

Data Path : Z:\HPCHEM1\BNA_F\Data\BF012617\
 Data File : BF092577.D
 Acq On : 27 Jan 2017 15:11
 Operator : SJ/MA
 Sample : I1353-03RE
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12RE

Quant Time: Jan 27 16:40:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	180680	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	630933	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	229630	20.00	ng	0.01
63) Phenanthrene-d10	11.55	188	304831	20.00	ng	0.02
75) Chrysene-d12	14.20	240	353381	20.00	ng	0.03
86) Perylene-d12	15.70	264	275964	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	370097	31.87	ng	0.05
7) Phenol-d6	6.64	99	313943	21.22	ng	0.05
23) Nitrobenzene-d5	7.55	82	591671	51.23	ng	0.01
41) 2,4,6-Tribromophenol	10.86	330	113203	72.34	ng	0.05
44) 2-Fluorobiphenyl	9.36	172	688336	55.43	ng	0.00
78) Terphenyl-d14	13.14	244	538013	40.54	ng	0.02

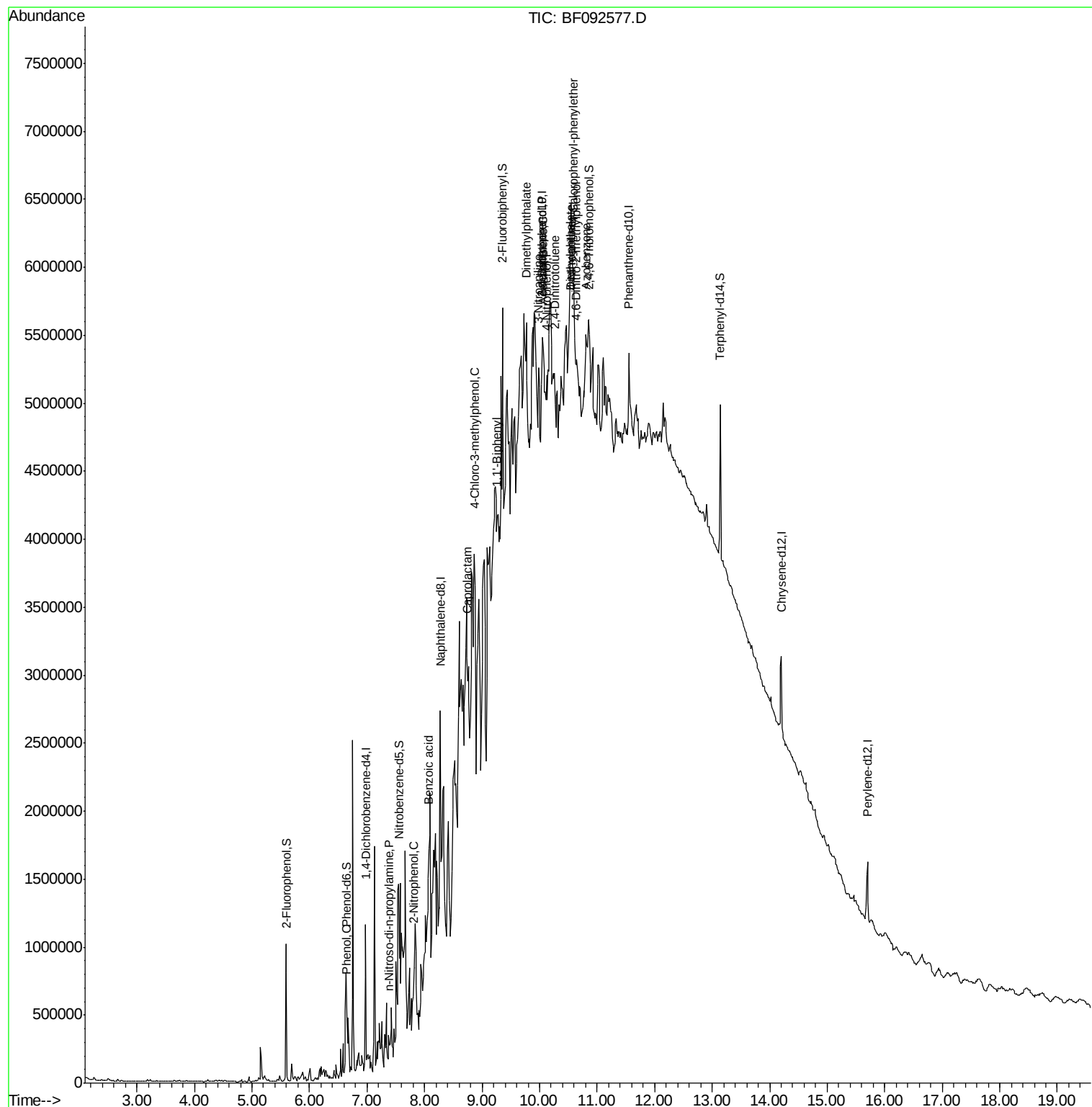
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.65	94	98496	5.52	ng	# 71
19) n-Nitroso-di-n-propylamine	7.38	70	30889	3.07	ng	# 59
26) 2-Nitrophenol	7.81	139	19955	3.94	ng	# 61
32) Benzoic acid	8.08	122	4614	5.22	ng	# 1
35) Caprolactam	8.74	113	17077	5.59	ng	# 1
36) 4-Chloro-3-methylphenol	8.86	107	65878	6.68	ng	# 32
45) 1,1'-Biphenyl	9.25	154	69851	4.21	ng	# 77
49) Dimethylphthalate	9.77	163	49425	3.38	ng	# 48
51) Acenaphthene	10.06	154	35392	2.86	ng	# 83
52) 3-Nitroaniline	9.98	138	88320	23.63	ng	# 5
53) 2,4-Dinitrophenol	10.04	184	4444	7.56	ng	# 1
55) 4-Nitrophenol	10.12	139	40195	13.54	ng	# 1
56) 2,4-Dinitrotoluene	10.26	165	15724	3.97	ng	# 56
59) Diethylphthalate	10.53	149	802360	57.30	ng	# 71
60) 4-Chlorophenyl-phenylether	10.58	204	25027	4.15	ng	# 78
61) 4-Nitroaniline	10.56	138	79749	21.33	ng	# 1
62) Azobenzene	10.81	77	57227	3.59	ng	# 61
64) 4,6-Dinitro-2-methylphenol	10.64	198	497	5.22	ng	# 1

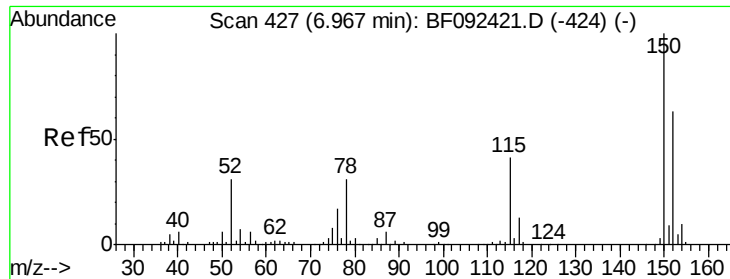
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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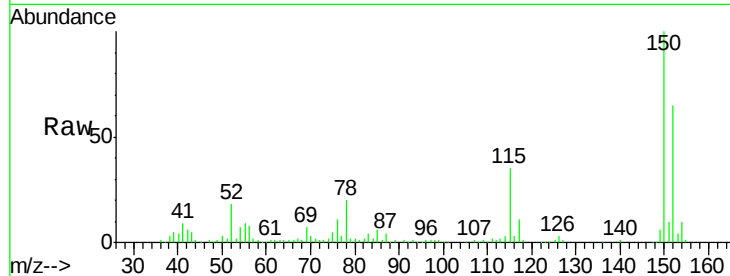


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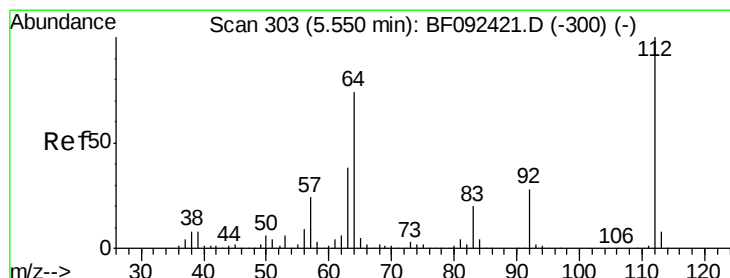
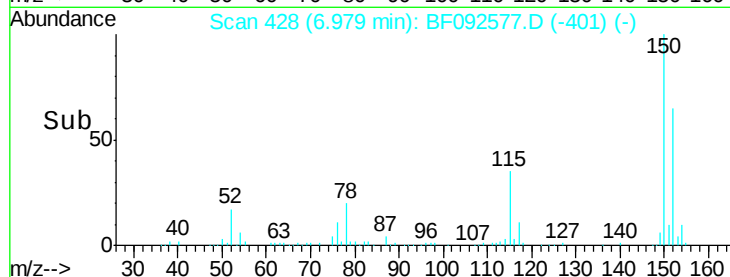
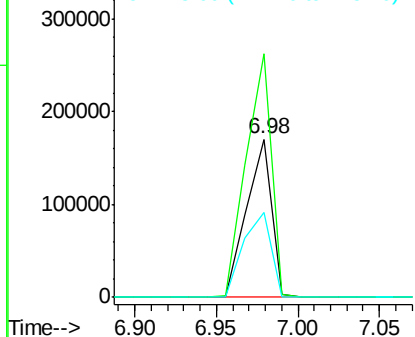
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.01 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Instrument :
BNA_F
ClientSampleId :
MW-12RE

Tgt Ion:152 Resp: 180680
Ion Ratio Lower Upper
152 100
150 154.1 124.9 187.3
115 53.6 46.0 69.0



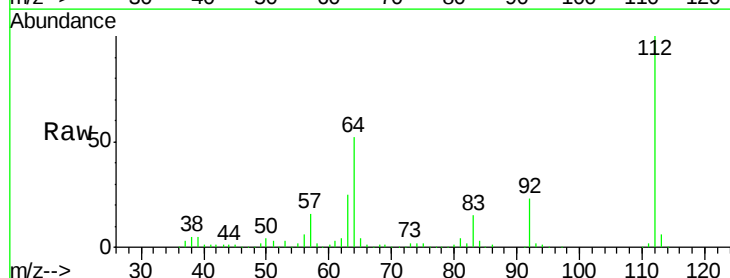
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



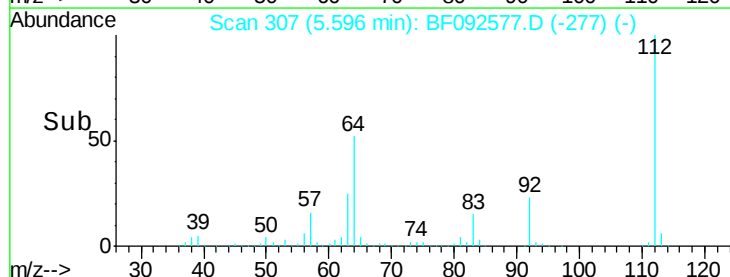
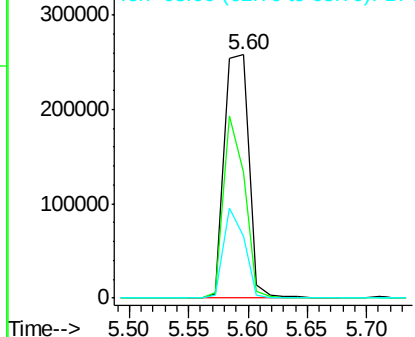
#5

