

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091896.D
 Acq On : 22 Dec 2016 19:54
 Operator : UM/SJ
 Sample : H6068-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Quant Time: Dec 23 00:41:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	176334	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	686651	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	342831	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	397450	20.00	ng	0.01
75) Chrysene-d12	13.91	240	359725	20.00	ng	0.00
86) Perylene-d12	15.30	264	309838	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1403900	132.94	ng	0.06
7) Phenol-d6	6.45	99	1711575	132.75	ng	0.05
23) Nitrobenzene-d5	7.32	82	1143788	92.63	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	270605	95.38	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	1896887	118.44	ng	0.00
78) Terphenyl-d14	12.86	244	1159668	78.18	ng	0.01

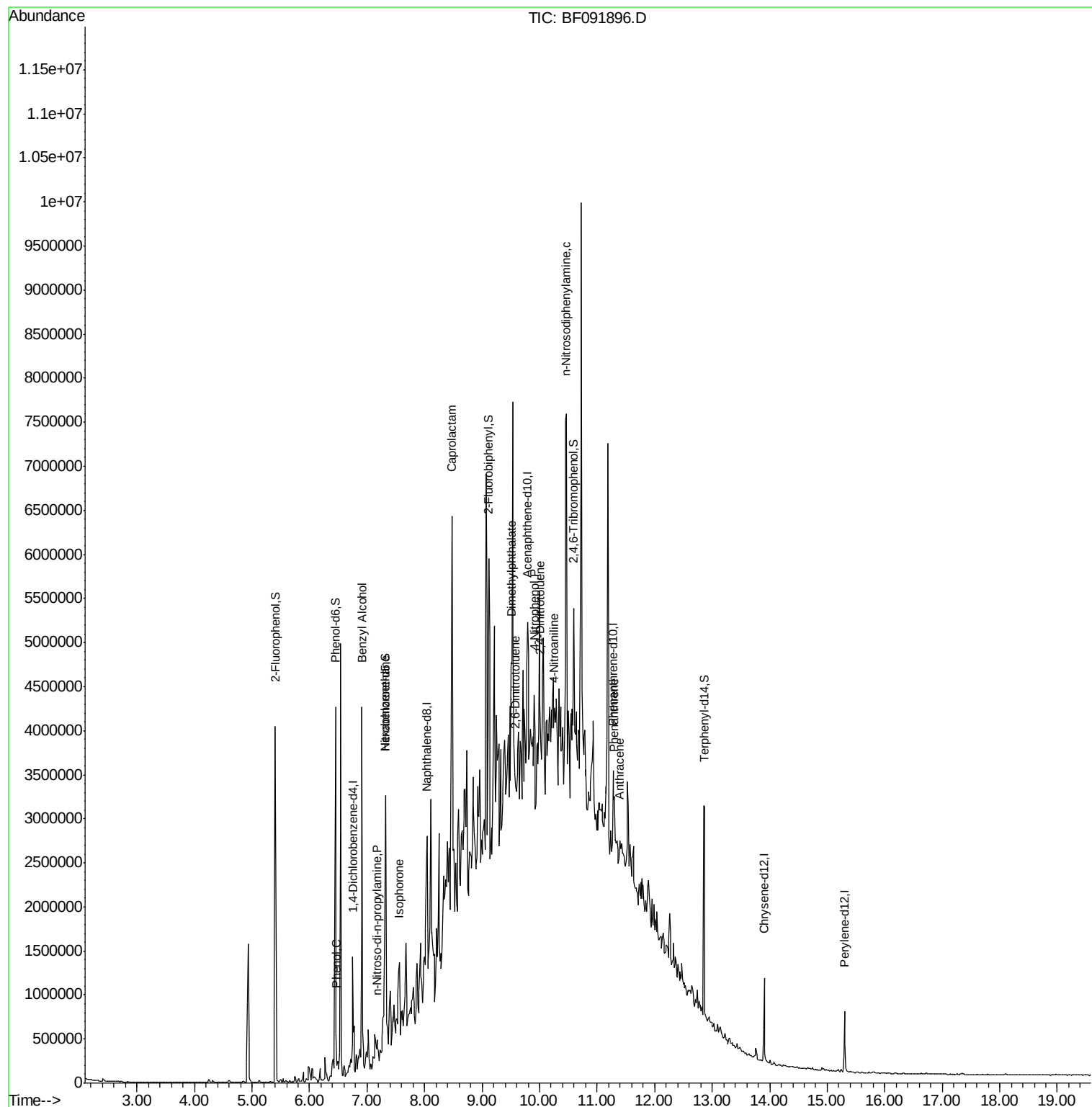
Target Compounds						Qvalue
10) Phenol	6.46	94	76447	5.20	ng	# 72
15) Benzyl Alcohol	6.91	79	23802	2.38	ng	# 43
18) Hexachloroethane	7.32	117	29175	6.03	ng	# 4
19) n-Nitroso-di-n-propylamine	7.17	70	19607	2.29	ng	# 67
25) Isophorone	7.56	82	59045	2.59	ng	# 1
35) Caprolactam	8.48	113	143733	48.02	ng	# 1
49) Dimethylphthalate	9.52	163	172662	7.87	ng	# 93
50) 2,6-Dinitrotoluene	9.57	165	14665	3.06	ng	# 68
55) 4-Nitrophenol	9.90	139	29992	7.44	ng	# 1
56) 2,4-Dinitrotoluene	10.01	165	14723	2.44	ng	# 50
61) 4-Nitroaniline	10.25	138	17098	2.78	ng	# 99
65) n-Nitrosodiphenylamine	10.45	169	156137	13.24	ng	# 50
70) Phenanthrene	11.30	178	96348	4.47	ng	# 86
71) Anthracene	11.39	178	65822	2.10	ng	# 1
73) Di-n-butylphthalate	11.84	149	8119	Below	Cal	# 30
74) Fluoranthene	12.49	202	21848	Below	Cal	# 81
76) Benizidine	12.58	184	1505	Below	Cal	# 1

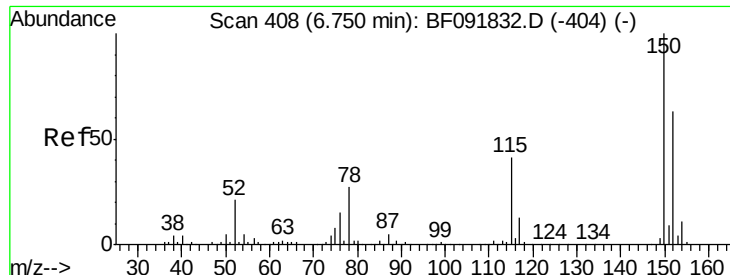
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampleId :

