

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087935.D
 Acq On : 12 Jun 2016 8:17
 Operator : UM/SJ
 Sample : H3504-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Jun 13 01:13:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 01:05:20 2016
 Response via : Initial Calibration

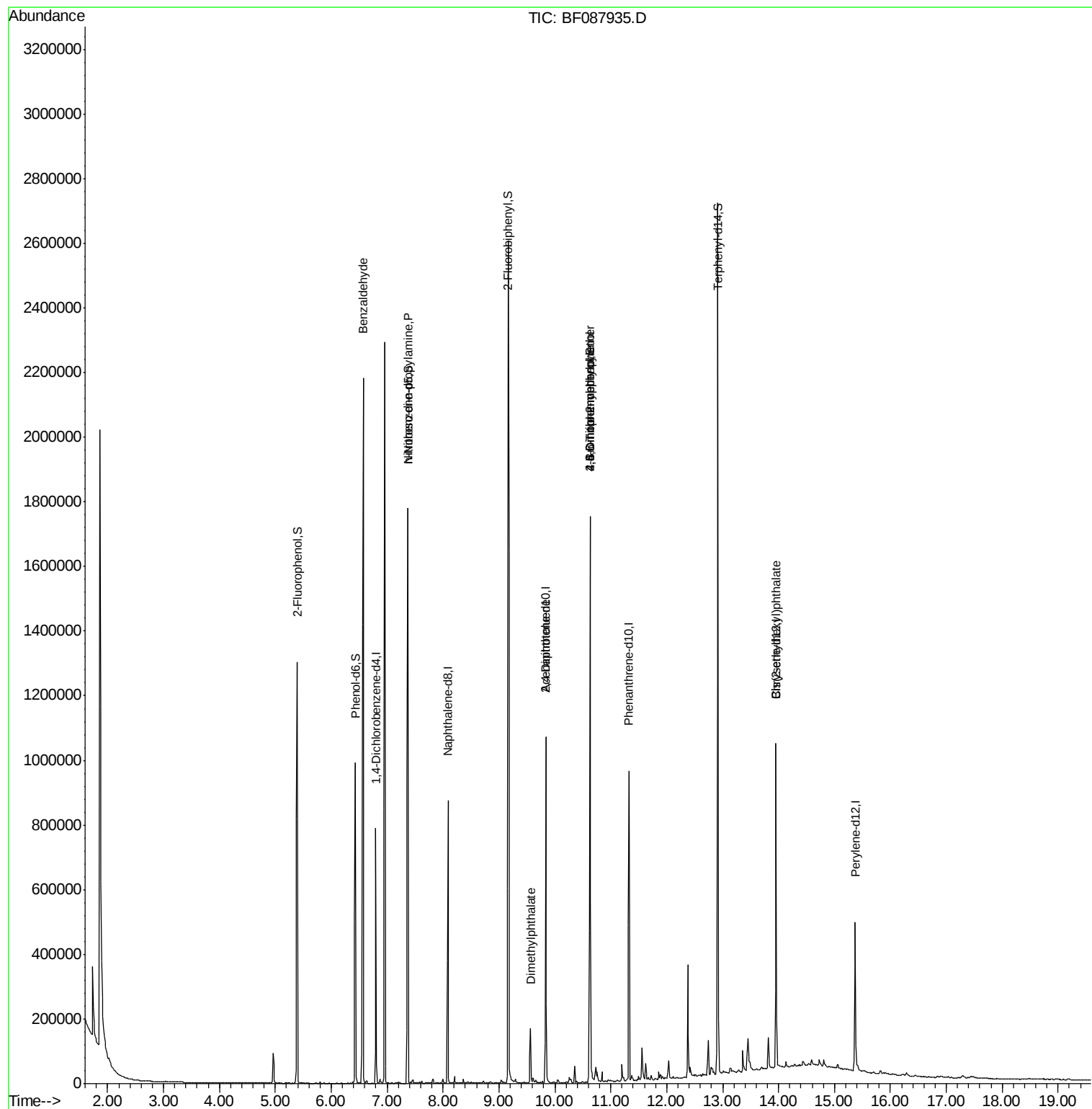
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113493	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	456677	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	216189	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	407750	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	305040	20.00	ng	-0.03
86) Perylene-d12	15.37	264	237154	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	471618	71.04	ng	-0.03
7) Phenol-d6	6.43	99	415818	51.68	ng	-0.05
23) Nitrobenzene-d5	7.37	82	699004	89.38	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	264316	115.79	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1221400	89.01	ng	-0.05
78) Terphenyl-d14	12.91	244	924399	68.96	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.57	77	16515	2.88	ng	# 77
10) Phenol	6.44	94	2416	Below	Cal	# 91
19) n-Nitroso-di-n-propylamine	7.37	70	92756	18.02	ng	# 71
45) 1,1'-Biphenyl	9.16	154	2282	Below	Cal	# 1
49) Dimethylphthalate	9.56	163	86843	5.55	ng	# 99
56) 2,4-Dinitrotoluene	9.84	165	27464	5.96	ng	# 38
57) Fluorene	10.63	166	11857	Below	Cal	# 87
64) 4,6-Dinitro-2-methylphenol	10.63	198	416	2.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15850	3.62	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.95	149	41755	3.43	ng	# 95

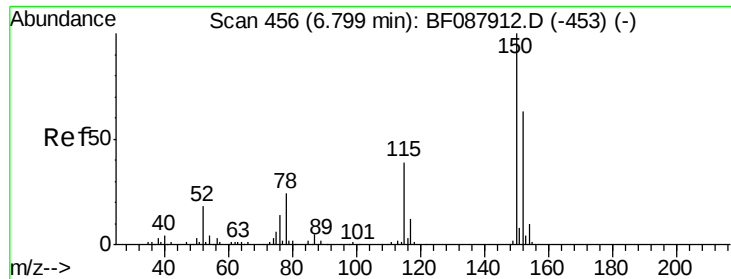
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampleId :

MW-3

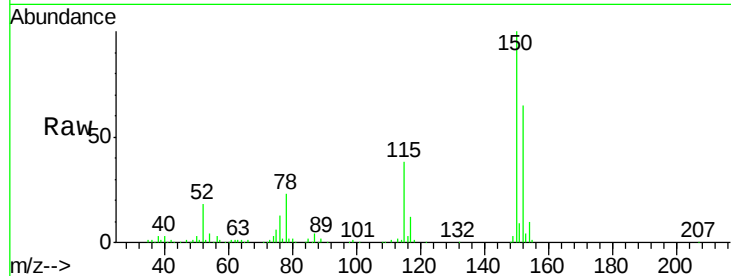
Tgt Ion:152 Resp: 113493

Ion Ratio Lower Upper

152 100

150 153.2 123.8 185.6

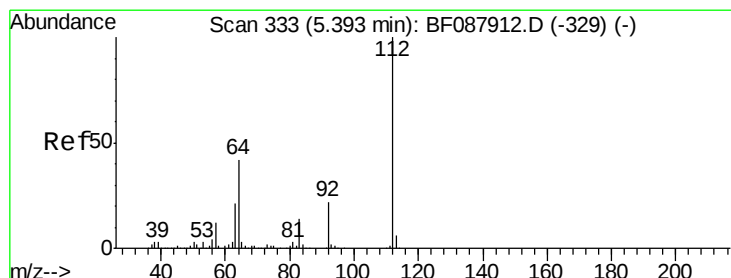
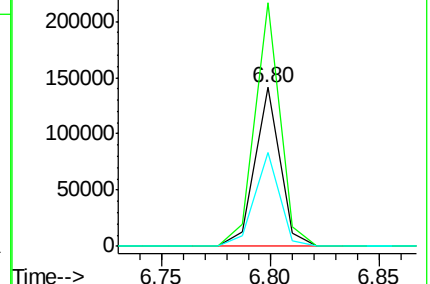
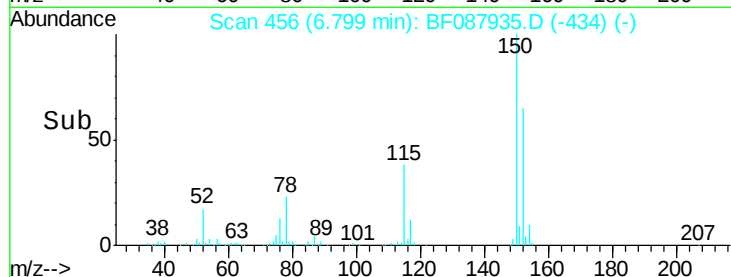
115 59.0 39.6 59.4



