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 Data File : BF091046.D
 Acq On : 5 Nov 2016 3:03
 Operator : UM/SJ
 Sample : H5502-07RE
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-82-4.5-5.0RE

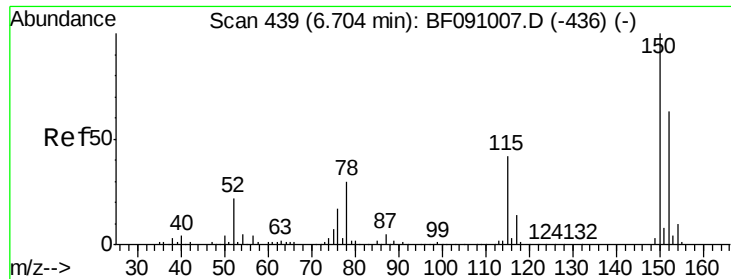
Quant Time: Nov 05 02:32:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	141063	20.00	ng	0.01
21) Naphthalene-d8	8.00	136	451492	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	265817	20.00	ng	0.01
63) Phenanthrene-d10	11.24	188	309922	20.00	ng	0.01
75) Chrysene-d12	13.87	240	360319	20.00	ng	0.01
86) Perylene-d12	15.25	264	285916	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	965595	113.05	ng	0.01
7) Phenol-d6	6.36	99	922685	79.59	ng	0.01
23) Nitrobenzene-d5	7.28	82	707848	85.52	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	252018	104.87	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	905020	58.62	ng	0.01
78) Terphenyl-d14	12.83	244	926954	64.20	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	32251	5.01	ng	82
15) Benzyl Alcohol	6.86	79	23941	2.93	ng	# 47
19) n-Nitroso-di-n-propylamine	7.16	70	399404	49.72	ng	# 55
22) Acetophenone	7.12	105	32022	3.08	ng	# 1
25) Isophorone	7.53	82	42676	2.68	ng	# 1
26) 2-Nitrophenol	7.64	139	14453	3.74	ng	# 1
32) Benzoic acid	7.79	122	1143	5.28	ng	# 1
33) 4-Chloroaniline	8.03	127	39520	4.40	ng	# 70
35) Caprolactam	8.45	113	47131	26.87	ng	# 1
42) 2,4,6-Trichlorophenol	9.01	196	9715	2.22	ng	# 13
43) 2,4,5-Trichlorophenol	9.01	196	9715	2.11	ng	# 1
45) 1,1'-Biphenyl	9.18	154	45130	2.33	ng	# 28
49) Dimethylphthalate	9.48	163	337800	19.38	ng	# 96
50) 2,6-Dinitrotoluene	9.52	165	20518	5.49	ng	# 25
52) 3-Nitroaniline	9.71	138	19603	4.43	ng	# 41
53) 2,4-Dinitrophenol	9.80	184	1522	6.95	ng	# 1
54) Dibenzofuran	9.80	168	44107	2.27	ng	97
55) 4-Nitrophenol	9.86	139	2562	6.54	ng	# 1
56) 2,4-Dinitrotoluene	9.94	165	33528	7.05	ng	# 49
61) 4-Nitroaniline	10.21	138	11126	2.48	ng	84
65) n-Nitrosodiphenylamine	10.42	169	68636	6.97	ng	# 52
66) 4-Bromophenyl-phenylether	10.81	248	9475	2.94	ng	# 1
68) Atrazine	10.97	200	18981	6.68	ng	# 1
69) Pentachlorophenol	11.09	266	4160	2.64	ng	# 27
70) Phenanthrene	11.26	178	40077	2.43	ng	# 18
83) Bis(2-ethylhexyl)phthalate	13.86	149	34214	2.24	ng	# 84

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

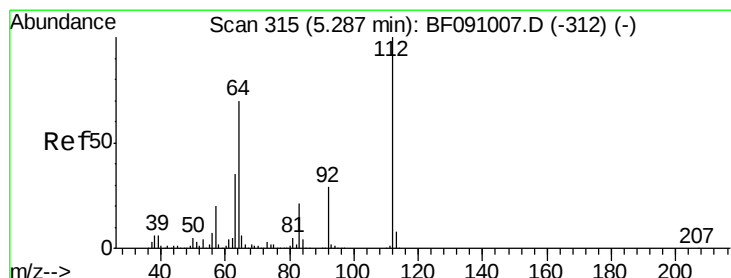
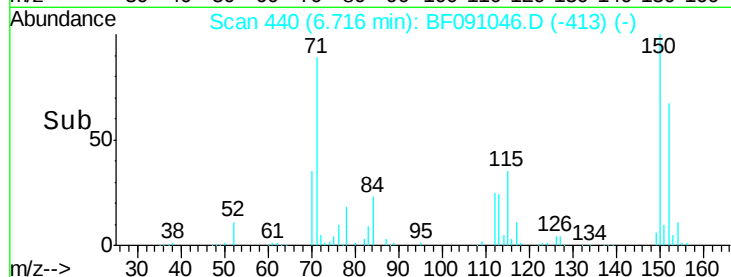
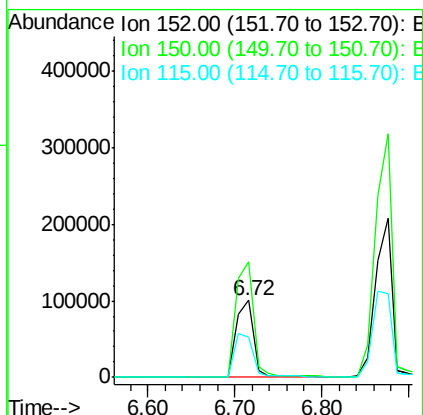
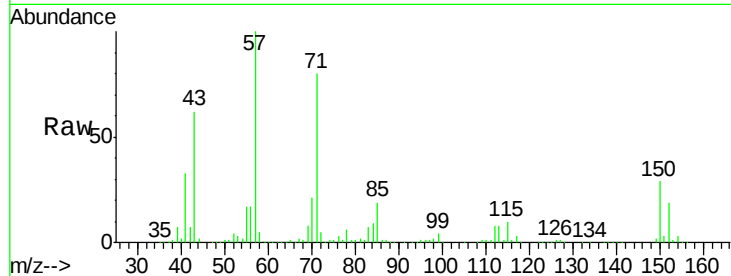


