

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
 Data File : BF091225.D
 Acq On : 17 Nov 2016 21:10
 Operator : UM/SJ
 Sample : H5681-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WQ-1W

Quant Time: Nov 18 03:08:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

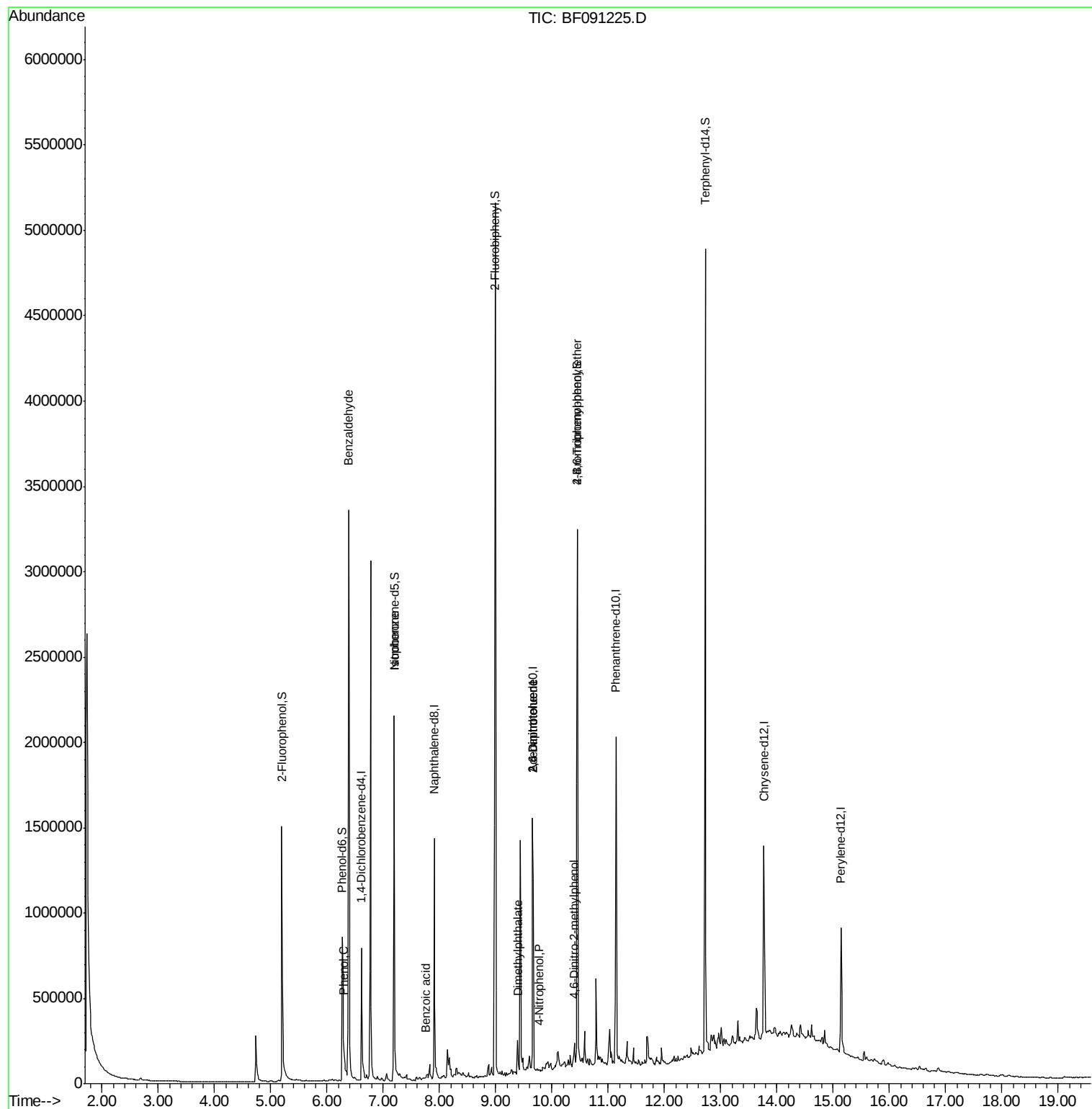
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	178142	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	741262	20.00	ng	-0.05
38) Acenaphthene-d10	9.65	164	404980	20.00	ng	-0.05
63) Phenanthrene-d10	11.14	188	688485	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	428523	20.00	ng	-0.05
86) Perylene-d12	15.14	264	333096	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	570102	52.85	ng	-0.05
7) Phenol-d6	6.27	99	507063	34.63	ng	-0.05
23) Nitrobenzene-d5	7.20	82	992912	73.07	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	468504	127.96	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	1716357	72.96	ng	-0.05
78) Terphenyl-d14	12.73	244	1585329	92.32	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.38	77	23524	2.89	ng	83
10) Phenol	6.29	94	41435	2.56	ng	# 70
25) Isophorone	7.20	82	964490	36.84	ng	# 67
32) Benzoic acid	7.76	122	3156	5.42	ng	# 82
49) Dimethylphthalate	9.39	163	69468	2.62	ng	99
50) 2,6-Dinitrotoluene	9.65	165	53218	9.35	ng	# 13
55) 4-Nitrophenol	9.78	139	156	5.76	ng	# 13
56) 2,4-Dinitrotoluene	9.65	165	53738	7.42	ng	# 28
64) 4,6-Dinitro-2-methylphenol	10.40	198	15967	3.79	ng	75
66) 4-Bromophenyl-phenylether	10.45	248	32905	4.59	ng	# 1

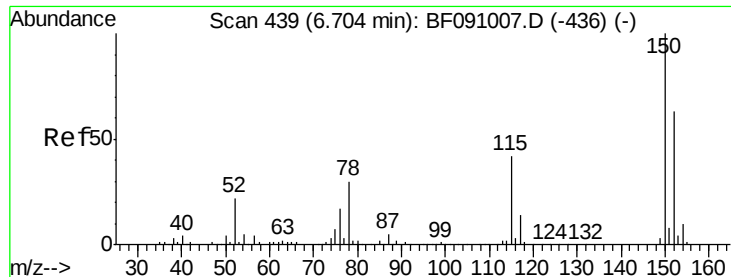
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA_F

ClientSampleId :

WQ-1W

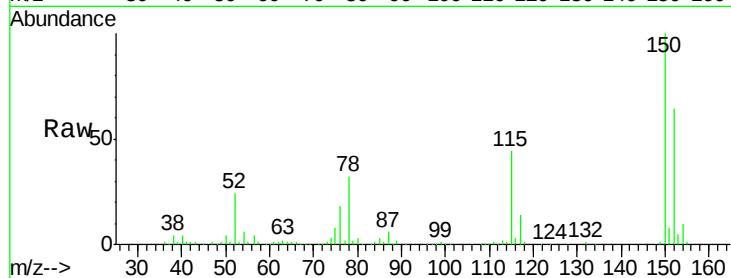
Tgt Ion:152 Resp: 178142

Ion Ratio Lower Upper

152 100

150 157.1 126.8 190.2

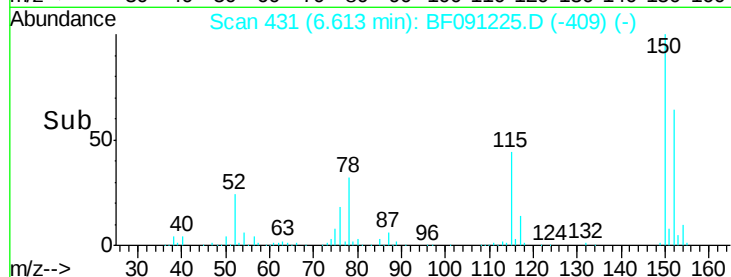
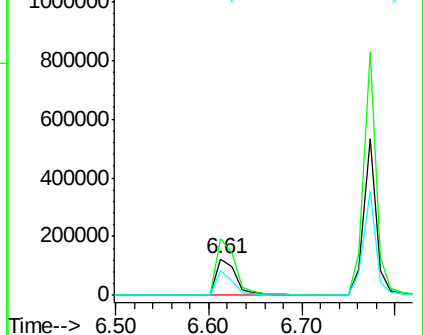
115 69.3 53.3 79.9