B-5

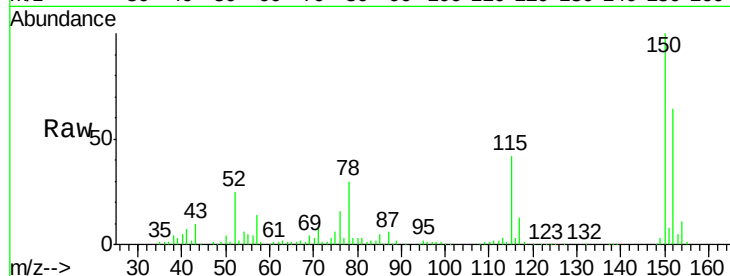
Tgt Ion:152 Resp: 176334

Ion Ratio Lower Upper

152 100

150 157.4 124.9 187.3

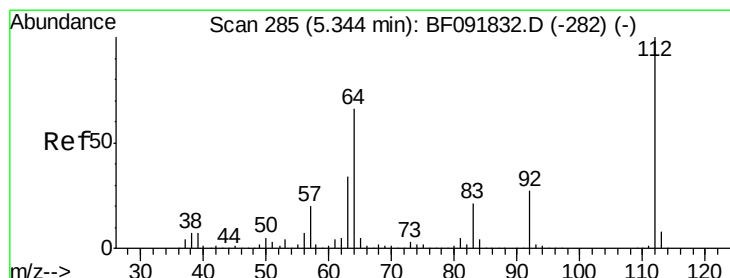
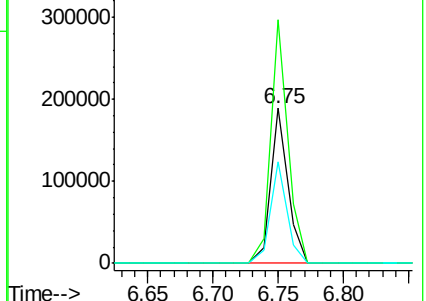
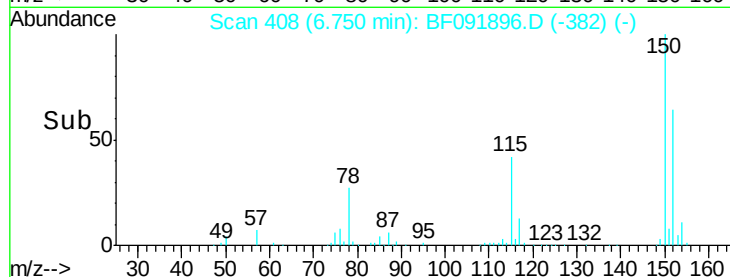
115 65.6 46.0 69.0



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: 132.94 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

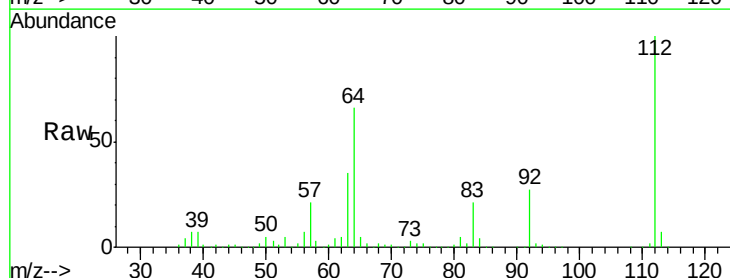
Tgt Ion:112 Resp: 1403900

Ion Ratio Lower Upper

112 100

64 66.5 46.1 69.1

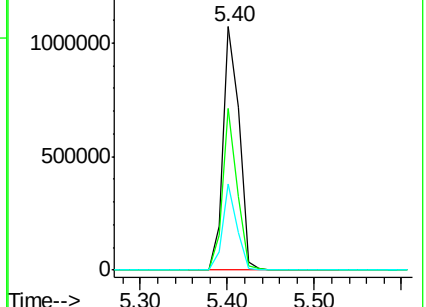
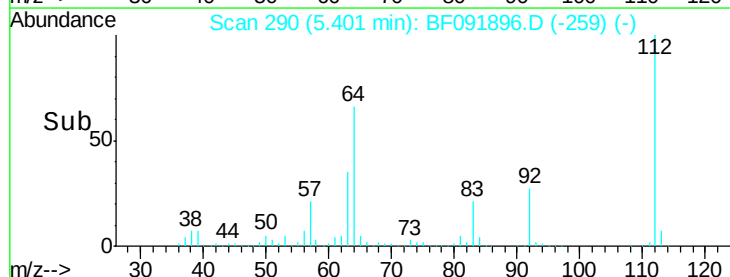
63 35.2 23.8 35.6

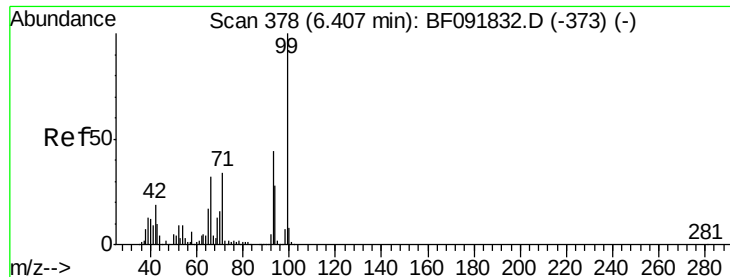


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.75 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampleId :

B-5

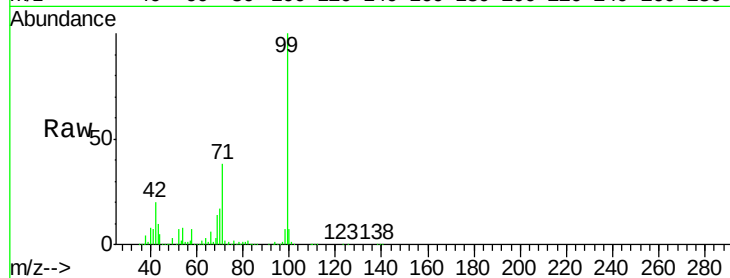
Tgt Ion: 99 Resp: 1711575

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

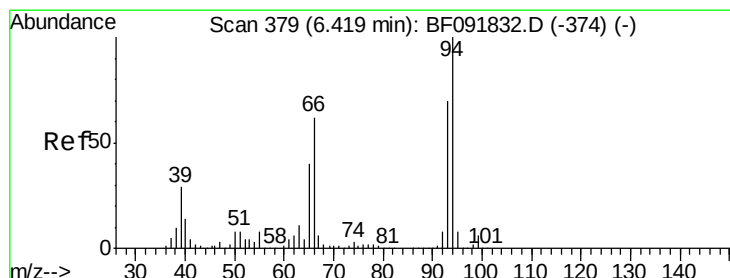
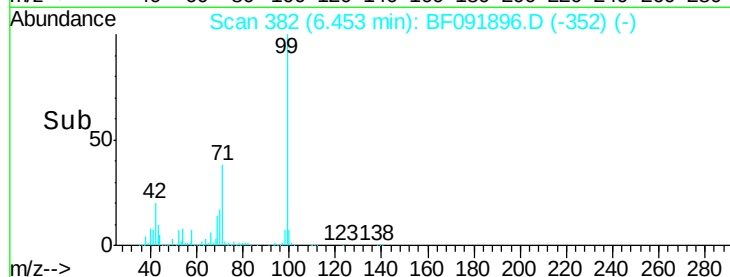
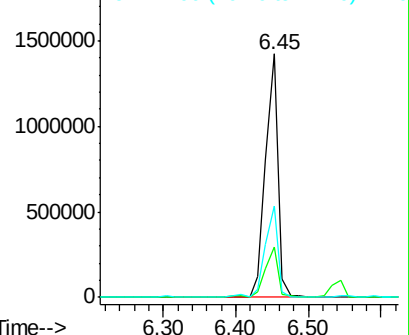
71 37.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.20 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

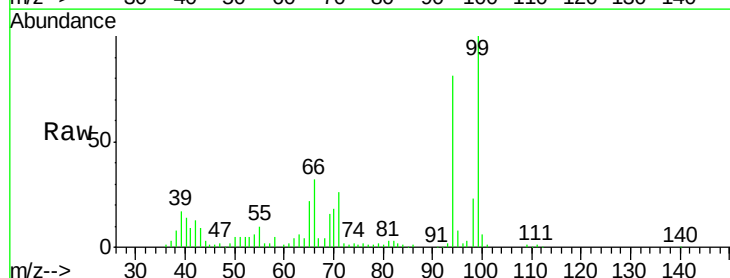
Tgt Ion: 94 Resp: 76447

Ion Ratio Lower Upper

94 100

65 27.2 21.4 61.4

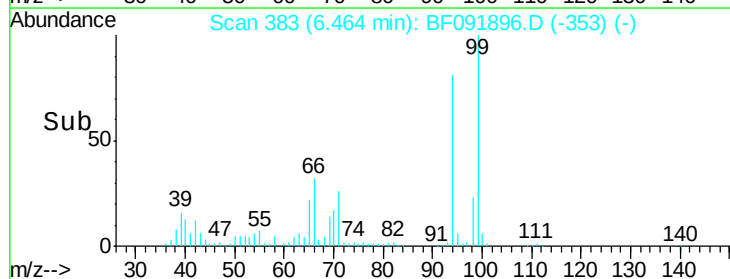
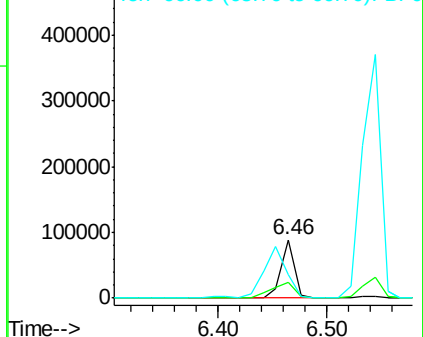
66 39.4 44.0 84.0#

