

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084263.D
 Acq On : 5 Jan 2016 4:08
 Operator : UM/SJ
 Sample : G4990-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-32

Quant Time: Jan 05 07:16:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

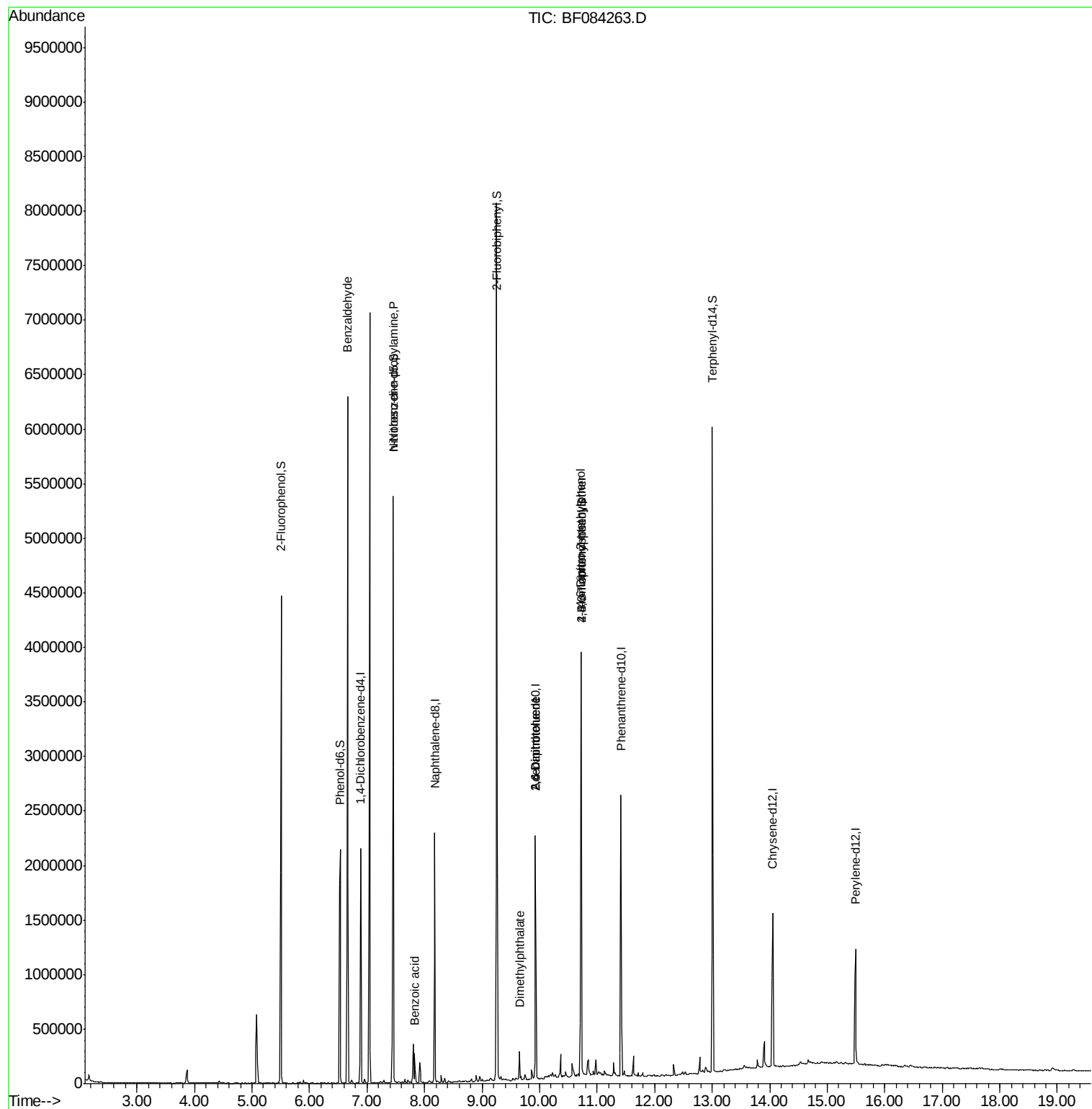
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	277340	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1157949	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	498792	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	861559	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	597908	20.00	ng	-0.01
86) Perylene-d12	15.49	264	559167	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1213336	70.76	ng	0.01
7) Phenol-d6	6.53	99	988972	45.92	ng	0.00
23) Nitrobenzene-d5	7.46	82	1934570	92.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	736065	146.17	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2736904	97.45	ng	-0.01
78) Terphenyl-d14	13.00	244	1980858	73.95	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.66	77	44346	3.16	ng	# 72
19) n-Nitroso-di-n-propylamine	7.46	70	277248	19.02	ng	# 72
32) Benzoic acid	7.84	122	1477	6.35	ng	# 32
49) Dimethylphthalate	9.65	163	134755	3.78	ng	# 91
50) 2,6-Dinitrotoluene	9.93	165	64927	8.30	ng	# 38
54) Dibenzofuran	10.13	168	487	Below Cal	#	68
56) 2,4-Dinitrotoluene	9.93	165	64930	6.56	ng	# 22
57) Fluorene	10.48	166	1148	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.72	198	1720	6.66	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	46089	4.97	ng	# 1
73) Di-n-butylphthalate	11.99	149	9029	Below Cal	#	98

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

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Quant Time: Jan 05 07:16:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

W-32

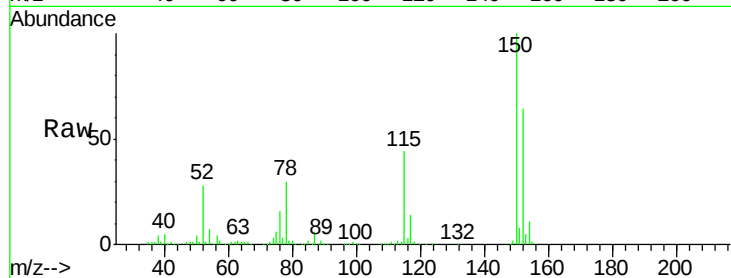
Tgt Ion:152 Resp: 277340

Ion Ratio Lower Upper

152 100

150 156.0 123.0 184.4

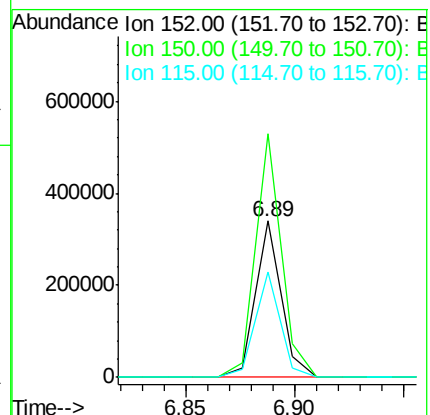
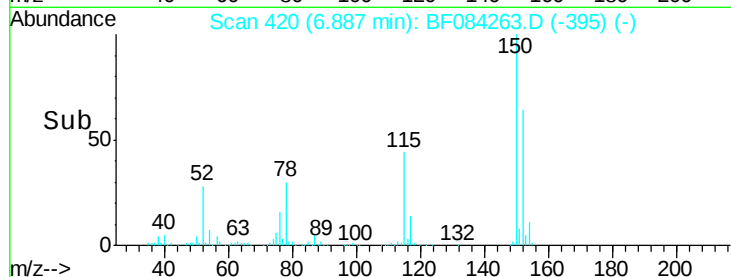
115 67.9 51.4 77.2



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: 70.76 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

