

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091395.D
 Acq On : 2 Dec 2016 18:01
 Operator : UM/SJ
 Sample : H5819-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 113016-02

Quant Time: Dec 02 22:20:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

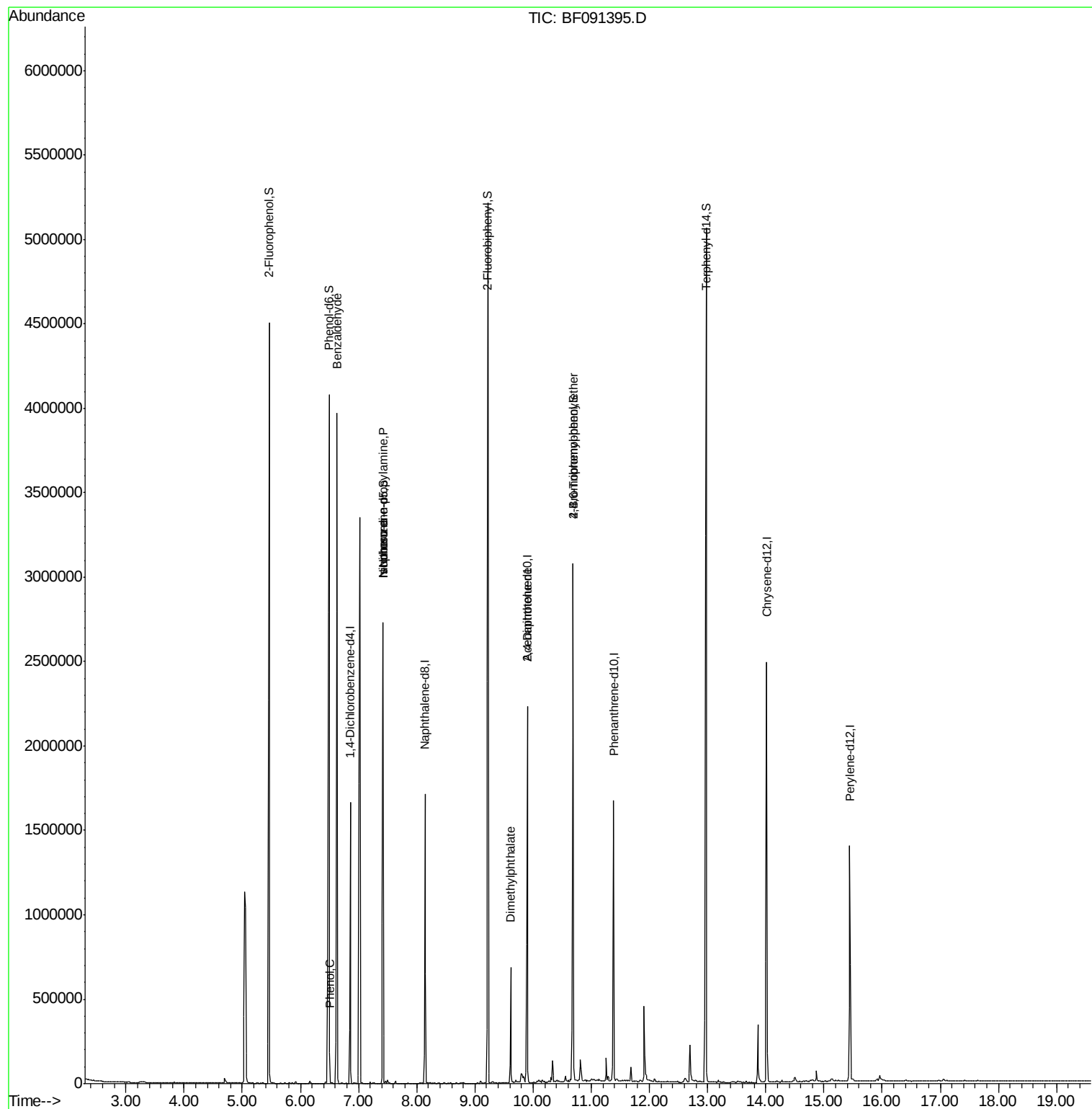
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	221067	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	824913	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	537073	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	899578	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	888880	20.00	ng	-0.03
86) Perylene-d12	15.44	264	703894	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1186817	87.70	ng	0.00
7) Phenol-d6	6.49	99	1659641	99.63	ng	0.00
23) Nitrobenzene-d5	7.42	82	867607	58.94	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	479119	94.23	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1818194	61.30	ng	-0.02
78) Terphenyl-d14	12.97	244	2044984	50.00	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	30918	2.89	ng	97
10) Phenol	6.50	94	67233	3.43	ng	# 73
19) n-Nitroso-di-n-propylamine	7.42	70	120277	11.46	ng	# 73
25) Isophorone	7.42	82	656991	25.19	ng	# 67
49) Dimethylphthalate	9.61	163	250843	7.71	ng	99
56) 2,4-Dinitrotoluene	9.90	165	69984	7.42	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	29639	3.07	ng	# 1

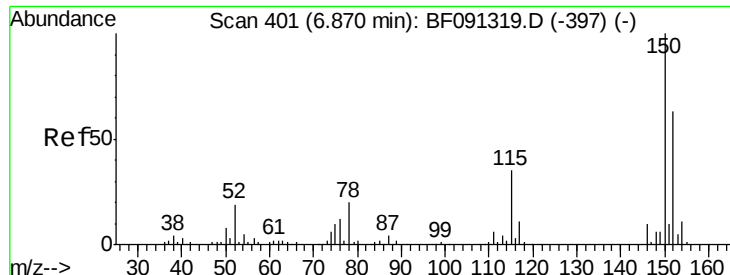
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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113016-02

Quant Time: Dec 02 22:20:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 13:33:46 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Instrument :

BNA_F

ClientSampleId :