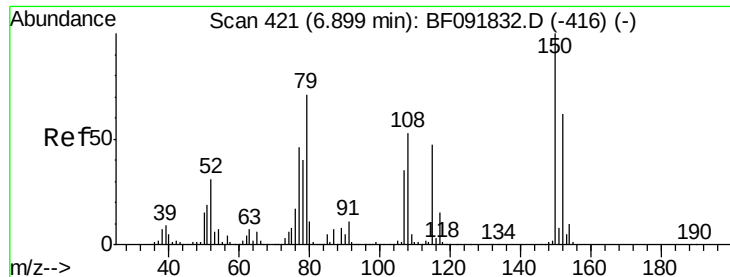


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampleId :

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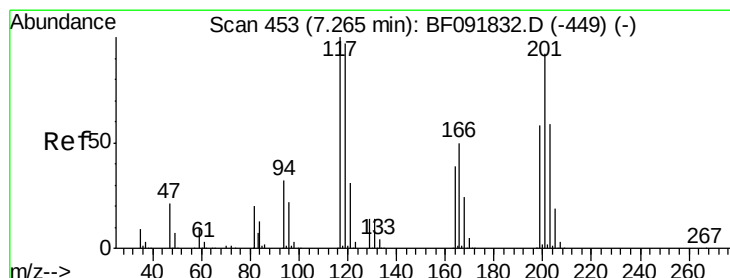
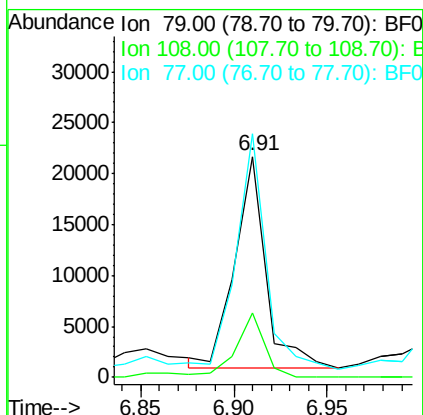
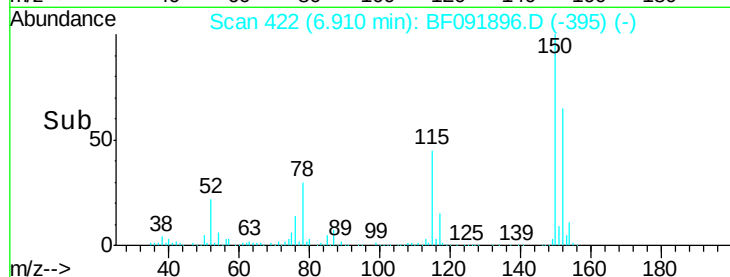
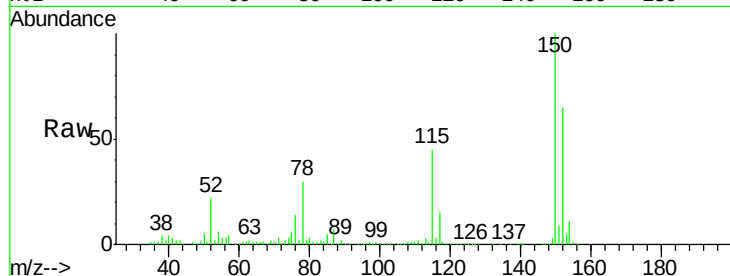
Tgt Ion: 79 Resp: 23802

Ion Ratio Lower Upper

79 100

108 28.9 61.4 92.0#

77 110.1 50.9 76.3#



#18

Hexachloroethane

Concen: 6.03 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.06 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

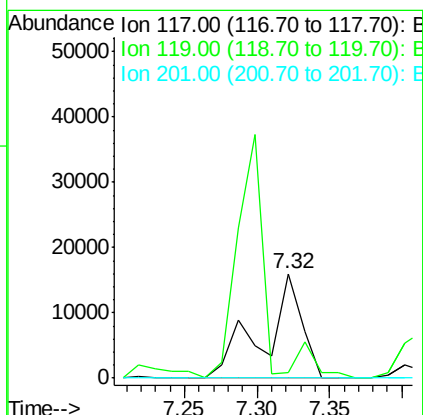
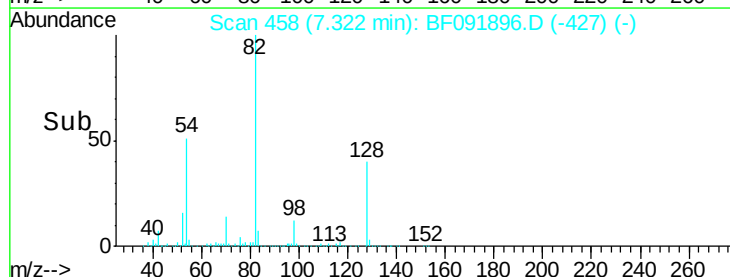
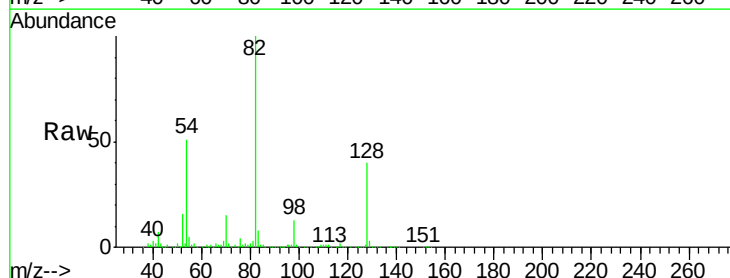
Tgt Ion: 117 Resp: 29175