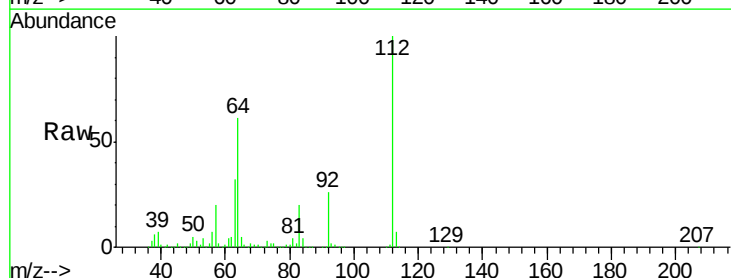
Tgt Ion:112 Resp: 1213336

Ion Ratio Lower Upper

112 100

64 60.9 36.6 55.0#

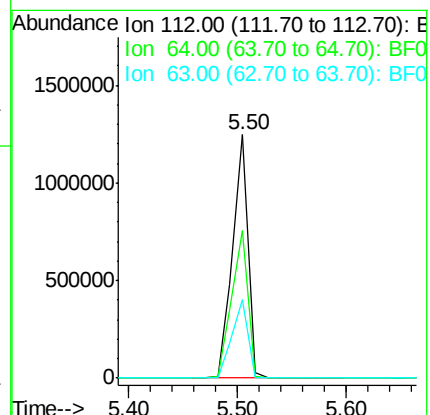
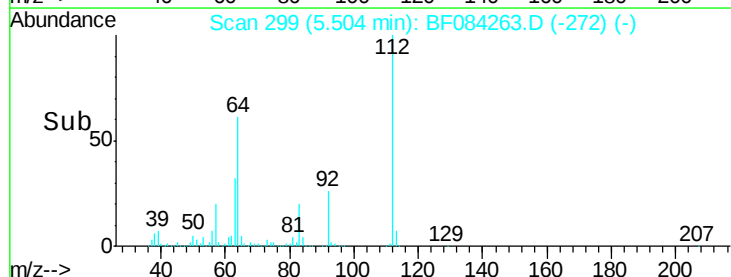
63 32.3 19.4 29.0#

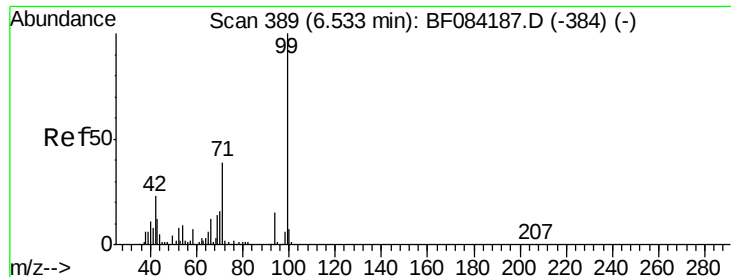


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.92 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

Instrument :

BNA_F

ClientSampled :

W-32

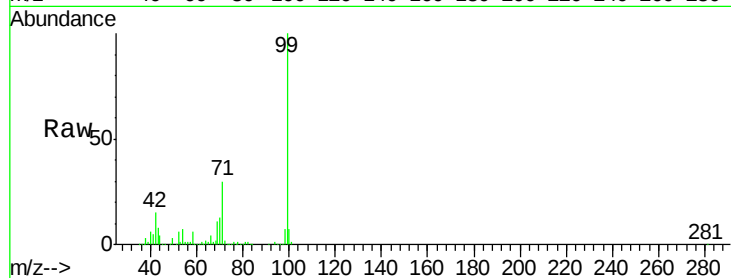
Tgt Ion: 99 Resp: 988972

Ion Ratio Lower Upper

99 100

42 15.2 12.8 19.2

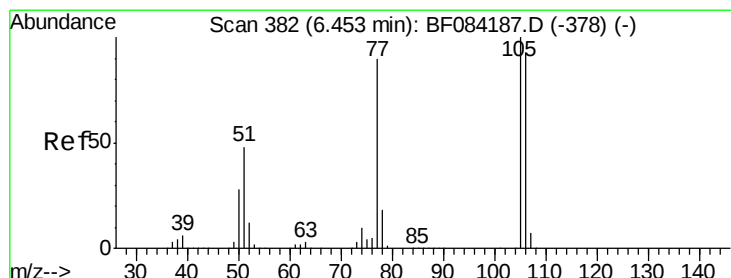
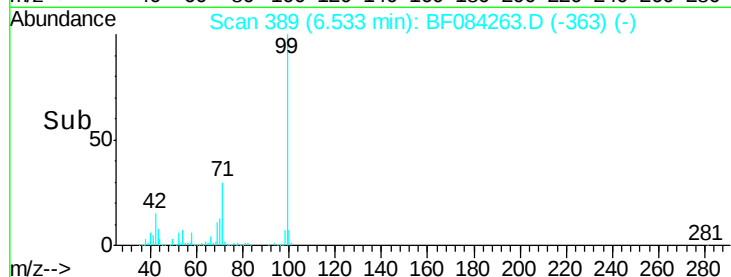
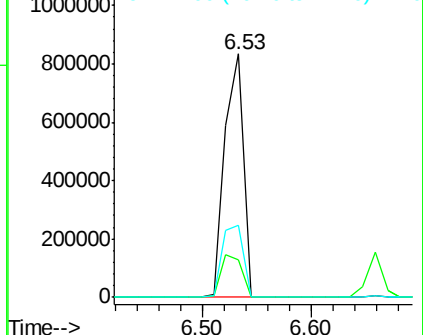
71 29.8 30.9 46.3#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.16 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.21 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

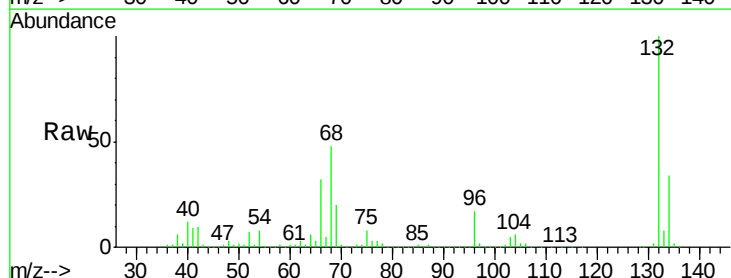
Tgt Ion: 77 Resp: 44346

Ion Ratio Lower Upper

77 100

105 72.9 83.0 123.0#

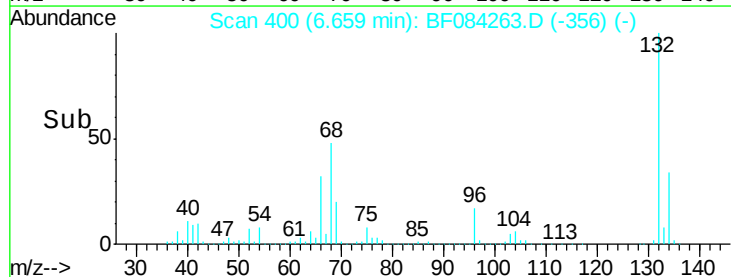
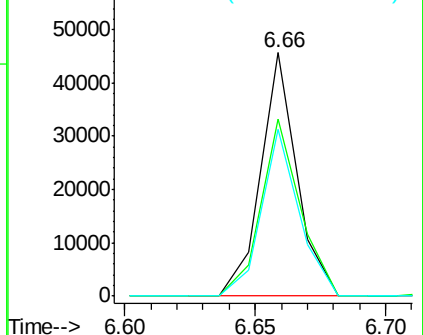
106 68.7 74.6 114.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