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 440
Delta R.T. 0.01 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

Instrument :
BNA_F
ClientSampleId :
SB-82-4.5-5.0RE

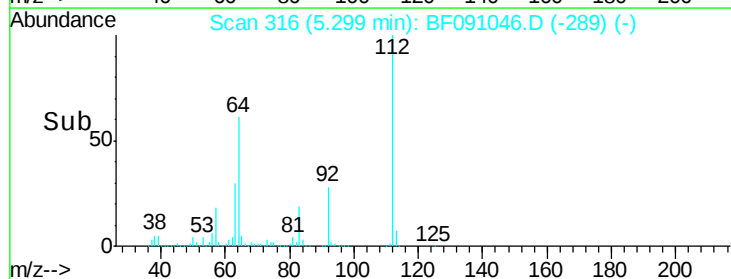
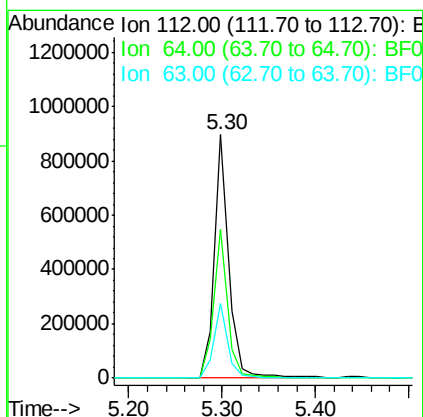
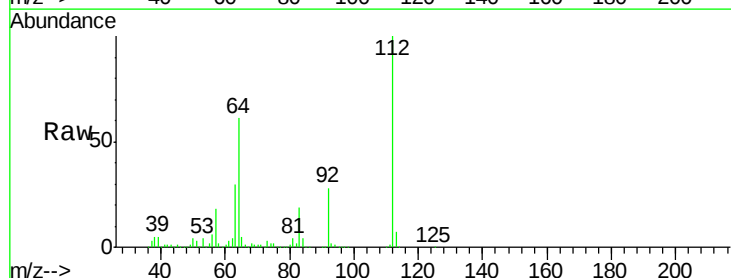
Tgt Ion:152 Resp: 141063
Ion Ratio Lower Upper
152 100
150 149.2 126.8 190.2
115 52.3 53.3 79.9#

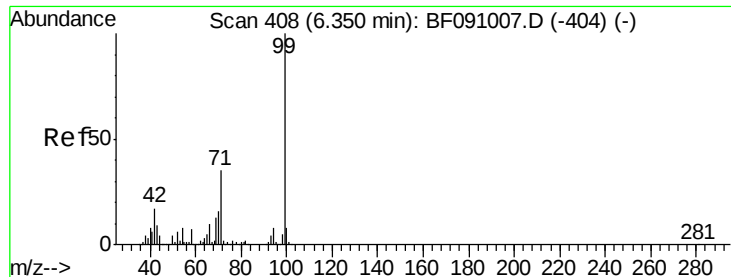


#5

2-Fluorophenol
Concen: 113.05 ng
RT: 5.30 min Scan# 316
Delta R.T. 0.01 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

Tgt Ion:112 Resp: 965595
Ion Ratio Lower Upper
112 100
64 61.3 55.8 83.6
63 30.5 28.0 42.0





#7

Phenol-d6

Concen: 79.59 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

Instrument :

BNA_F

ClientSampleId :

SB-82-4.5-5.0RE

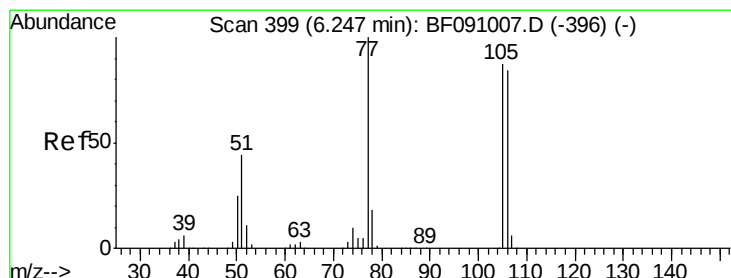
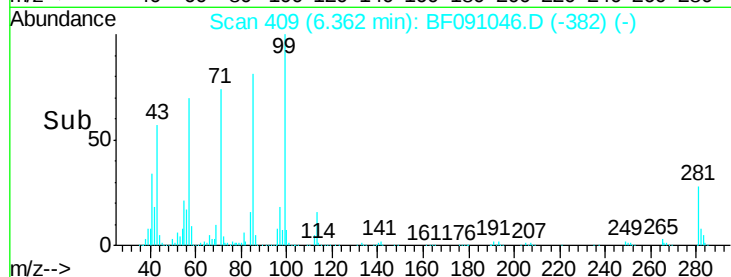
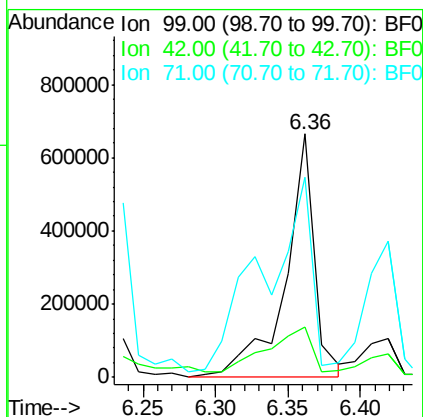
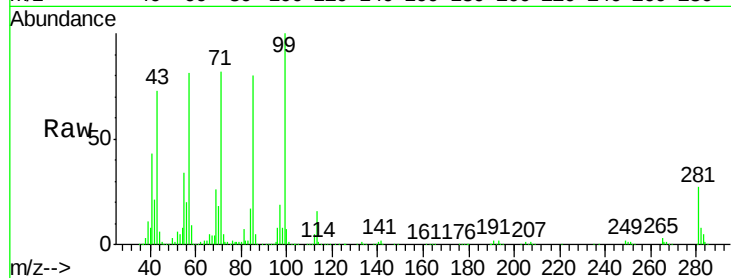
Tgt Ion: 99 Resp: 922685