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: 71.04 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

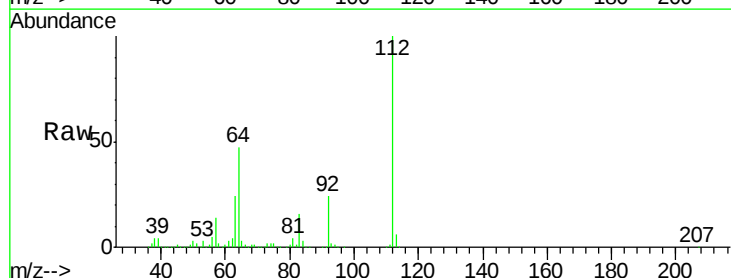
Tgt Ion:112 Resp: 471618

Ion Ratio Lower Upper

112 100

64 47.4 42.2 63.2

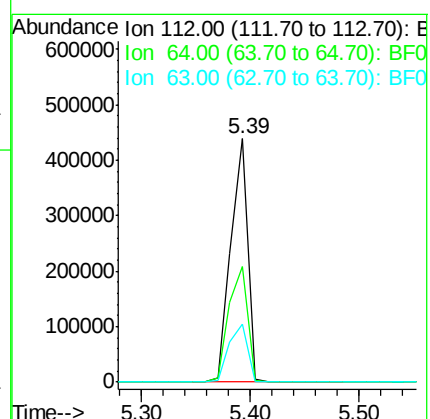
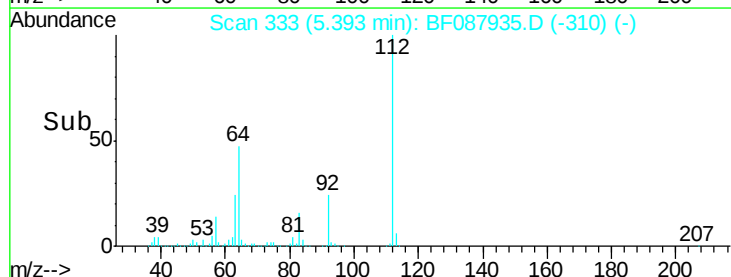
63 24.1 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 51.68 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampled :

MW-3

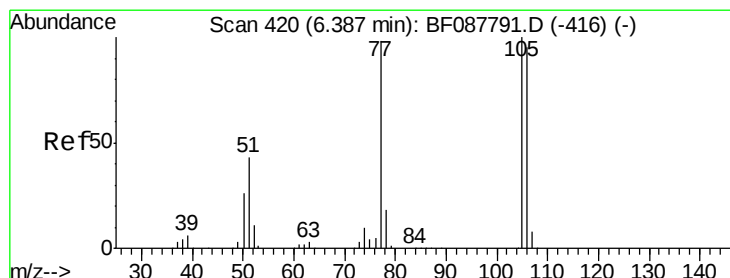
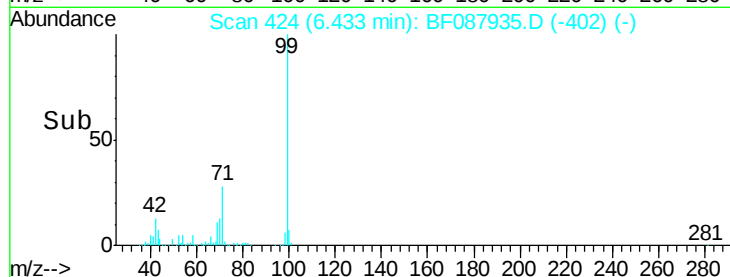
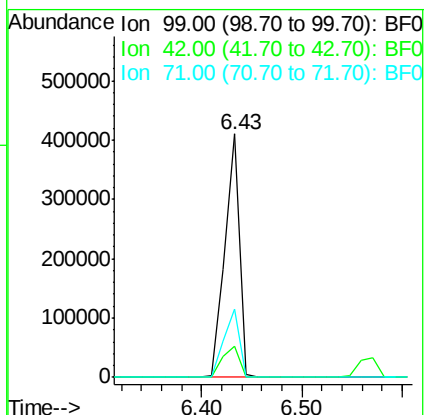
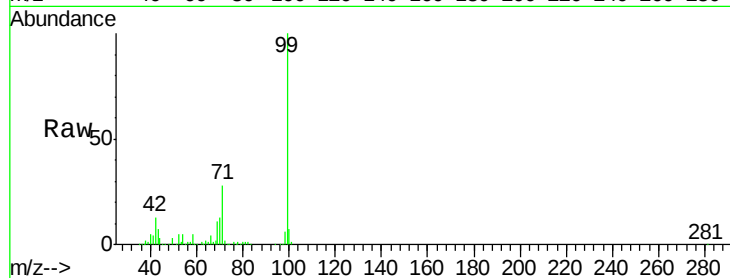
Tgt Ion: 99 Resp: 415818

Ion Ratio Lower Upper

99 100

42 12.8 12.2 18.2

71 28.2 23.4 35.0



#9

Benzaldehyde

Concen: 2.88 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

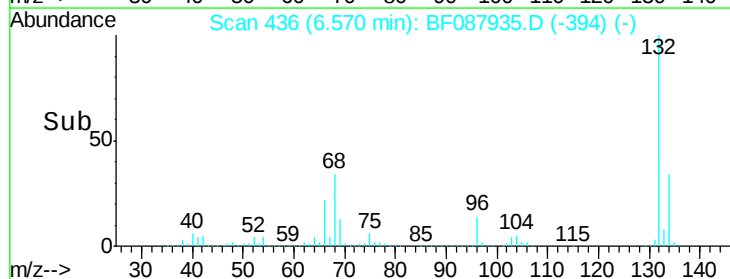
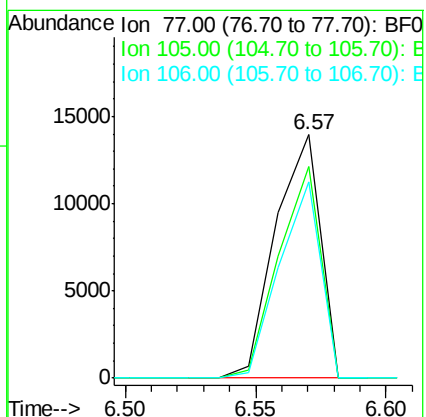
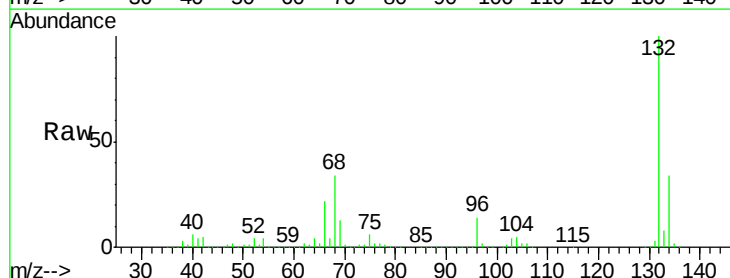
Tgt Ion: 77 Resp: 16515