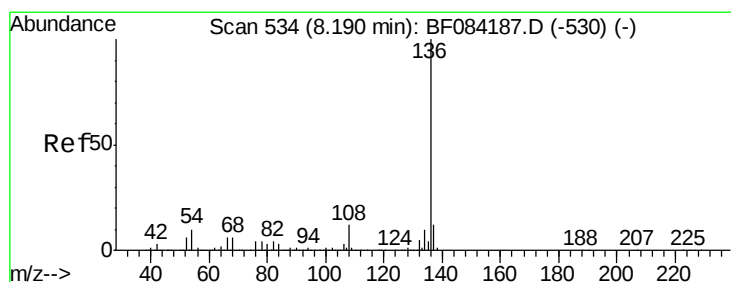
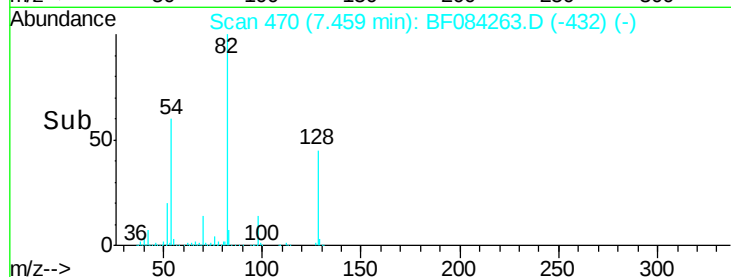
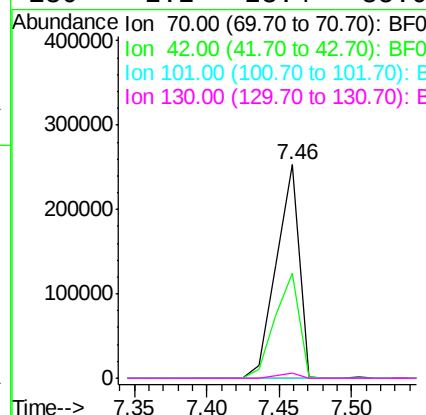
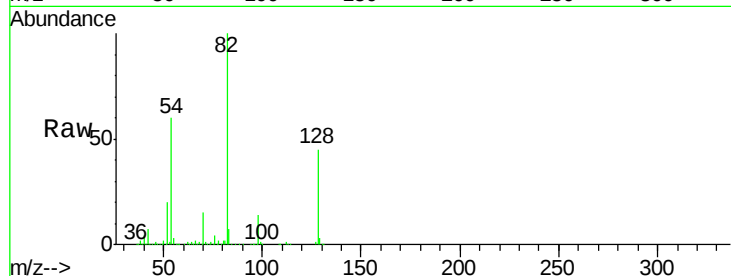




#19
n-Nitroso-di-n-propylamine
Concen: 19.02 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF084263.D
Acq: 5 Jan 2016 4:08

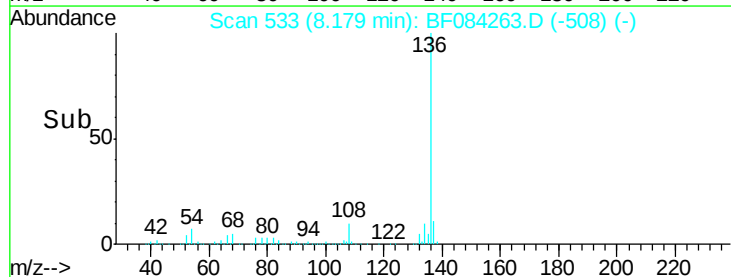
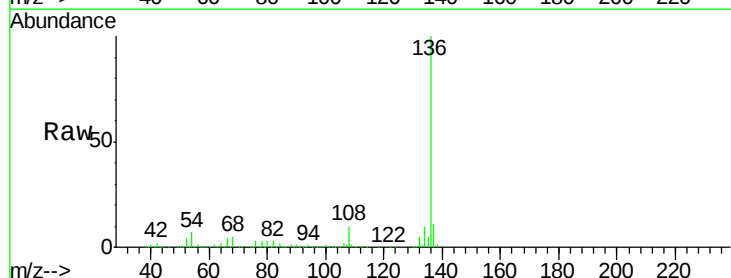
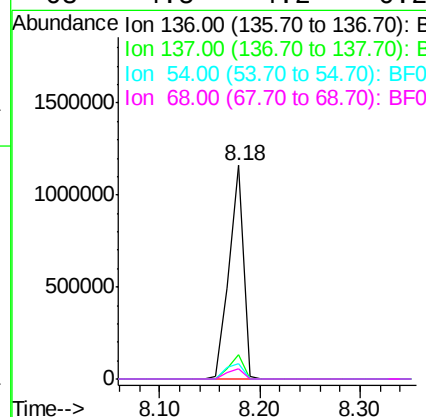
Instrument :
BNA_F
ClientSampleId :
W-32

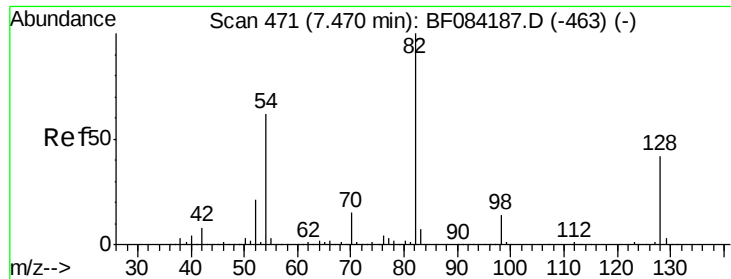
Tgt Ion	Ratio	Lower	Upper
70	100		
42	48.9	33.3	49.9
101	0.0	9.3	13.9#
130	2.2	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084263.D
Acq: 5 Jan 2016 4:08

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	7.4	5.8	8.8
68	4.5	4.2	6.2

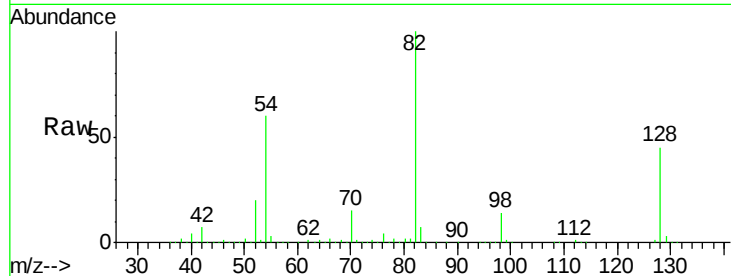




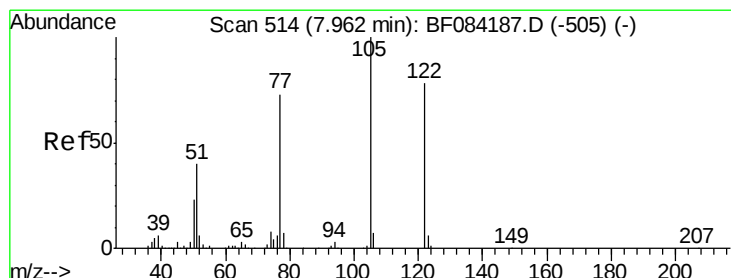
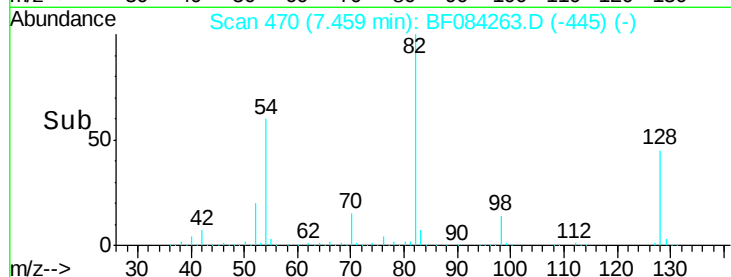
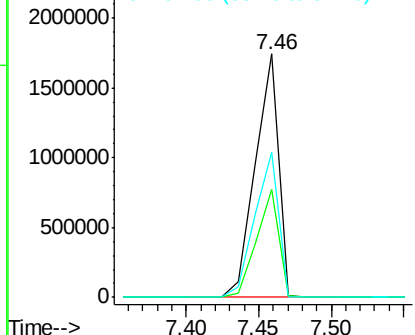
#23
 Nitrobenzene-d5
 Concen: 92.98 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084263.D
 Acq: 5 Jan 2016 4:08

Instrument :
 BNA_F
 ClientSampleId :
 W-32

Tgt Ion: 82 Resp: 1934570
 Ion Ratio Lower Upper
 82 100
 128 44.5 34.6 51.8
 54 59.8 38.4 57.6#