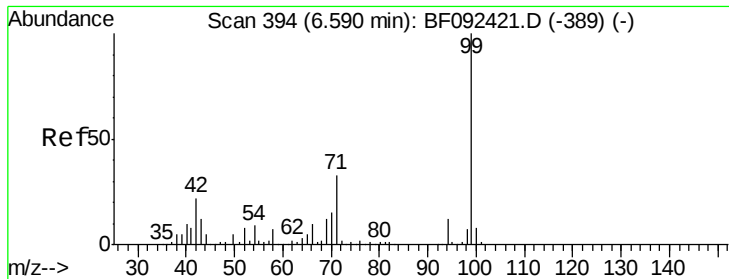
2-Fluorophenol
Concen: 31.87 ng
RT: 5.60 min Scan# 307
Delta R.T. 0.05 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion:112 Resp: 370097
Ion Ratio Lower Upper
112 100
64 51.7 46.1 69.1
63 25.4 23.8 35.6



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: 21.22 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.05 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

Instrument :

BNA_F

ClientSampled :

MW-12RE

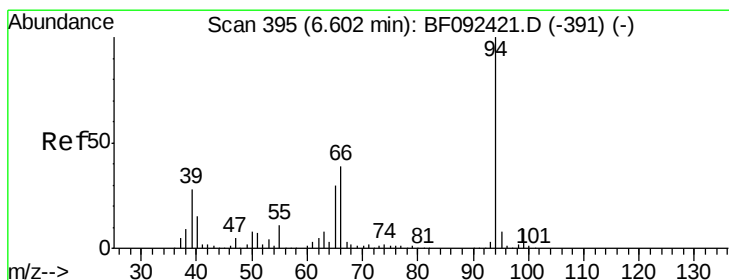
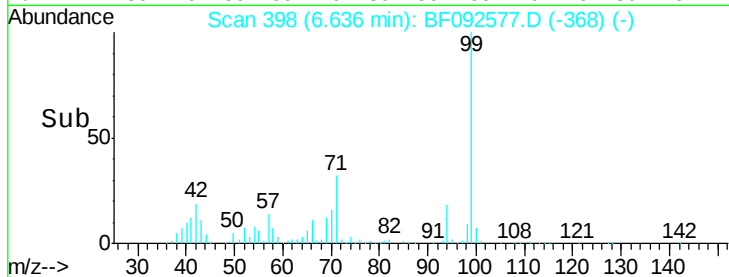
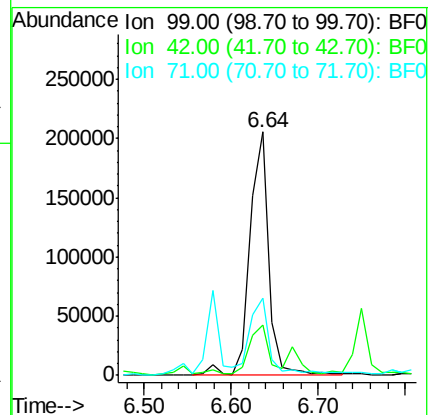
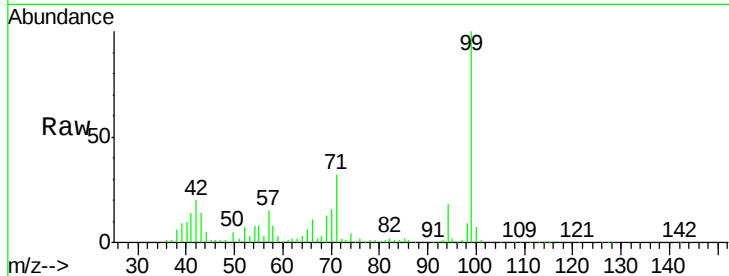
Tgt Ion: 99 Resp: 313943

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

71 31.9 27.5 41.3



#10

Phenol

Concen: 5.52 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.05 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

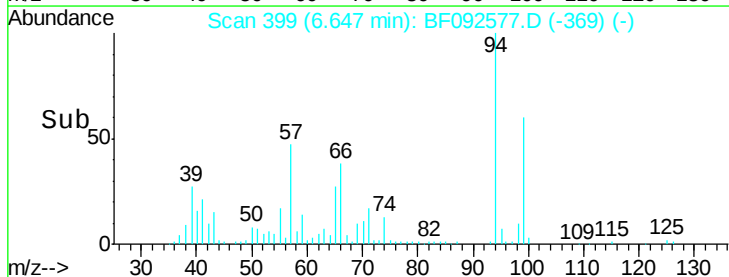
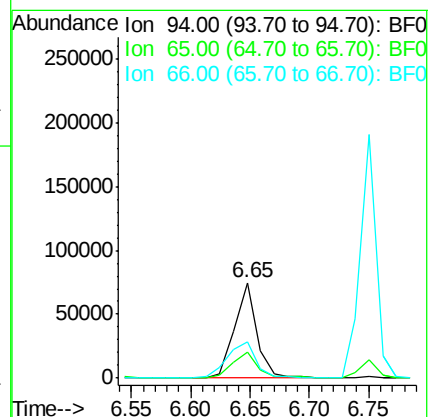
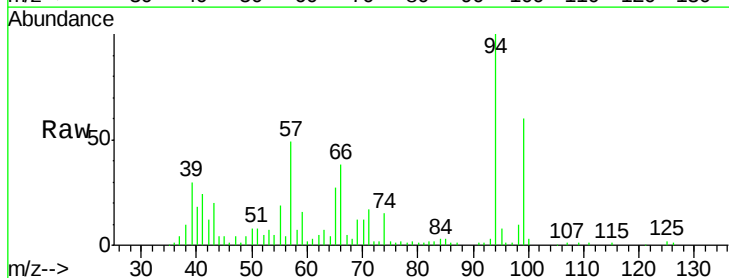
Tgt Ion: 94 Resp: 98496

Ion Ratio Lower Upper

94 100

65 27.2 21.4 61.4

66 37.8 44.0 84.0#

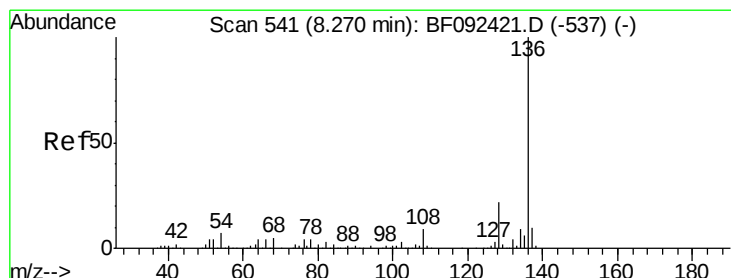
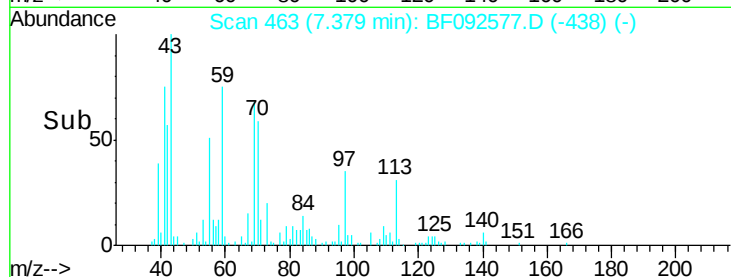
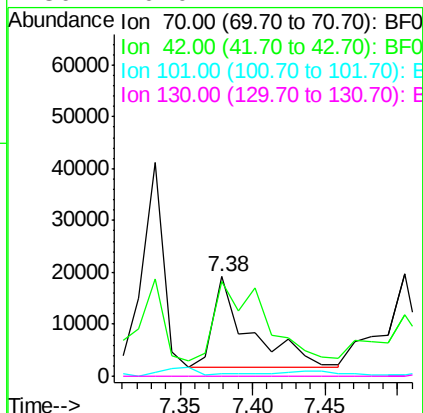
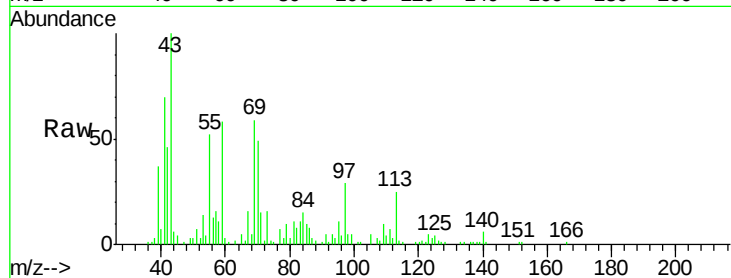




#19
n-Nitroso-di-n-propylamine
Concen: 3.07 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

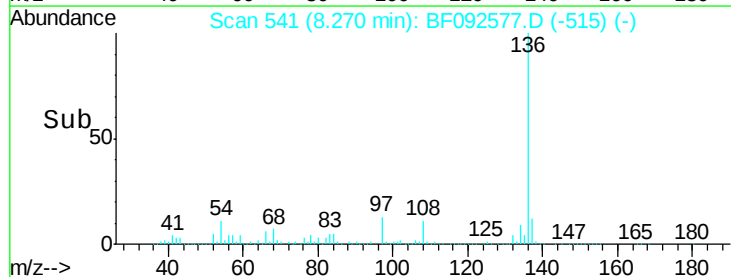
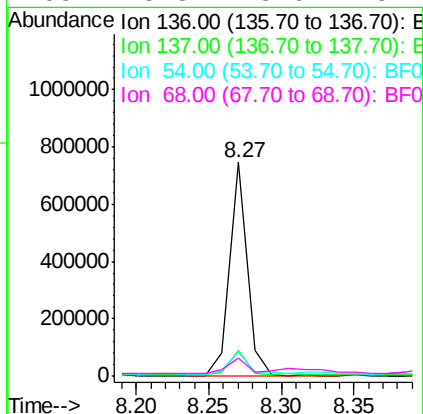
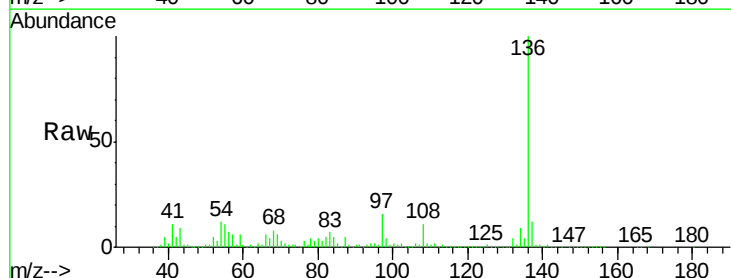
Instrument :
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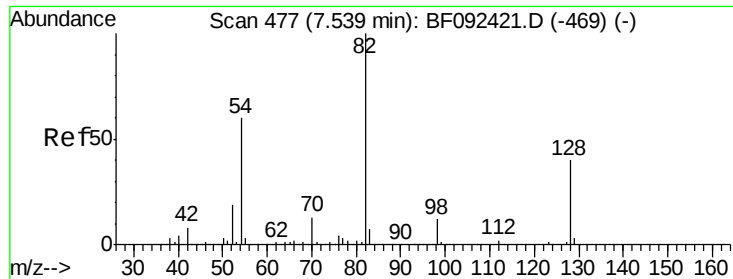
Tgt Ion: 70 Resp: 30889
Ion Ratio Lower Upper
70 100
42 95.4 49.4 74.0#
101 2.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion: 136 Resp: 630933
Ion Ratio Lower Upper
136 100
137 11.8 8.4 12.6
54 11.6 4.5 6.7#
68 8.3 3.6 5.4#