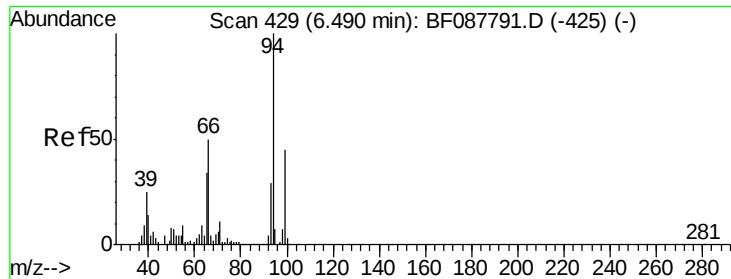
Ion Ratio Lower Upper

77 100

105 87.0 90.6 130.6#

106 80.5 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampleId :

MW-3

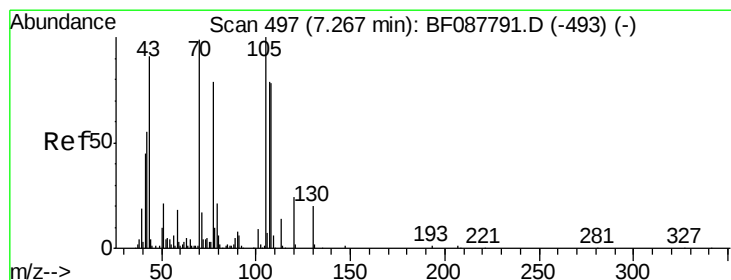
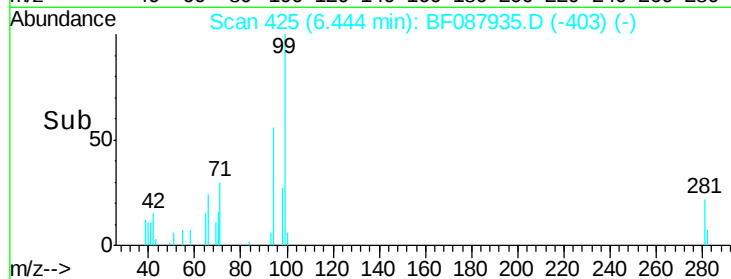
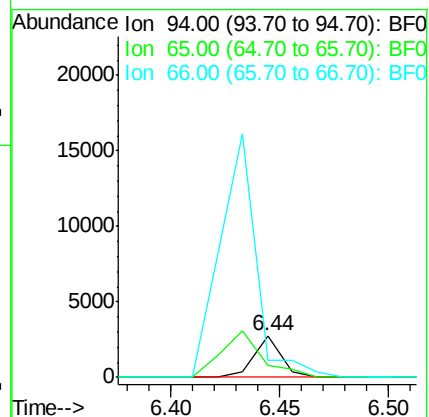
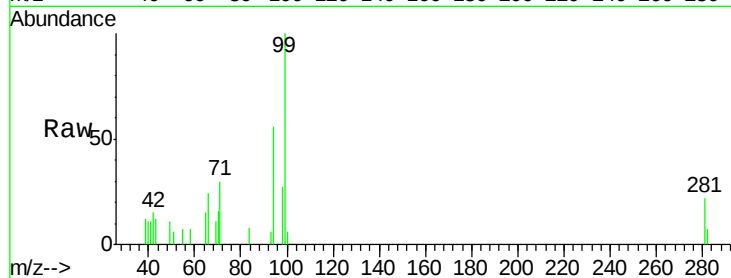
Tgt Ion: 94 Resp: 2416

Ion Ratio Lower Upper

94 100

65 27.4 5.9 45.9

66 42.1 14.0 54.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.02 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Tgt Ion: 70 Resp: 92756

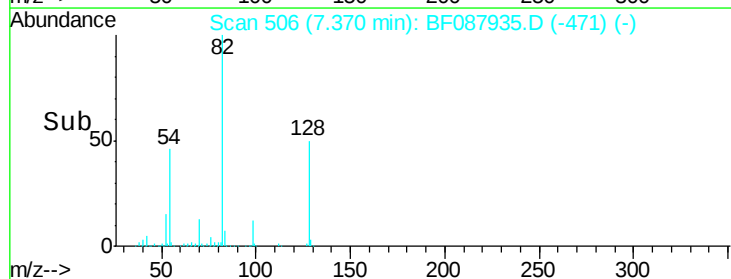
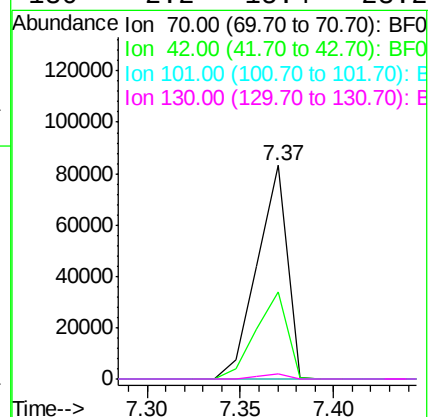
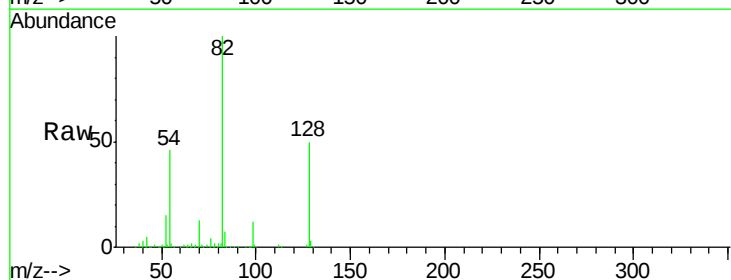
Ion Ratio Lower Upper

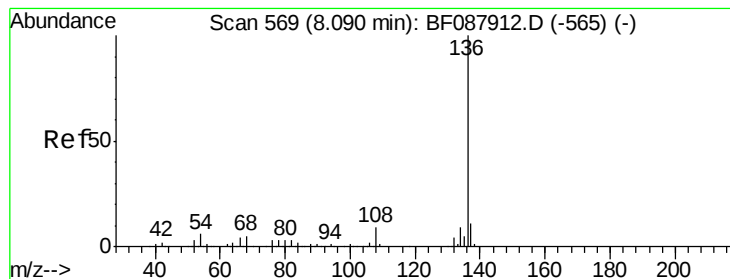
70 100

42 40.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampleId :

MW-3

Tgt Ion:136 Resp: 456677

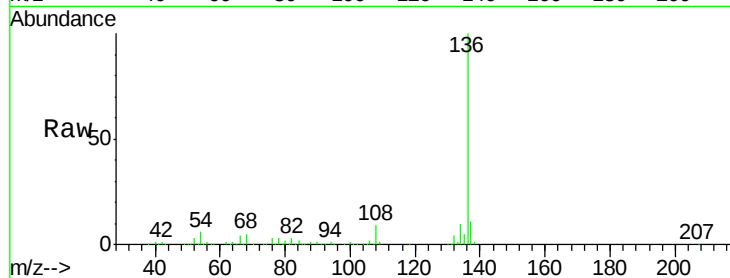
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.5 6.6 10.0#

68 5.0 5.1 7.7#

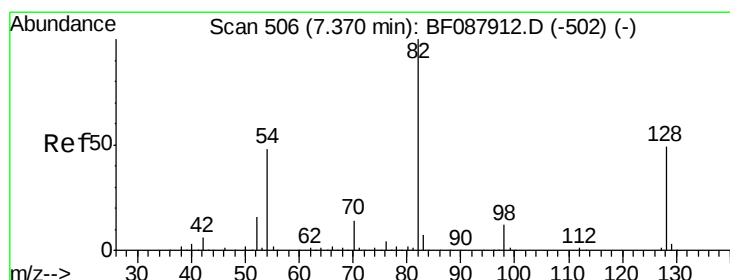
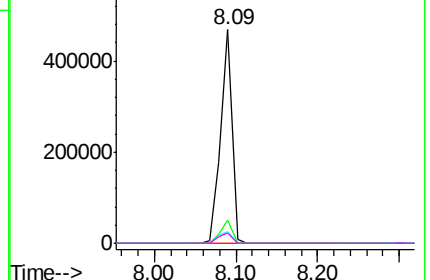
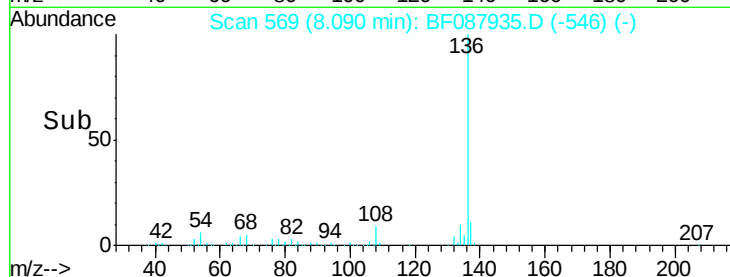