113016-02

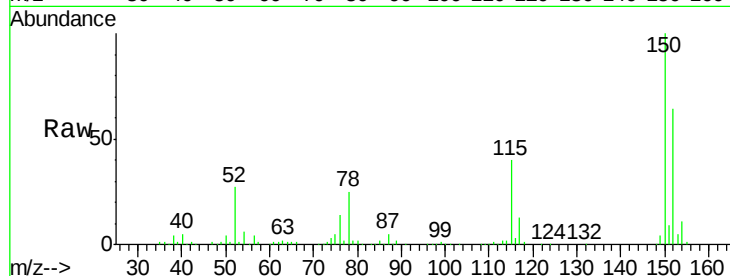
Tgt Ion:152 Resp: 221067

Ion Ratio Lower Upper

152 100

150 156.8 122.5 183.7

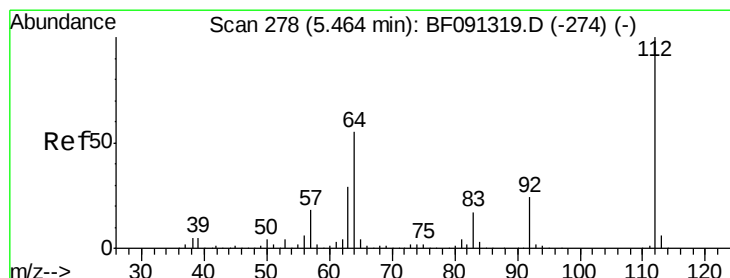
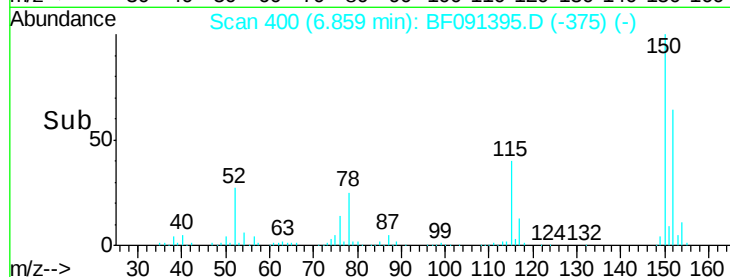
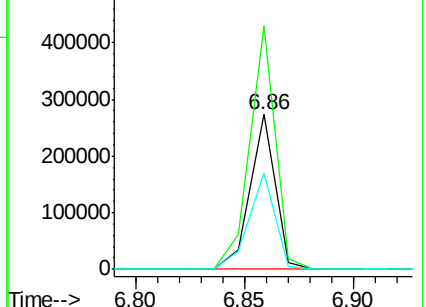
115 62.0 51.8 77.8



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: 87.70 ng

RT: 5.46 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

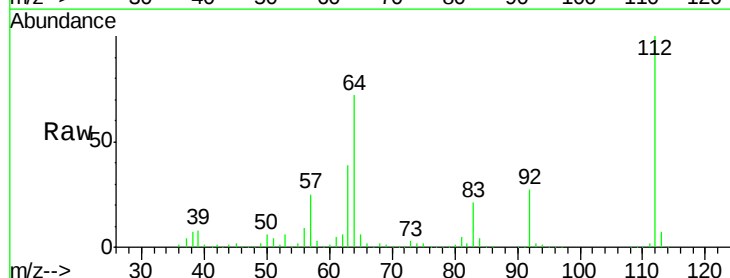
Tgt Ion:112 Resp: 1186817

Ion Ratio Lower Upper

112 100

64 72.5 61.5 92.3

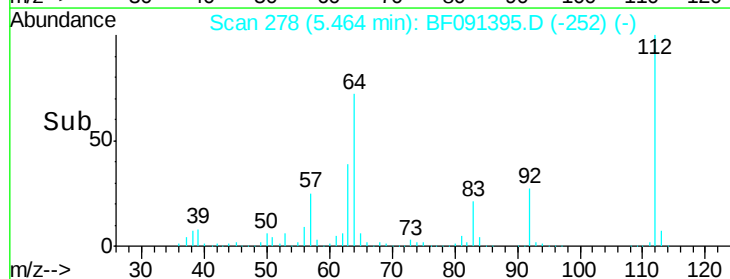
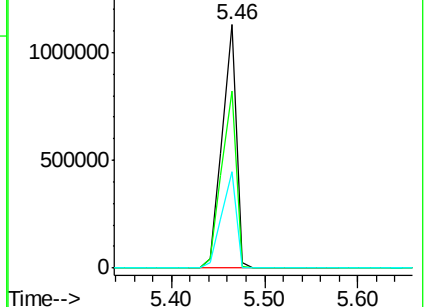
63 39.4 33.3 49.9

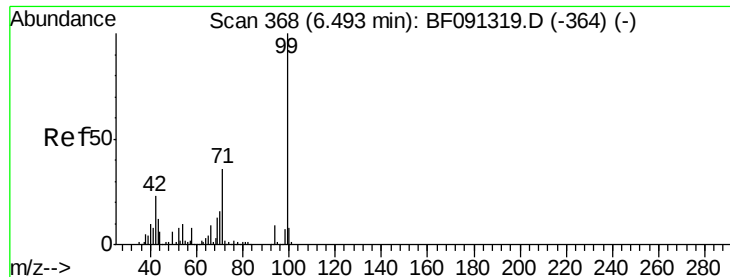


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.63 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Instrument :

BNA_F

ClientSampleId :

113016-02

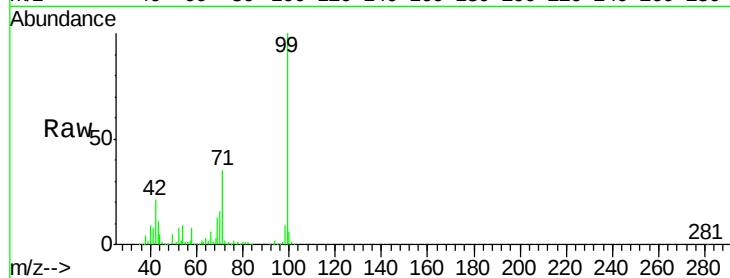
Tgt Ion: 99 Resp: 1659641

Ion Ratio Lower Upper

99 100

42 20.9 20.6 31.0

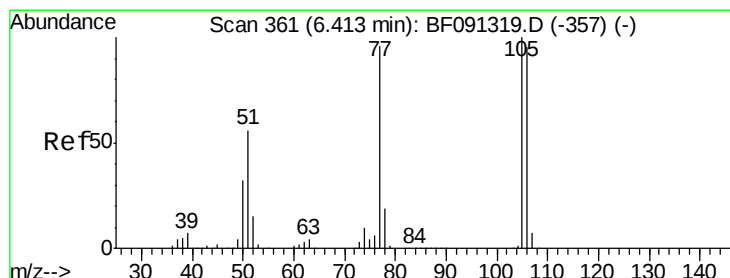
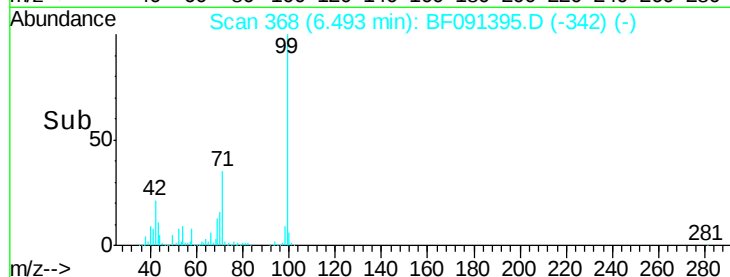
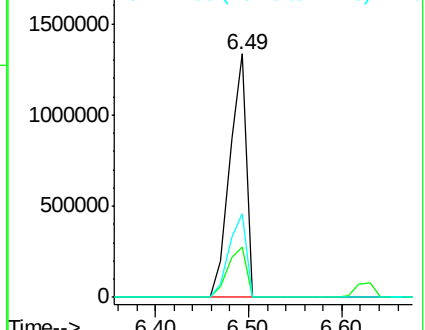
71 34.6 29.9 44.9



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: 2.89 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