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: 52.85 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

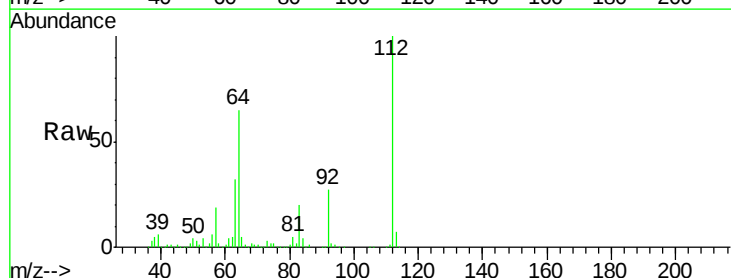
Tgt Ion:112 Resp: 570102

Ion Ratio Lower Upper

112 100

64 64.6 55.8 83.6

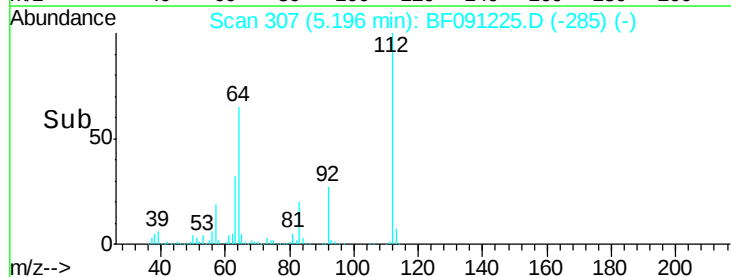
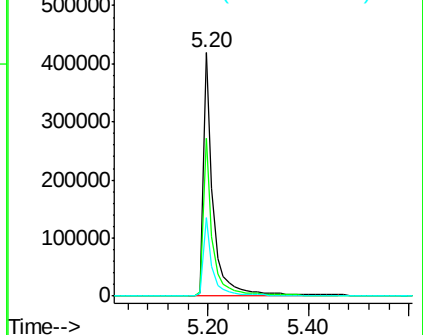
63 32.4 28.0 42.0

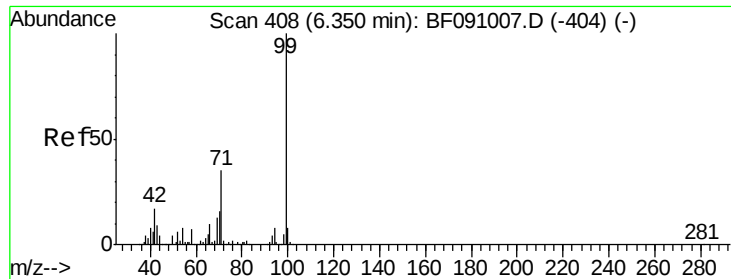


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.63 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA_F

ClientSampleId :

WQ-1W

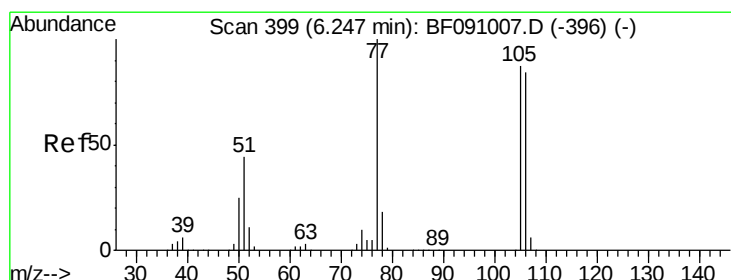
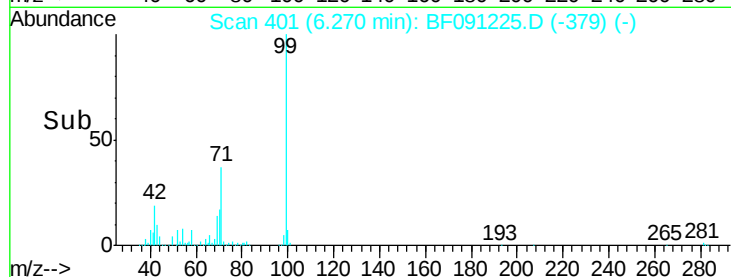
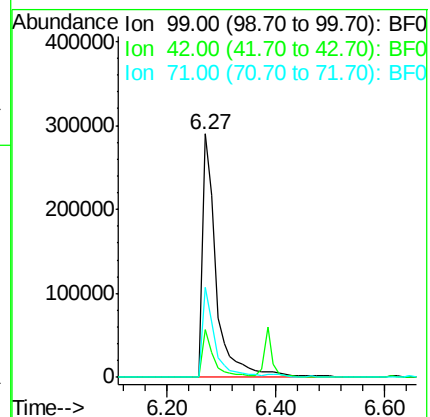
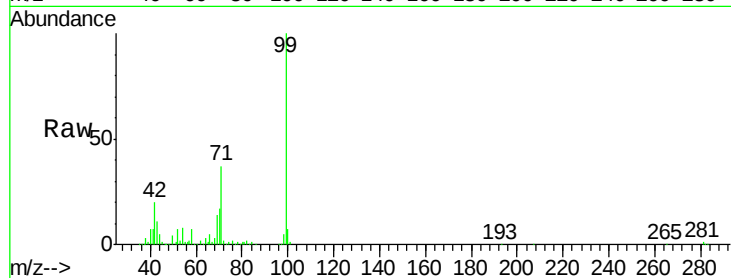
Tgt Ion: 99 Resp: 507063

Ion Ratio Lower Upper

99 100

42 19.7 13.9 20.9

71 37.2 27.8 41.8



#9

Benzaldehyde

Concen: 2.89 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

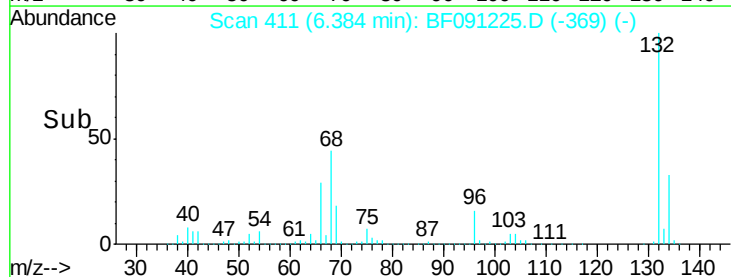
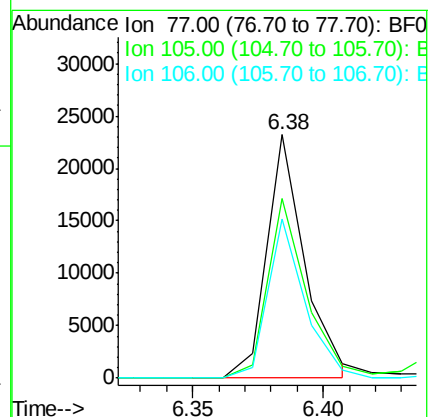
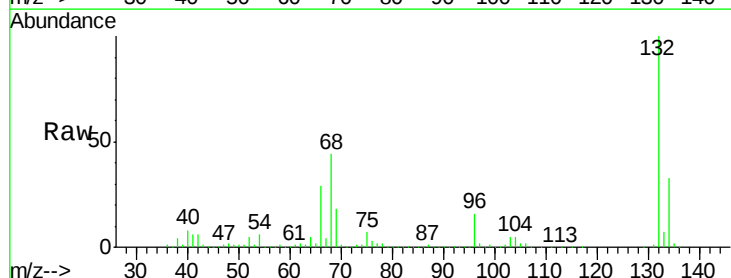
Tgt Ion: 77 Resp: 23524