Ion Ratio Lower Upper

99 100

42 20.6 13.9 20.9

71 82.2 27.8 41.8#



#9

Benzaldehyde

Concen: 5.01 ng

RT: 6.49 min Scan# 420

Delta R.T. 0.24 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

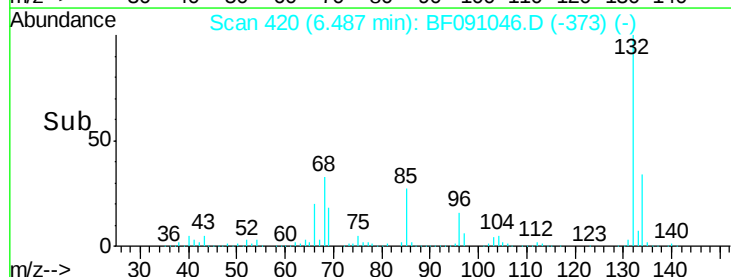
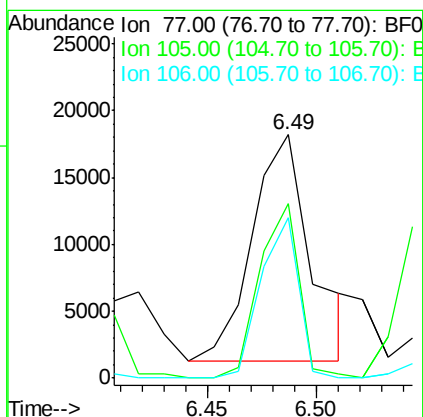
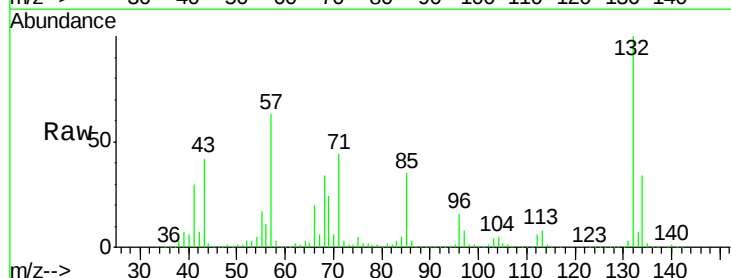
Tgt Ion: 77 Resp: 32251

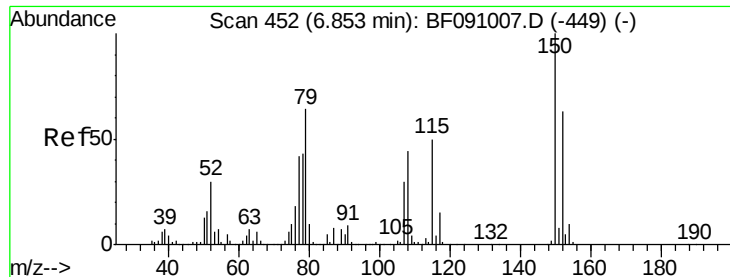
Ion Ratio Lower Upper

77 100

105 71.6 66.8 106.8

106 65.8 64.0 104.0





#15

Benzyl Alcohol

Concen: 2.93 ng

RT: 6.86 min Scan# 453

Delta R.T. 0.01 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

Instrument :

BNA_F

ClientSampleId :

SB-82-4.5-5.0RE

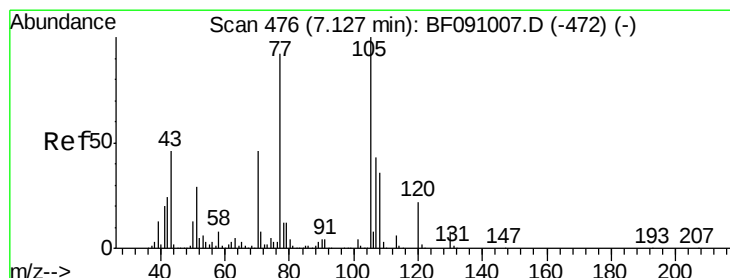
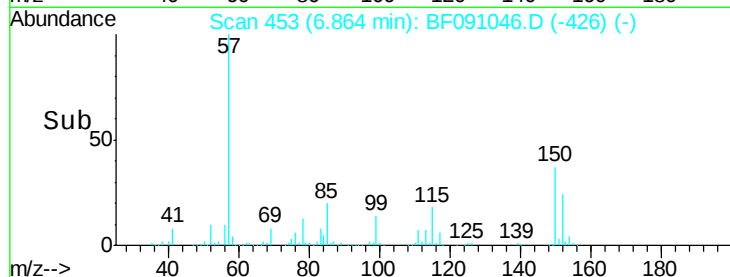
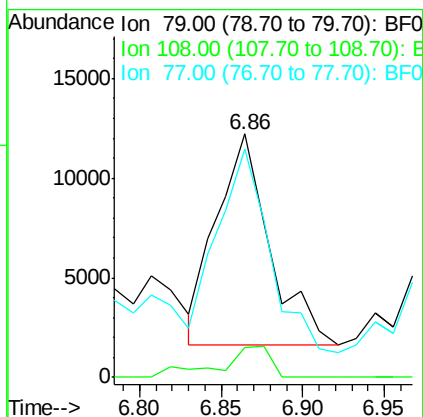
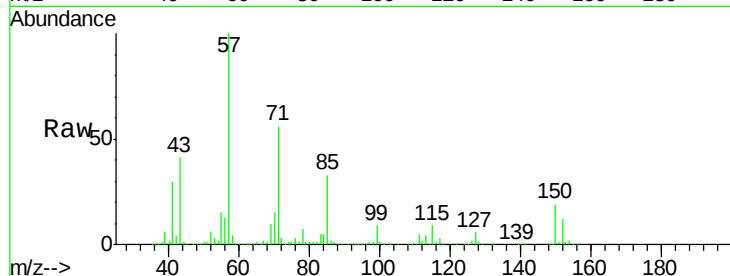
Tgt Ion: 79 Resp: 23941