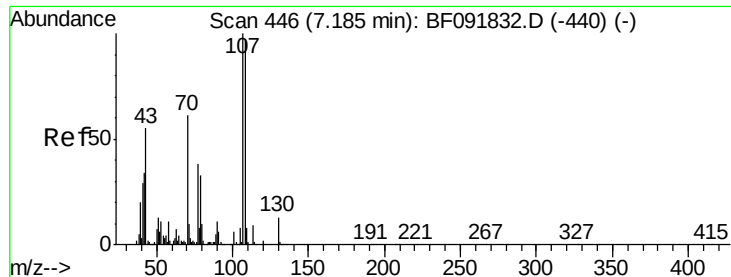
Ion Ratio Lower Upper

117 100

119 5.7 78.1 117.1#

201 0.0 78.6 117.8#

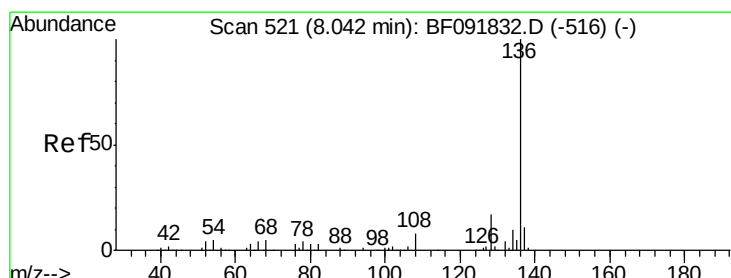
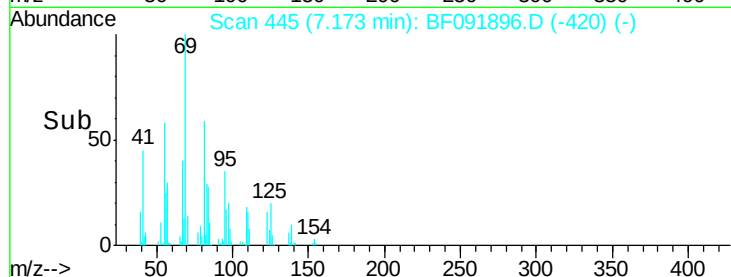
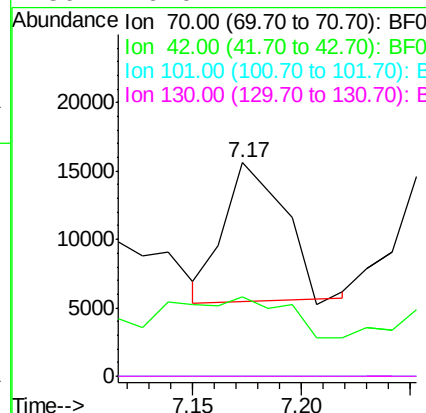
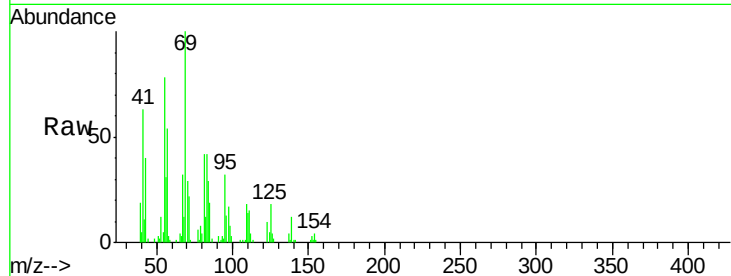




#19
n-Nitroso-di-n-propylamine
Concen: 2.29 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF091896.D
Acq: 22 Dec 2016 19:54

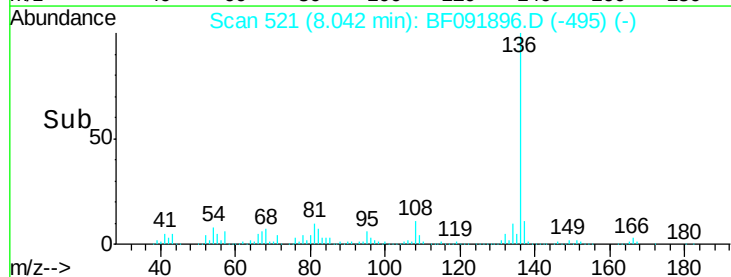
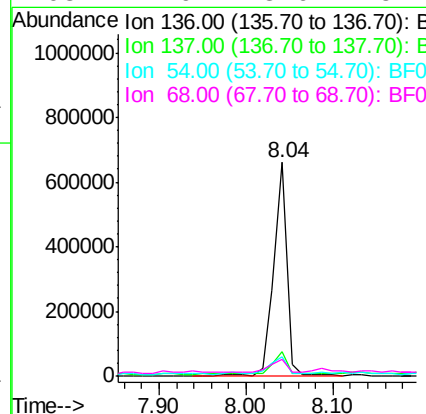
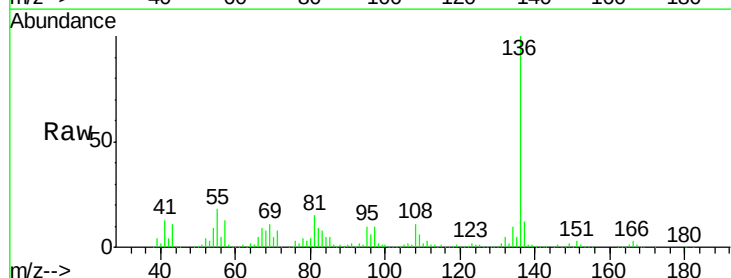
Instrument :
BNA_F
ClientSampled :
B-5

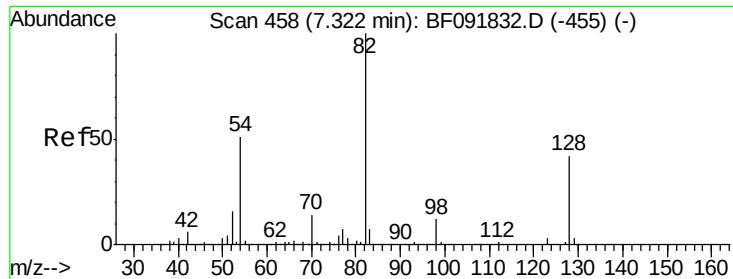
Tgt Ion: 70 Resp: 19607
Ion Ratio Lower Upper
70 100
42 37.2 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF091896.D
Acq: 22 Dec 2016 19:54

Tgt Ion: 136 Resp: 686651
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 8.8 4.5 6.7#
68 7.9 3.6 5.4#

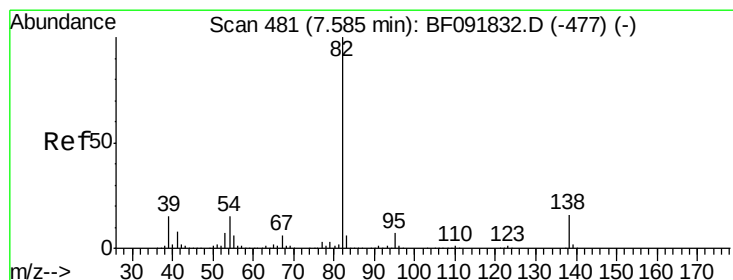
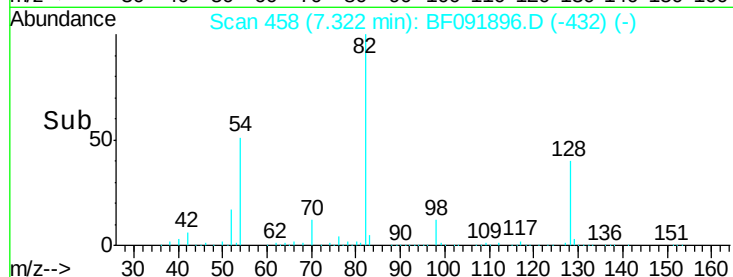
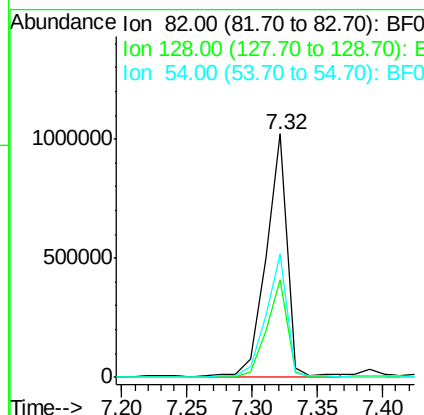
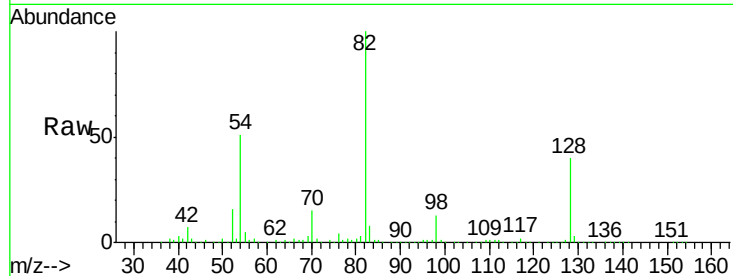