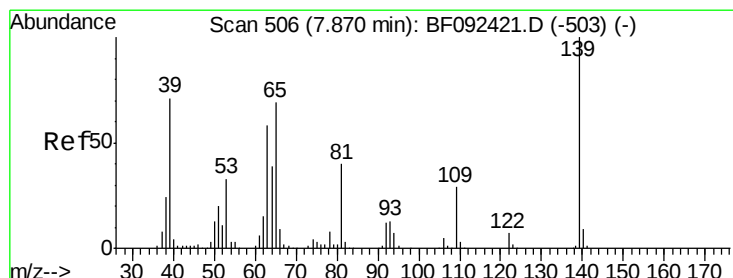
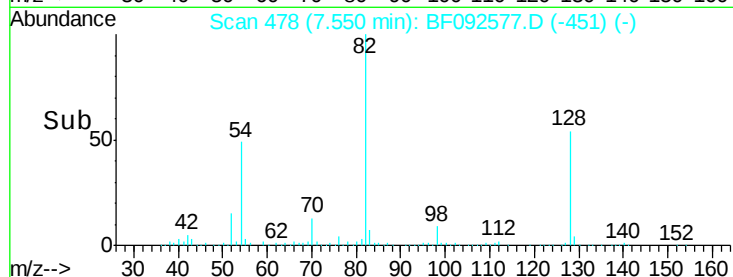
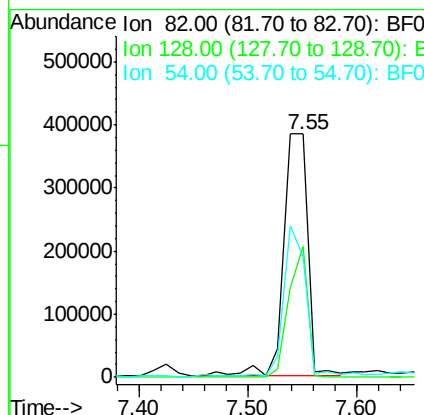
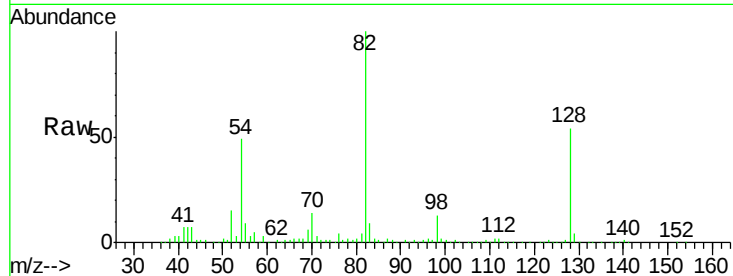




#23
Nitrobenzene-d5
Concen: 51.23 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

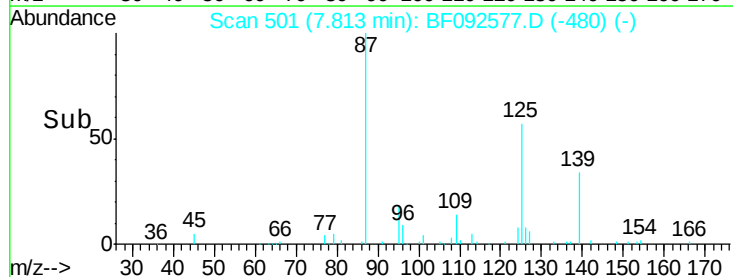
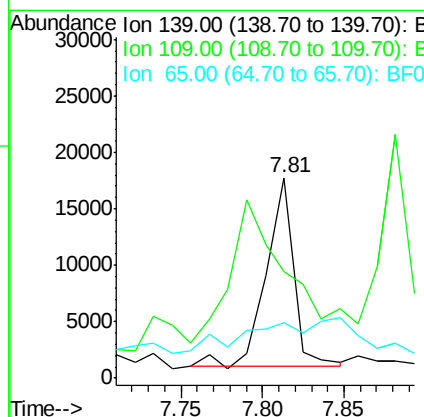
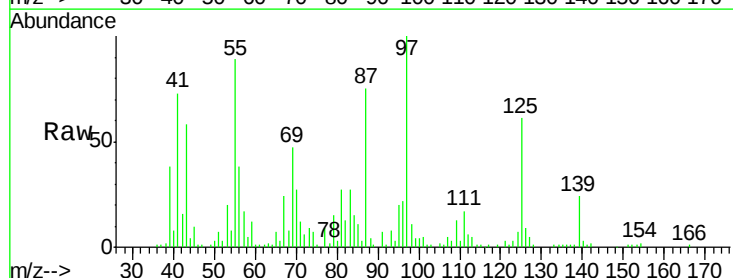
Instrument :
BNA_F
ClientSampled :
MW-12RE

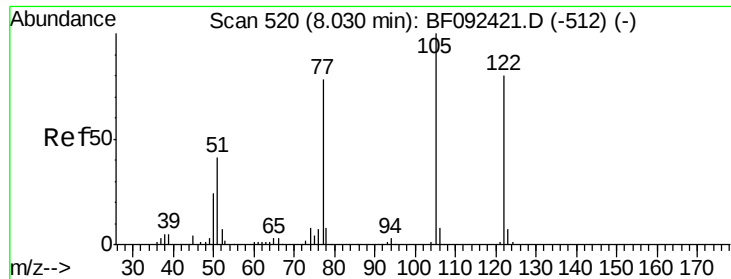
Tgt Ion: 82 Resp: 591671
Ion Ratio Lower Upper
82 100
128 53.7 34.6 52.0#
54 49.4 39.5 59.3



#26
2-Nitrophenol
Concen: 3.94 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.06 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion: 139 Resp: 19955
Ion Ratio Lower Upper
139 100
109 53.6 23.3 34.9#
65 27.8 42.7 64.1#

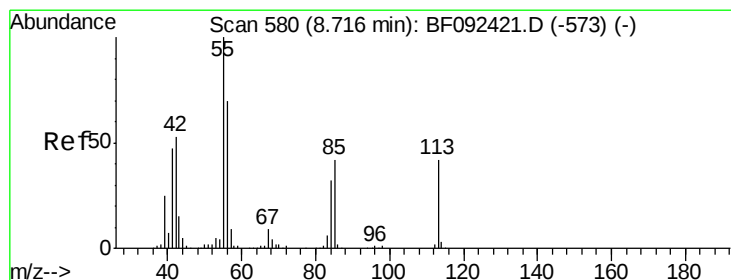
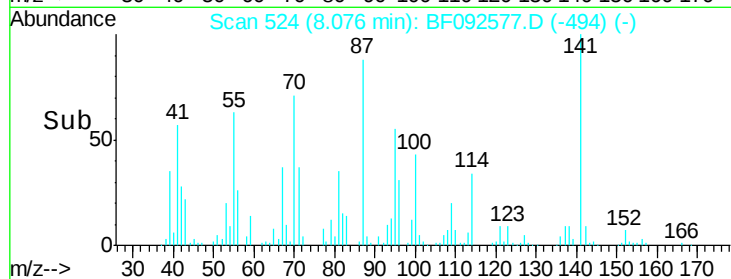
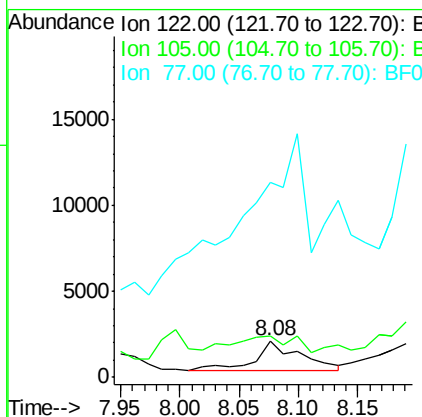
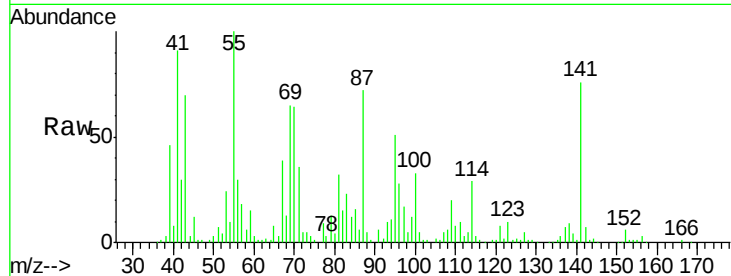




#32
Benzoic acid
Concen: 5.22 ng
RT: 8.08 min Scan# 524
Delta R.T. 0.05 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

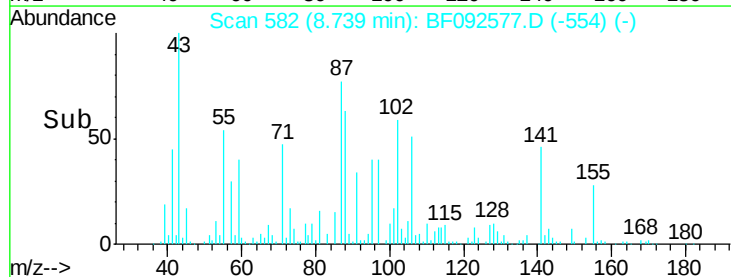
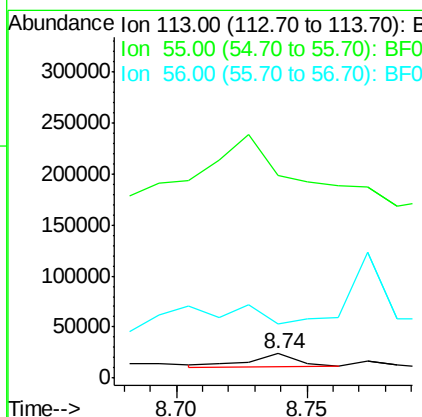
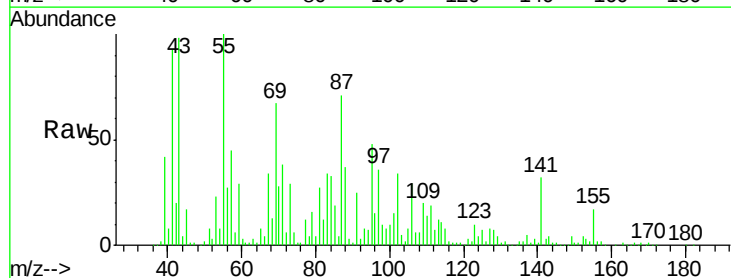
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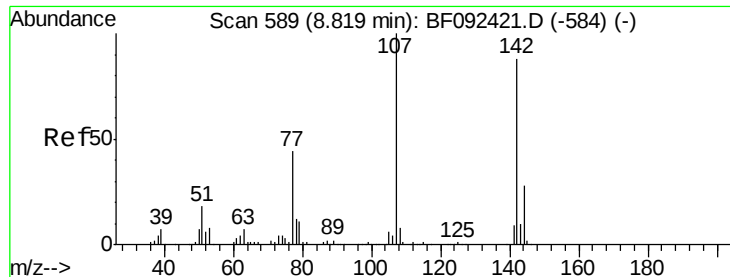
Tgt Ion:122 Resp: 4614
Ion Ratio Lower Upper
122 100
105 114.5 107.2 147.2
77 538.3 74.5 114.5#