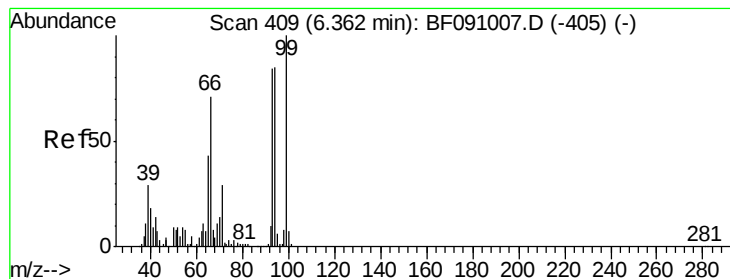
Ion Ratio Lower Upper

77 100

105 73.8 66.8 106.8

106 65.4 64.0 104.0





#10

Phenol

Concen: 2.56 ng

RT: 6.29 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA_F

ClientSampleId :

WQ-1W

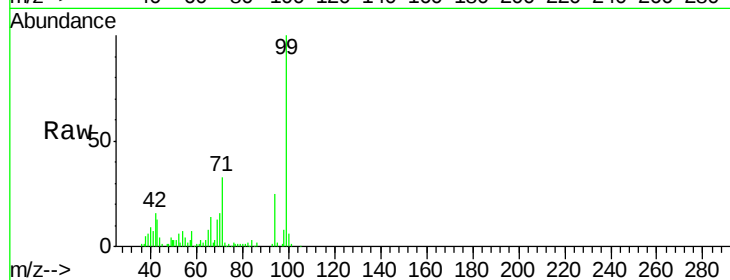
Tgt Ion: 94 Resp: 41435

Ion Ratio Lower Upper

94 100

65 31.9 30.4 70.4

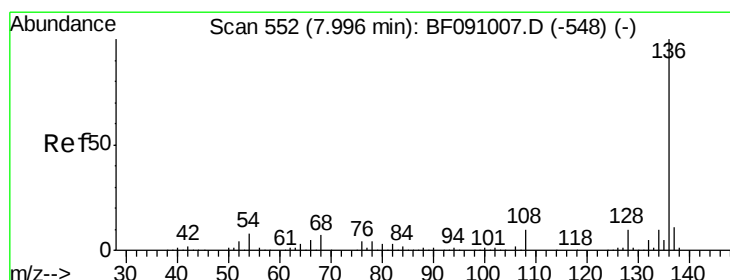
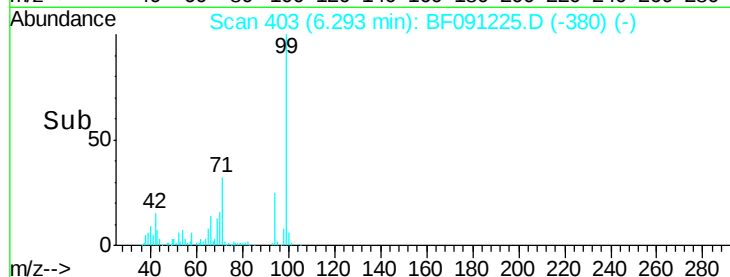
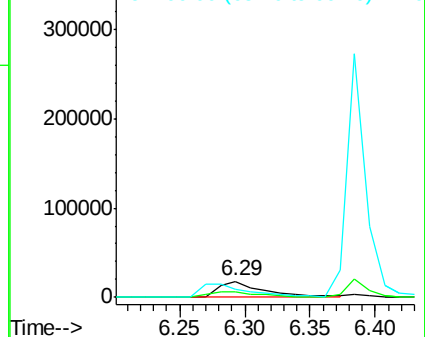
66 54.5 62.9 102.9#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 544

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Tgt Ion: 136 Resp: 741262

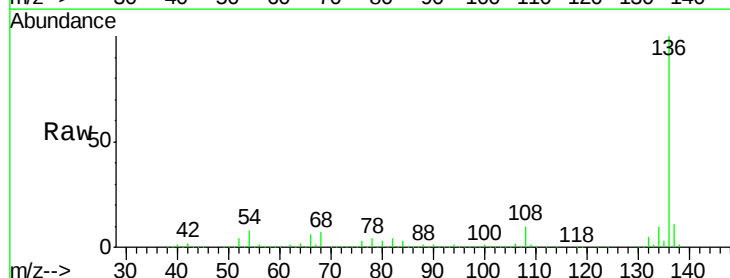
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.1 6.2 9.2

68 7.3 5.5 8.3

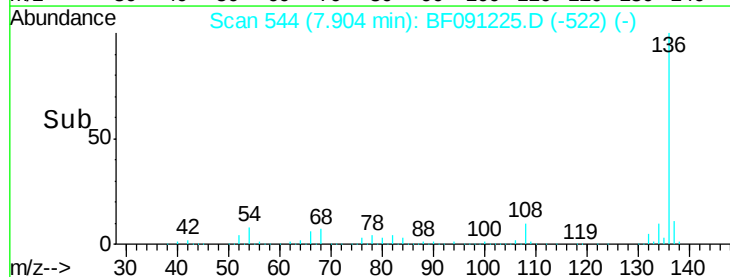
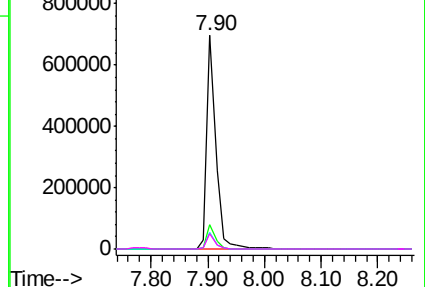


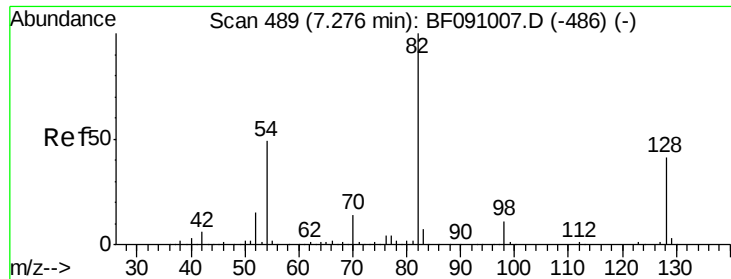
Abundance Ion 136.00 (135.70 to 136.70): E

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

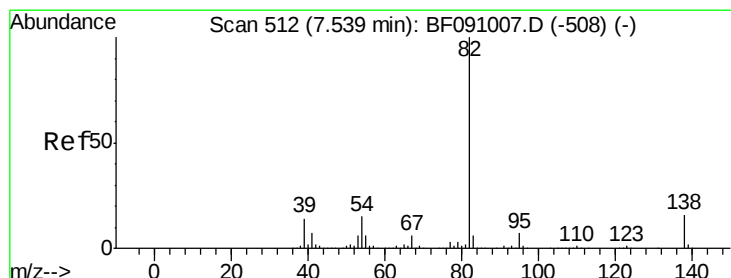
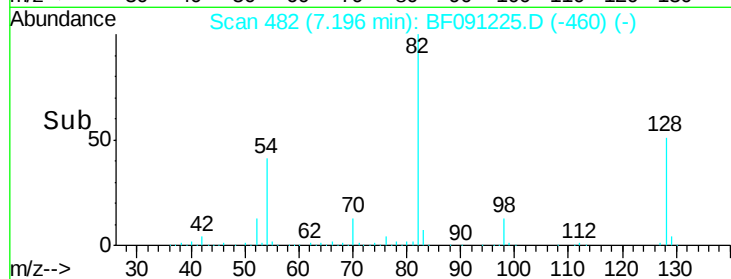
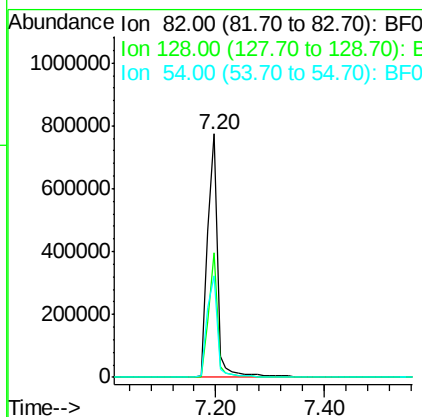
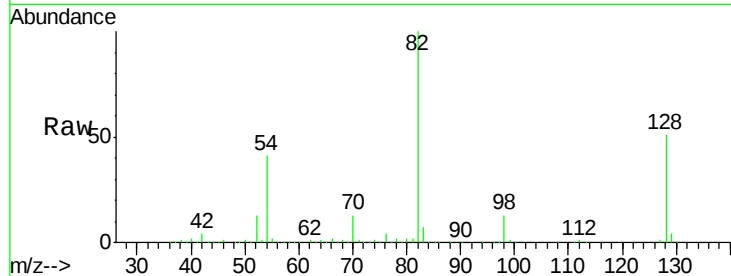