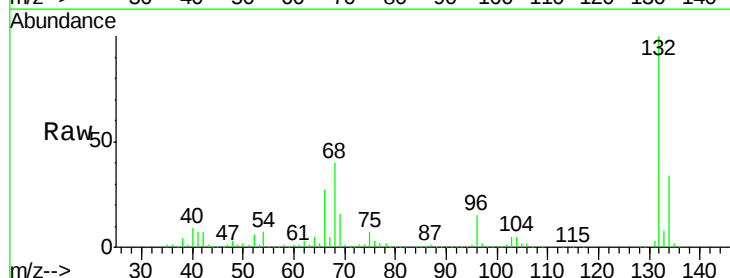
Tgt Ion: 77 Resp: 30918

Ion Ratio Lower Upper

77 100

105 86.3 66.4 106.4

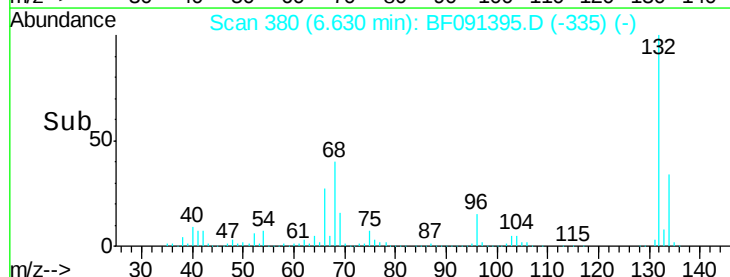
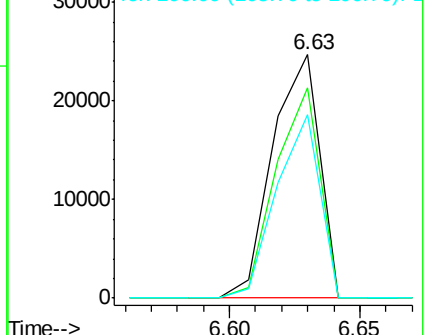
106 75.6 60.9 100.9

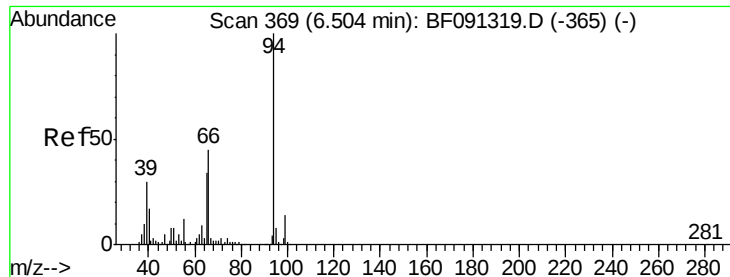


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.43 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Instrument :

BNA_F

ClientSampled :

113016-02

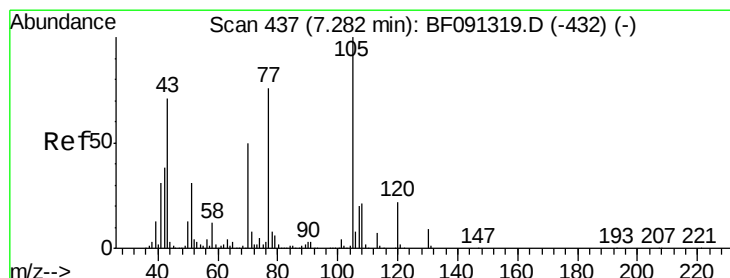
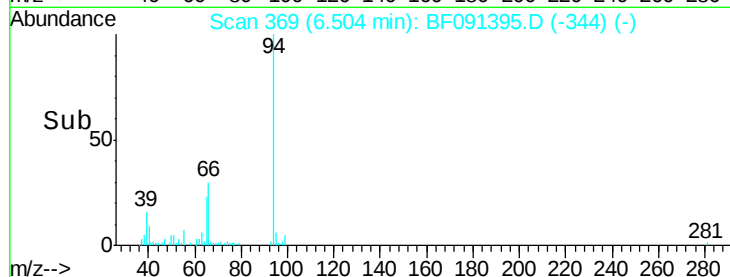
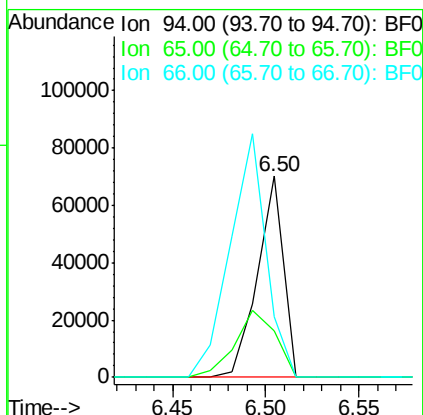
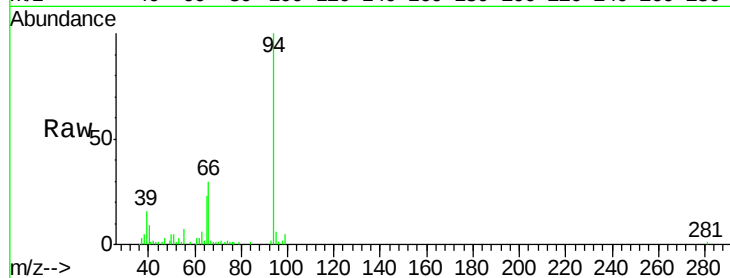
Tgt Ion: 94 Resp: 67233

Ion Ratio Lower Upper

94 100

65 22.8 16.9 56.9

66 30.3 30.6 70.6#



#19

n-Nitroso-di-n-propylamine

Concen: 11.46 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.12 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Tgt Ion: 70 Resp: 120277

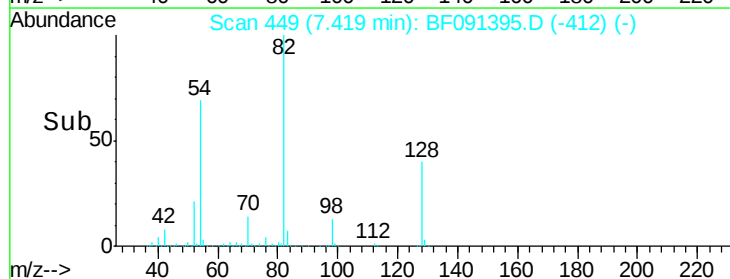
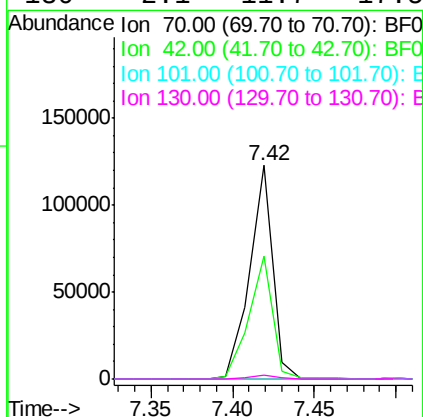
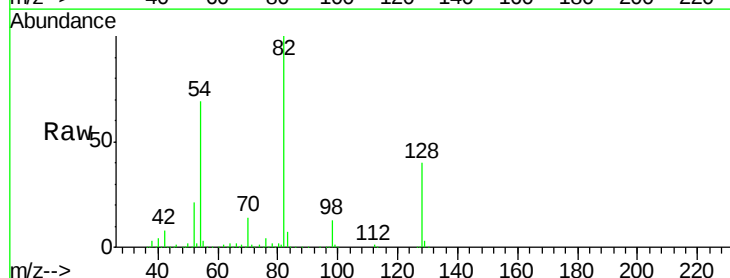
Ion Ratio Lower Upper