#35
Caprolactam
Concen: 5.59 ng
RT: 8.74 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion:113 Resp: 17077
Ion Ratio Lower Upper
113 100
55 836.7 119.2 159.2#
56 226.2 83.8 123.8#

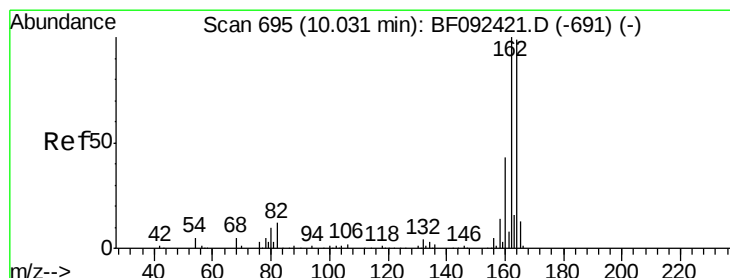
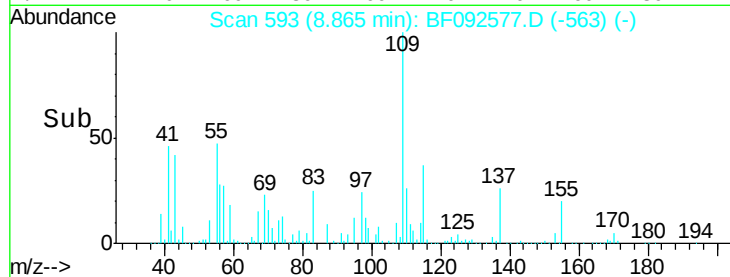
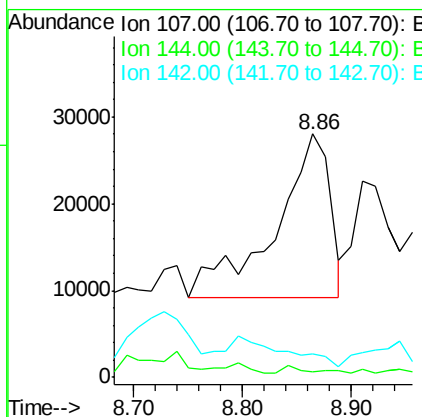
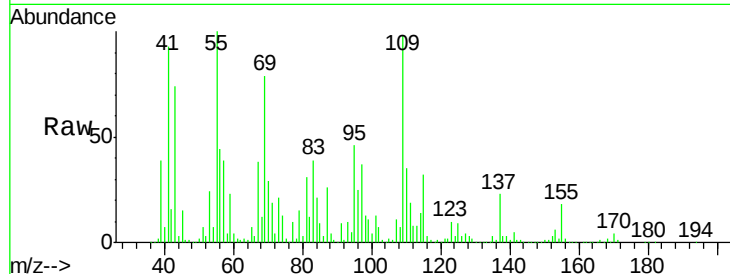




#36
 4-Chloro-3-methylphenol
 Concen: 6.68 ng
 RT: 8.86 min Scan# 593
 Delta R.T. 0.05 min
 Lab File: BF092577.D
 Acq: 27 Jan 2017 15:11

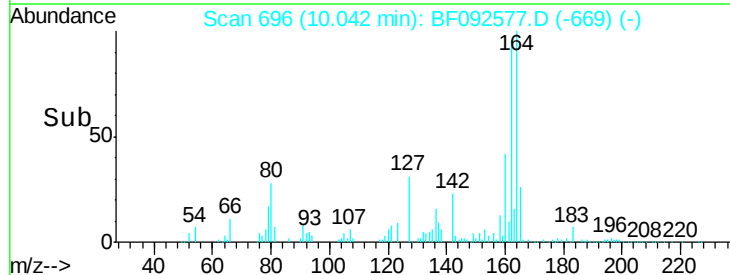
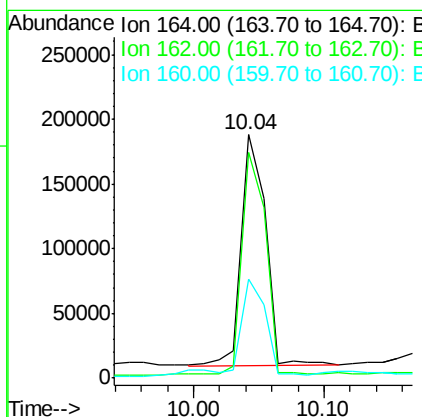
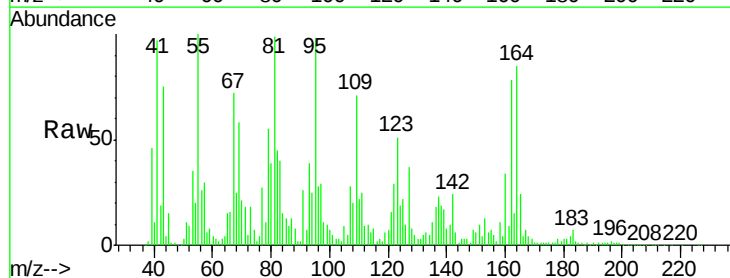
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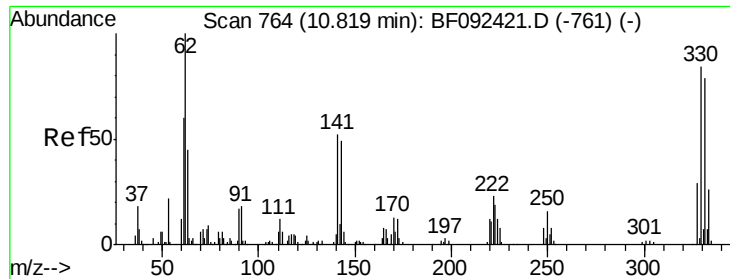
Tgt Ion:107 Resp: 65878
 Ion Ratio Lower Upper
 107 100
 144 2.1 19.3 28.9#
 142 9.4 59.0 88.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: BF092577.D
 Acq: 27 Jan 2017 15:11

Tgt Ion:164 Resp: 229630
 Ion Ratio Lower Upper
 164 100
 162 92.6 80.2 120.2
 160 40.4 36.9 55.3

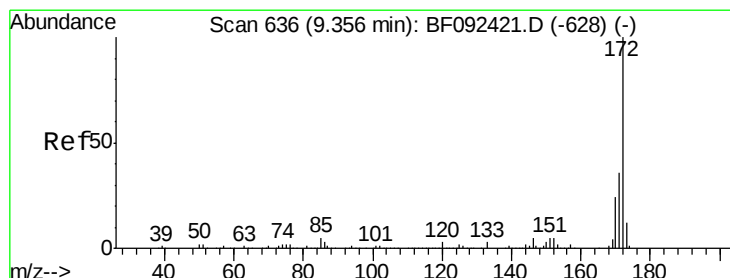
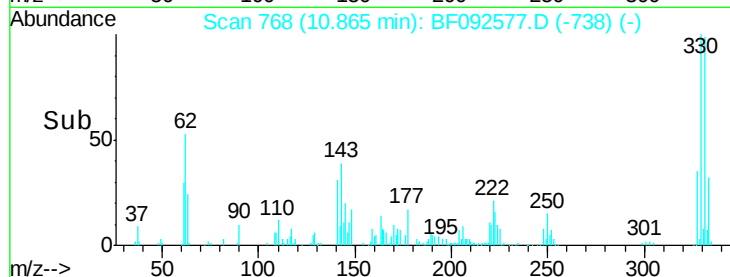
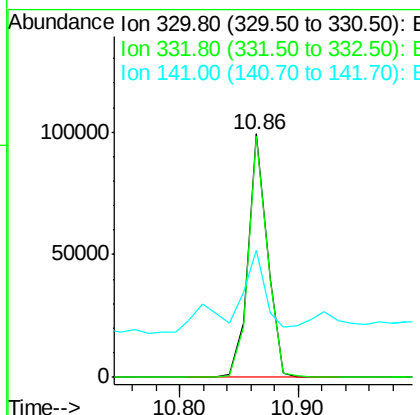
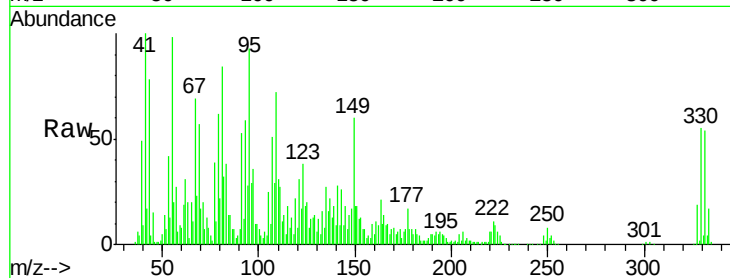




#41
 2,4,6-Tribromophenol
 Concen: 72.34 ng
 RT: 10.86 min Scan# 768
 Delta R.T. 0.05 min
 Lab File: BF092577.D
 Acq: 27 Jan 2017 15:11

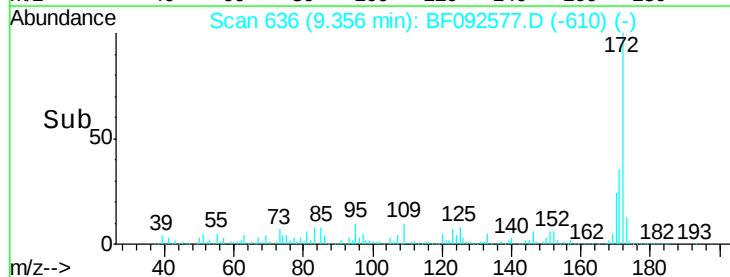
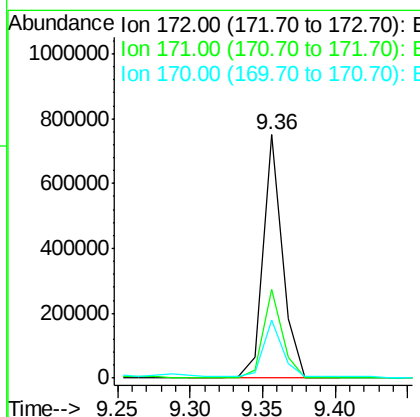
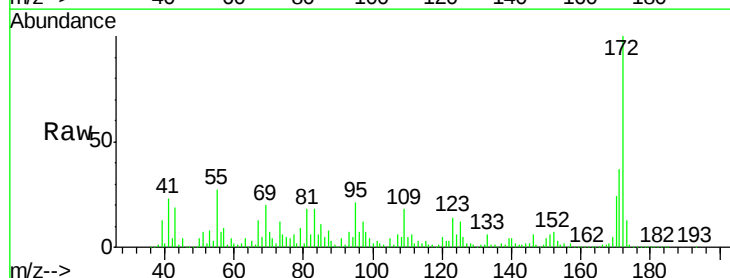
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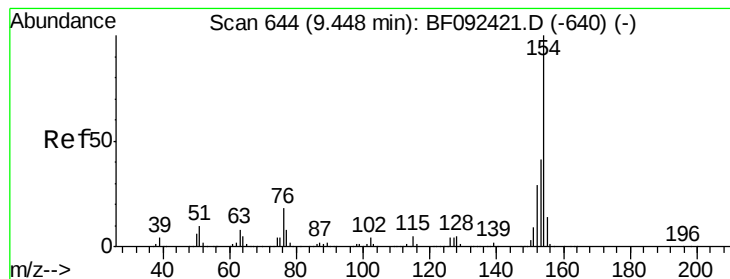
Tgt Ion:330 Resp: 113203
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.2
 141 30.9 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 55.43 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF092577.D
 Acq: 27 Jan 2017 15:11