Ion Ratio Lower Upper

79 100

108 12.1 55.7 83.5#

77 93.9 52.6 79.0#



#19

n-Nitroso-di-n-propylamine

Concen: 49.72 ng

RT: 7.16 min Scan# 479

Delta R.T. 0.03 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

Tgt Ion: 70 Resp: 399404

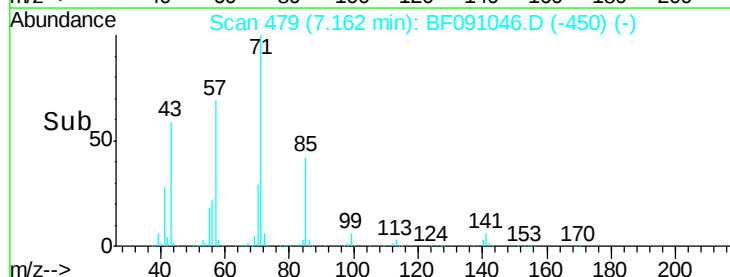
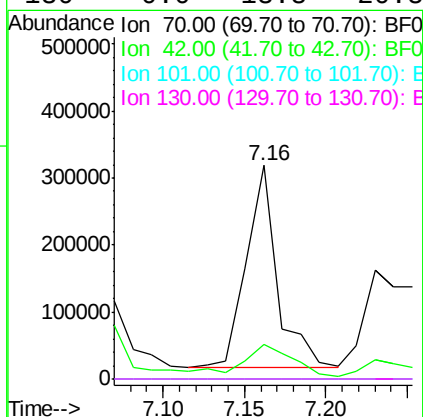
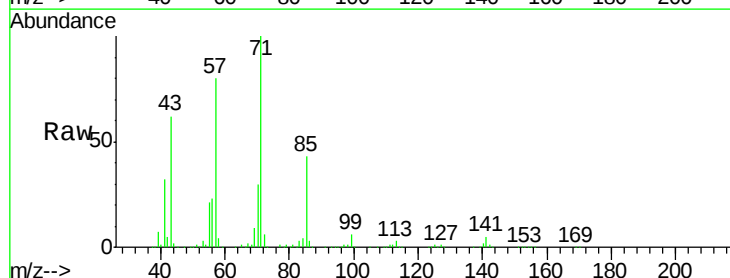
Ion Ratio Lower Upper

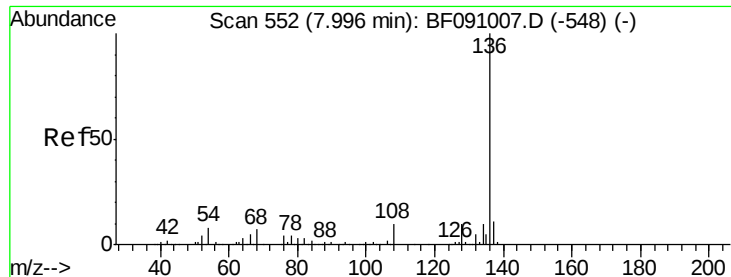
70 100

42 16.3 41.7 62.5#

101 0.0 6.7 10.1#

130 0.0 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

Instrument :

BNA_F

ClientSampleId :

SB-82-4.5-5.0RE

Tgt Ion:136 Resp: 451492

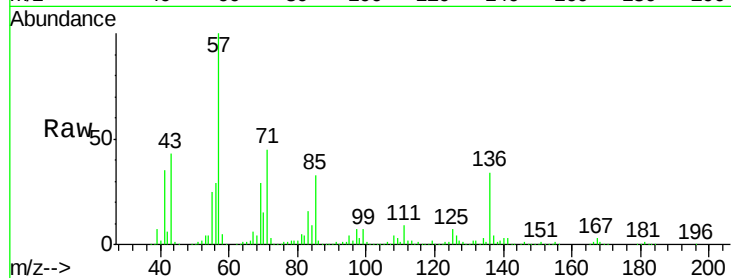
Ion Ratio Lower Upper

136 100

137 11.9 8.9 13.3

54 11.5 6.2 9.2#

68 13.0 5.5 8.3#

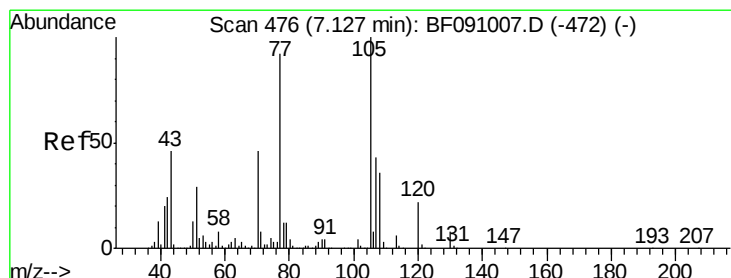
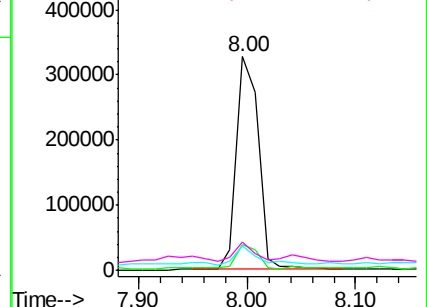
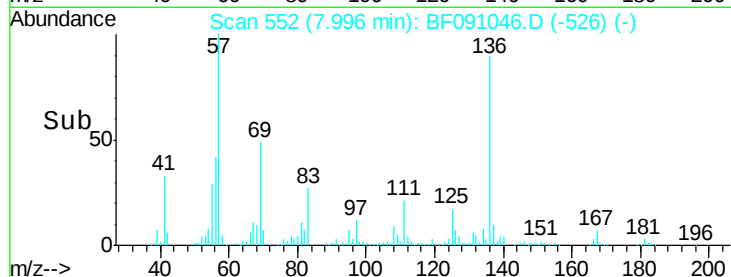