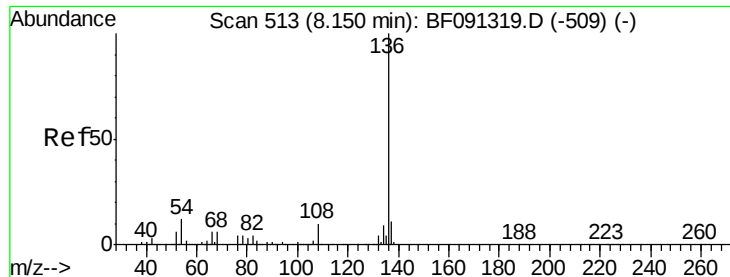
70 100

42 57.3 64.8 97.2#

101 0.0 6.2 9.4#

130 2.1 11.7 17.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Instrument :

BNA_F

ClientSampleId :

113016-02

Tgt Ion: 136 Resp: 824913

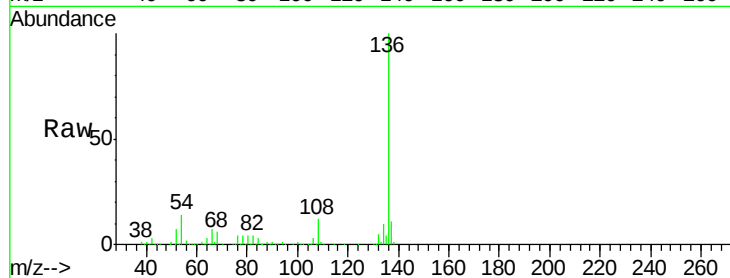
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 13.7 9.1 13.7#

68 6.4 5.9 8.9

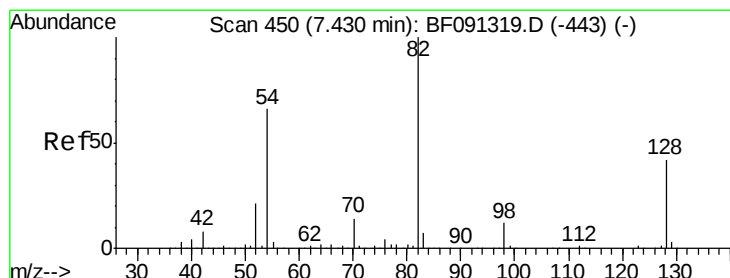
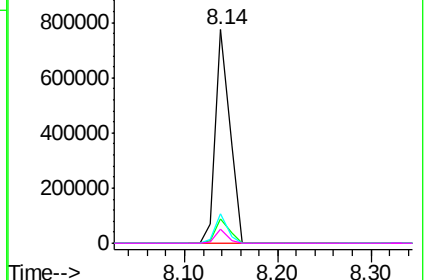
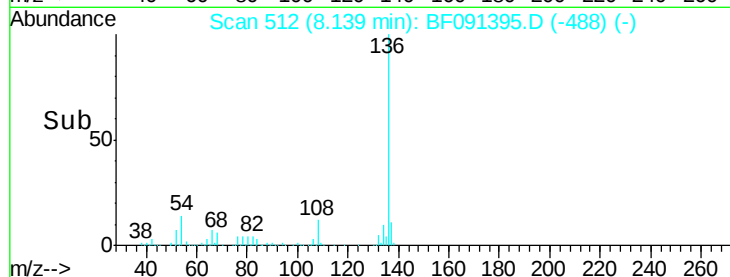


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.94 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.03 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

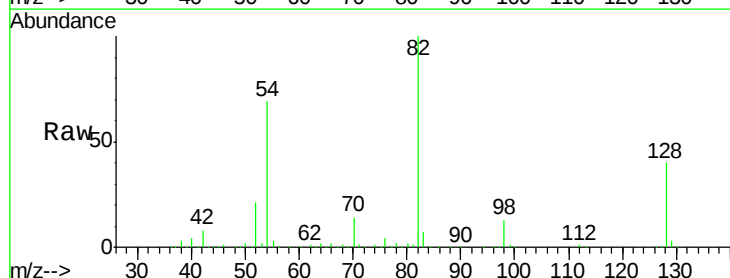
Tgt Ion: 82 Resp: 867607

Ion Ratio Lower Upper

82 100

128 39.9 31.8 47.6

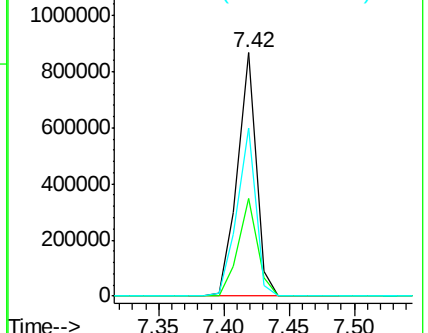
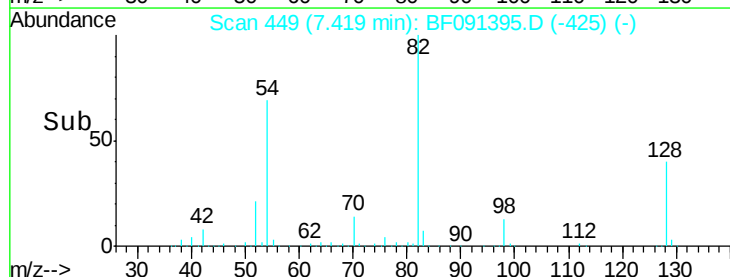
54 69.0 49.1 73.7

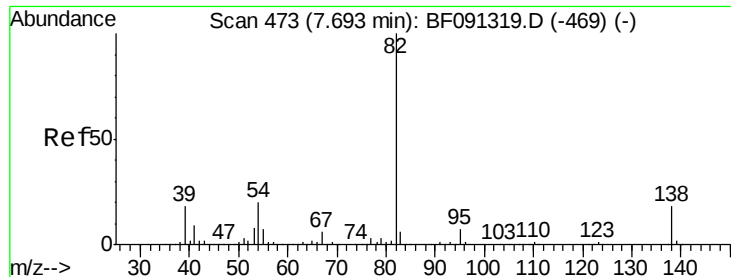


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.19 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.29 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Instrument :

BNA_F

ClientSampleId :