#23
 Nitrobenzene-d5
 Concen: 73.07 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.05 min
 Lab File: BF091225.D
 Acq: 17 Nov 2016 21:10

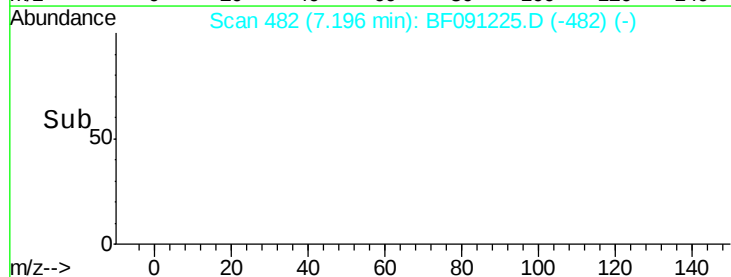
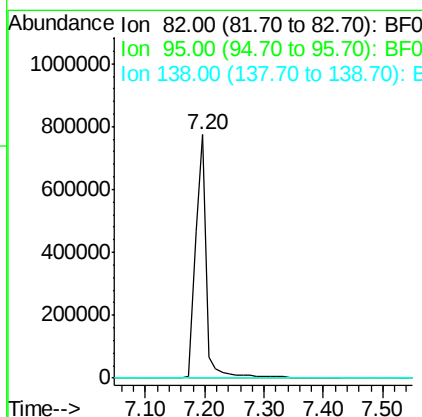
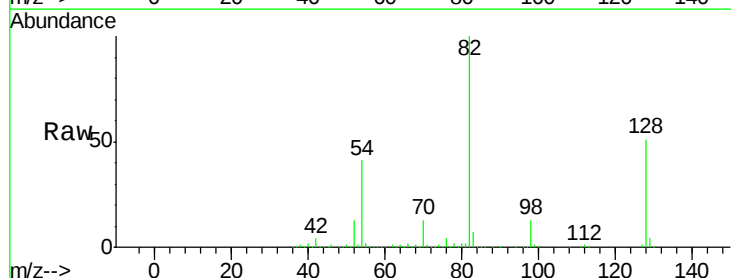
Instrument :
 BNA_F
 ClientSampleId :
 WQ-1W

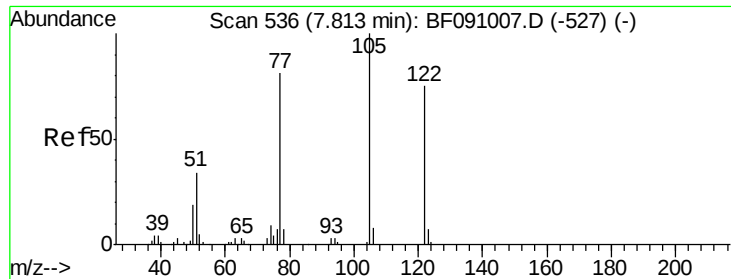
Tgt Ion: 82 Resp: 992912
 Ion Ratio Lower Upper
 82 100
 128 51.2 32.4 48.6#
 54 41.5 39.2 58.8



#25
 Isophorone
 Concen: 36.84 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.30 min
 Lab File: BF091225.D
 Acq: 17 Nov 2016 21:10

Tgt Ion: 82 Resp: 964490
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#





#32

Benzoic acid

Concen: 5.42 ng

RT: 7.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA_F

ClientSampleId :

WQ-1W

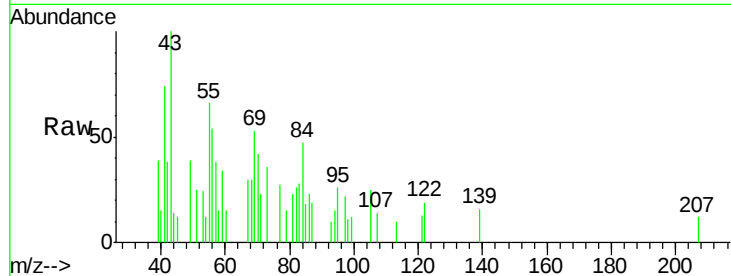
Tgt Ion:122 Resp: 3156

Ion Ratio Lower Upper

122 100

105 128.2 105.9 145.9

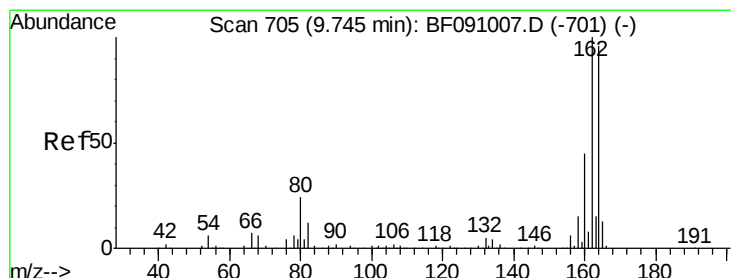
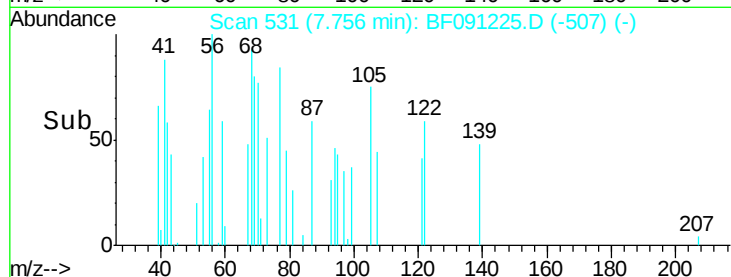
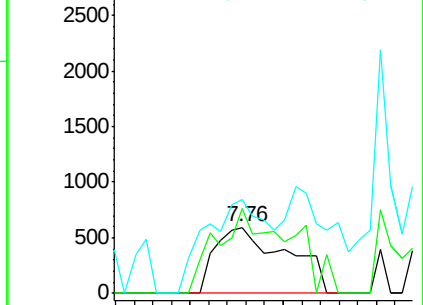
77 142.5 84.0 124.0#



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: 9.65 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

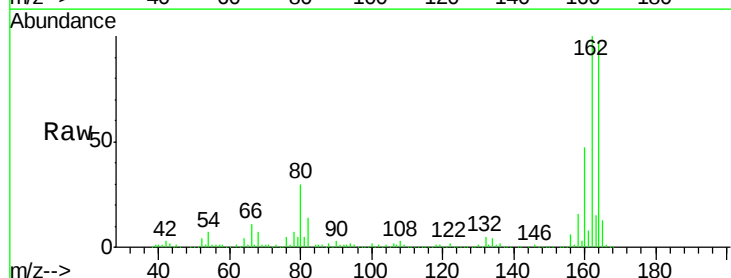
Tgt Ion:164 Resp: 404980

Ion Ratio Lower Upper

164 100

162 103.1 83.6 125.4

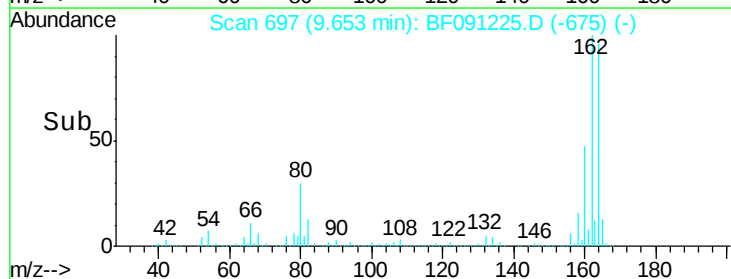
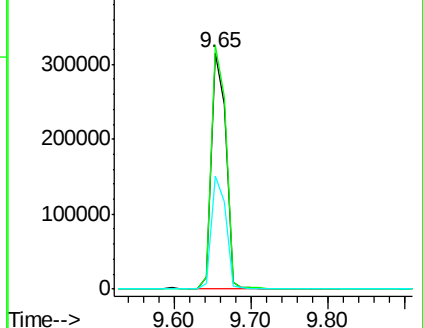
160 48.0 37.9 56.9