#23
 Nitrobenzene-d5
 Concen: 92.63 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

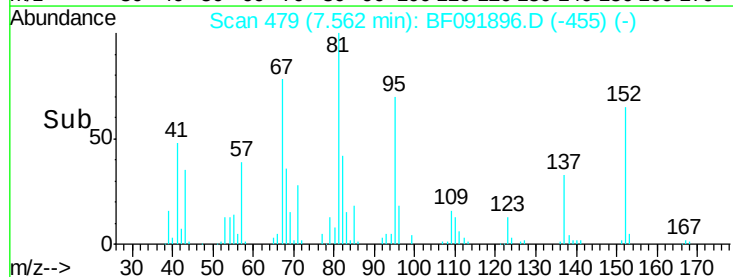
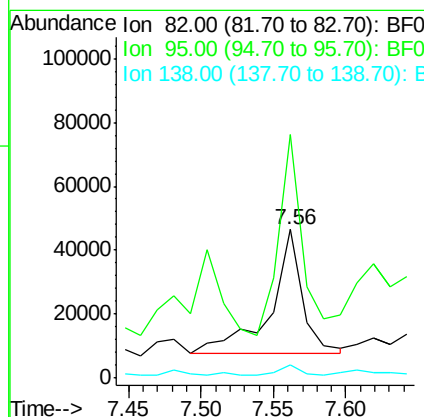
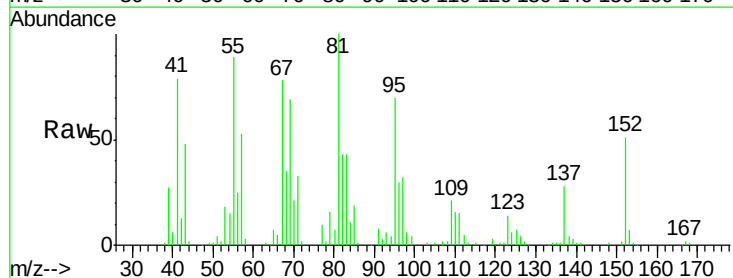
Instrument :
 BNA_F
 ClientSampleId :
 B-5

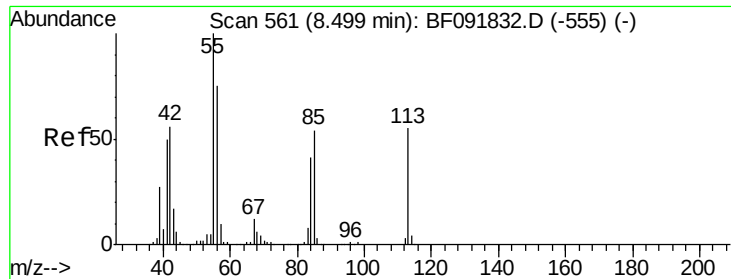
Tgt Ion: 82 Resp: 1143788
 Ion Ratio Lower Upper
 82 100
 128 40.2 34.6 52.0
 54 50.8 39.5 59.3



#25
 Isophorone
 Concen: 2.59 ng
 RT: 7.56 min Scan# 479
 Delta R.T. -0.02 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

Tgt Ion: 82 Resp: 59045
 Ion Ratio Lower Upper
 82 100
 95 164.2 5.6 8.4#
 138 8.7 14.6 22.0#

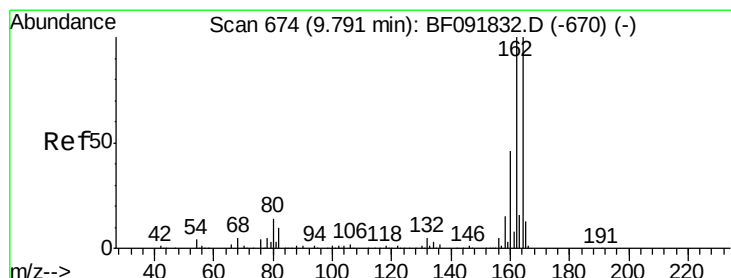
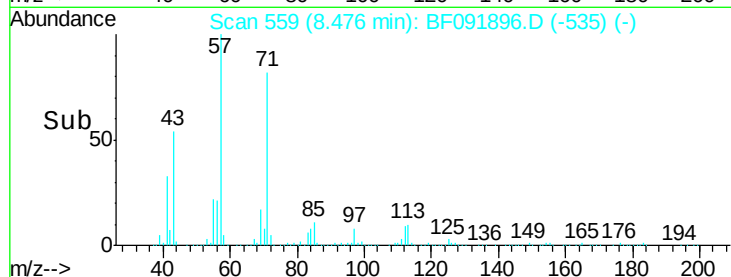
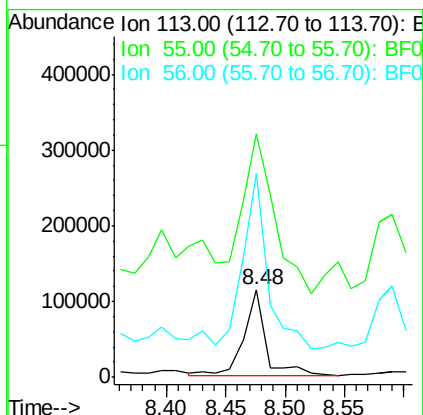
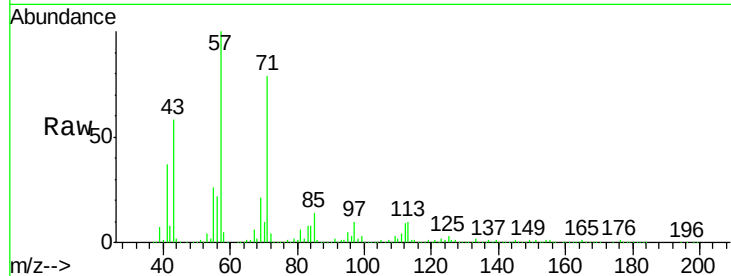




#35
 Caprolactam
 Concen: 48.02 ng
 RT: 8.48 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

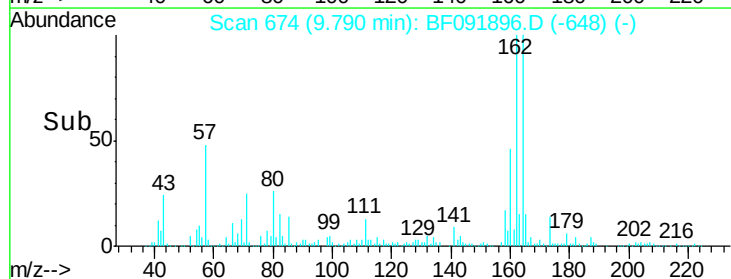
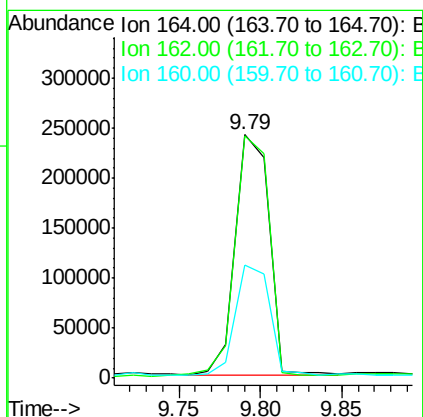
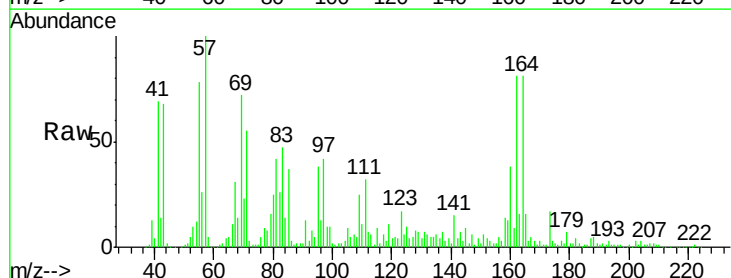
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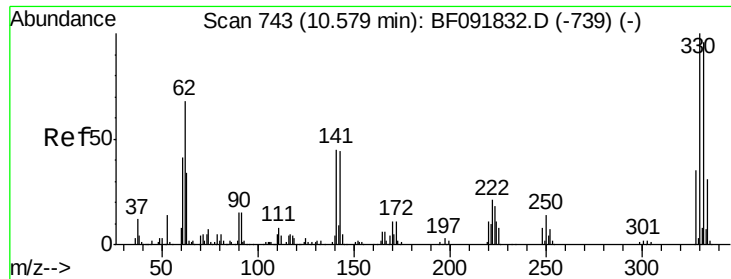
Tgt Ion:113 Resp: 143733
 Ion Ratio Lower Upper
 113 100
 55 277.2 119.2 159.2#
 56 231.5 83.8 123.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