113016-02

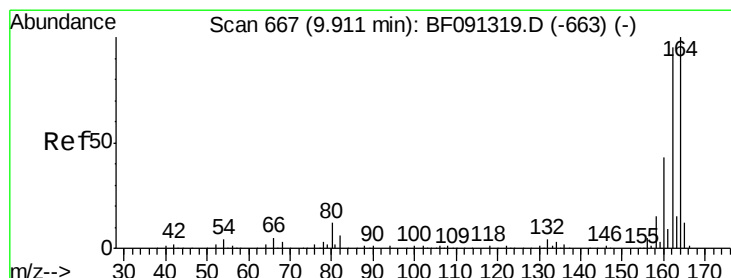
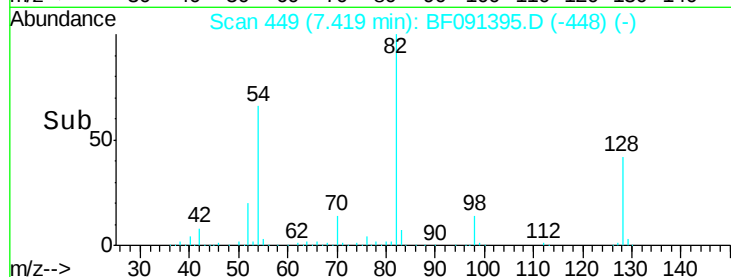
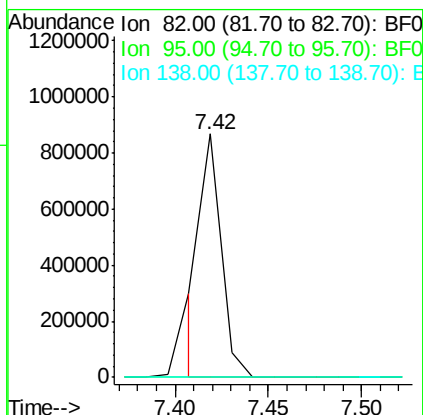
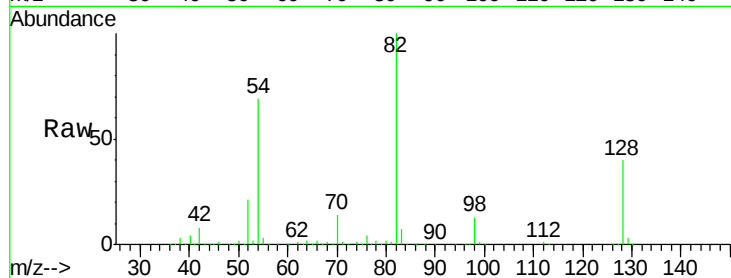
Tgt Ion: 82 Resp: 656991

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.4 20.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

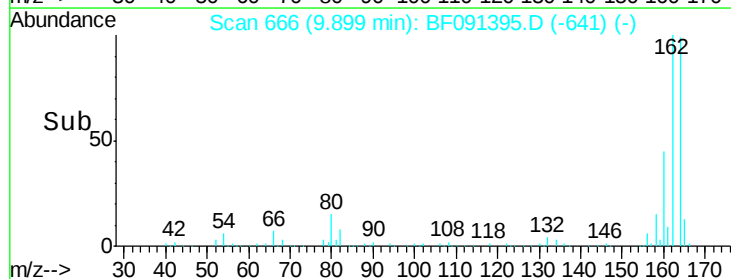
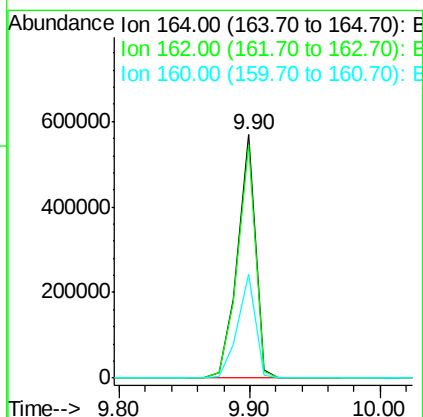
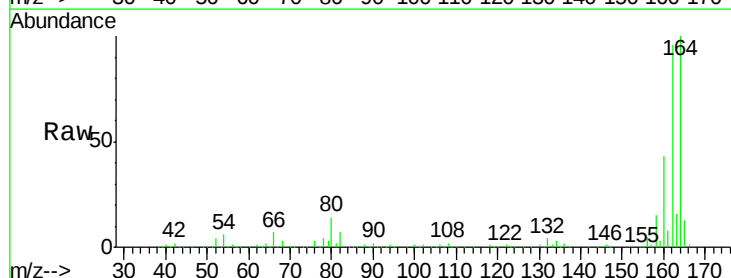
Tgt Ion: 164 Resp: 537073

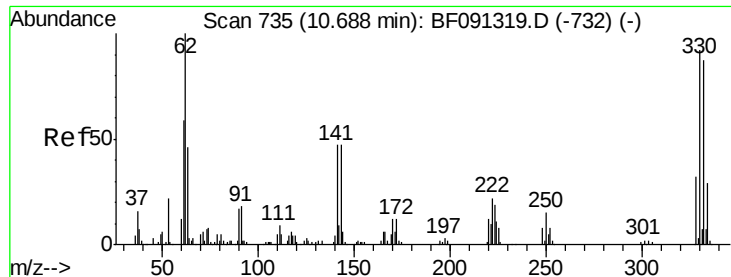
Ion Ratio Lower Upper

164 100

162 96.0 82.6 124.0

160 42.6 36.7 55.1

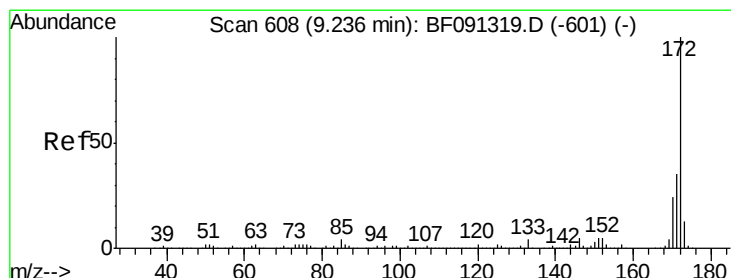
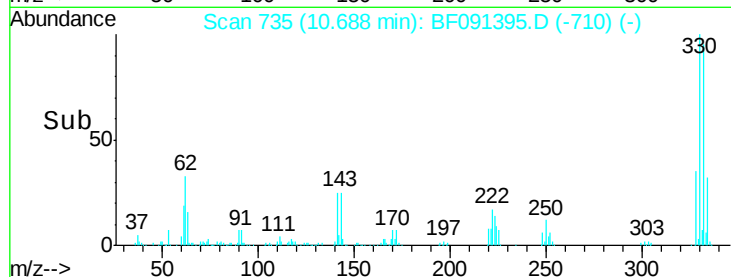
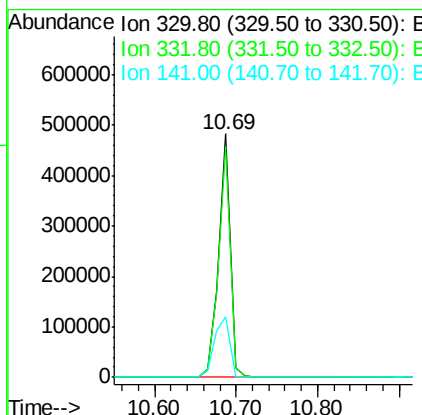
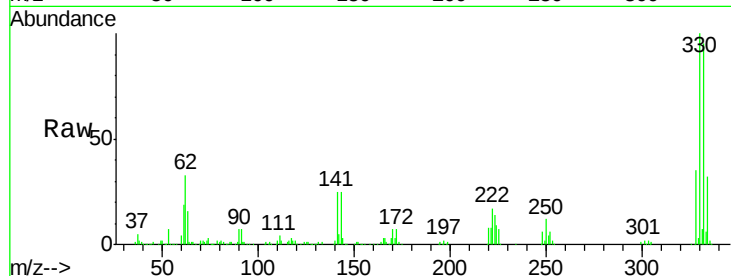