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 3.08 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

Tgt Ion:105 Resp: 32022

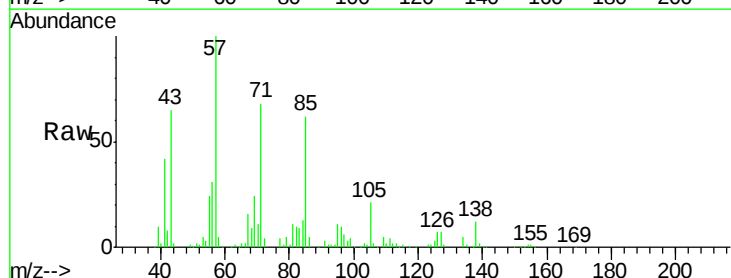
Ion Ratio Lower Upper

105 100

71 328.8 6.2 9.2#

51 8.2 23.3 34.9#

120 0.0 17.4 26.0#

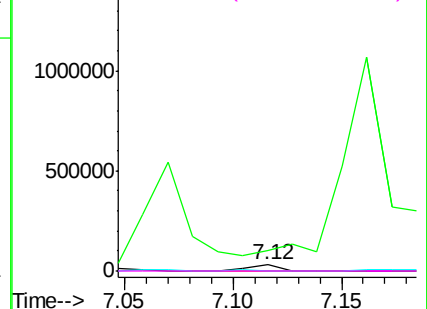
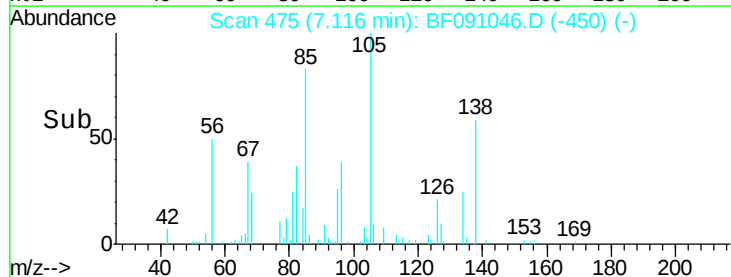


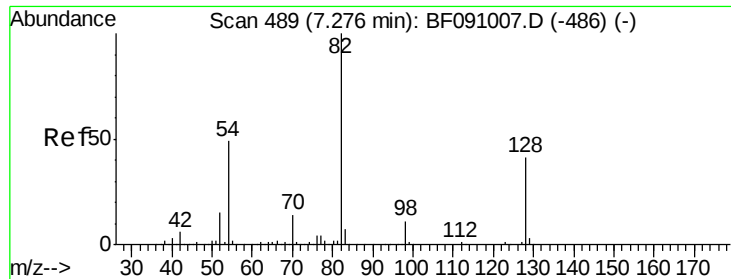
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

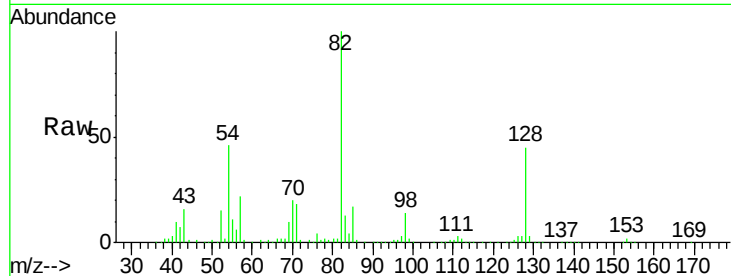




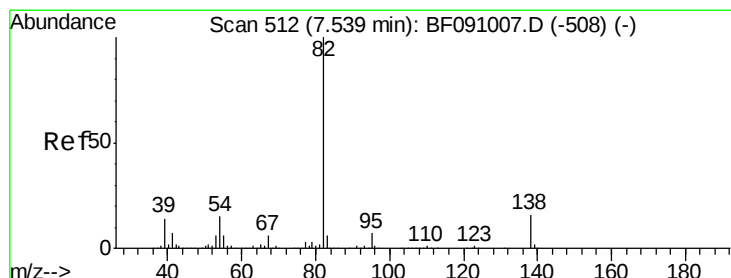
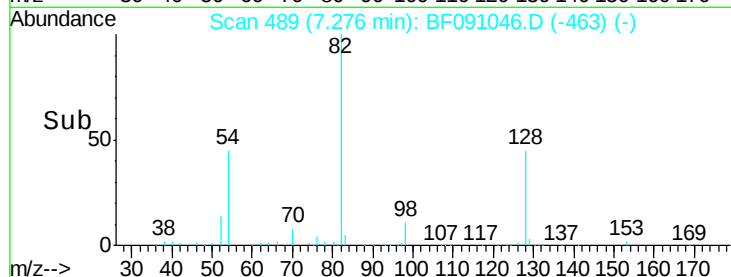
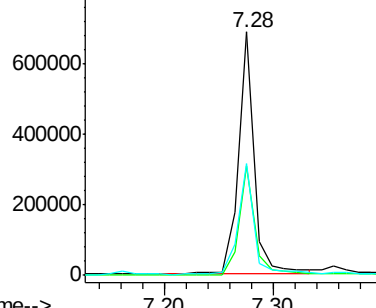
#23
Nitrobenzene-d5
Concen: 85.52 ng
RT: 7.28 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

Instrument :
BNA_F
ClientSampleId :
SB-82-4.5-5.0RE

Tgt Ion: 82 Resp: 707848
Ion Ratio Lower Upper
82 100
128 44.9 32.4 48.6
54 46.0 39.2 58.8