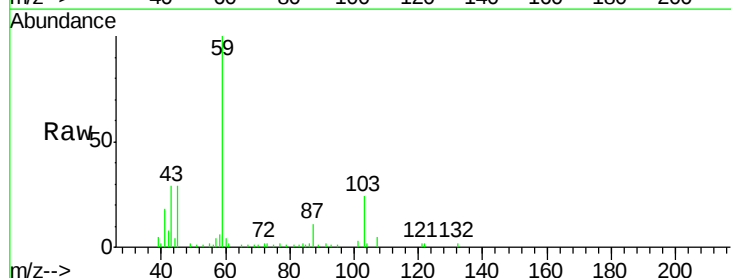


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

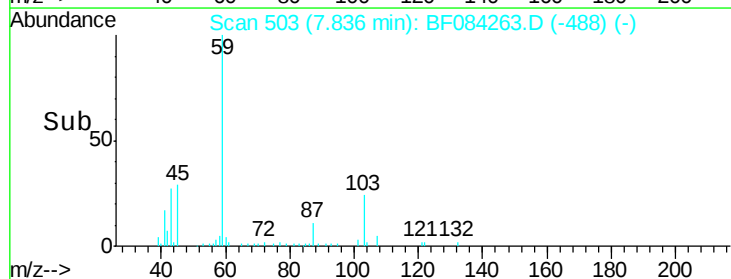
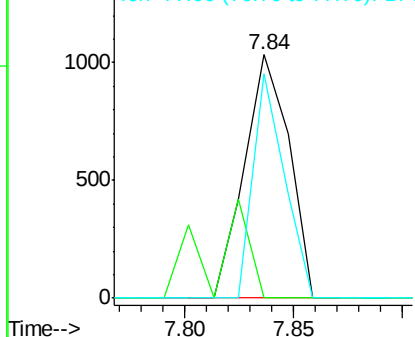


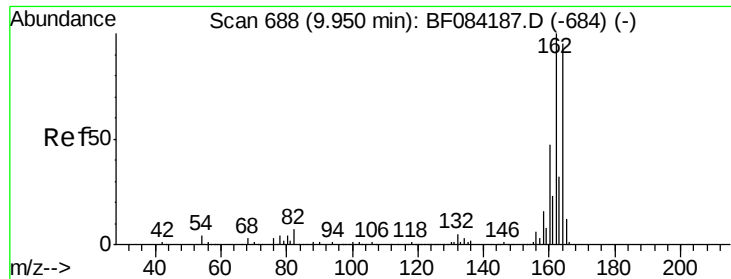
#32
 Benzoic acid
 Concen: 6.35 ng
 RT: 7.84 min Scan# 503
 Delta R.T. -0.12 min
 Lab File: BF084263.D
 Acq: 5 Jan 2016 4:08

Tgt Ion: 122 Resp: 1477
 Ion Ratio Lower Upper
 122 100
 105 0.0 100.3 140.3#
 77 92.3 63.5 103.5



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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

W-32

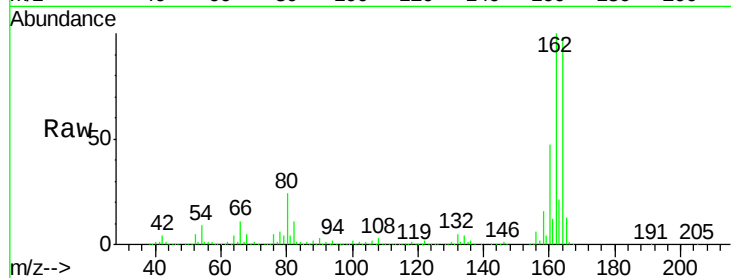
Tgt Ion:164 Resp: 498792

Ion Ratio Lower Upper

164 100

162 102.3 85.1 127.7

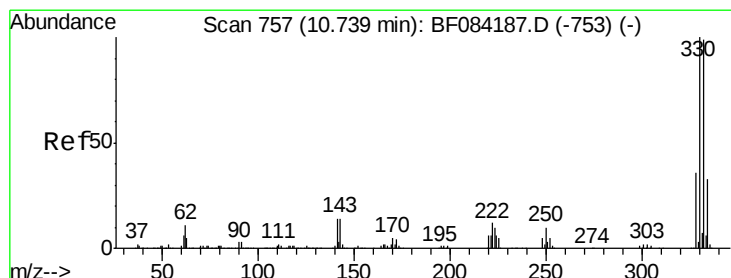
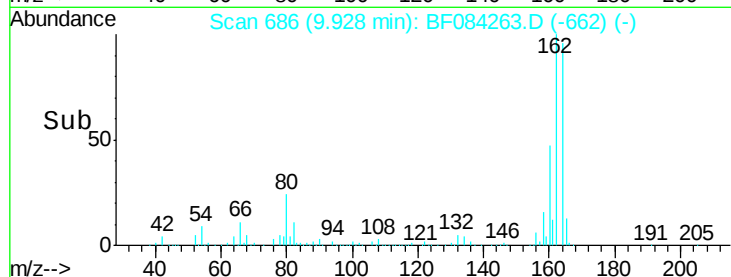
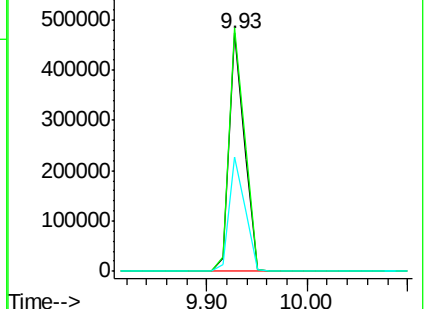
160 48.1 37.5 56.3



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: 146.17 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

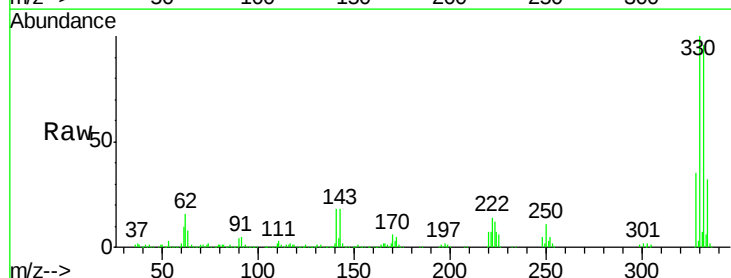
Tgt Ion:330 Resp: 736065

Ion Ratio Lower Upper

330 100

332 95.4 76.6 114.8

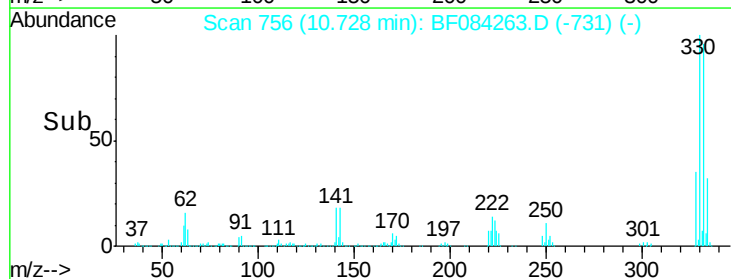
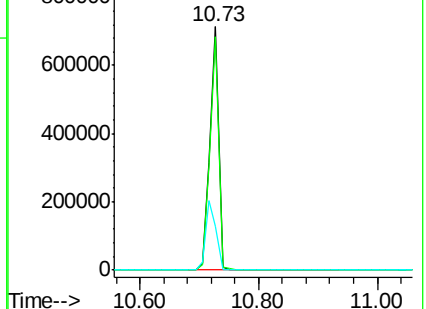
141 33.8 27.8 41.6