#41
 2,4,6-Tribromophenol
 Concen: 94.23 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091395.D
 Acq: 2 Dec 2016 18:01

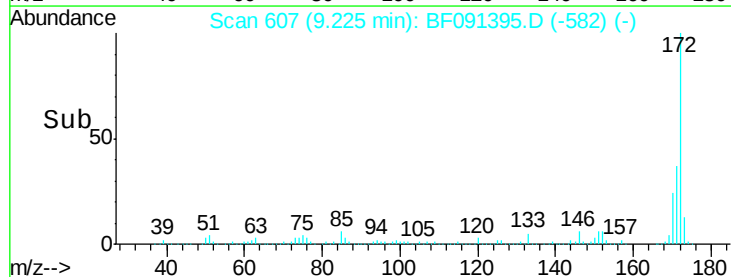
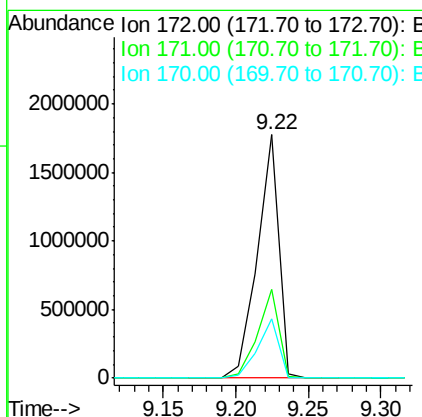
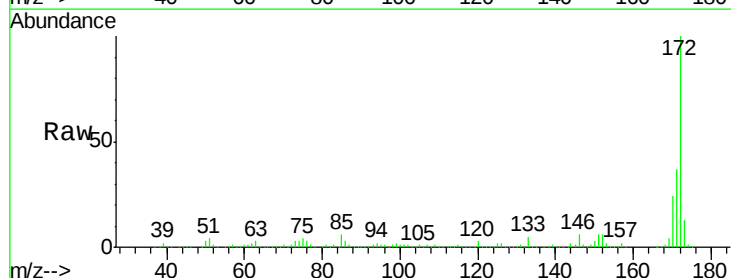
Instrument :
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 113016-02

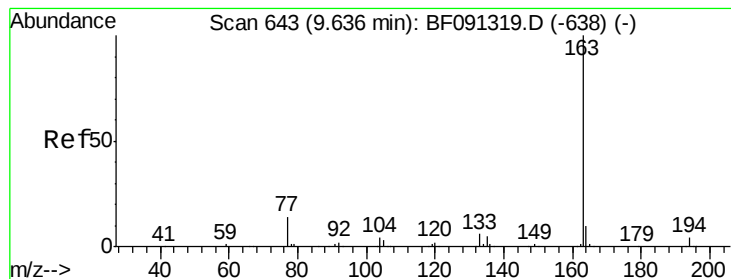
Tgt Ion:330 Resp: 479119
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.2 114.4
 141 32.9 33.6 50.4#



#44
 2-Fluorobiphenyl
 Concen: 61.30 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091395.D
 Acq: 2 Dec 2016 18:01

Tgt Ion:172 Resp: 1818194
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.4 19.7 29.5





#49

Dimethylphthalate

Concen: 7.71 ng

RT: 9.61 min Scan# 641

Delta R.T. -0.04 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Instrument :

BNA_F

ClientSampleId :

113016-02

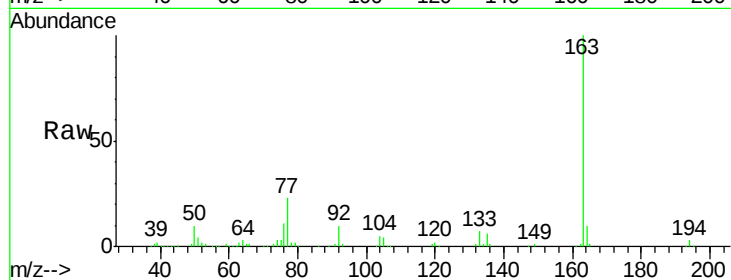
Tgt Ion:163 Resp: 250843

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

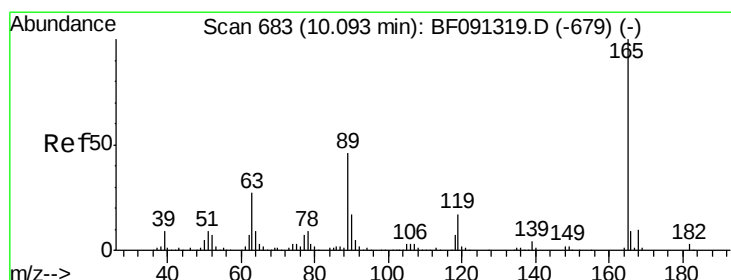
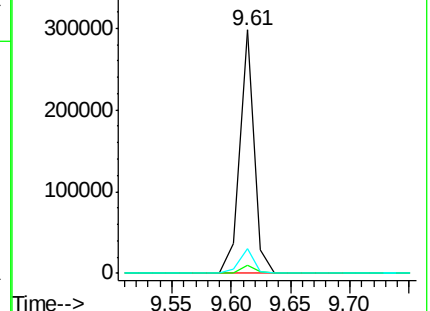
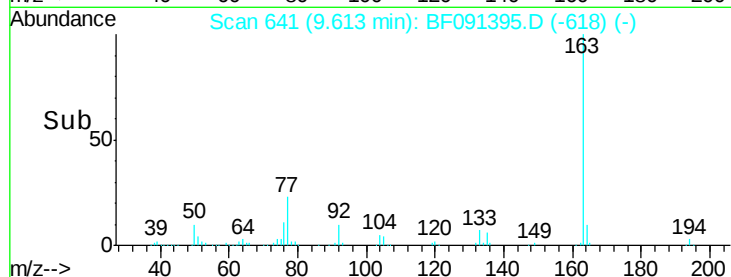
164 10.4 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 7.42 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.20 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Tgt Ion:165 Resp: 69984