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 89.38 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

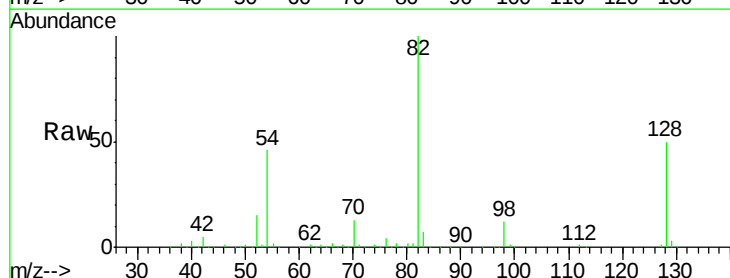
Tgt Ion: 82 Resp: 699004

Ion Ratio Lower Upper

82 100

128 49.8 35.9 53.9

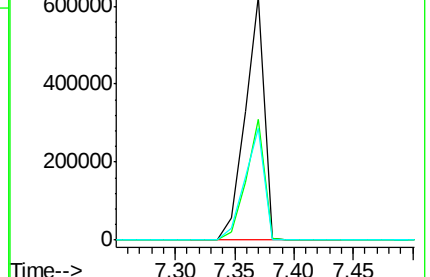
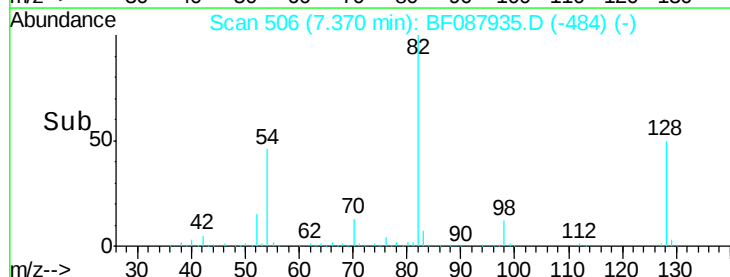
54 45.8 40.9 61.3

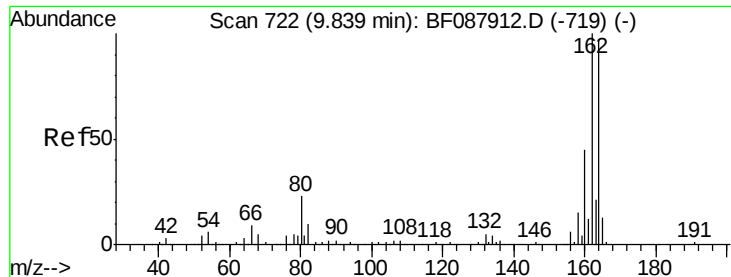


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

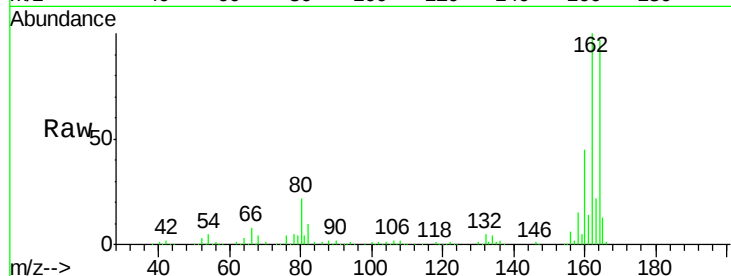




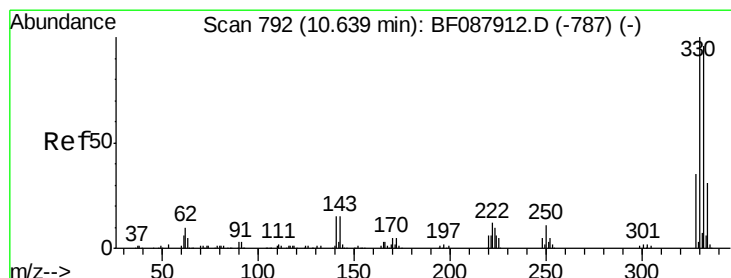
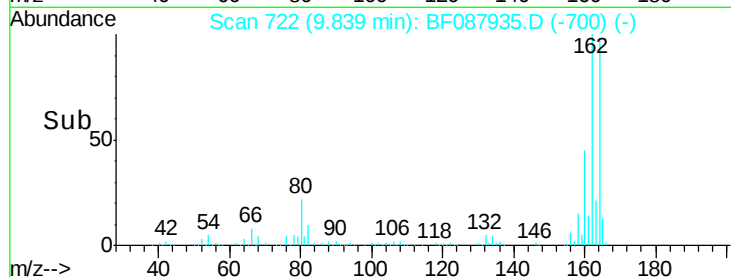
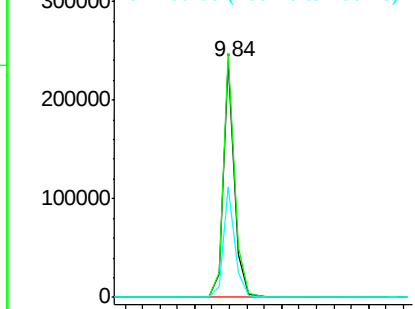
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.05 min
 Lab File: BF087935.D
 Acq: 12 Jun 2016 8:17

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	85.4	128.2
160	46.7	39.5	59.3

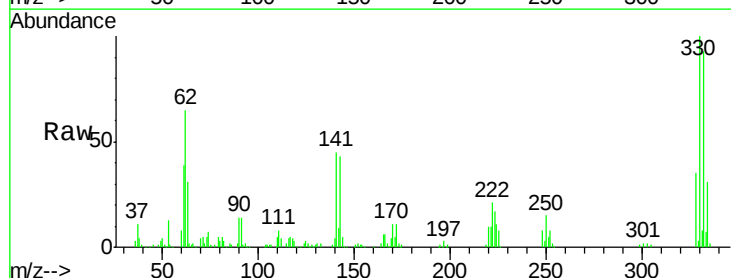


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

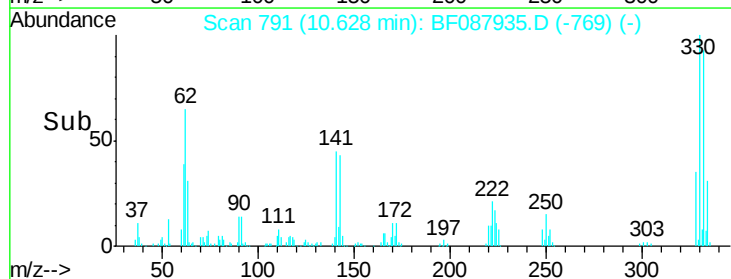
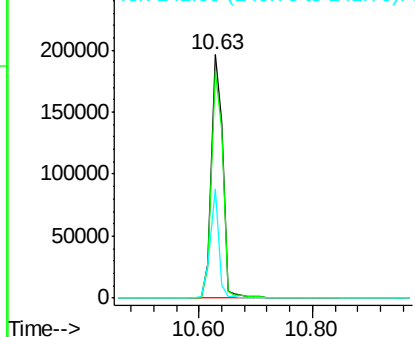