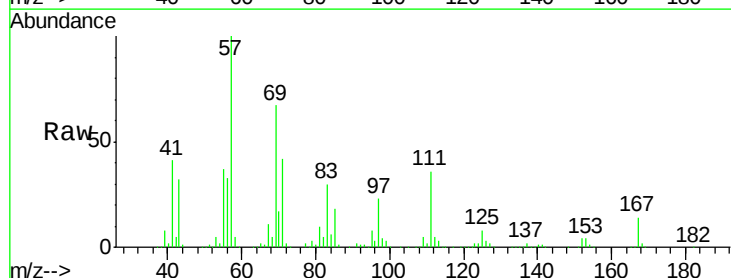


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

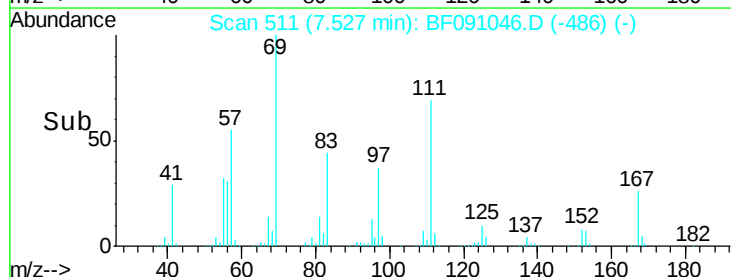
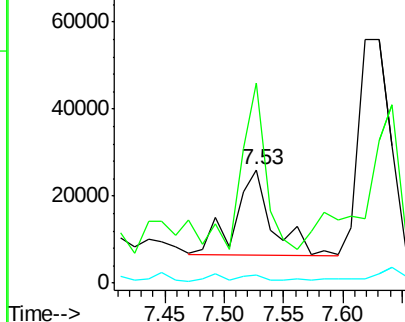


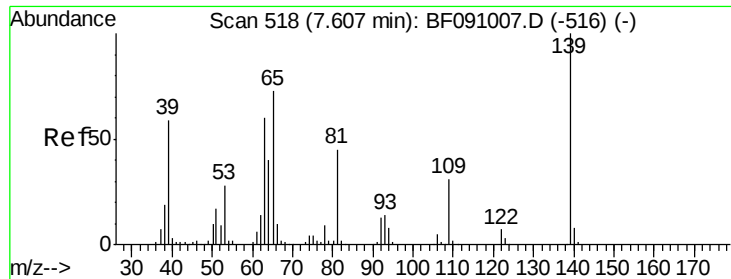
#25
Isophorone
Concen: 2.68 ng
RT: 7.53 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

Tgt Ion: 82 Resp: 42676
Ion Ratio Lower Upper
82 100
95 175.9 5.4 8.0#
138 7.5 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

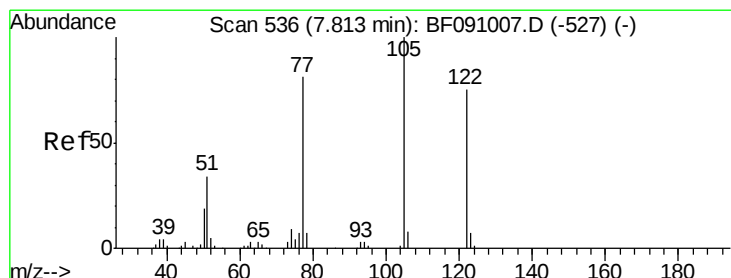
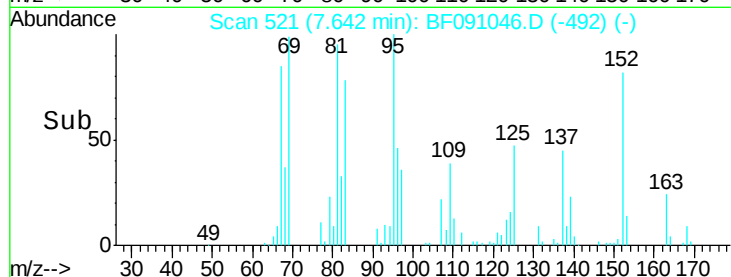
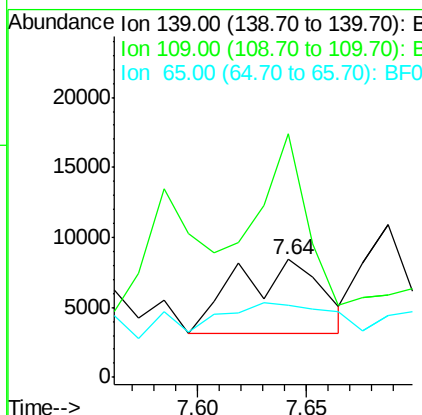
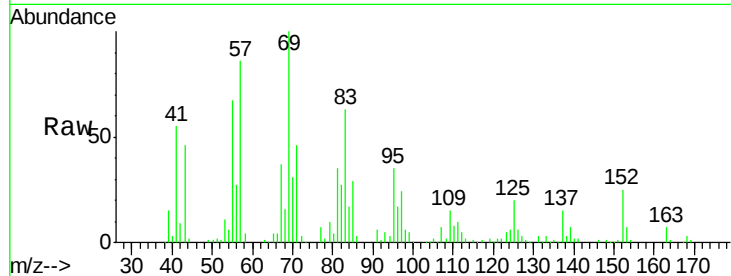




#26
2-Nitrophenol
Concen: 3.74 ng
RT: 7.64 min Scan# 521
Delta R.T. 0.03 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