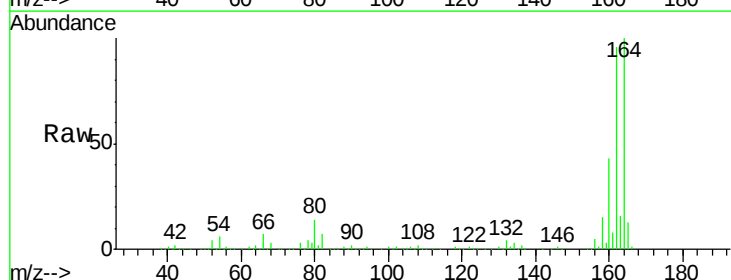
Ion Ratio Lower Upper

165 100

63 0.7 29.0 43.4#

89 0.9 43.1 64.7#

182 0.0 1.9 2.9#

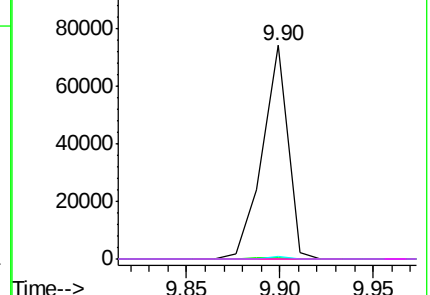
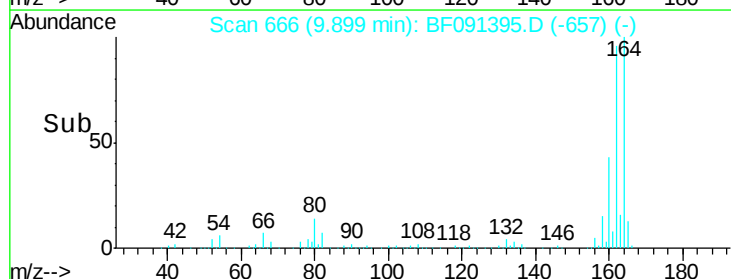


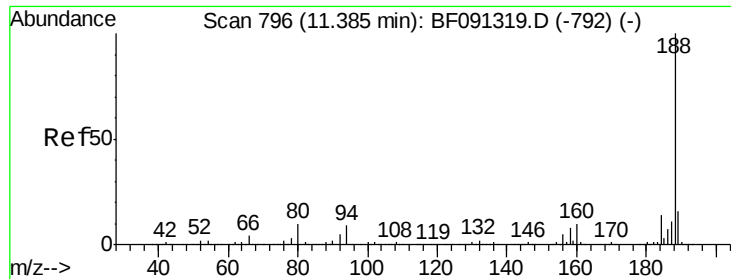
Abundance Ion 165.00 (164.70 to 165.70): E

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

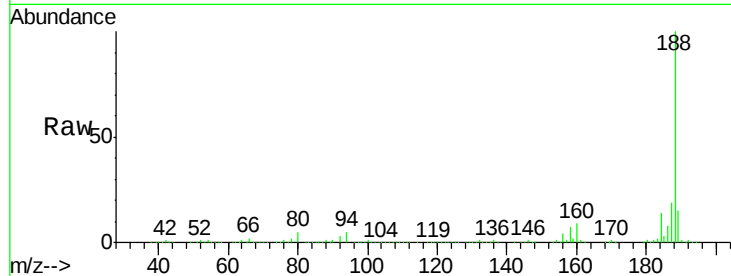




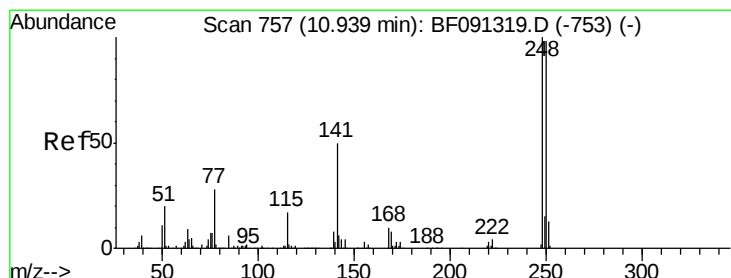
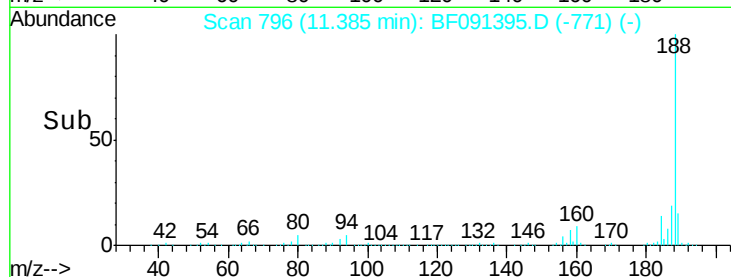
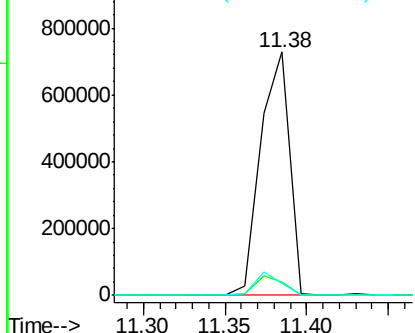
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091395.D
 Acq: 2 Dec 2016 18:01

Instrument :
 BNA_F
 ClientSampleId :
 113016-02

Tgt Ion:188 Resp: 899578
 Ion Ratio Lower Upper
 188 100
 94 5.3 9.2 13.8#
 80 5.0 10.5 15.7#

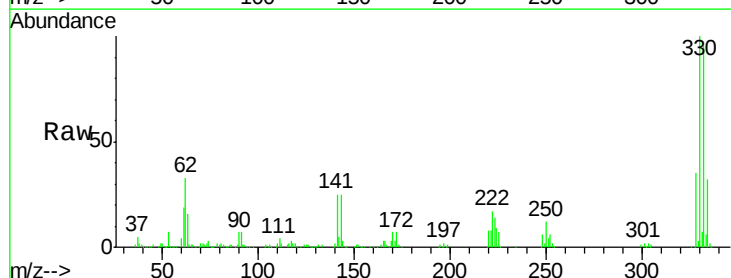


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

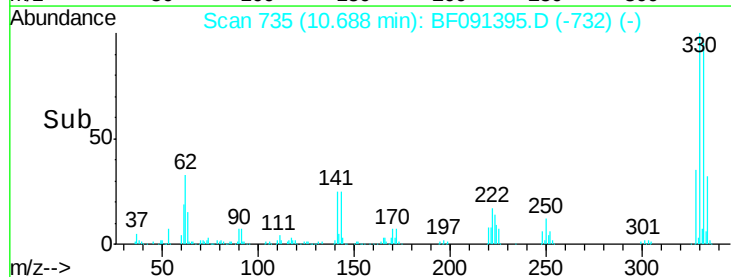
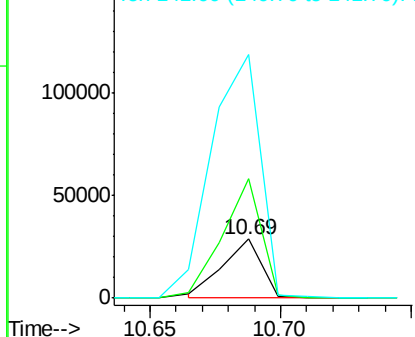