Tgt Ion:164 Resp: 342831
 Ion Ratio Lower Upper
 164 100
 162 99.5 80.2 120.2
 160 46.3 36.9 55.3

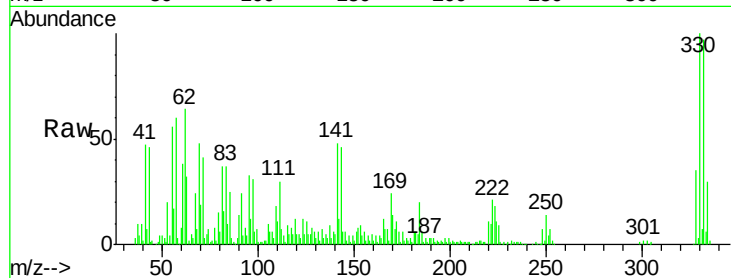




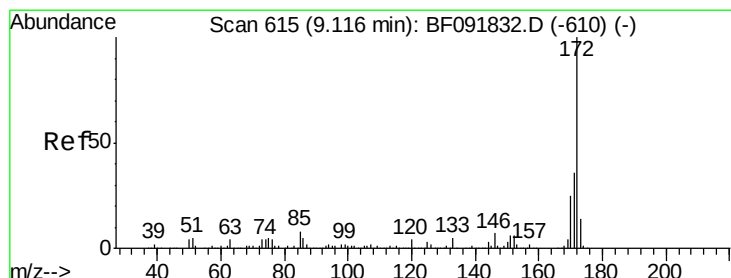
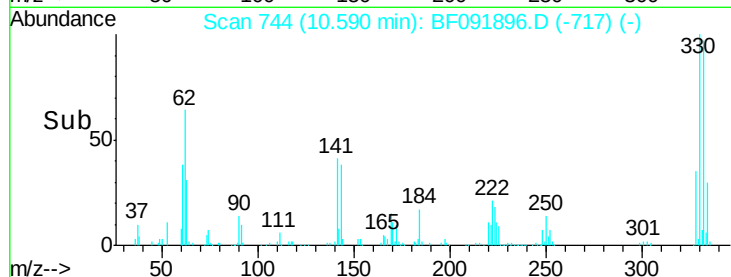
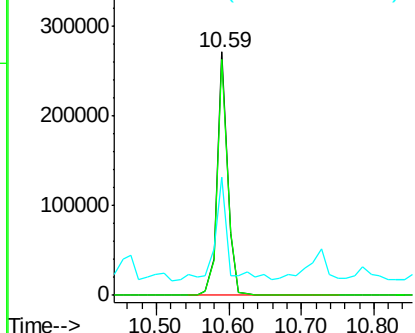
#41
 2,4,6-Tribromophenol
 Concen: 95.38 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 270605
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.4 116.2
 141 45.6 34.1 51.1

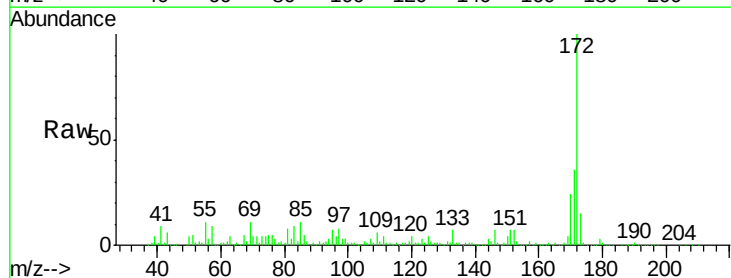


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

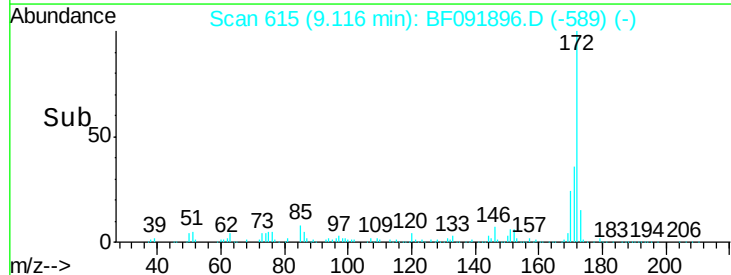
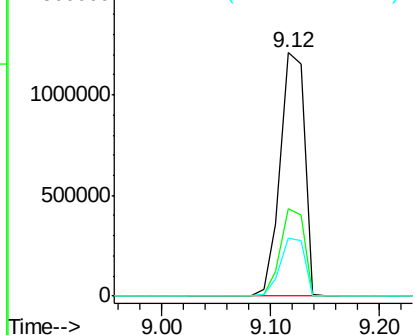


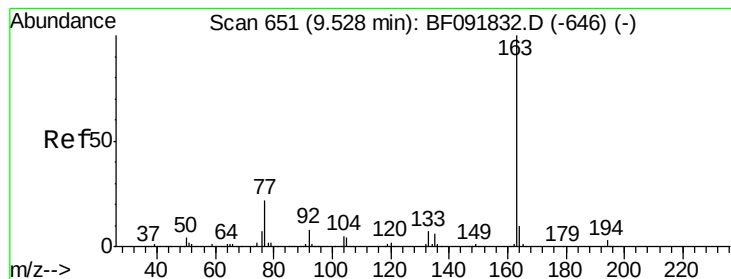
#44
 2-Fluorobiphenyl
 Concen: 118.44 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

Tgt Ion:172 Resp: 1896887
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 23.9 20.2 30.4



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: 7.87 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampleId :