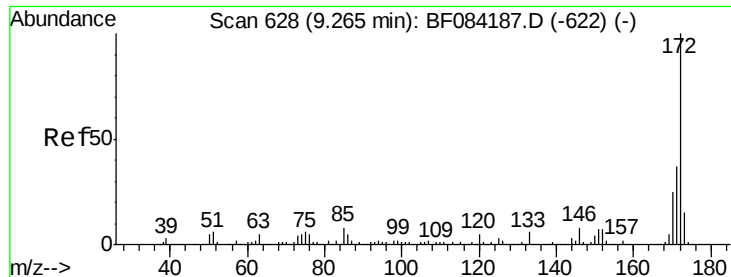


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

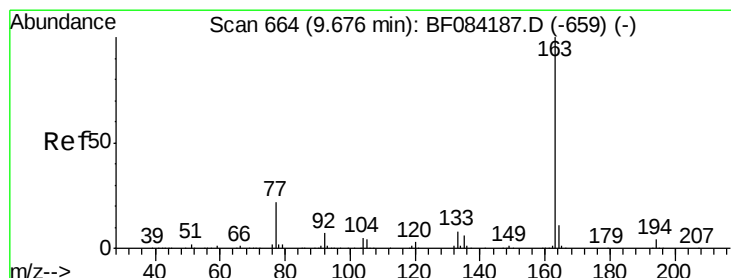
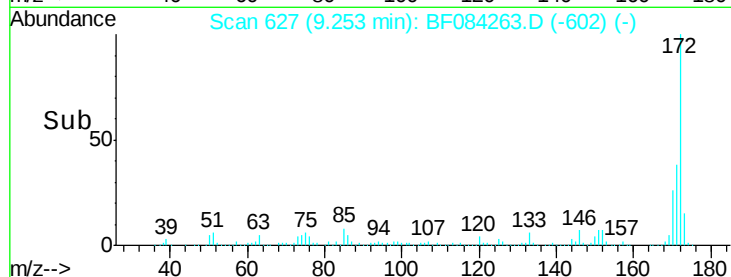
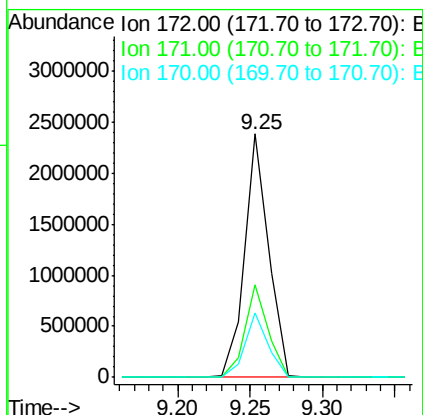
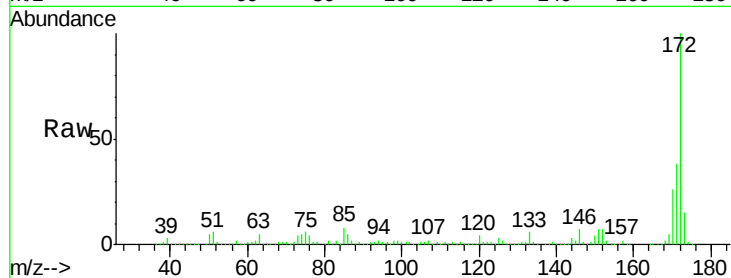




#44
 2-Fluorobiphenyl
 Concen: 97.45 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084263.D
 Acq: 5 Jan 2016 4:08

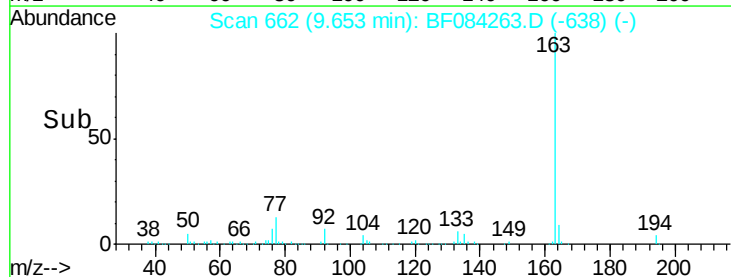
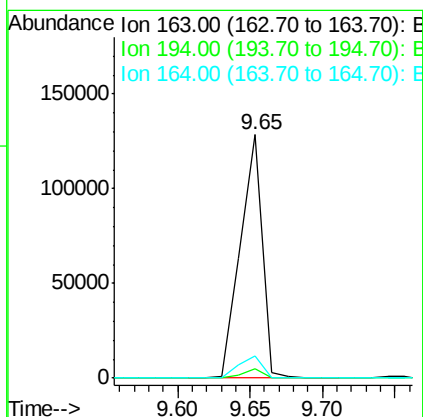
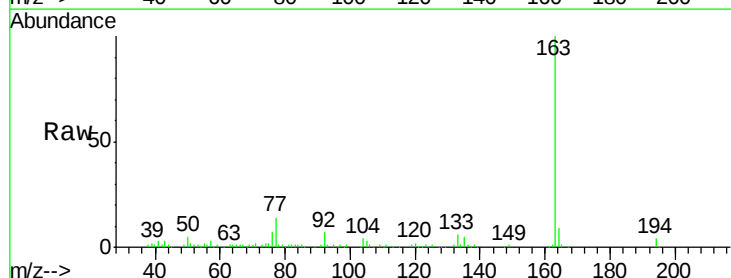
Instrument :
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 W-32

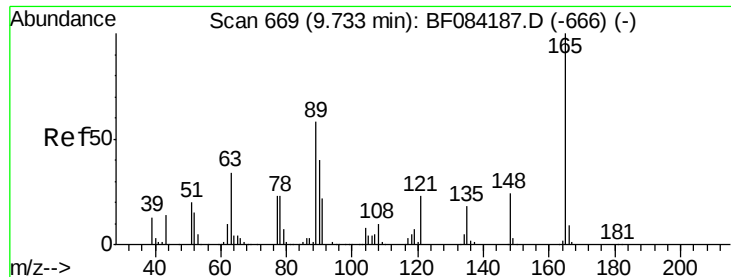
Tgt Ion:172 Resp: 2736904
 Ion Ratio Lower Upper
 172 100
 171 38.2 28.9 43.3
 170 26.3 18.6 27.8



#49
 Dimethylphthalate
 Concen: 3.78 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF084263.D
 Acq: 5 Jan 2016 4:08

Tgt Ion:163 Resp: 134755
 Ion Ratio Lower Upper
 163 100
 194 3.8 8.0 12.0#
 164 9.2 8.0 12.0

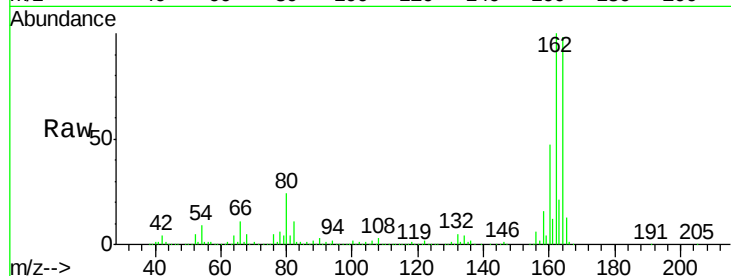




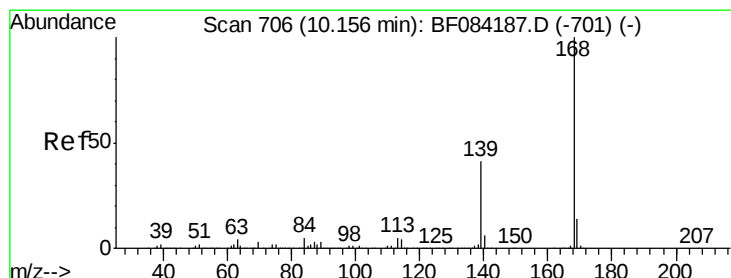
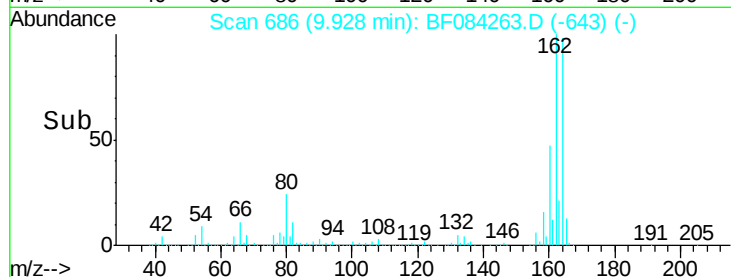
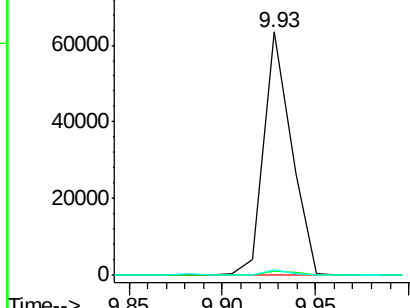
#50
2,6-Dinitrotoluene
Concen: 8.30 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.19 min
Lab File: BF084263.D
Acq: 5 Jan 2016 4:08