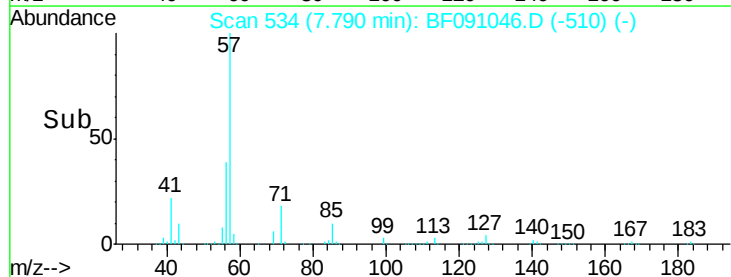
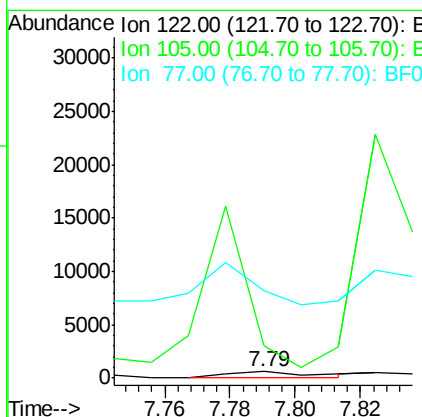
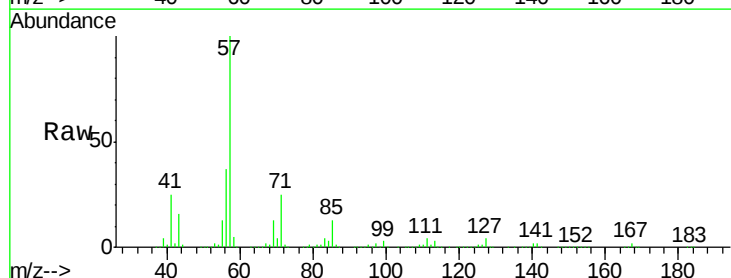
Instrument :
BNA_F
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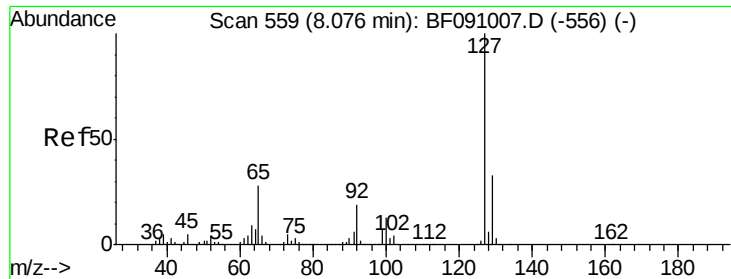
Tgt Ion:139 Resp: 14453
Ion Ratio Lower Upper
139 100
109 207.1 24.7 37.1#
65 61.0 58.3 87.5



#32
Benzoic acid
Concen: 5.28 ng
RT: 7.79 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

Tgt Ion:122 Resp: 1143
Ion Ratio Lower Upper
122 100
105 488.5 105.9 145.9#
77 1299.4 84.0 124.0#

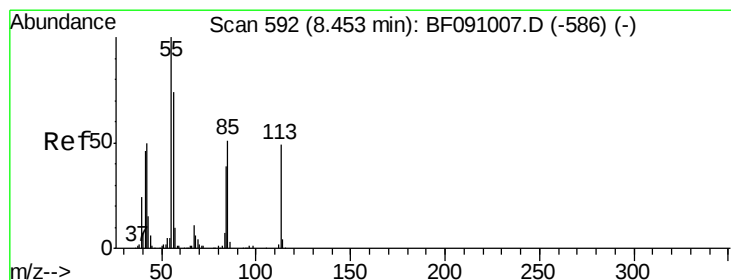
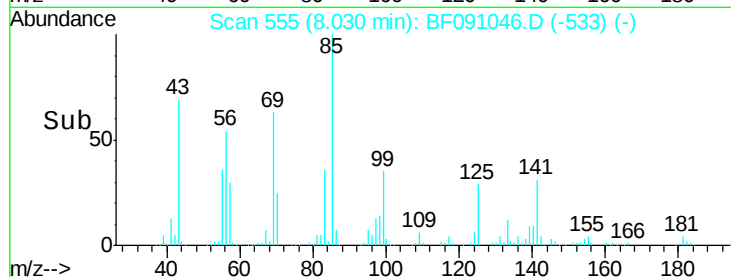
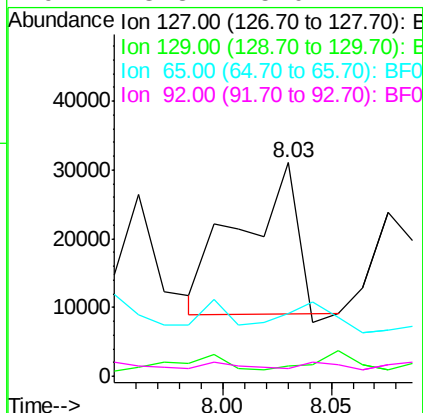
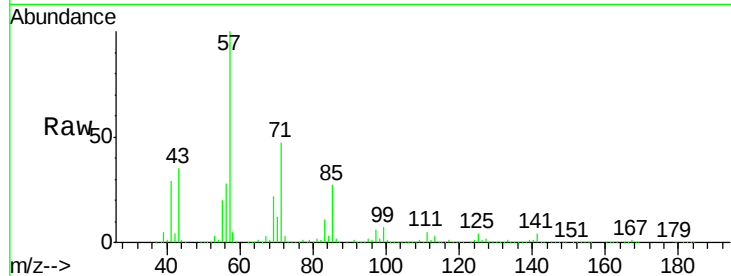




#33
4-Chloroaniline
Concen: 4.40 ng
RT: 8.03 min Scan# 555
Delta R.T. -0.05 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