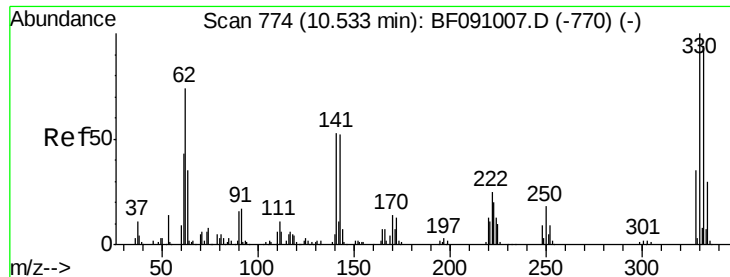


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

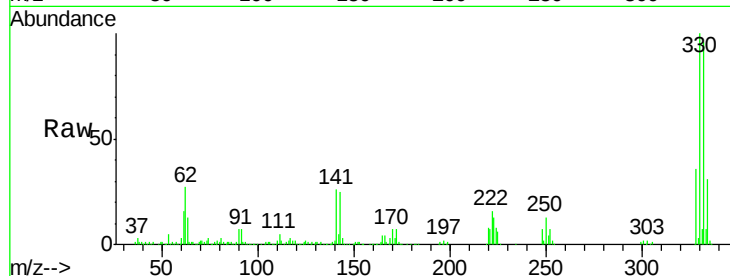




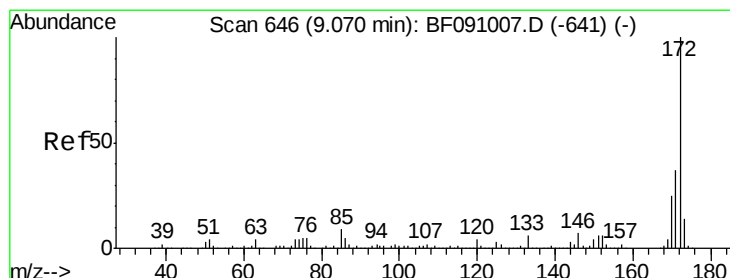
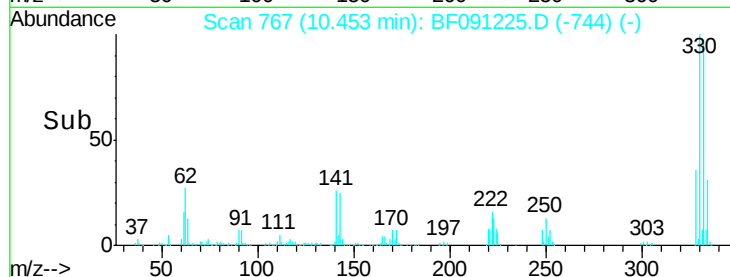
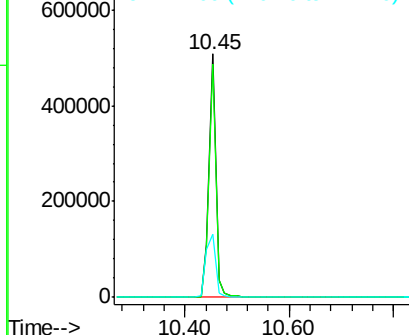
#41
 2,4,6-Tribromophenol
 Concen: 127.96 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091225.D
 Acq: 17 Nov 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 WQ-1W

Tgt Ion:330 Resp: 468504
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.9 113.9
 141 36.8 36.1 54.1

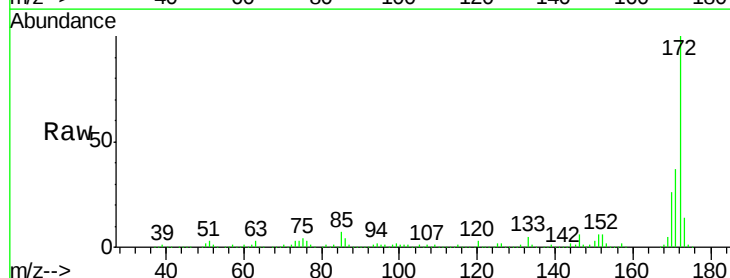


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

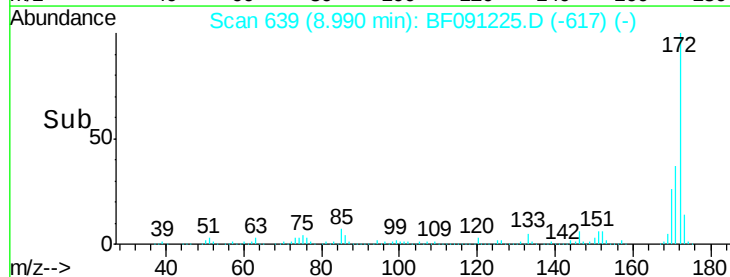
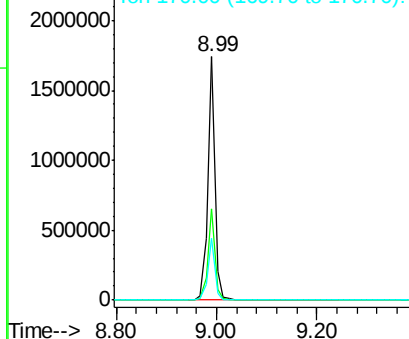


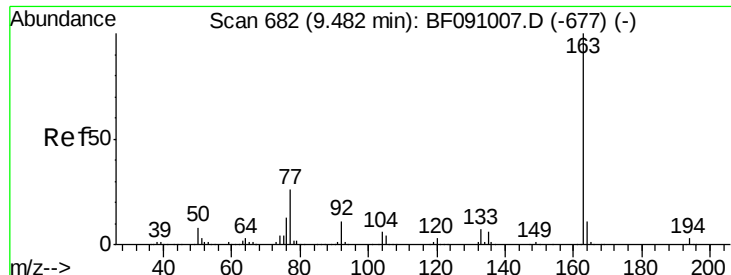
#44
 2-Fluorobiphenyl
 Concen: 72.96 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091225.D
 Acq: 17 Nov 2016 21:10

Tgt Ion:172 Resp: 1716357
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.8 44.6
 170 25.5 20.3 30.5



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

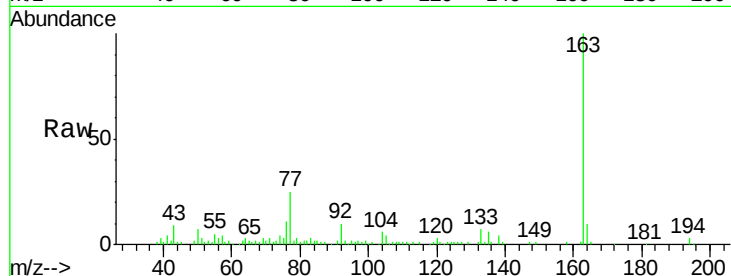




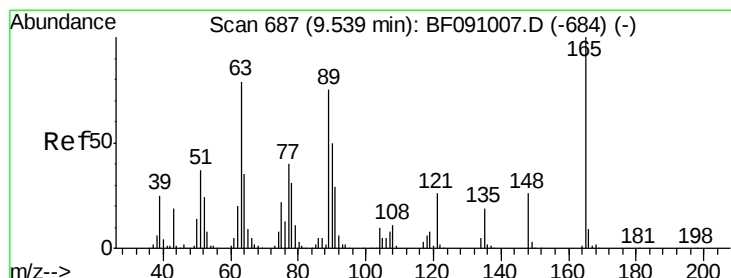
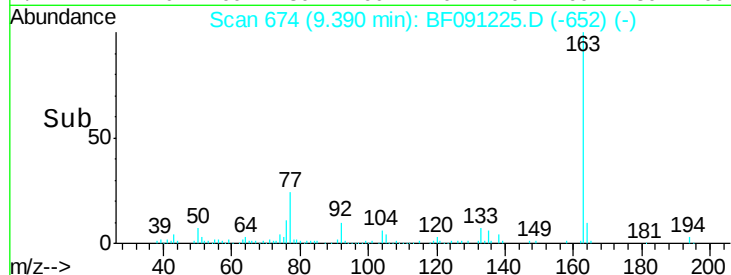
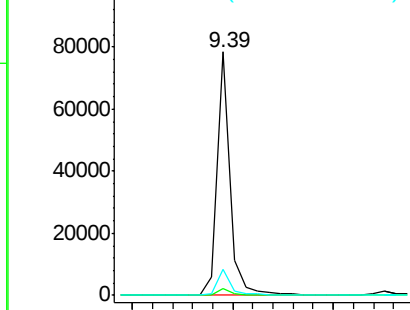
#49
Dimethylphthalate
Concen: 2.62 ng
RT: 9.39 min Scan# 674
Delta R.T. -0.05 min
Lab File: BF091225.D
Acq: 17 Nov 2016 21:10