Tgt Ion:172 Resp: 688336
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.1 20.2 30.4





#45

1,1'-Biphenyl

Concen: 4.21 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.19 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

Instrument :

BNA_F

ClientSampleId :

MW-12RE

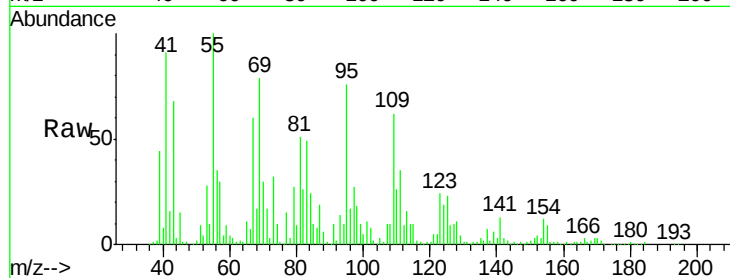
Tgt Ion:154 Resp: 69851

Ion Ratio Lower Upper

154 100

153 25.8 20.9 60.9

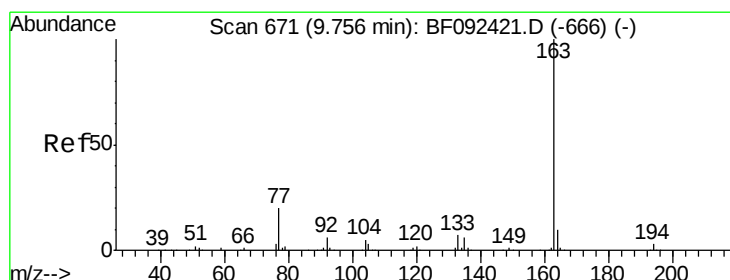
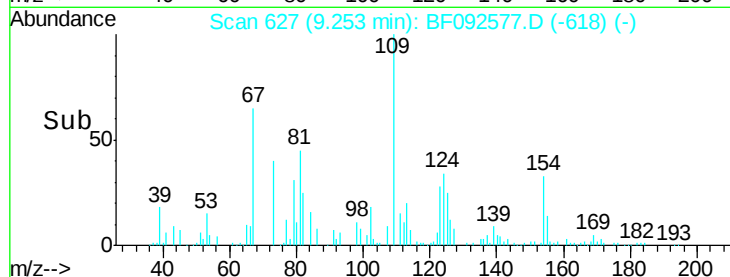
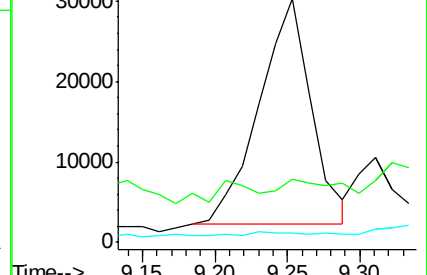
76 3.8 0.0 30.5



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: 3.38 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

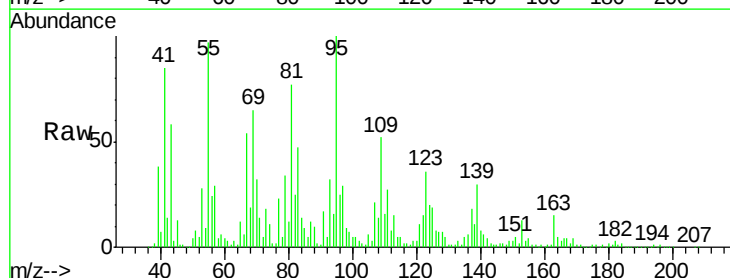
Tgt Ion:163 Resp: 49425

Ion Ratio Lower Upper

163 100

194 5.0 3.0 4.4#

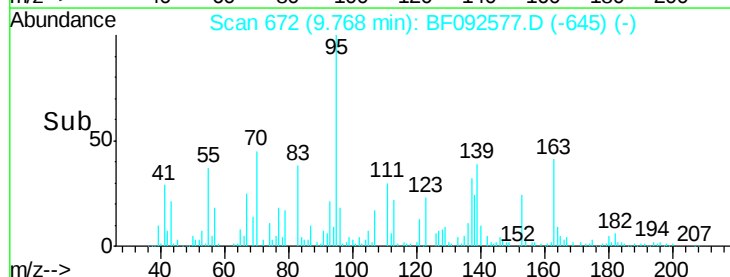
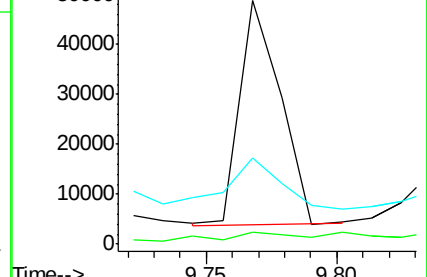
164 35.6 8.0 12.0#

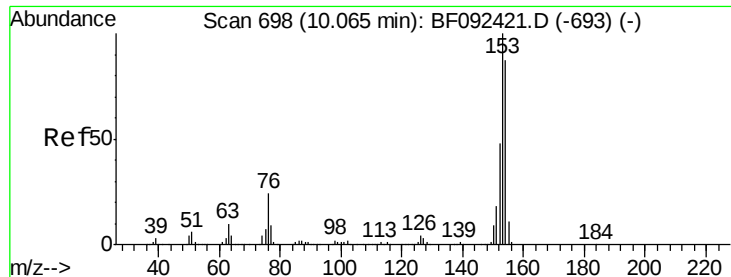


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.86 ng

RT: 10.06 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

Instrument :

BNA_F

ClientSampleId :

MW-12RE

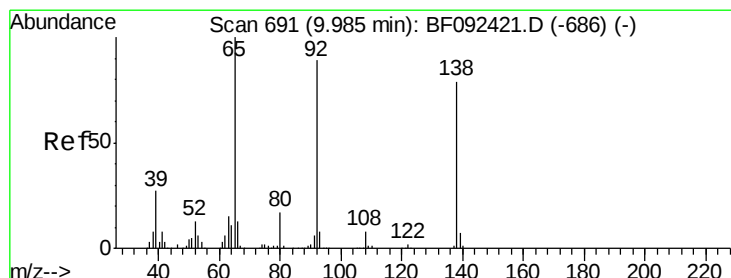
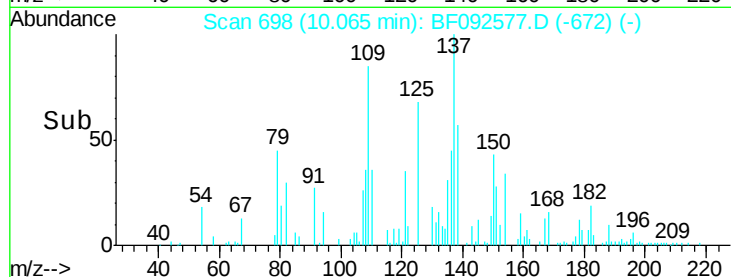
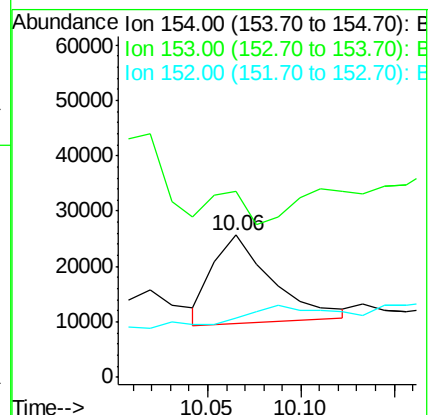
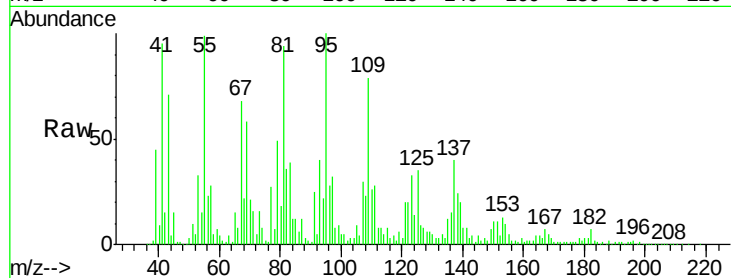
Tgt Ion:154 Resp: 35392

Ion Ratio Lower Upper

154 100

153 130.4 88.6 133.0

152 41.5 41.6 62.4#



#52

3-Nitroaniline

Concen: 23.63 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

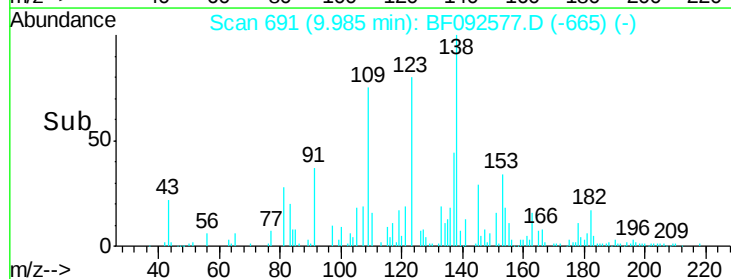
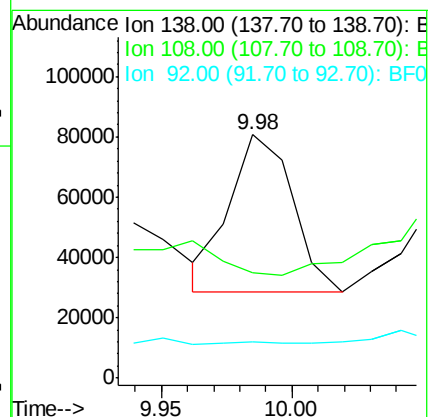
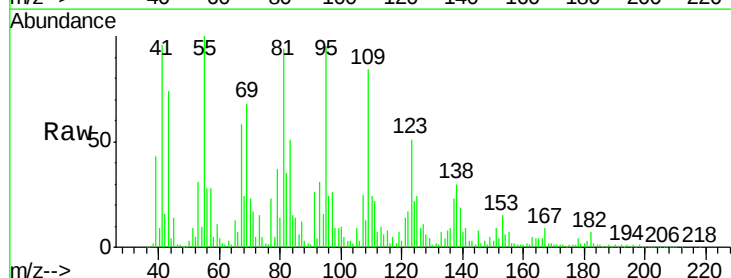
Tgt Ion:138 Resp: 88320