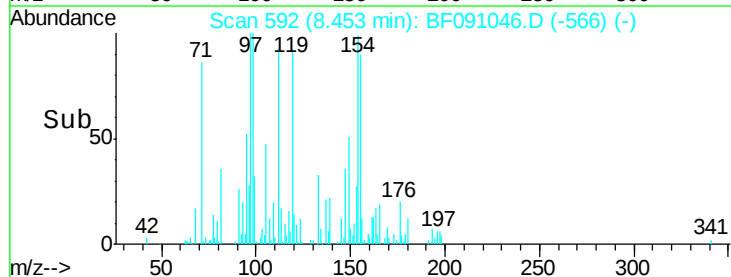
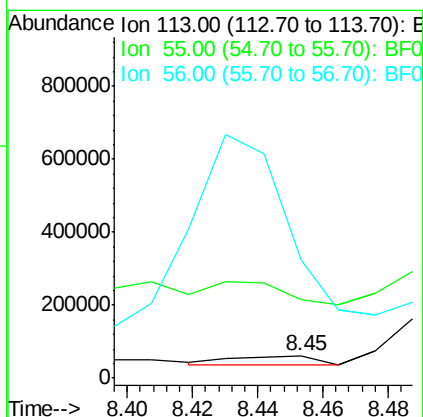
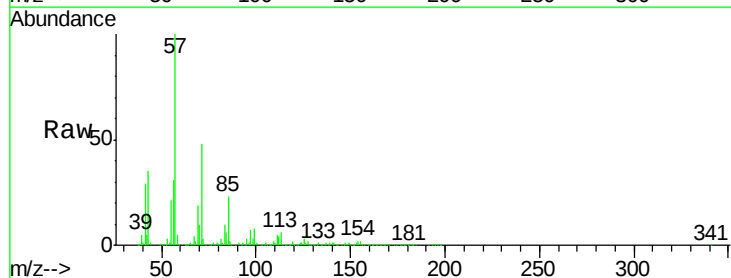
Instrument :
BNA_F
ClientSampleId :
SB-82-4.5-5.0RE

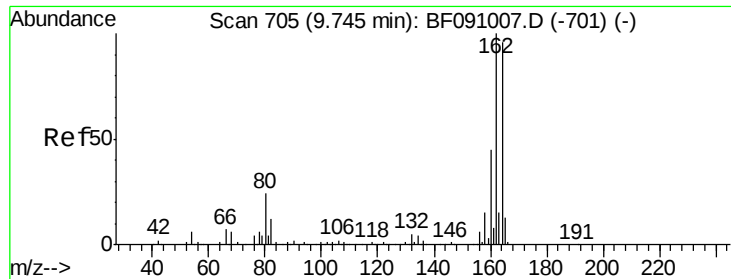
Tgt Ion:	127	Resp:	39520
Ion Ratio	Lower	Upper	
127	100		
129	5.0	26.6	39.8#
65	29.4	22.2	33.2
92	3.3	15.0	22.4#



#35
Caprolactam
Concen: 26.87 ng
RT: 8.45 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF091046.D
Acq: 5 Nov 2016 3:03

Tgt Ion:	113	Resp:	47131
Ion Ratio	Lower	Upper	
113	100		
55	346.5	184.1	224.1#
56	524.2	132.0	172.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

Instrument :

BNA_F

ClientSampleId :

SB-82-4.5-5.0RE

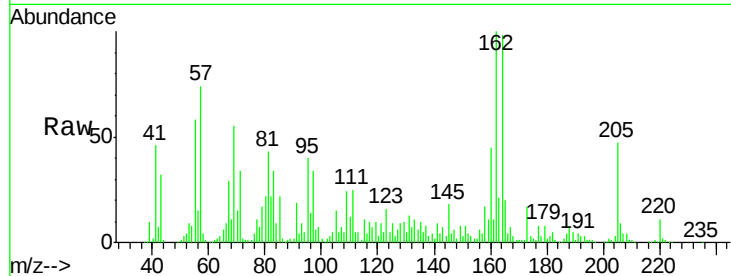
Tgt Ion:164 Resp: 265817

Ion Ratio Lower Upper

164 100

162 102.1 83.6 125.4

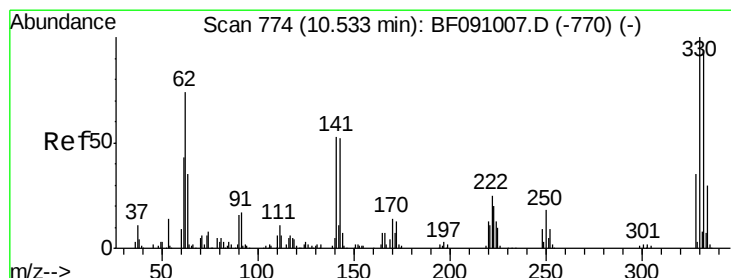
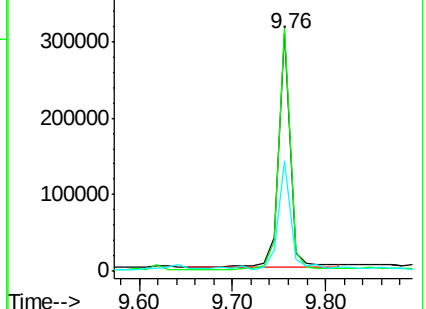
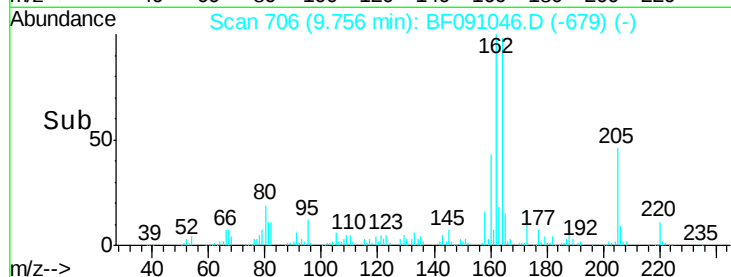
160 46.4 37.9 56.9



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: 104.87 ng

RT: 10.54 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF091046.D

Acq: 5 Nov 2016 3:03

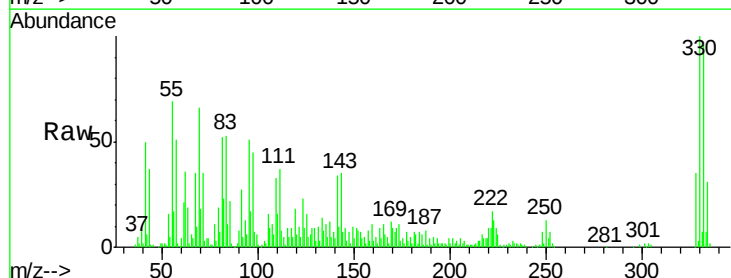
Tgt Ion:330 Resp: 252018

Ion Ratio Lower Upper

330 100

332 96.2 75.9 113.9

141 27.0 36.1 54.1#



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