B-5

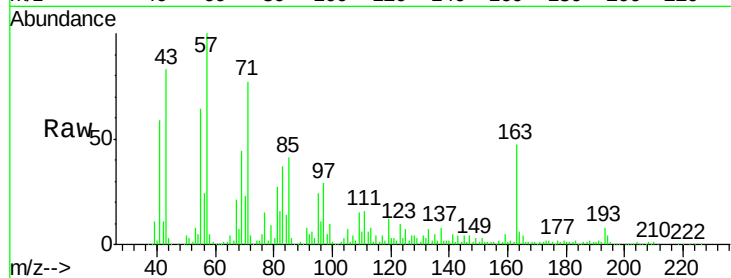
Tgt Ion:163 Resp: 172662

Ion Ratio Lower Upper

163 100

194 8.1 3.0 4.4#

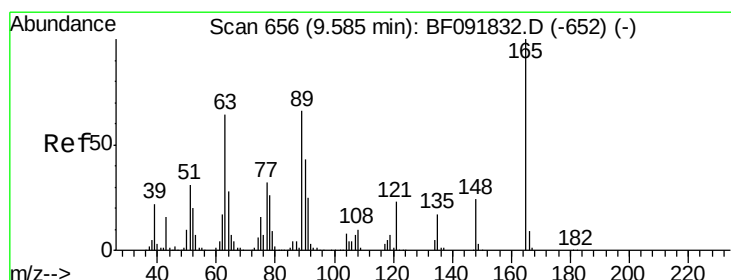
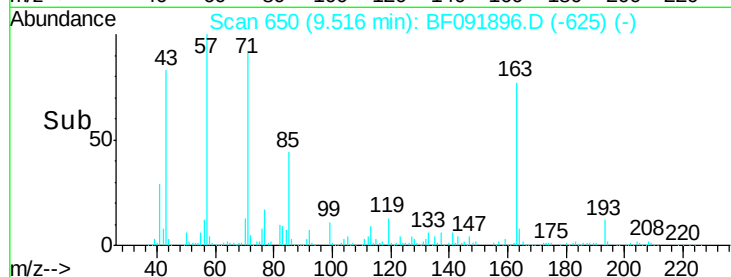
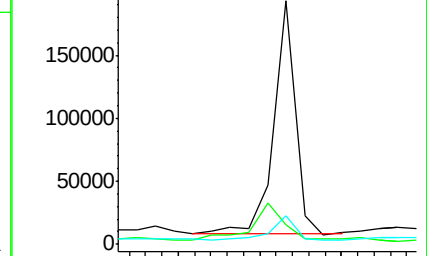
164 11.7 8.0 12.0



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



#50

2,6-Dinitrotoluene

Concen: 3.06 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

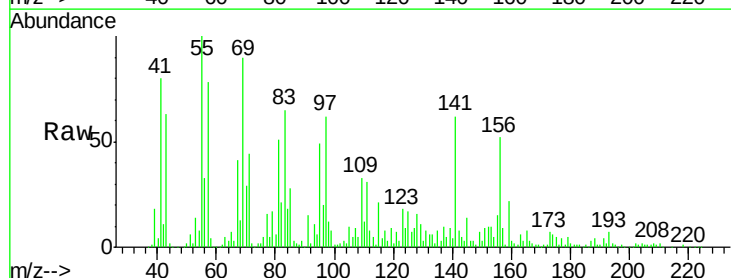
Tgt Ion:165 Resp: 14665

Ion Ratio Lower Upper

165 100

63 71.4 36.2 54.4#

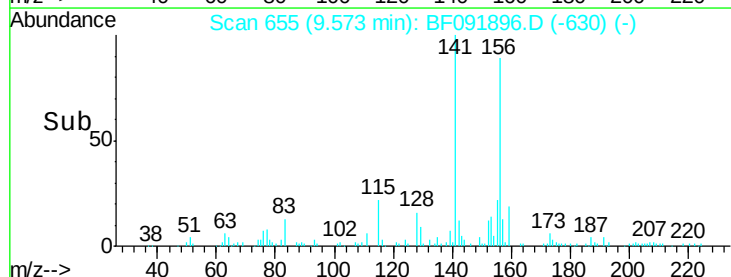
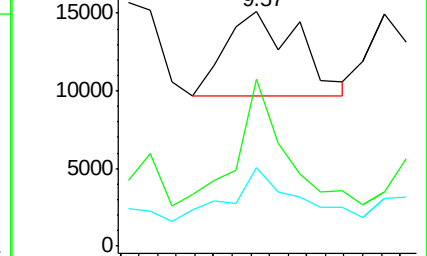
89 33.5 40.2 60.4#

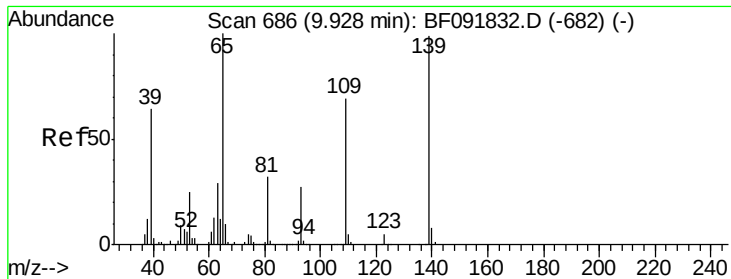


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#55

4-Nitrophenol

Concen: 7.44 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampled :

B-5

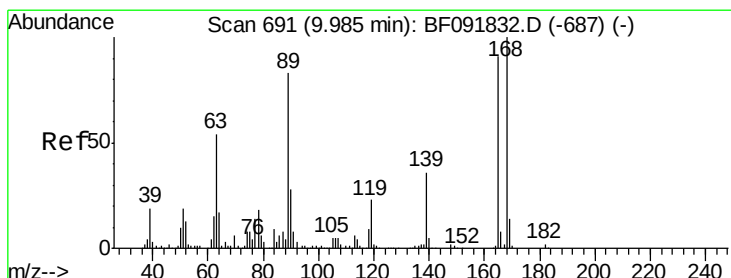
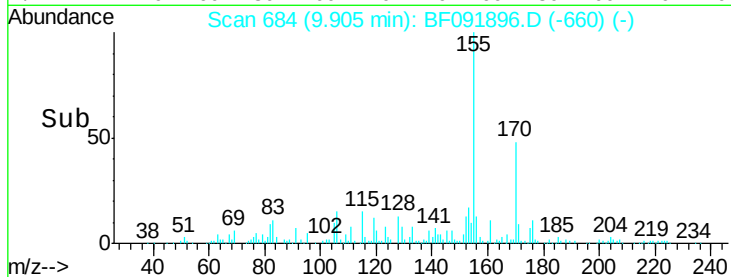
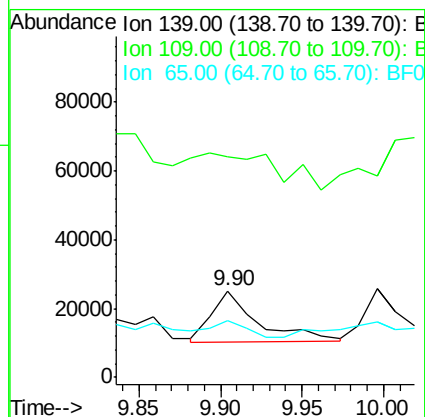
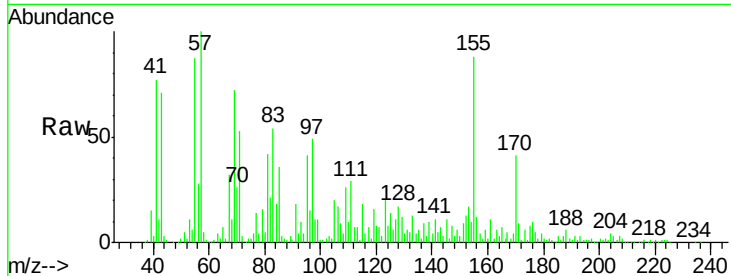
Tgt Ion:139 Resp: 29992

Ion Ratio Lower Upper

139 100

109 255.2 52.2 92.2#

65 66.3 85.8 125.8#



#56

2,4-Dinitrotoluene

Concen: 2.44 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.02 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Tgt Ion:165 Resp: 14723