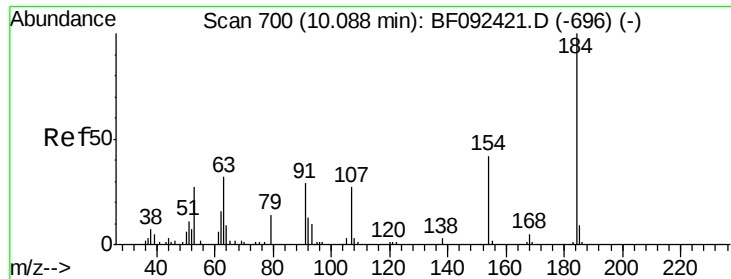
Ion Ratio Lower Upper

138 100

108 43.3 8.5 12.7#

92 14.8 97.8 146.8#

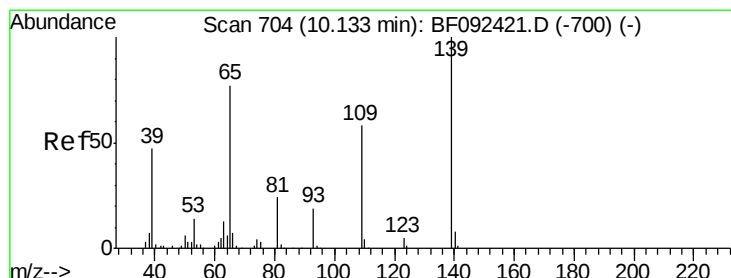
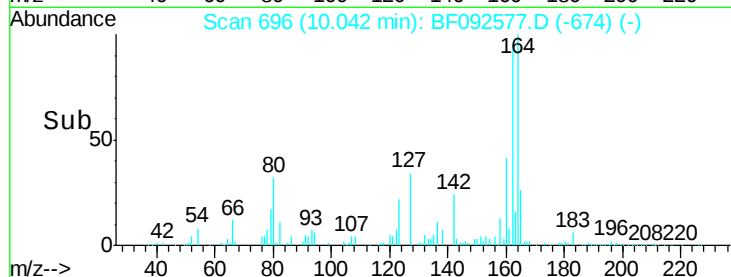
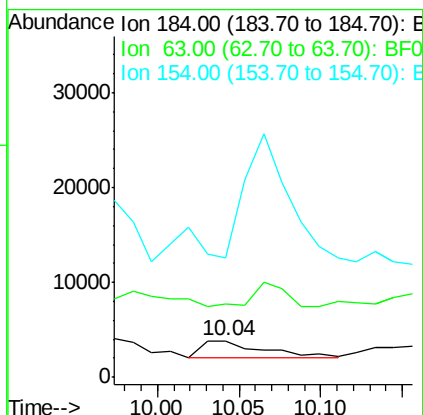
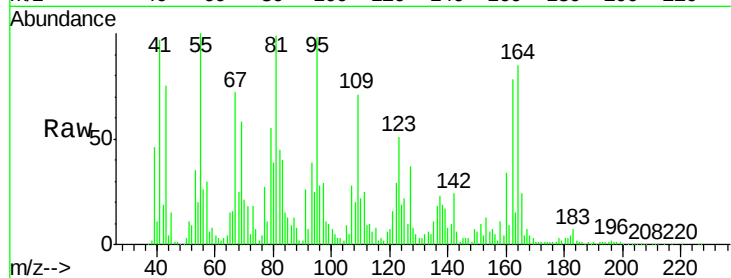




#53
2,4-Dinitrophenol
Concen: 7.56 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.05 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

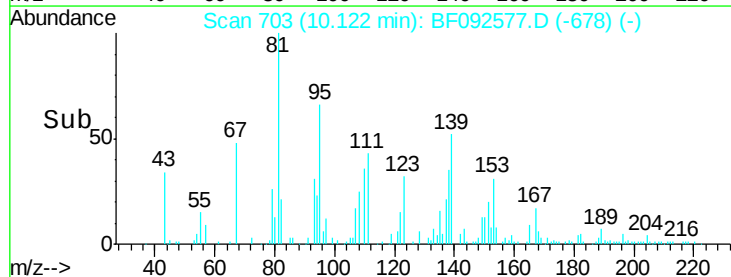
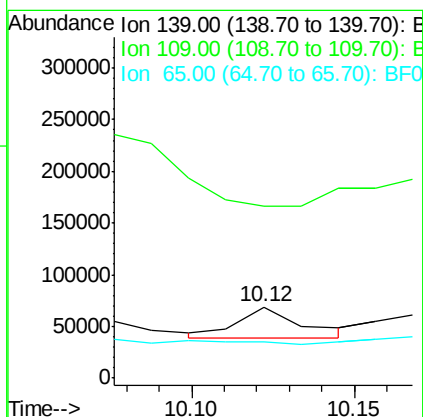
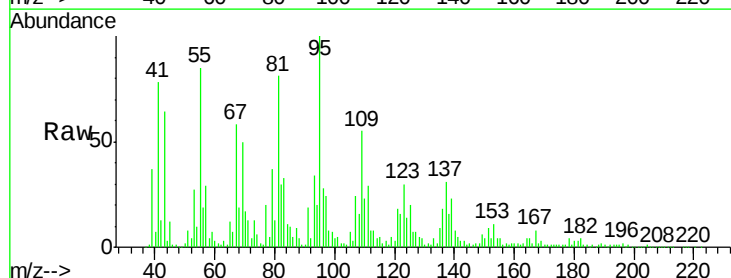
Instrument :
BNA_F
ClientSampleId :
MW-12RE

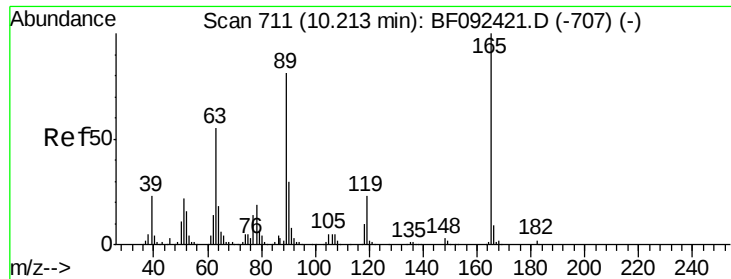
Tgt Ion:184 Resp: 4444
Ion Ratio Lower Upper
184 100
63 199.2 28.4 42.6#
154 326.6 44.3 66.5#



#55
4-Nitrophenol
Concen: 13.54 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion:139 Resp: 40195
Ion Ratio Lower Upper
139 100
109 242.6 52.2 92.2#
65 51.9 85.8 125.8#

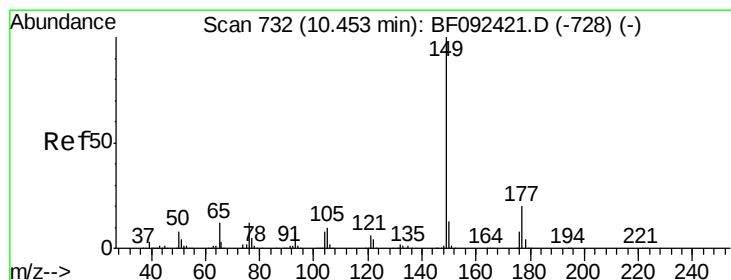
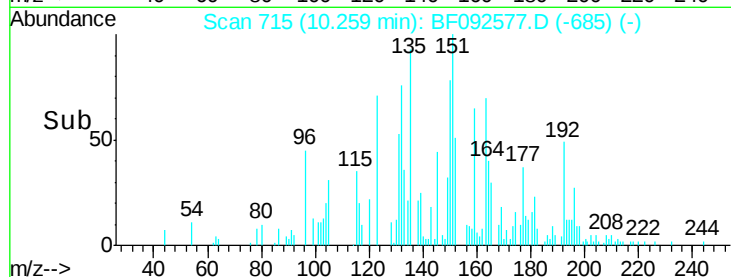
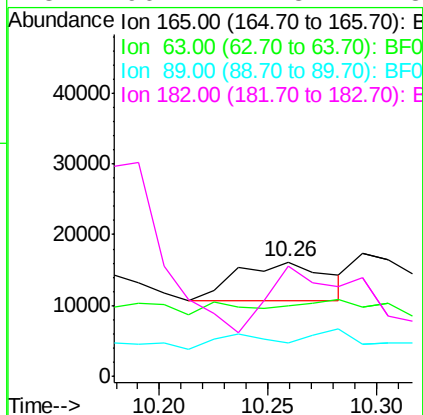
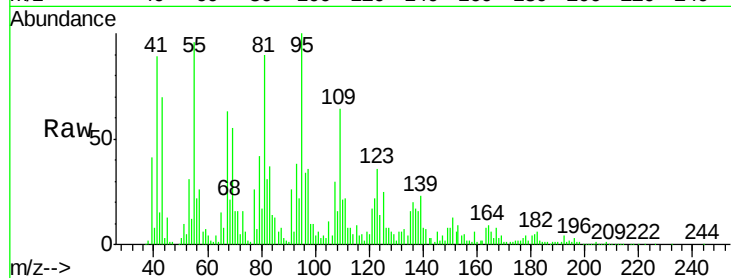




#56
2,4-Dinitrotoluene
Concen: 3.97 ng
RT: 10.26 min Scan# 715
Delta R.T. 0.05 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

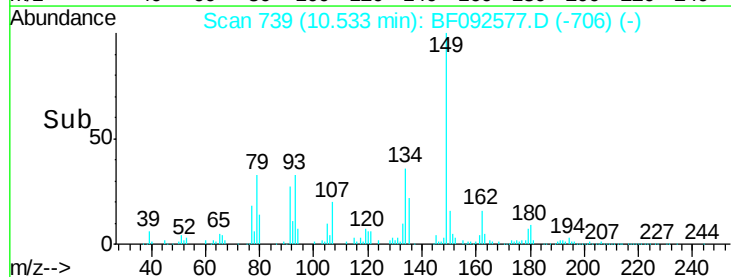
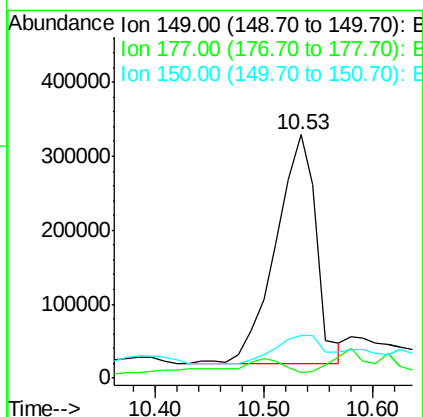
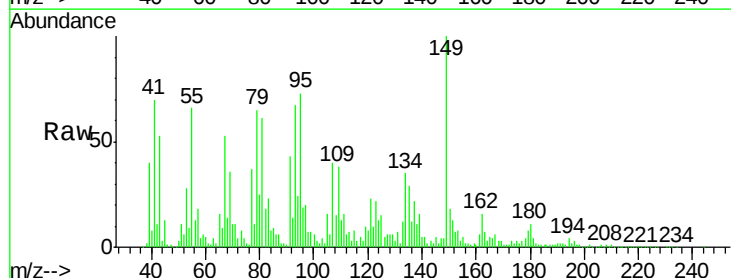
Instrument :
BNA_F
ClientSampleId :
MW-12RE