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:165 Resp: 64927
Ion Ratio Lower Upper
165 100
63 1.8 28.8 43.2#
89 2.0 35.1 52.7#

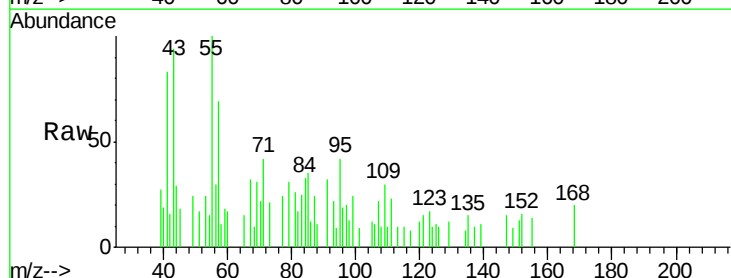


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

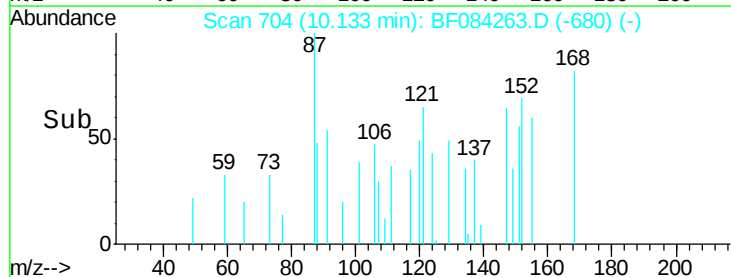
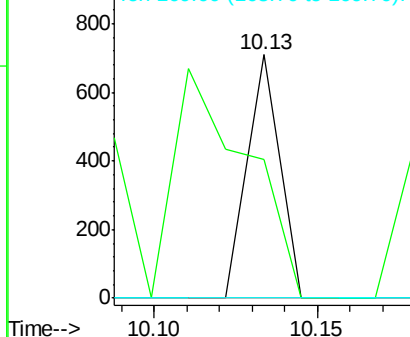


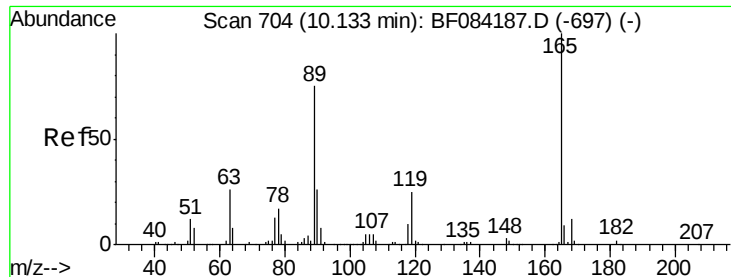
#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084263.D
Acq: 5 Jan 2016 4:08

Tgt Ion:168 Resp: 487
Ion Ratio Lower Upper
168 100
139 56.9 30.5 45.7#
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

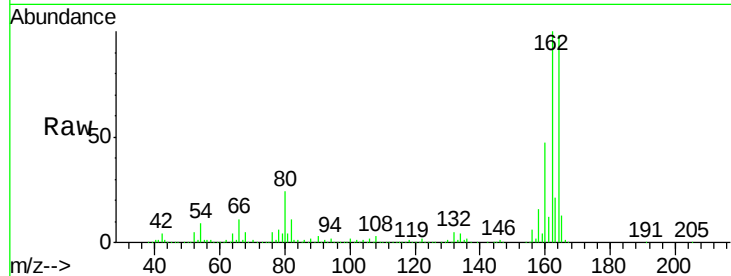




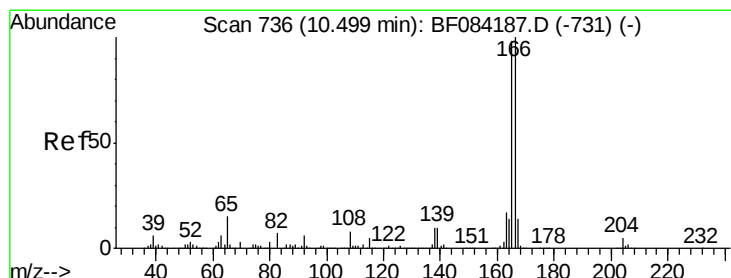
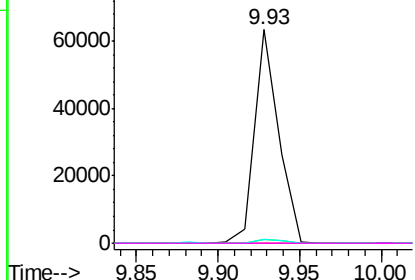
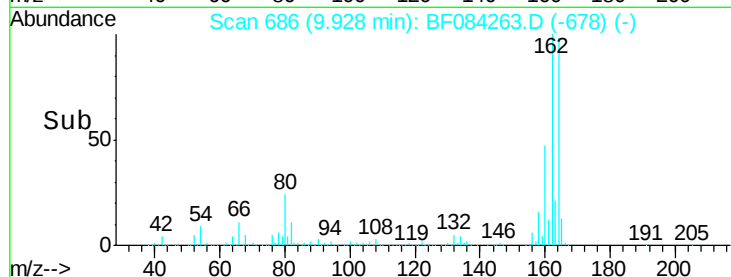
#56
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.21 min
Lab File: BF084263.D
Acq: 5 Jan 2016 4:08

Instrument :
BNA_F
ClientSampled :
W-32

Tgt Ion:165 Resp: 64930
Ion Ratio Lower Upper
165 100
63 1.8 36.7 55.1#
89 2.0 61.9 92.9#
182 0.0 2.0 3.0#

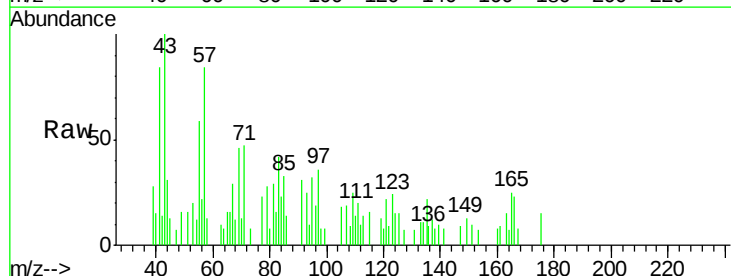


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

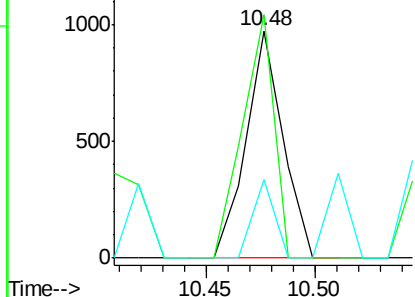
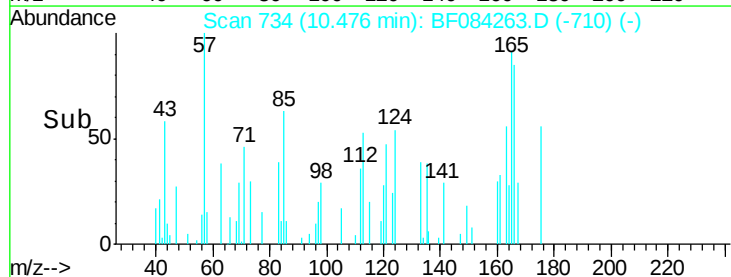


