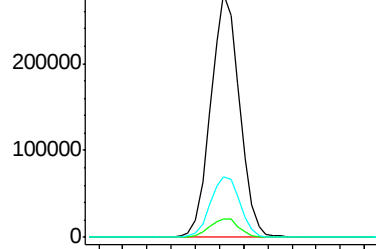
Instrument :
BNA_G
ClientSampleId :
MW-B

Tgt Ion:240 Resp: 464938
Ion Ratio Lower Upper
240 100
120 7.6 6.7 10.1
236 25.1 21.5 32.3

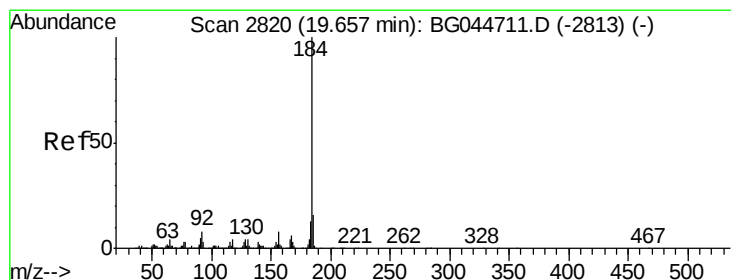
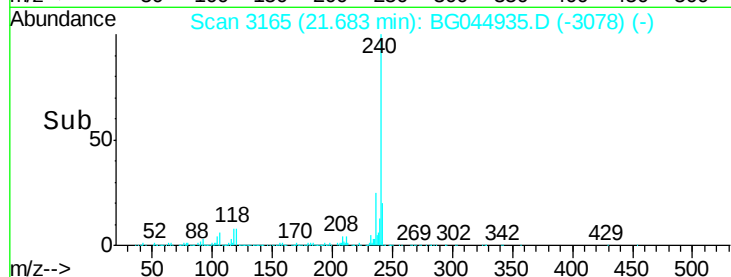


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

21.68

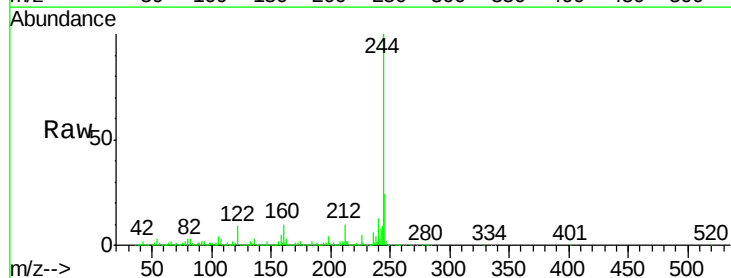


Time-->



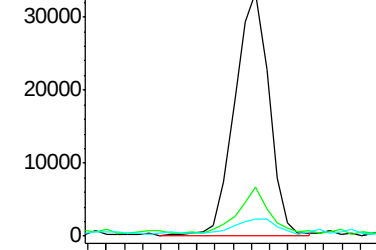
#77
Benzidine
Concen: 2.92 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044935.D
Acq: 24 Mar 2020 18:08

Tgt Ion:184 Resp: 44129
Ion Ratio Lower Upper
184 100
185 20.3 12.2 18.4#
183 7.1 10.7 16.1#

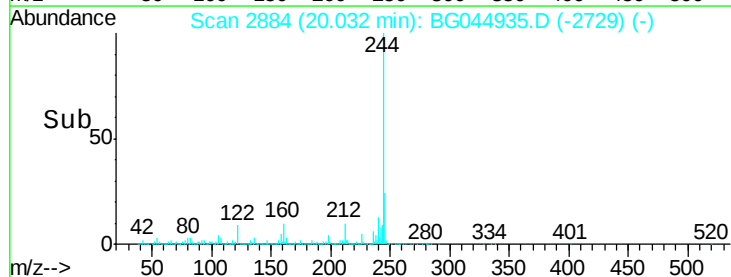


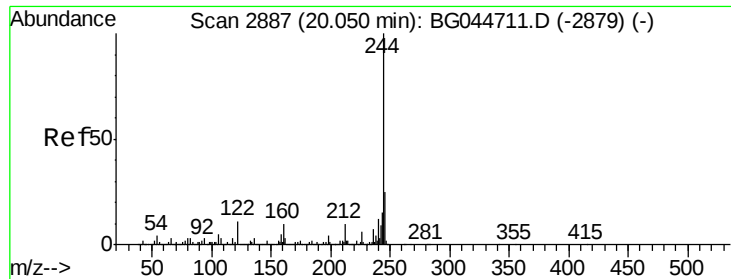
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