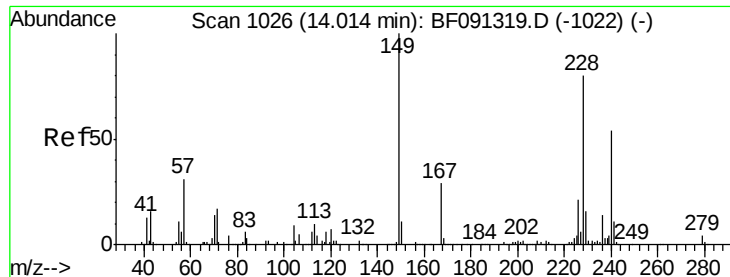
#66
 4-Bromophenyl-phenylether
 Concen: 3.07 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.27 min
 Lab File: BF091395.D
 Acq: 2 Dec 2016 18:01

Tgt Ion:248 Resp: 29639
 Ion Ratio Lower Upper
 248 100
 250 202.7 78.2 117.4#
 141 412.3 71.9 107.9#



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: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

Instrument :

BNA_F

ClientSampleId :

113016-02

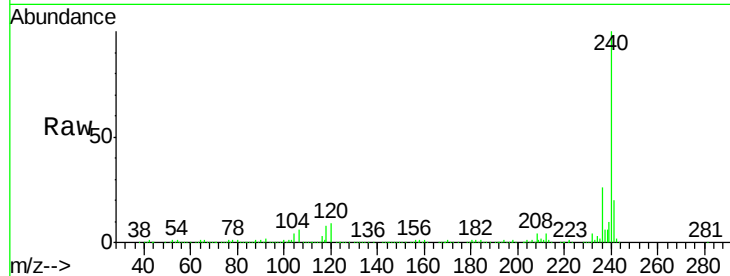
Tgt Ion:240 Resp: 888880

Ion Ratio Lower Upper

240 100

120 9.3 12.1 18.1#

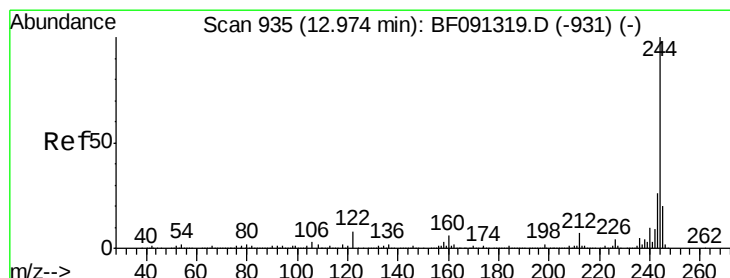
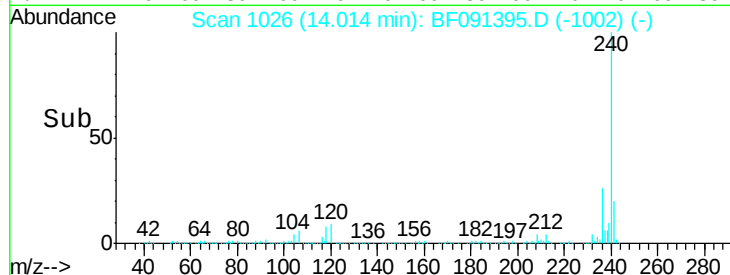
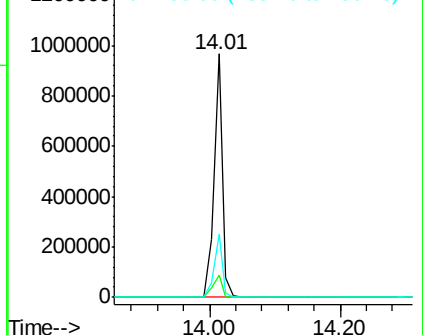
236 26.1 21.0 31.6



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: 50.00 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091395.D

Acq: 2 Dec 2016 18:01

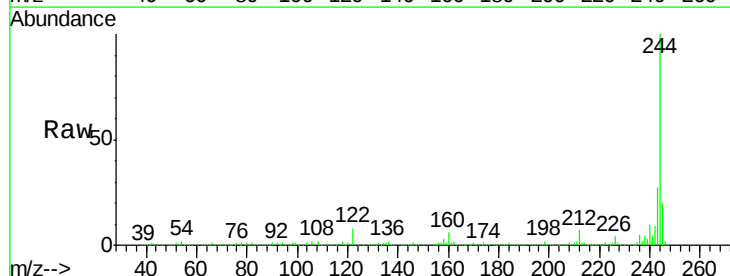
Tgt Ion:244 Resp: 2044984

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

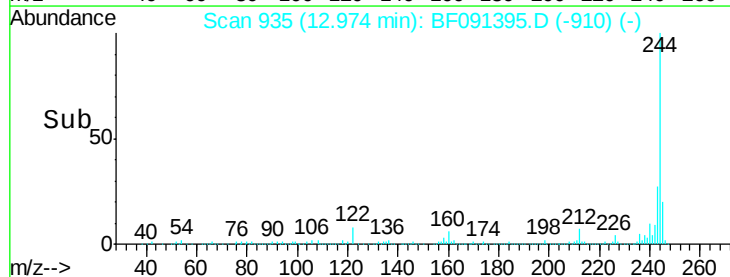
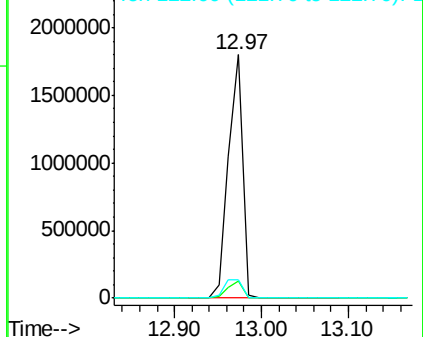
122 7.6 9.5 14.3#

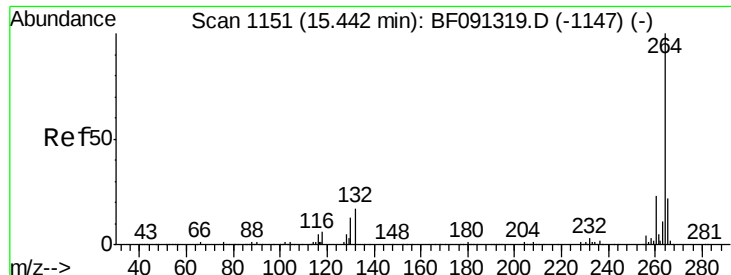


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

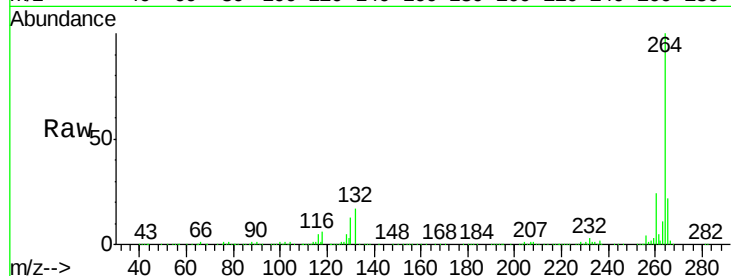




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091395.D
Acq: 2 Dec 2016 18:01

Instrument :
BNA_F
ClientSampleId :
113016-02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.8	17.0	25.6



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