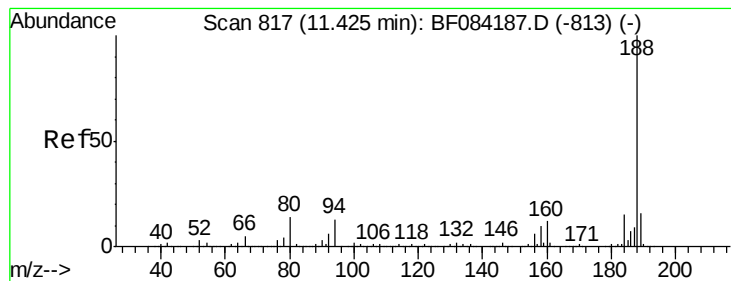
#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF084263.D
Acq: 5 Jan 2016 4:08

Tgt Ion:166 Resp: 1148
Ion Ratio Lower Upper
166 100
165 107.0 79.1 118.7
167 34.5 10.4 15.6#



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: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

Instrument :

BNA_F

ClientSampled :

W-32

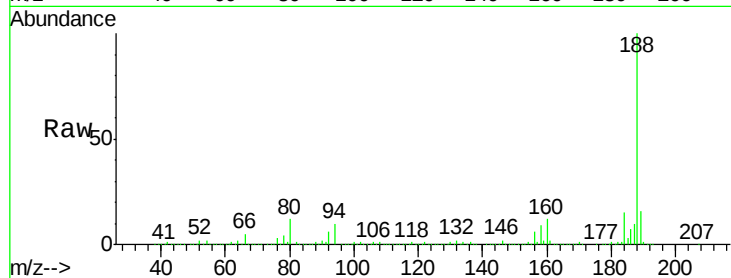
Tgt Ion:188 Resp: 861559

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.4

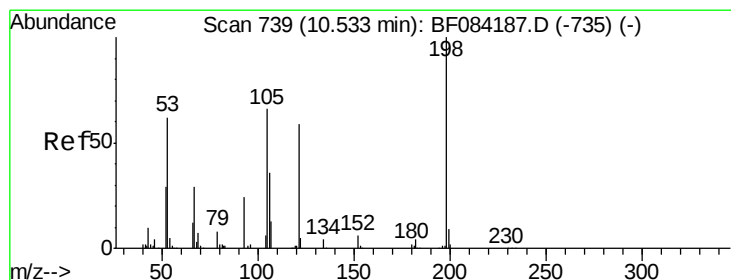
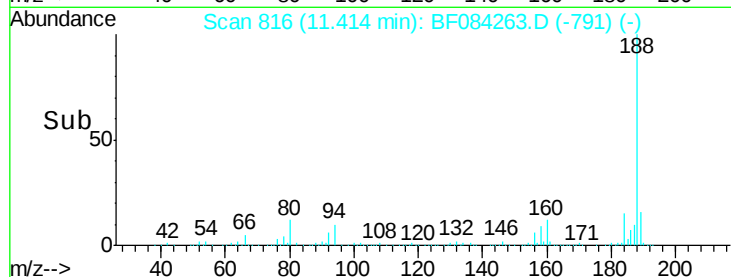
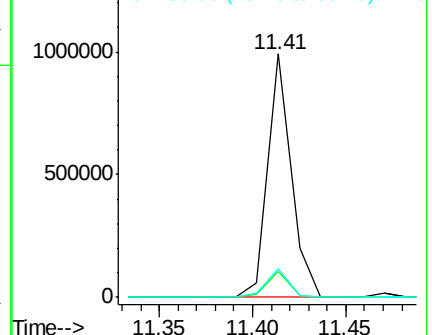
80 11.8 9.6 14.4



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: 6.66 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.18 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

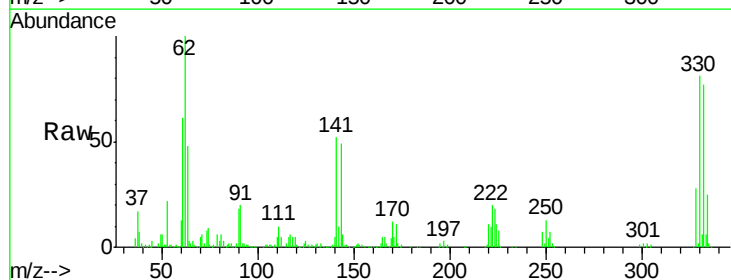
Tgt Ion:198 Resp: 1720

Ion Ratio Lower Upper

198 100

51 306.3 18.9 58.9#

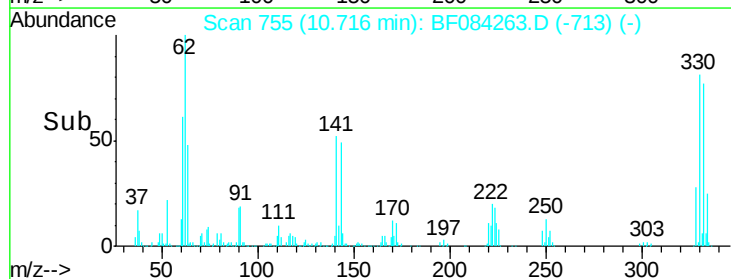
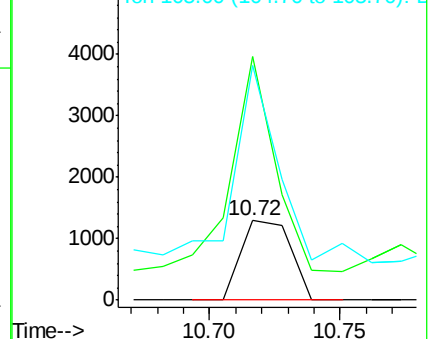
105 296.0 26.4 66.4#

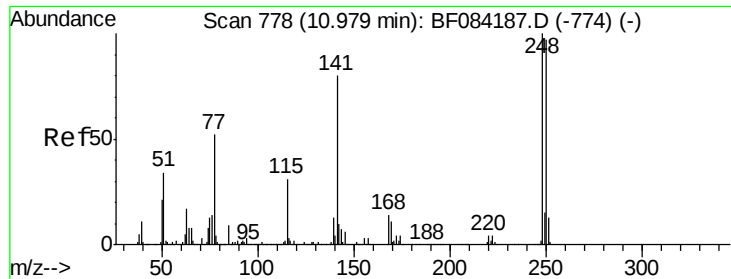


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

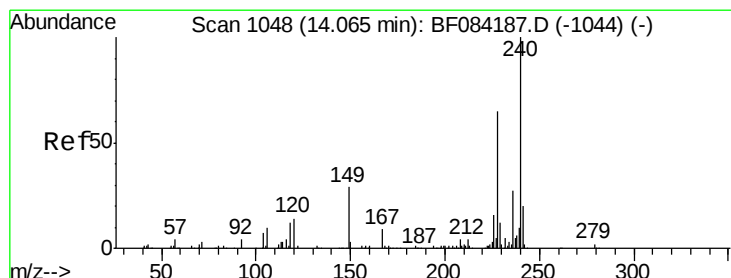
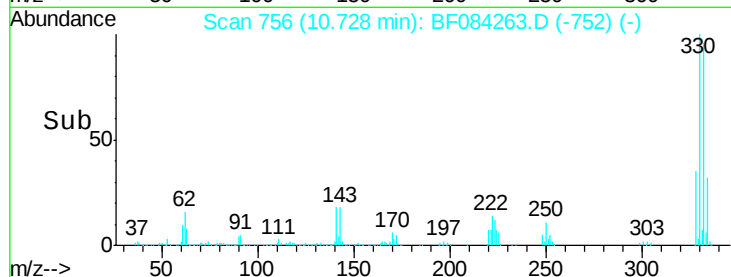
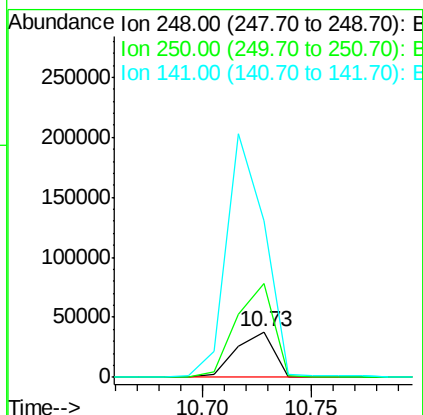
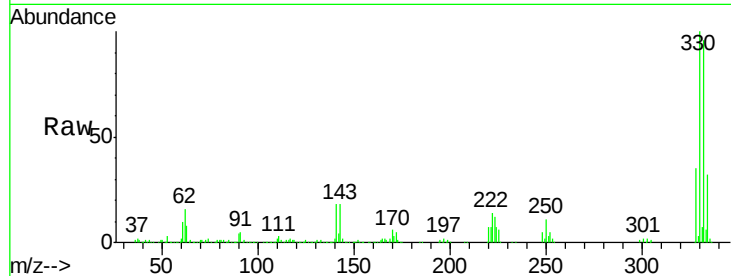