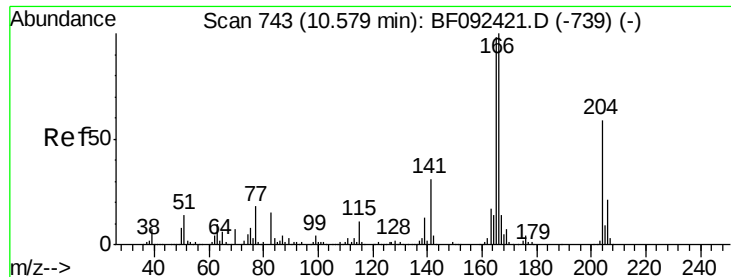
Tgt Ion:165 Resp: 15724
Ion Ratio Lower Upper
165 100
63 61.1 40.2 60.4#
89 29.4 62.5 93.7#
182 96.1 1.8 2.8#



#59
Diethylphthalate
Concen: 57.30 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.08 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion:149 Resp: 802360
Ion Ratio Lower Upper
149 100
177 2.5 16.6 25.0#
150 17.8 10.4 15.6#

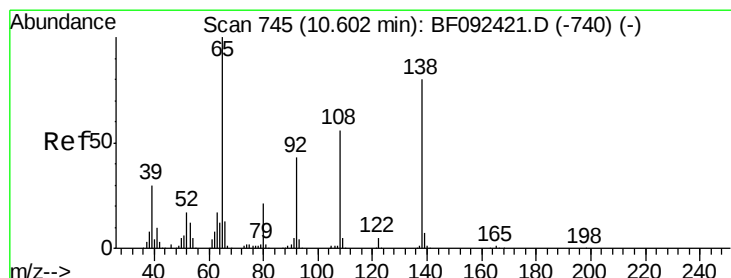
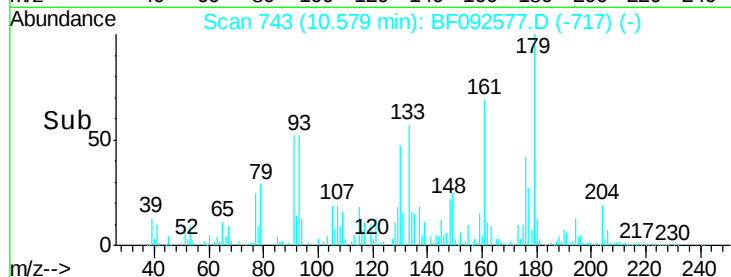
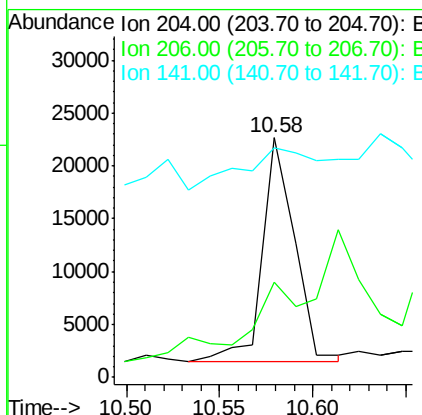
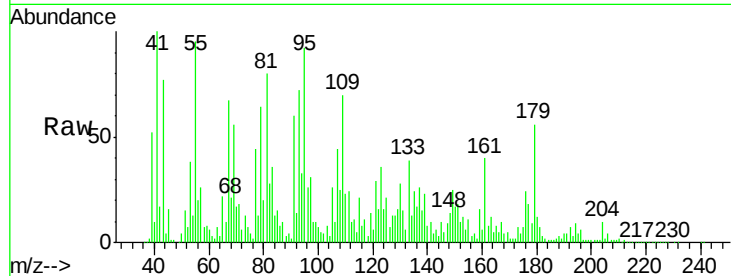




#60
4-Chlorophenyl-phenylether
Concen: 4.15 ng
RT: 10.58 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

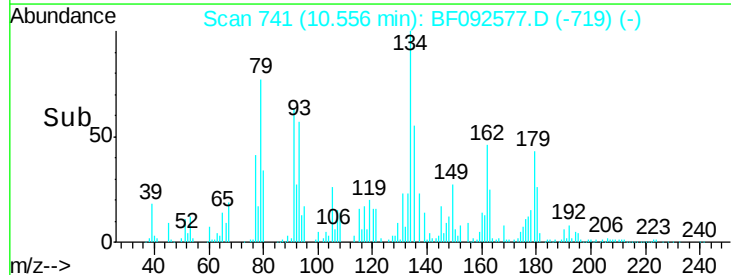
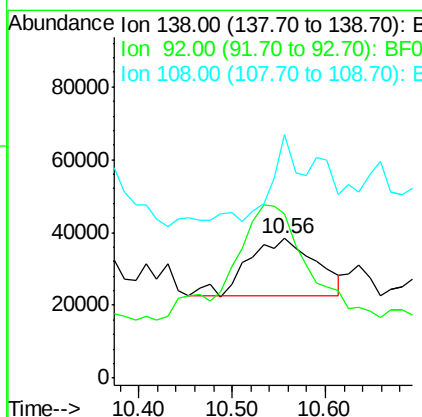
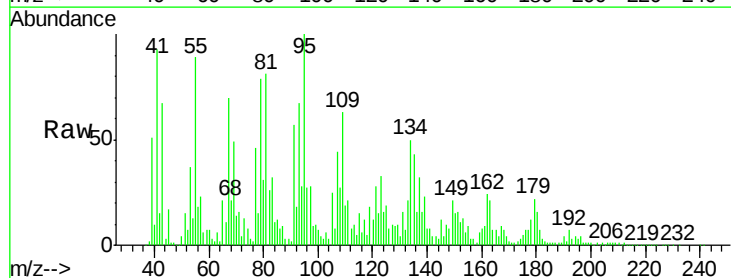
Instrument :
BNA_F
ClientSampleId :
MW-12RE

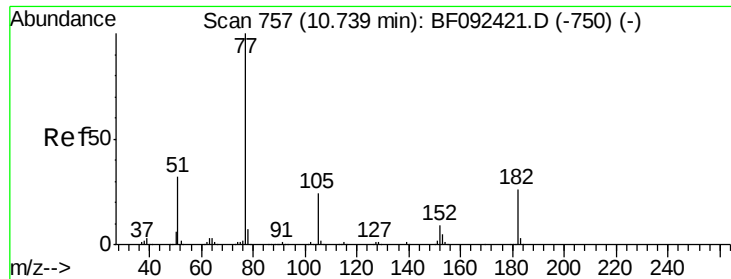
Tgt Ion:204 Resp: 25027
Ion Ratio Lower Upper
204 100
206 39.9 25.8 38.6#
141 95.6 59.4 89.0#



#61
4-Nitroaniline
Concen: 21.33 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.05 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion:138 Resp: 79749
Ion Ratio Lower Upper
138 100
92 117.4 31.7 71.7#
108 174.4 52.6 92.6#

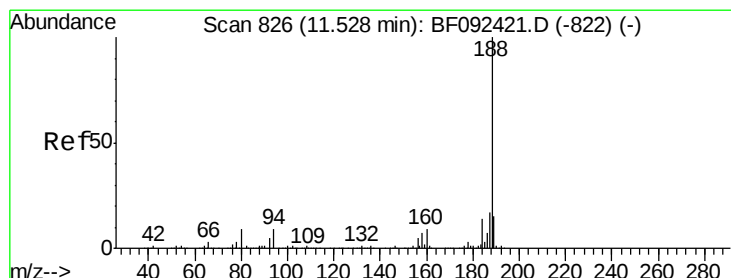
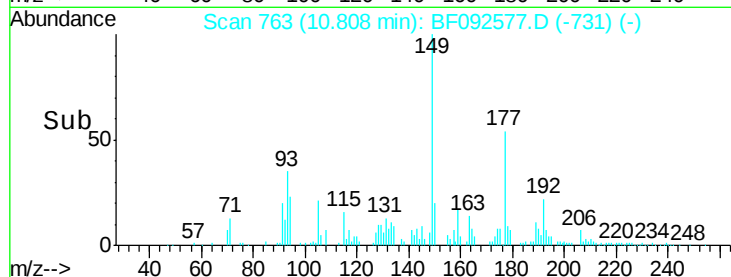
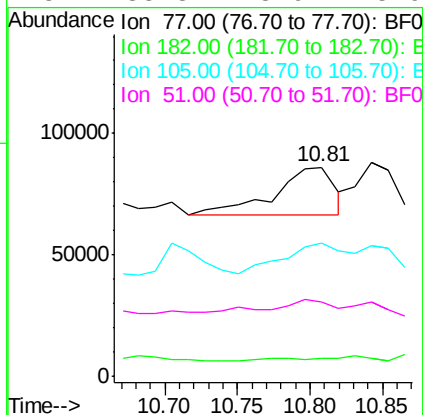
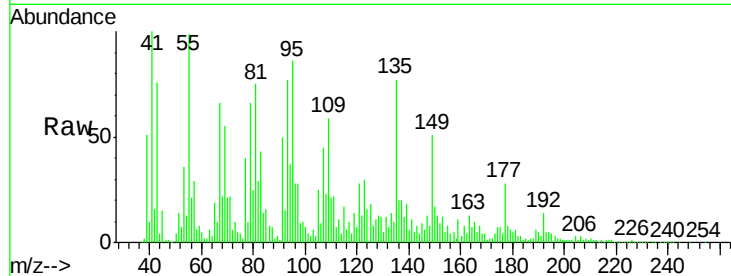




#62
Azobenzene
Concen: 3.59 ng
RT: 10.81 min Scan# 763
Delta R.T. 0.07 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

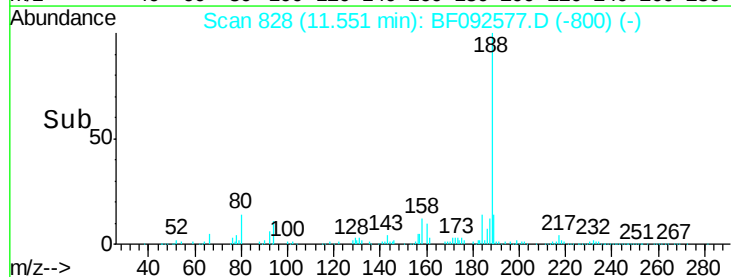
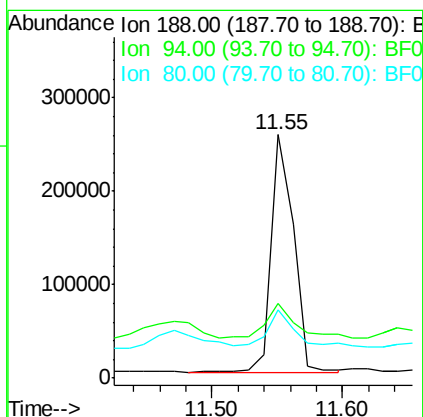
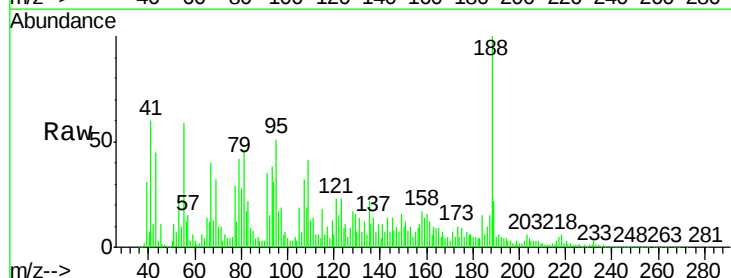
Instrument :
BNA_F
ClientSampleId :
MW-12RE