Instrument :
BNA_F
ClientSampleId :
WQ-1W

Tgt Ion:163 Resp: 69468
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.4 8.7 13.1

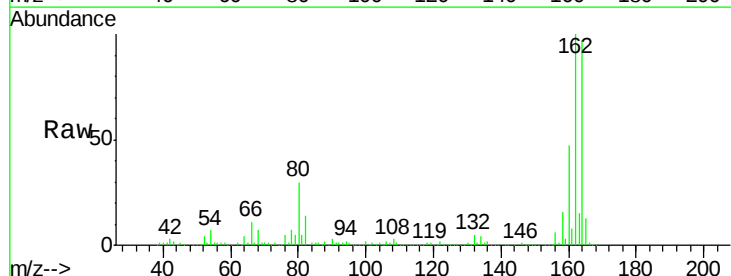


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

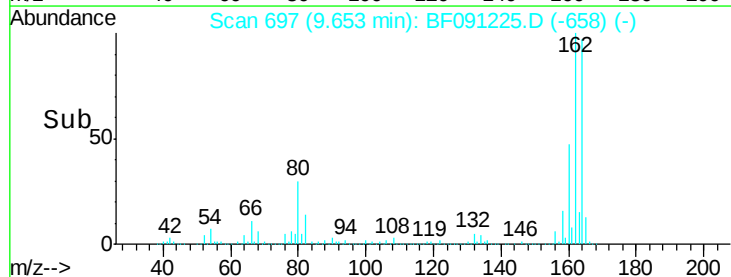
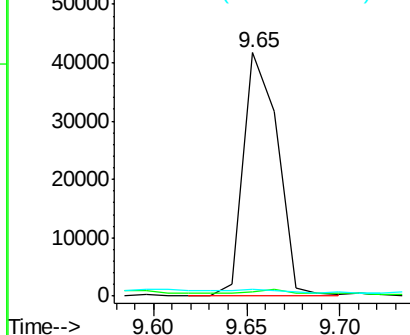


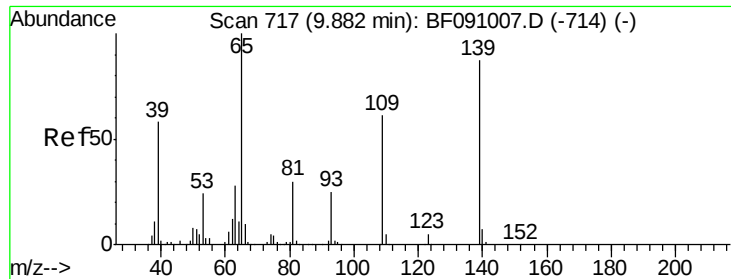
#50
2,6-Dinitrotoluene
Concen: 9.35 ng
RT: 9.65 min Scan# 697
Delta R.T. 0.15 min
Lab File: BF091225.D
Acq: 17 Nov 2016 21:10

Tgt Ion:165 Resp: 53218
Ion Ratio Lower Upper
165 100
63 2.0 65.6 98.4#
89 2.7 59.8 89.6#



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





#55

4-Nitrophenol

Concen: 5.76 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA_F

ClientSampleId :

WQ-1W

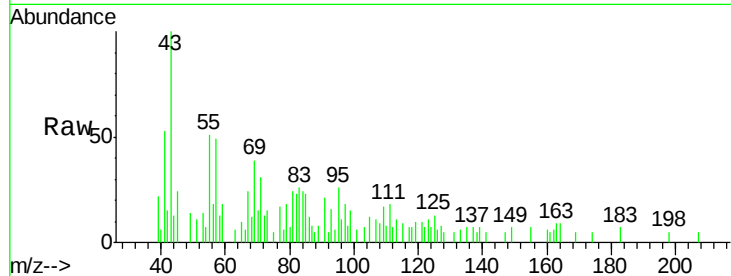
Tgt Ion:139 Resp: 156

Ion Ratio Lower Upper

139 100

109 239.8 50.5 90.5#

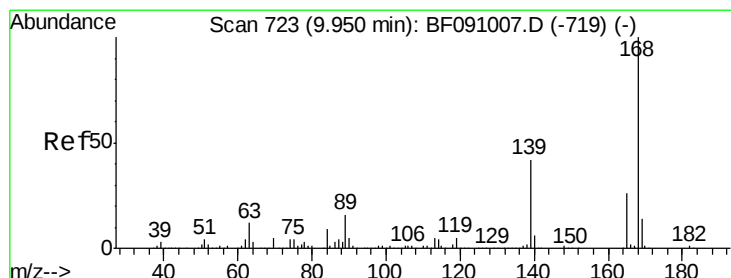
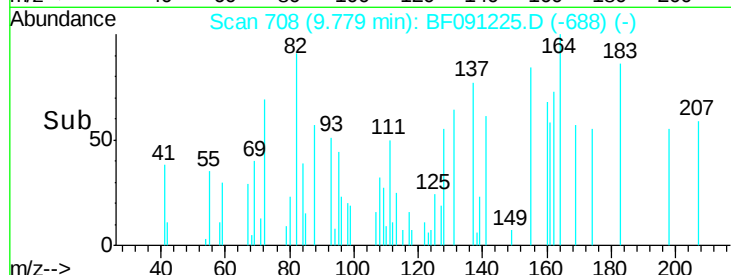
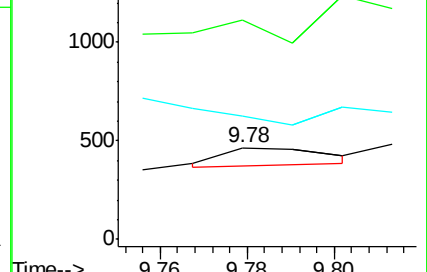
65 134.8 97.1 137.1



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 7.42 ng

RT: 9.65 min Scan# 697

Delta R.T. -0.25 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Tgt Ion:165 Resp: 53738

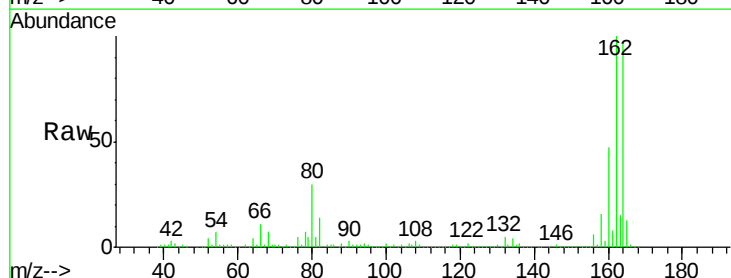
Ion Ratio Lower Upper

165 100

63 2.0 38.7 58.1#

89 2.7 50.6 76.0#

182 0.0 1.8 2.8#

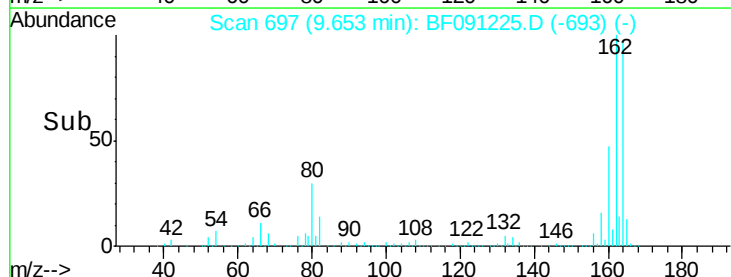
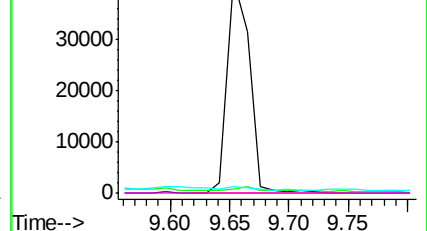