#66
 4-Bromophenyl-phenylether
 Concen: 4.97 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084263.D
 Acq: 5 Jan 2016 4:08

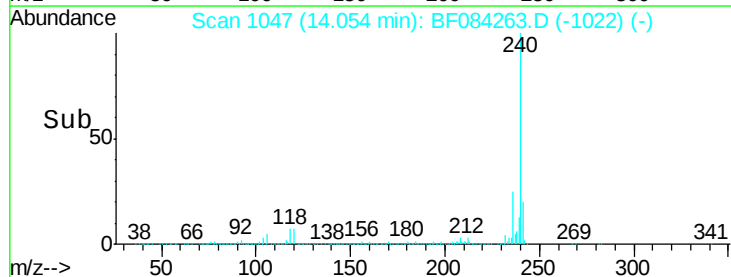
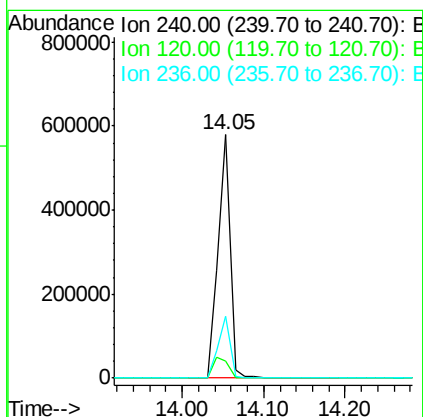
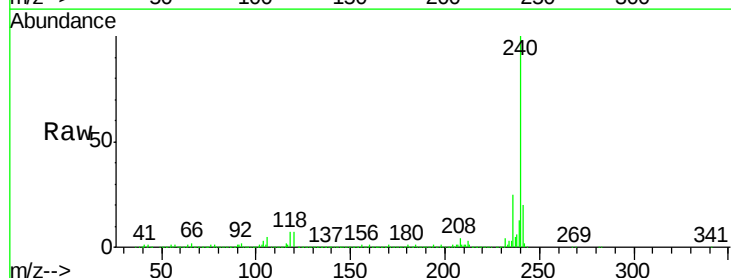
Instrument :
 BNA_F
 ClientSampled :
 W-32

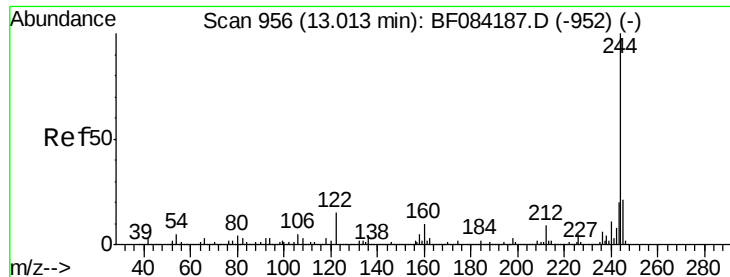
Tgt Ion:248 Resp: 46089
 Ion Ratio Lower Upper
 248 100
 250 204.3 78.4 117.6#
 141 340.4 44.0 66.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF084263.D
 Acq: 5 Jan 2016 4:08

Tgt Ion:240 Resp: 597908
 Ion Ratio Lower Upper
 240 100
 120 7.2 9.5 14.3#
 236 25.2 20.6 31.0





#78

Terphenyl-d14

Concen: 73.95 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

W-32

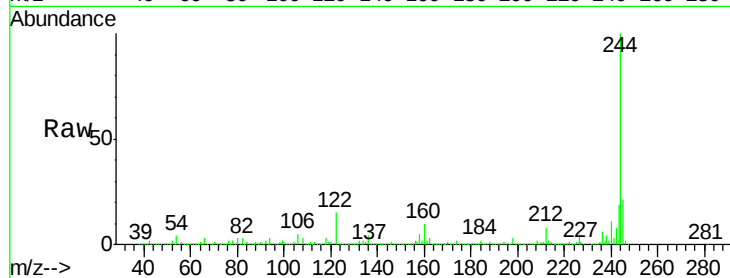
Tgt Ion:244 Resp: 1980858

Ion Ratio Lower Upper

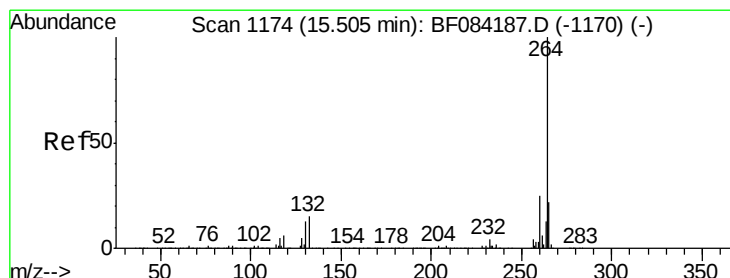
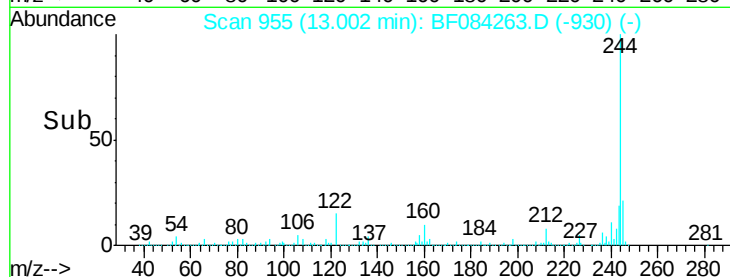
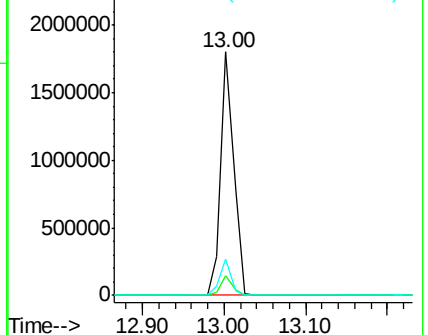
244 100

212 8.1 5.7 8.5

122 14.8 7.4 11.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084263.D

Acq: 5 Jan 2016 4:08

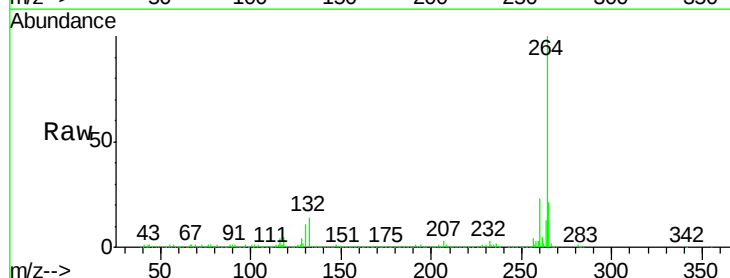
Tgt Ion:264 Resp: 559167

Ion Ratio Lower Upper

264 100

260 22.5 19.4 29.2

265 20.9 17.8 26.6



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