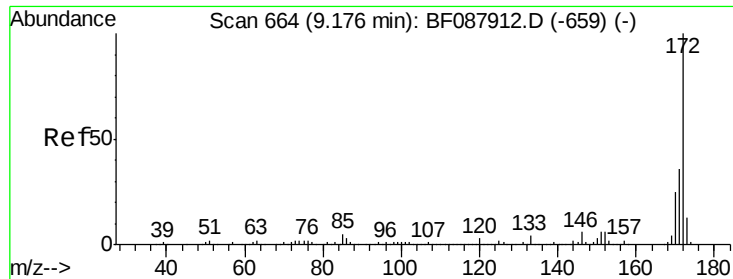
#41
 2,4,6-Tribromophenol
 Concen: 115.79 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087935.D
 Acq: 12 Jun 2016 8:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	0.0	0.0#
141	34.4	0.0	0.0#



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

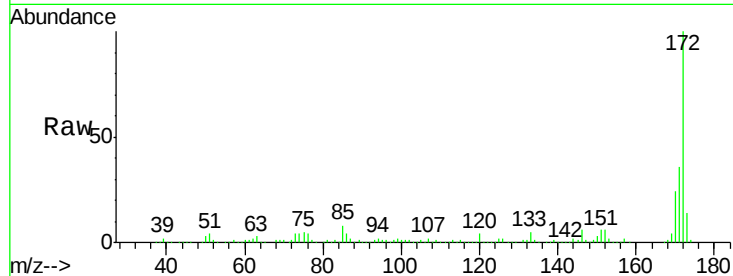




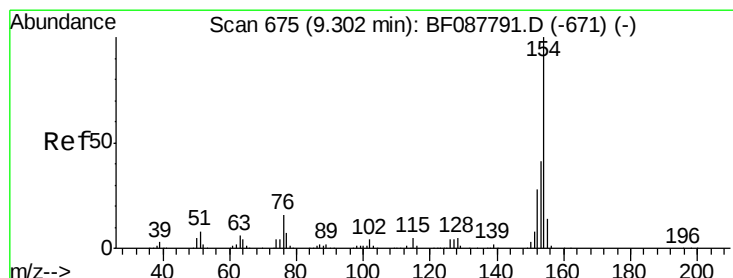
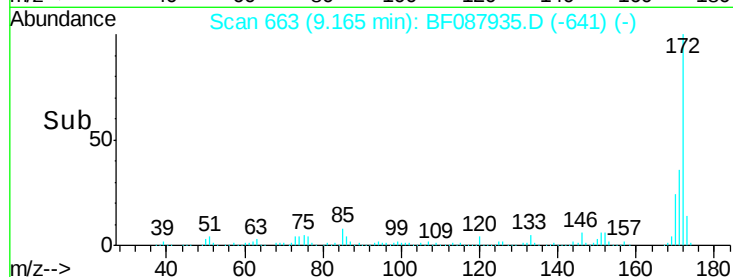
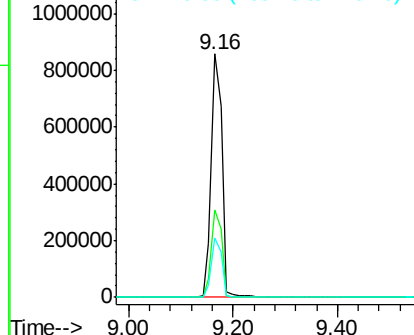
#44
 2-Fluorobiphenyl
 Concen: 89.01 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087935.D
 Acq: 12 Jun 2016 8:17

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Tgt Ion:172 Resp: 1221400
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.1 19.2 28.8

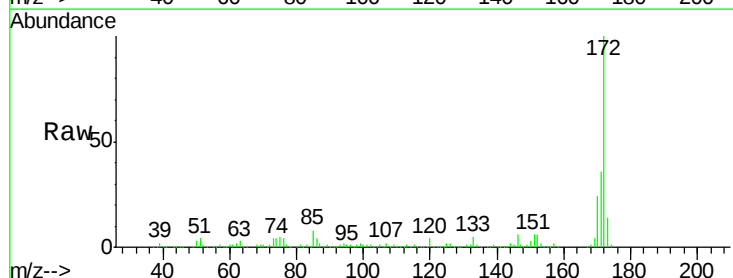


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

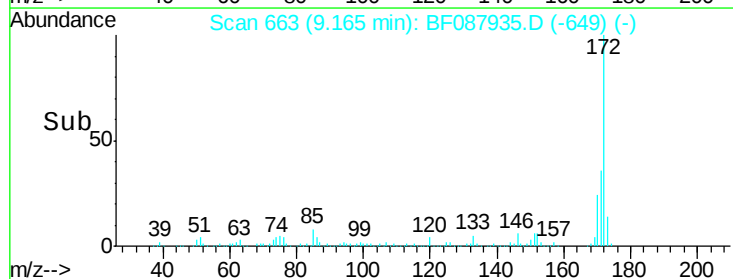
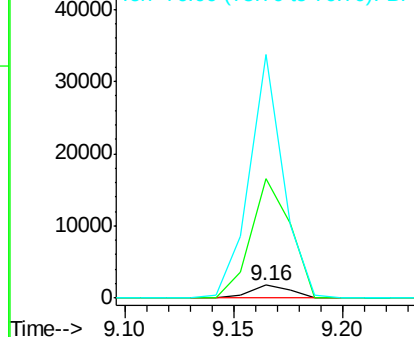


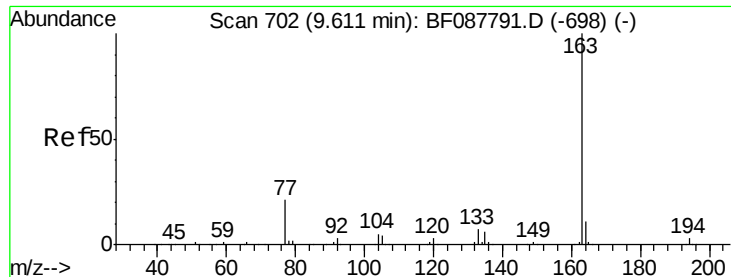
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087935.D
 Acq: 12 Jun 2016 8:17

Tgt Ion:154 Resp: 2282
 Ion Ratio Lower Upper
 154 100
 153 908.3 20.6 60.6#
 76 1854.8 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

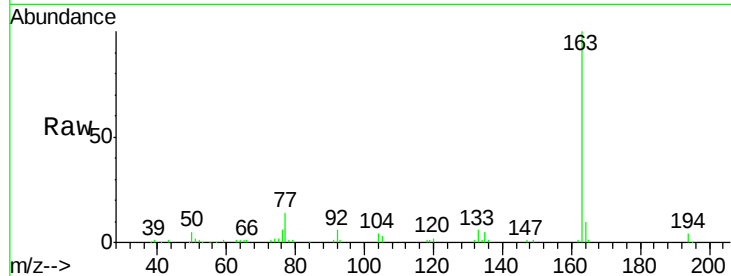




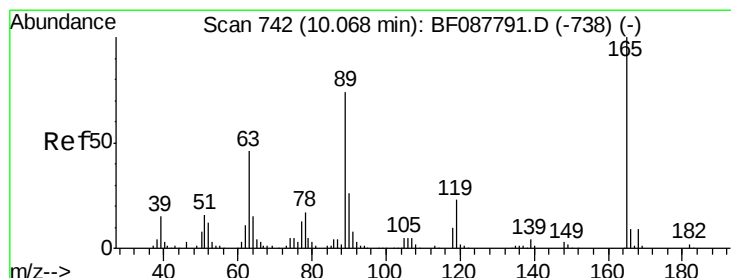
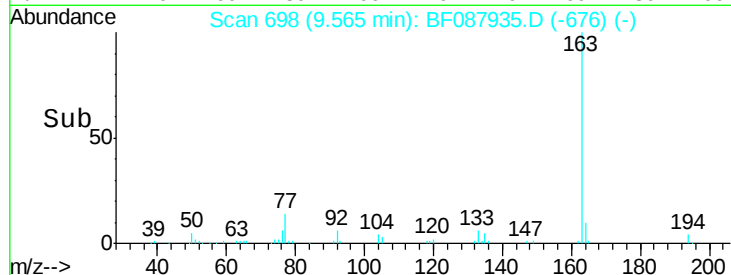
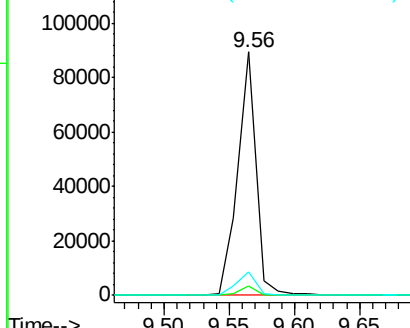
#49
Dimethylphthalate
Concen: 5.55 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087935.D
Acq: 12 Jun 2016 8:17