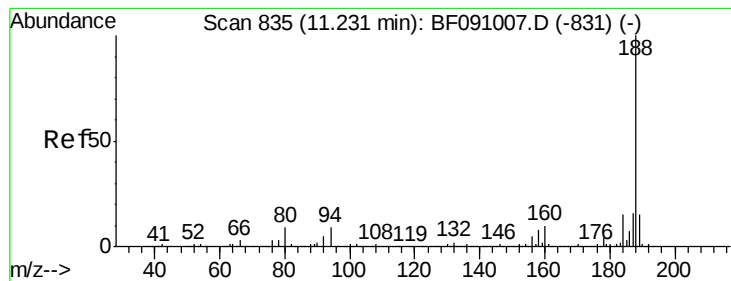
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 827

Delta R.T. -0.03 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA_F

ClientSampleId :

WQ-1W

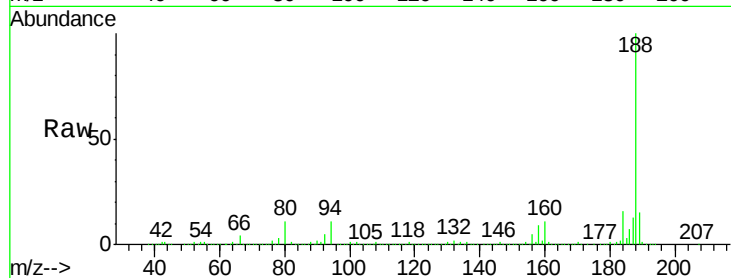
Tgt Ion:188 Resp: 688485

Ion Ratio Lower Upper

188 100

94 10.5 7.0 10.4#

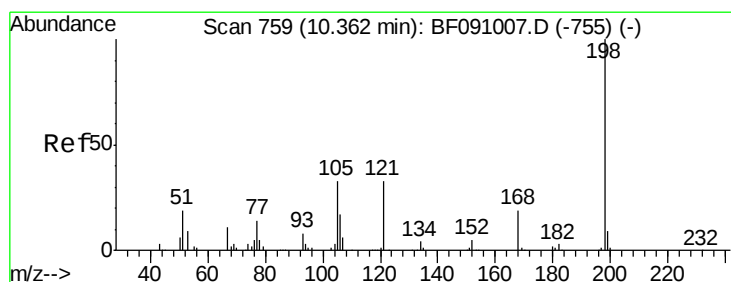
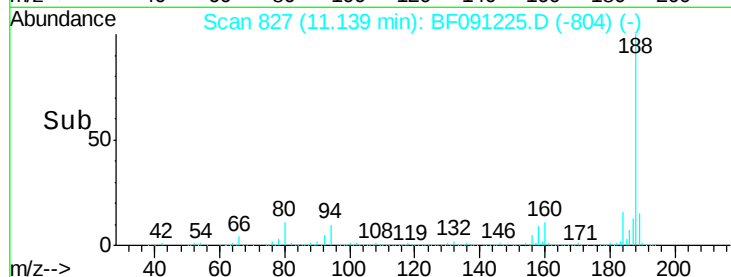
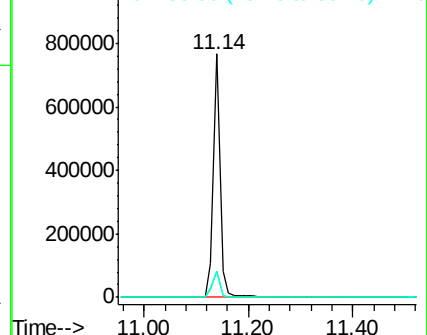
80 10.7 7.5 11.3



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: 3.79 ng

RT: 10.40 min Scan# 762

Delta R.T. 0.08 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

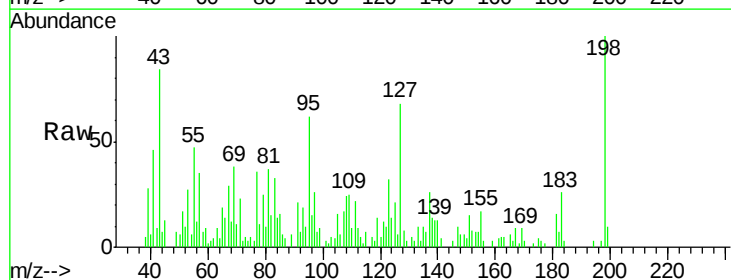
Tgt Ion:198 Resp: 15967

Ion Ratio Lower Upper

198 100

51 16.8 5.9 45.9

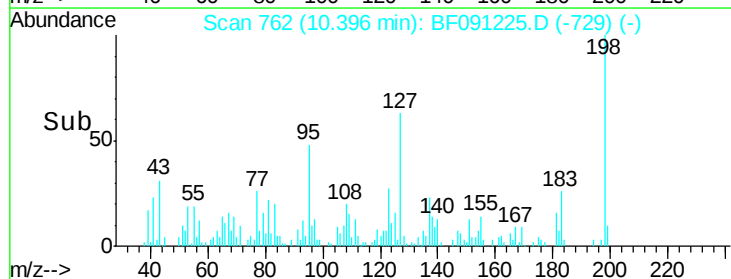
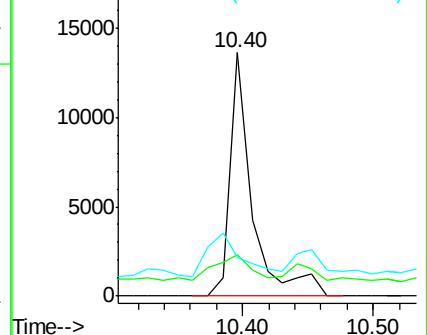
105 16.0 13.8 53.8

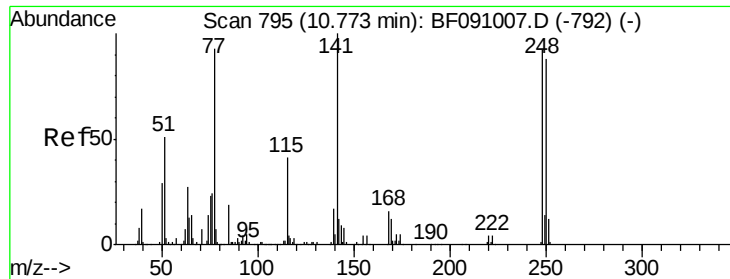


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.59 ng

RT: 10.45 min Scan# 767

Delta R.T. -0.27 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA_F

ClientSampleId :