20.03



Time-->





#79

Terphenyl-d14

Concen: 83.27 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

Instrument :

BNA_G

ClientSampleId :

MW-B

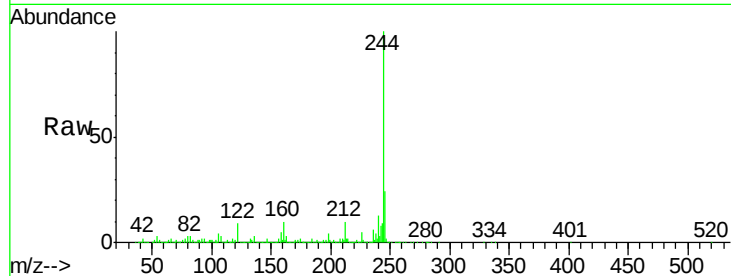
Tgt Ion:244 Resp: 2069717

Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

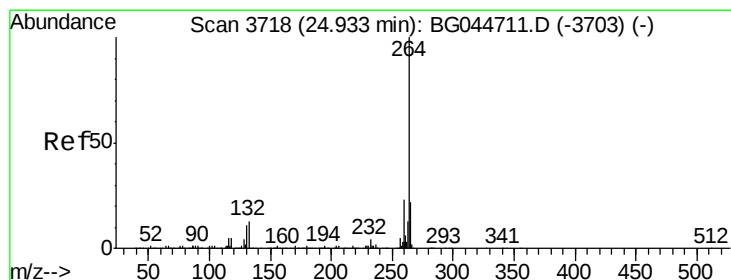
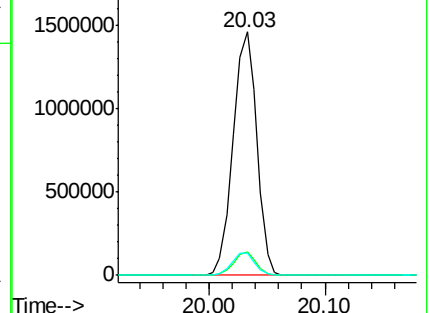
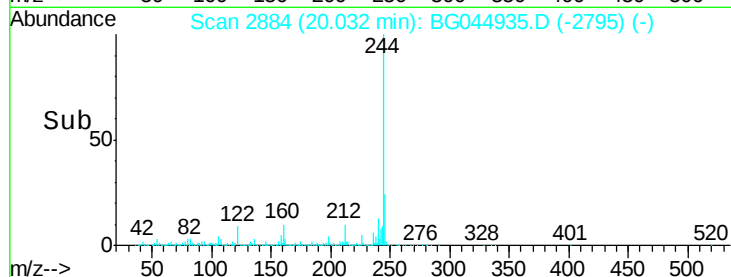
122 9.3 8.6 12.8



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044935.D

Acq: 24 Mar 2020 18:08

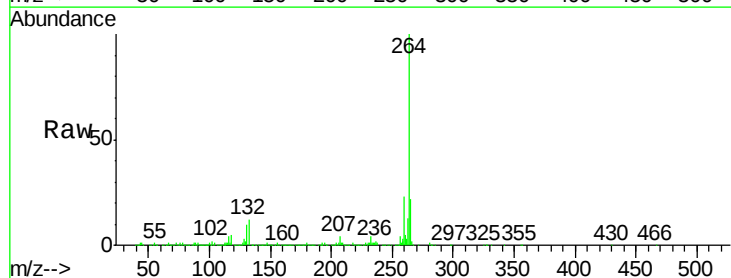
Tgt Ion:264 Resp: 513648

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 22.0 17.1 25.7



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