Instrument :
BNA_F
ClientSampleId :
MW-3

Tgt Ion:163 Resp: 86843
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.8 8.3 12.5

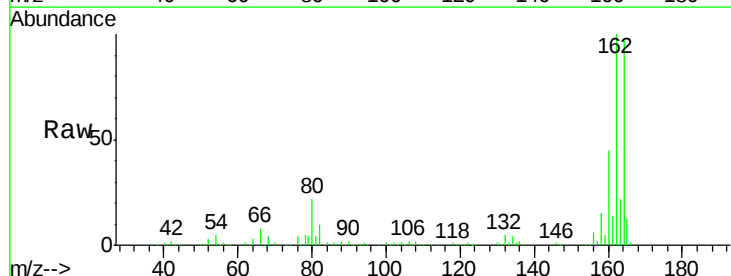


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

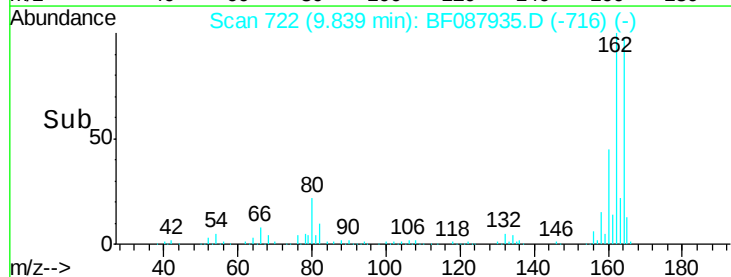
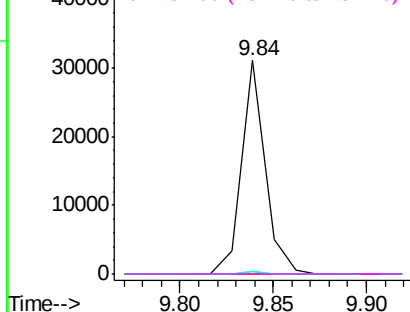


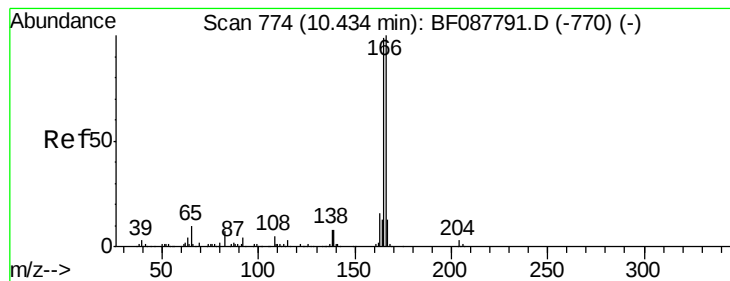
#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087935.D
Acq: 12 Jun 2016 8:17

Tgt Ion:165 Resp: 27464
Ion Ratio Lower Upper
165 100
63 1.1 22.0 33.0#
89 1.5 41.1 61.7#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampleId :

MW-3

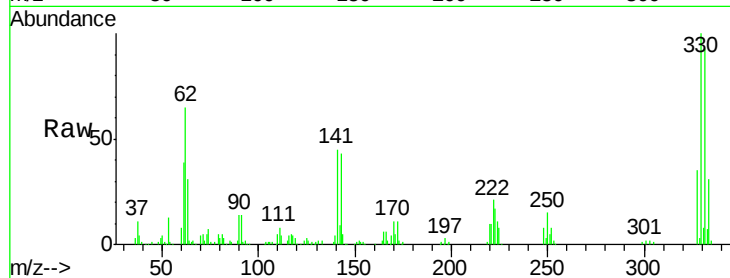
Tgt Ion:166 Resp: 11857

Ion Ratio Lower Upper

166 100

165 104.3 77.8 116.8

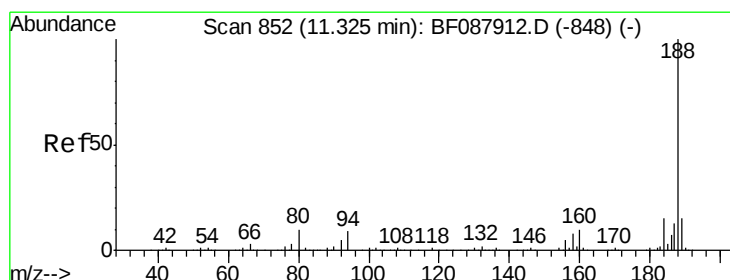
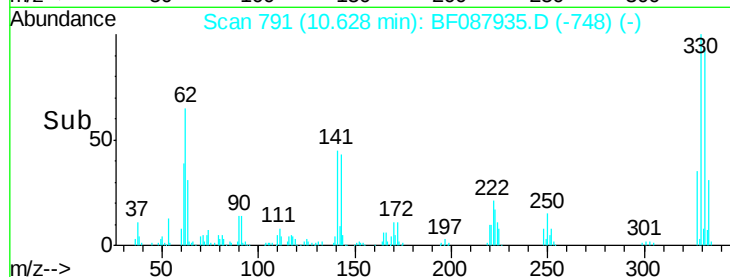
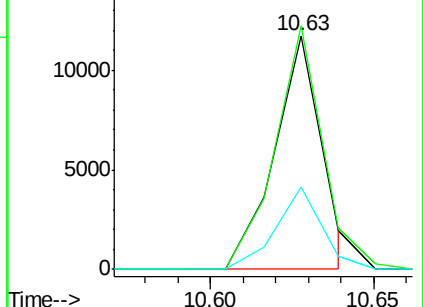
167 35.1 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

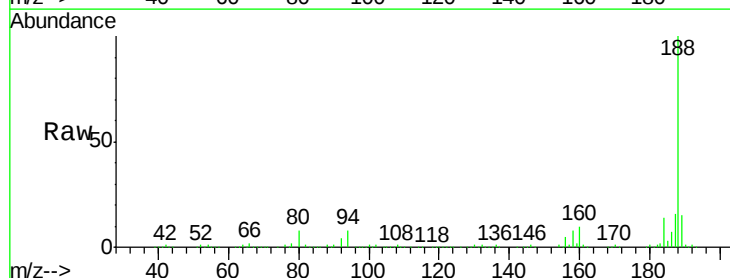
Tgt Ion:188 Resp: 407750

Ion Ratio Lower Upper

188 100

94 7.9 9.0 13.6#

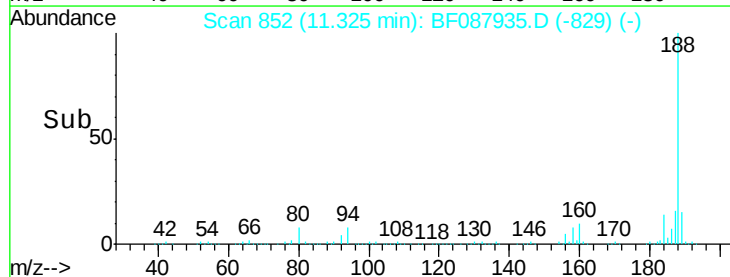
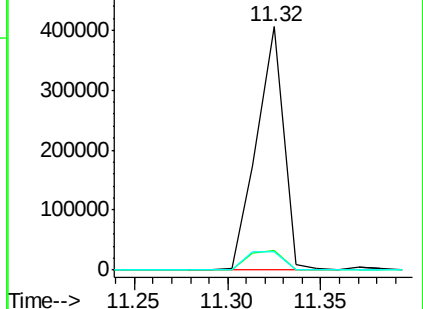
80 7.7 10.0 15.0#