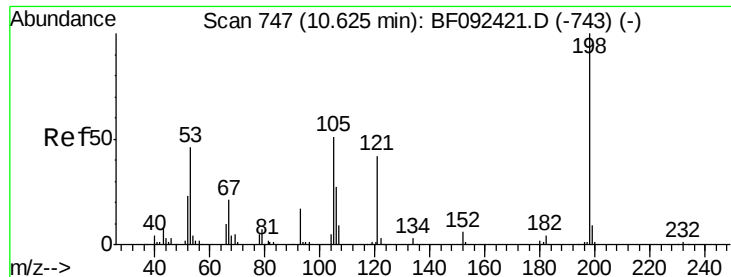
Tgt Ion: 77 Resp: 57227
Ion Ratio Lower Upper
77 100
182 8.6 0.0 39.3
105 64.0 2.3 42.3#
51 35.8 8.9 48.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.55 min Scan# 828
Delta R.T. 0.02 min
Lab File: BF092577.D
Acq: 27 Jan 2017 15:11

Tgt Ion: 188 Resp: 304831
Ion Ratio Lower Upper
188 100
94 30.8 10.0 15.0#
80 28.1 11.2 16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.22 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

Instrument :

BNA_F

ClientSampleId :

MW-12RE

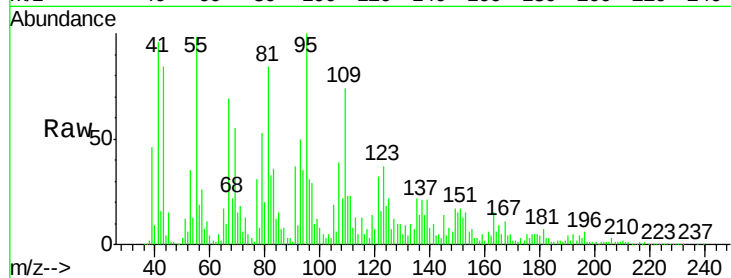
Tgt Ion:198 Resp: 497

Ion Ratio Lower Upper

198 100

51 922.7 6.7 46.7#

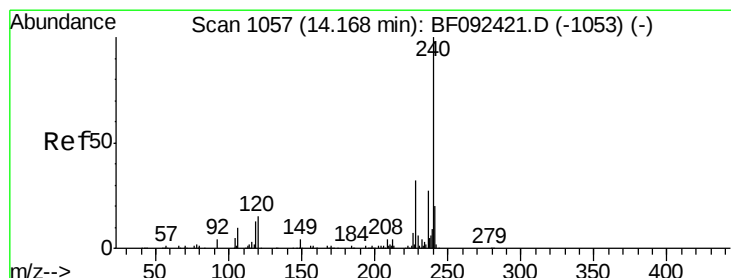
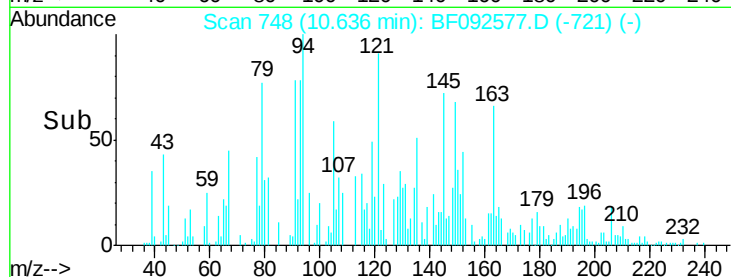
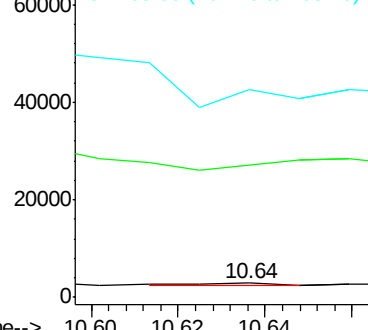
105 1444.4 16.6 56.6#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.20 min Scan# 1060

Delta R.T. 0.03 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

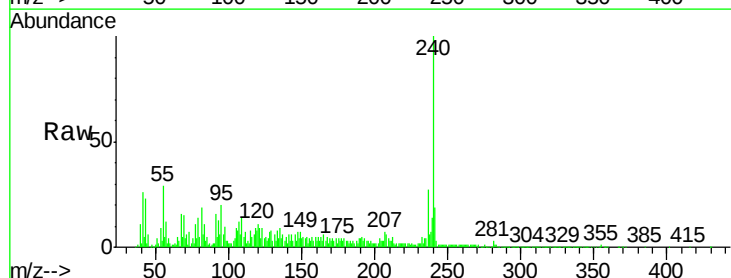
Tgt Ion:240 Resp: 353381

Ion Ratio Lower Upper

240 100

120 10.6 12.9 19.3#

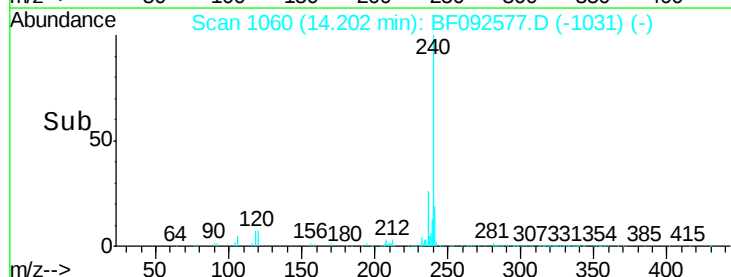
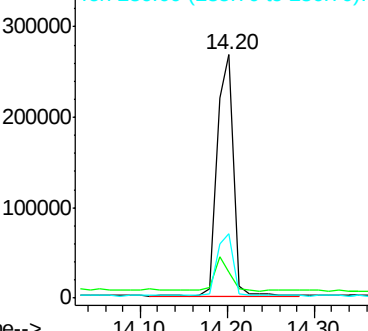
236 26.5 20.9 31.3

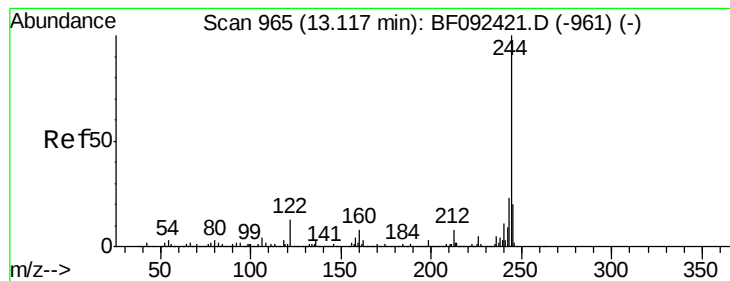


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 40.54 ng

RT: 13.14 min Scan# 967

Delta R.T. 0.02 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

Instrument :

BNA_F

ClientSampleId :

MW-12RE

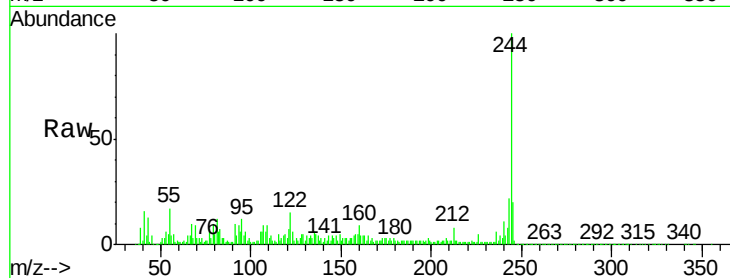
Tgt Ion:244 Resp: 538013

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

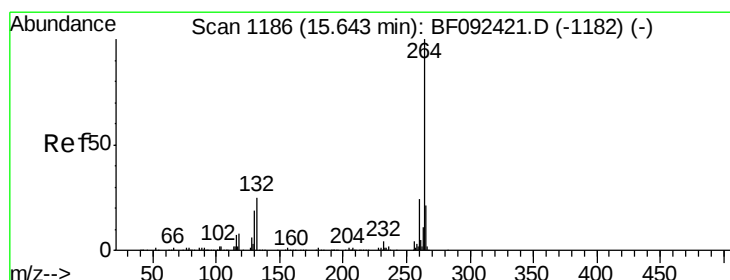
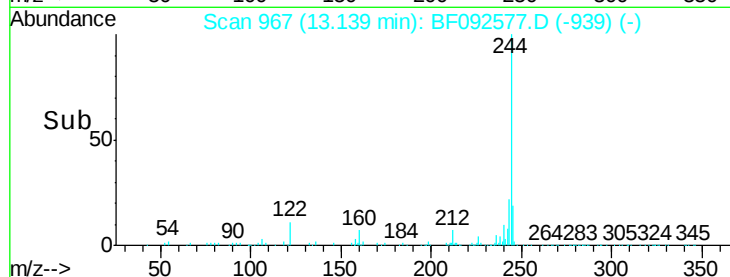
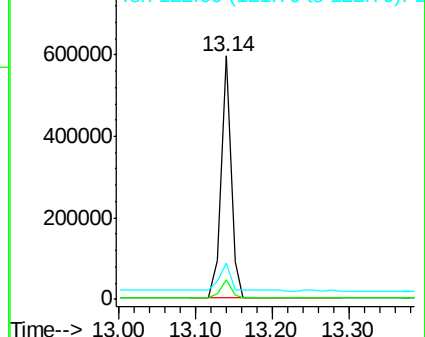
122 14.8 11.4 17.2



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: 15.70 min Scan# 1191

Delta R.T. 0.06 min

Lab File: BF092577.D

Acq: 27 Jan 2017 15:11

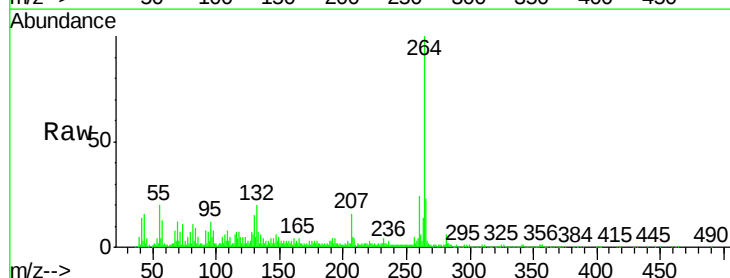
Tgt Ion:264 Resp: 275964

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.8 17.4 26.0



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