WQ-1W

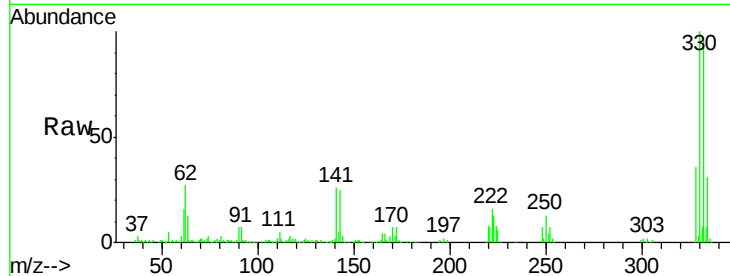
Tgt Ion:248 Resp: 32905

Ion Ratio Lower Upper

248 100

250 201.9 76.3 114.5#

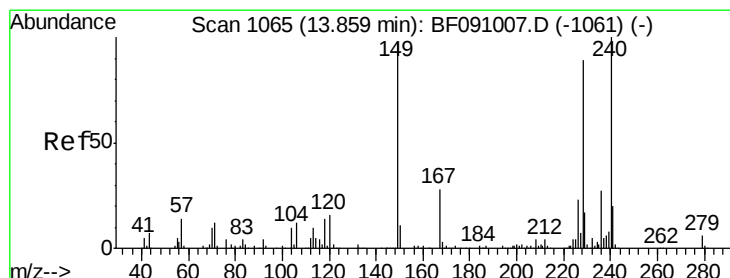
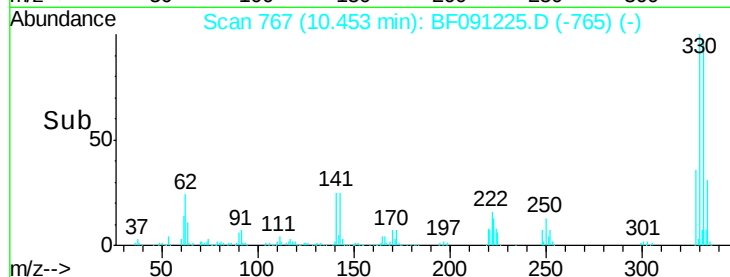
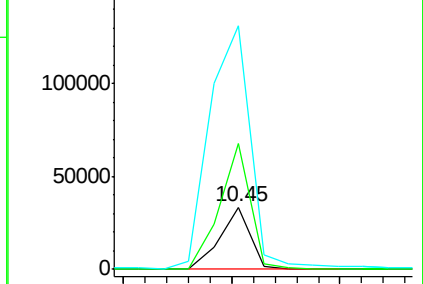
141 391.0 86.8 130.2#



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: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

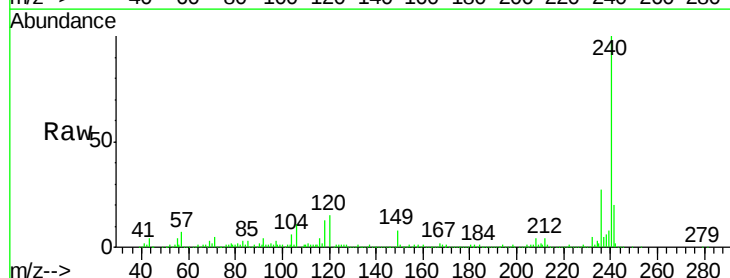
Tgt Ion:240 Resp: 428523

Ion Ratio Lower Upper

240 100

120 15.2 12.9 19.3

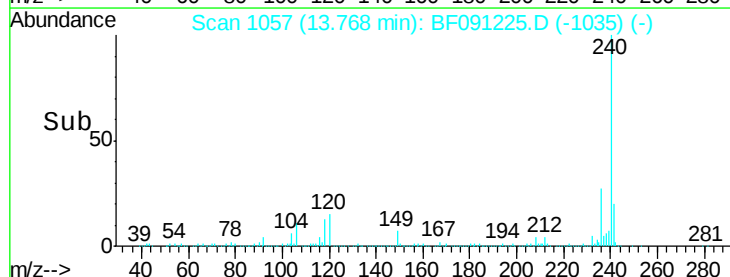
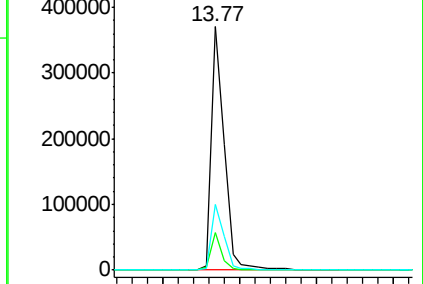
236 26.9 21.9 32.9

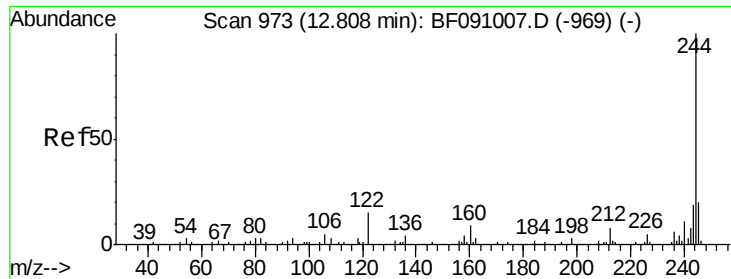


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

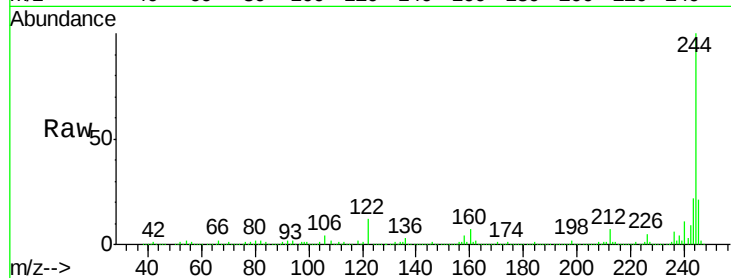




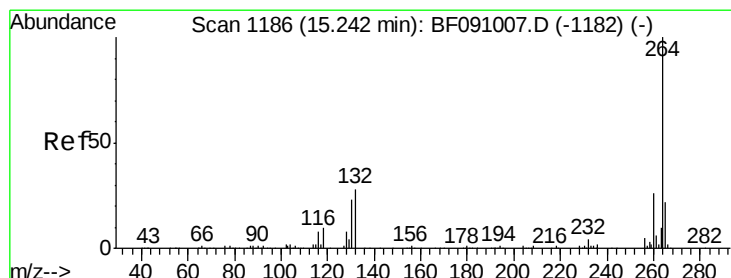
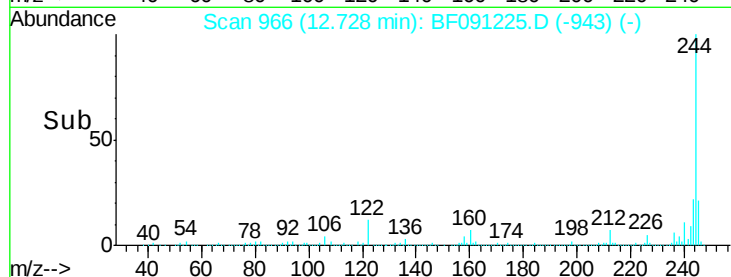
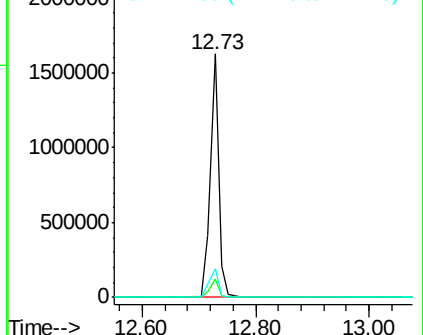
#78
 Terphenyl-d14
 Concen: 92.32 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.03 min
 Lab File: BF091225.D
 Acq: 17 Nov 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 WQ-1W

Tgt Ion:244 Resp: 1585329
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.4 9.6
 122 11.6 12.3 18.5#

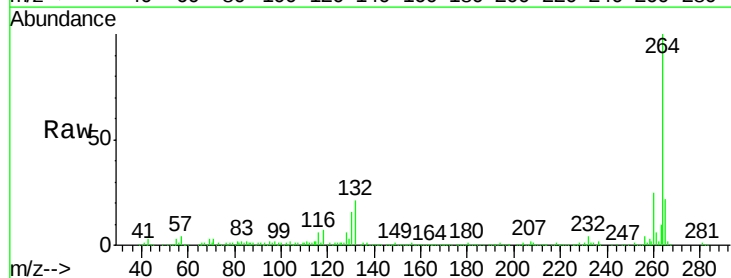


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091225.D
 Acq: 17 Nov 2016 21:10

Tgt Ion:264 Resp: 333096
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.6 30.8
 265 21.6 17.8 26.8



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