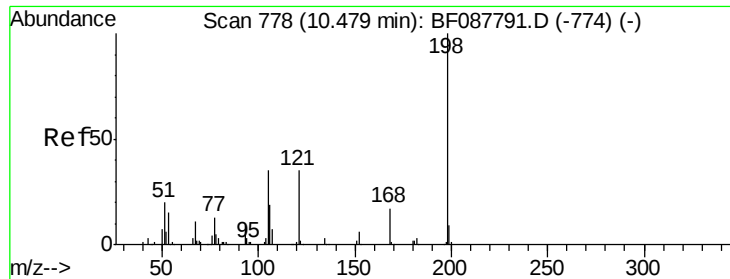


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.32 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampled :

MW-3

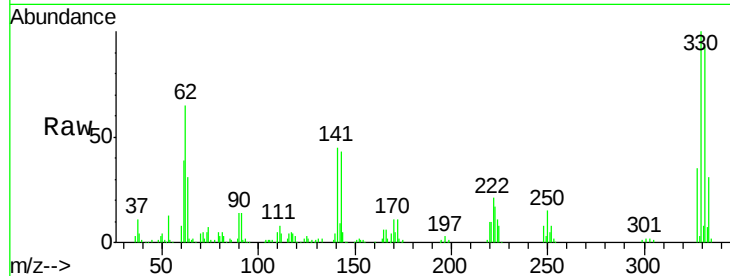
Tgt Ion:198 Resp: 416

Ion Ratio Lower Upper

198 100

51 170.3 39.6 79.6#

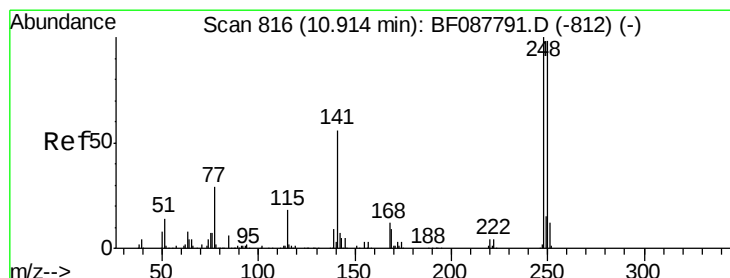
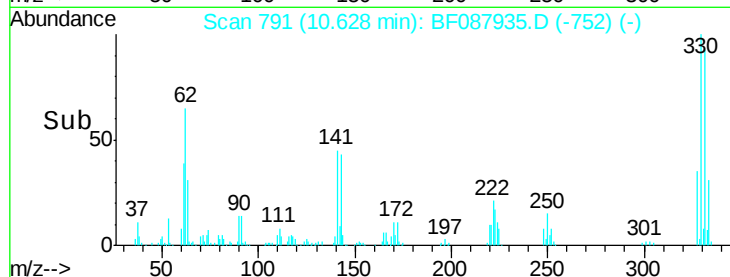
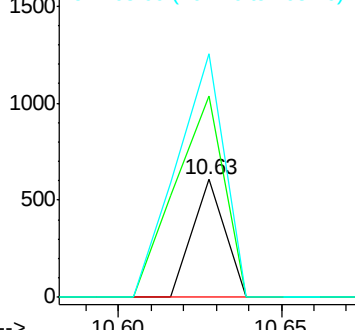
105 206.6 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.62 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

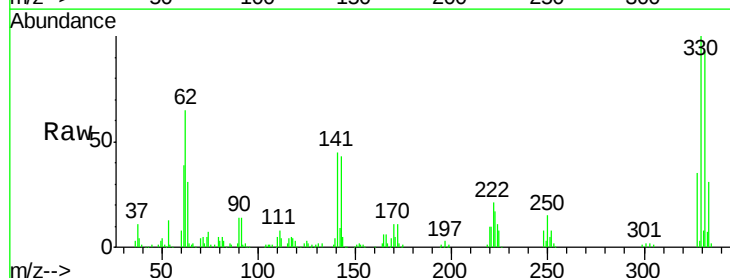
Tgt Ion:248 Resp: 15850

Ion Ratio Lower Upper

248 100

250 191.7 77.1 115.7#

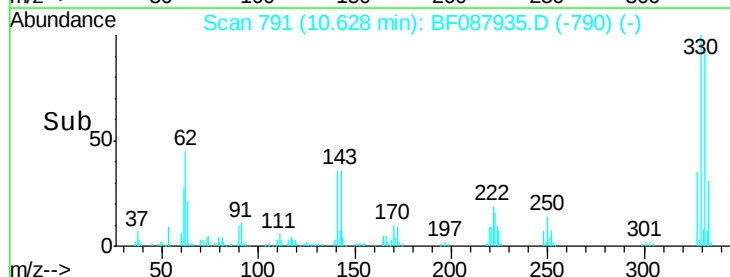
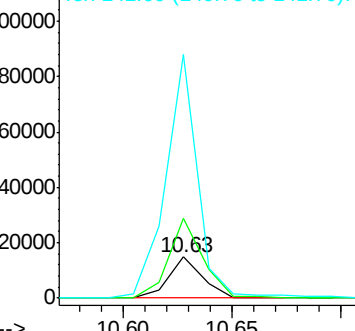
141 588.9 50.6 76.0#

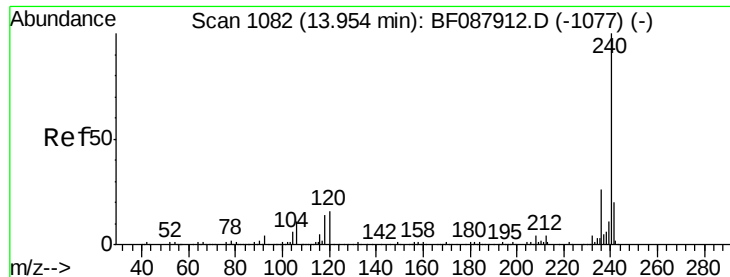


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampleId :

MW-3

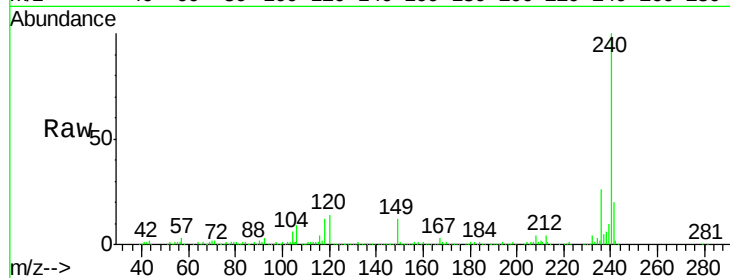
Tgt Ion:240 Resp: 305040

Ion Ratio Lower Upper

240 100

120 13.7 6.8 10.2#

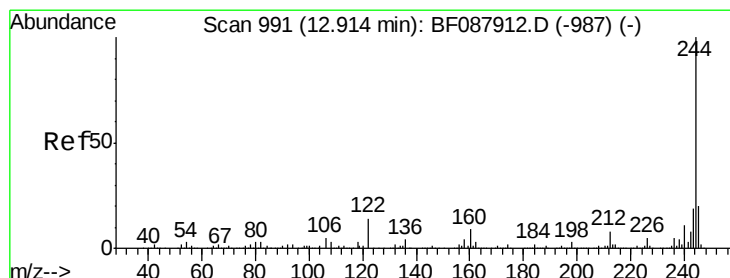
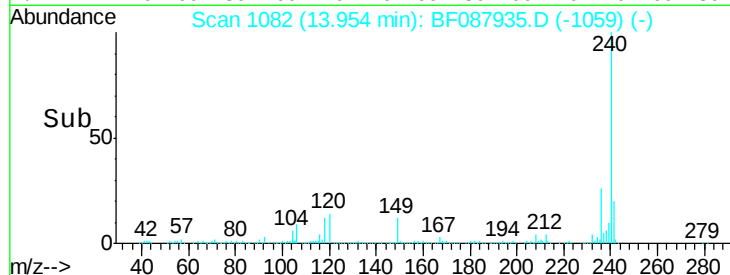
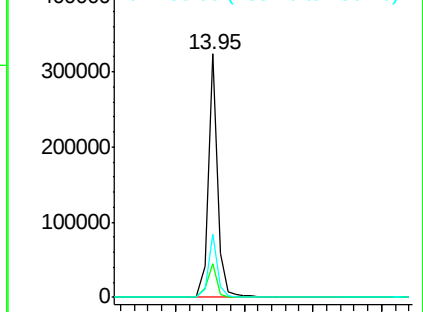
236 25.9 20.2 30.2



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



#78

Terphenyl-d14

Concen: 68.96 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

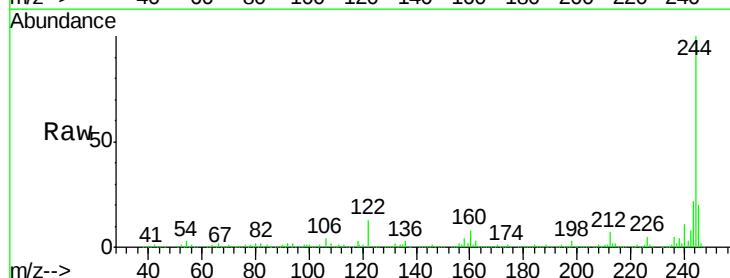
Tgt Ion:244 Resp: 924399

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

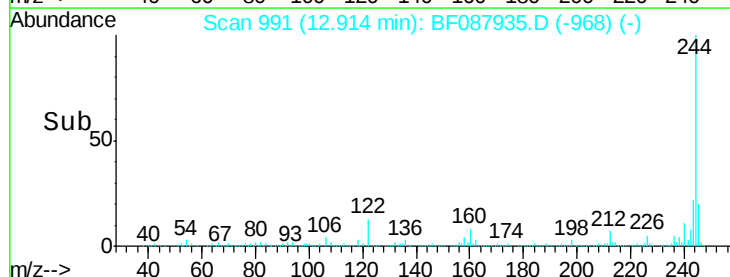
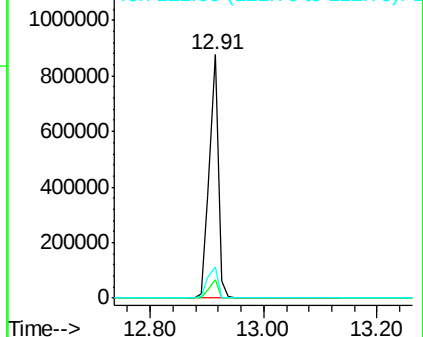
122 13.0 11.2 16.8

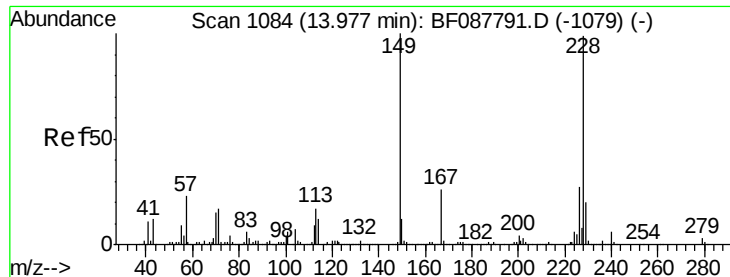


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.43 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

Instrument :

BNA_F

ClientSampled :

MW-3

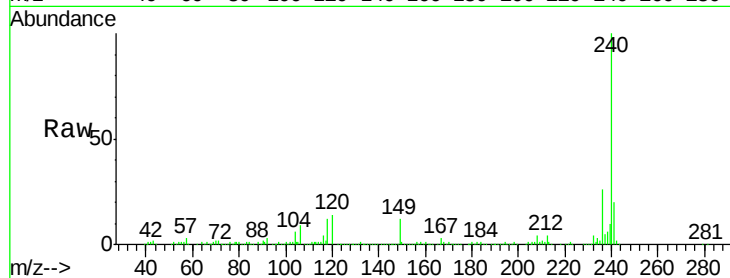
Tgt Ion:149 Resp: 41755

Ion Ratio Lower Upper

149 100

167 27.9 20.5 30.7

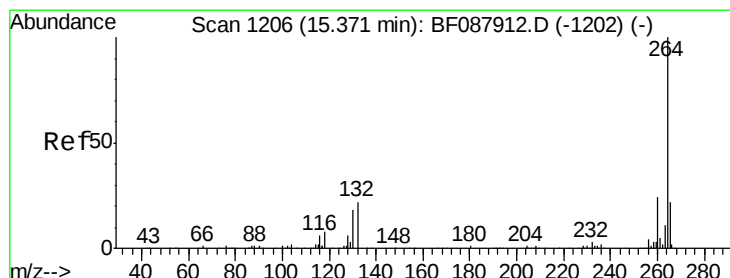
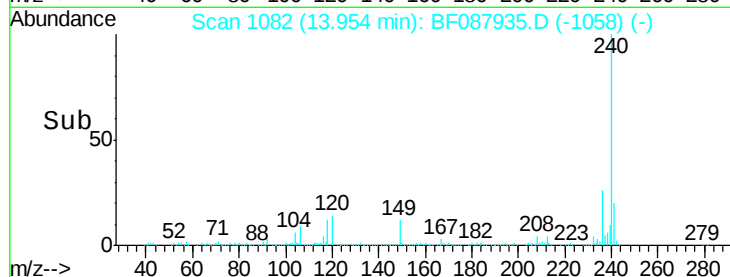
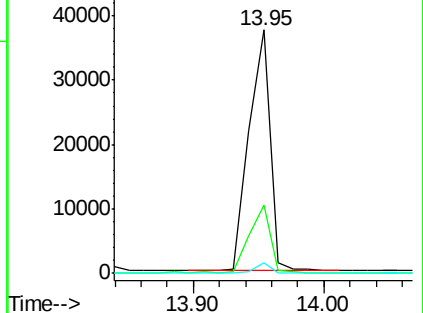
279 4.2 2.0 3.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1206

Delta R.T. -0.02 min

Lab File: BF087935.D

Acq: 12 Jun 2016 8:17

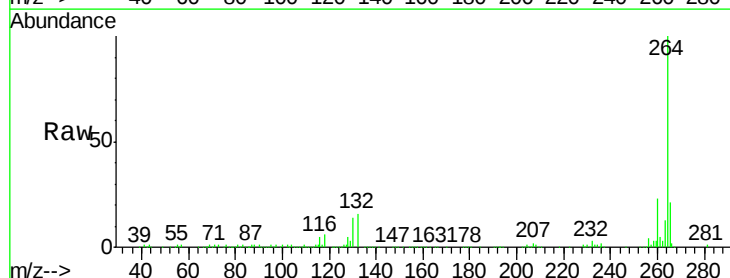
Tgt Ion:264 Resp: 237154

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.5 16.9 25.3



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