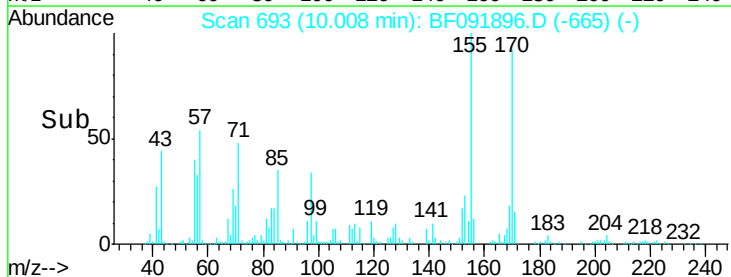
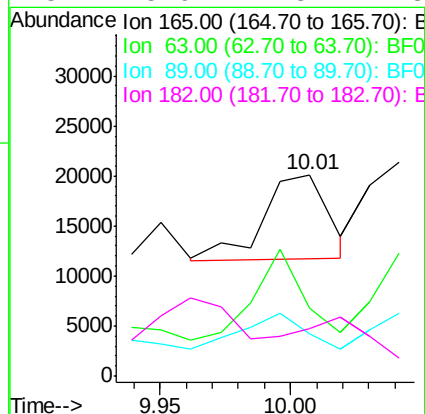
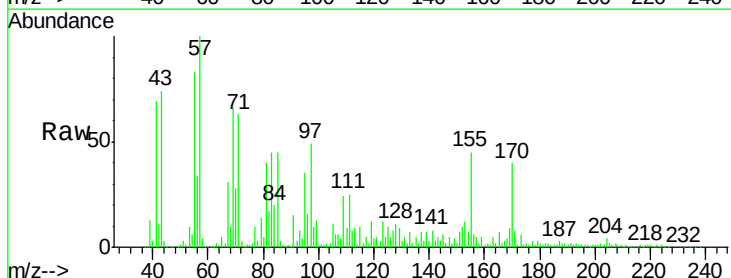
Ion Ratio Lower Upper

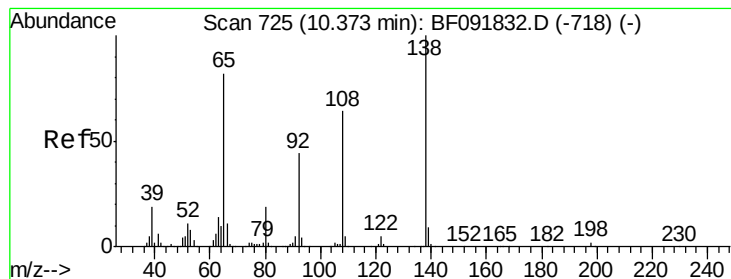
165 100

63 33.8 40.2 60.4#

89 20.7 62.5 93.7#

182 23.6 1.8 2.8#

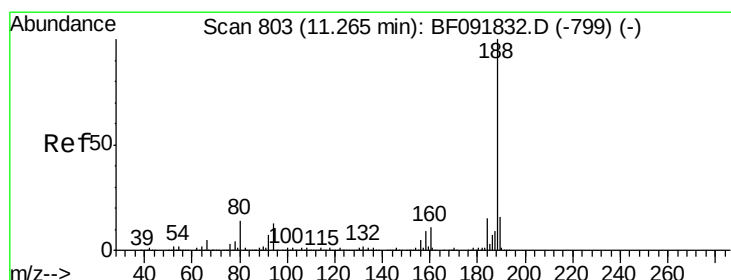
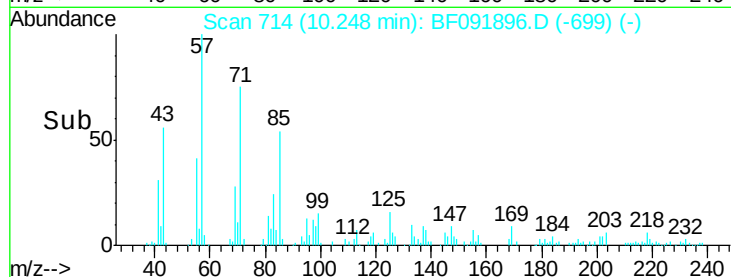
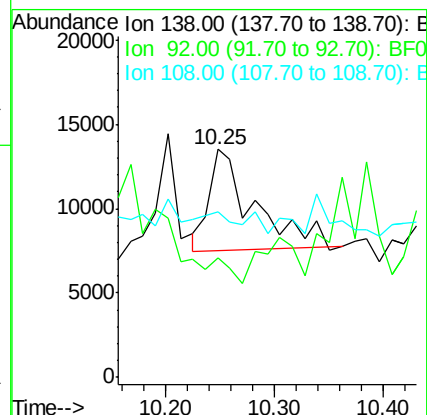
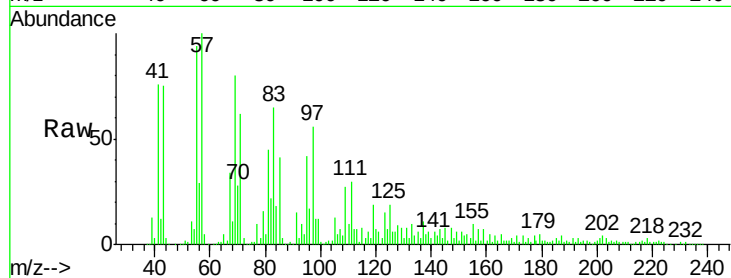




#61
4-Nitroaniline
Concen: 2.78 ng
RT: 10.25 min Scan# 714
Delta R.T. -0.13 min
Lab File: BF091896.D
Acq: 22 Dec 2016 19:54

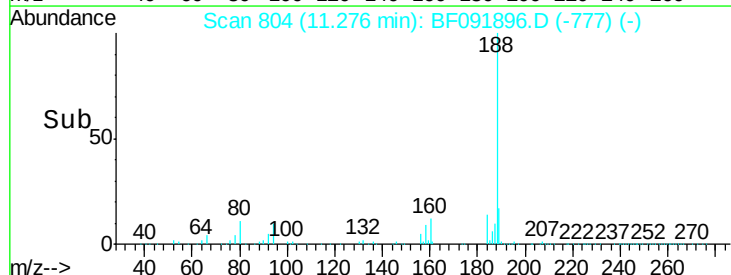
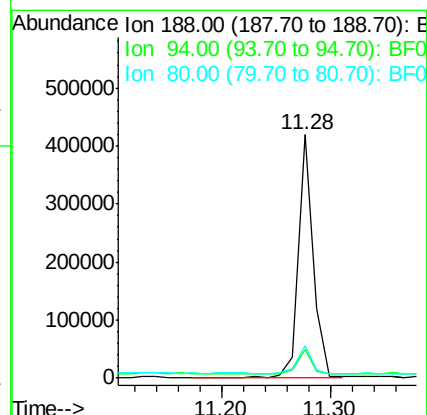
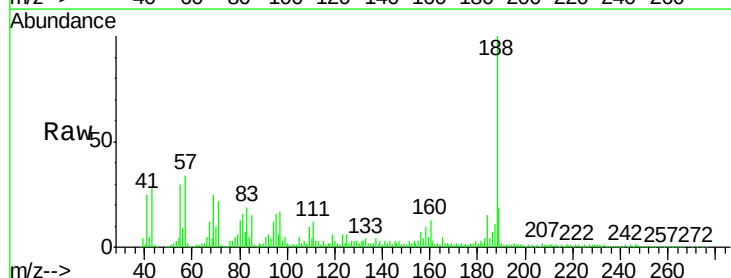
Instrument :
BNA_F
ClientSampleId :
B-5

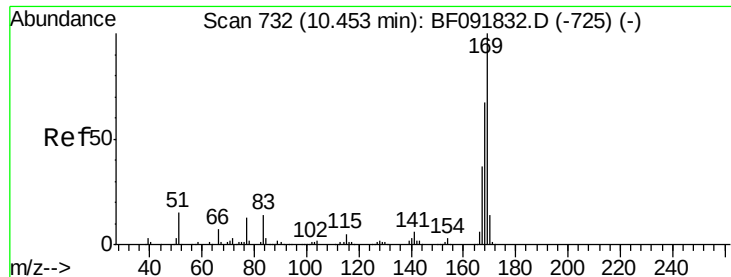
Tgt Ion:138 Resp: 17098
Ion Ratio Lower Upper
138 100
92 52.6 31.7 71.7
108 72.5 52.6 92.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF091896.D
Acq: 22 Dec 2016 19:54

Tgt Ion:188 Resp: 397450
Ion Ratio Lower Upper
188 100
94 11.7 10.0 15.0
80 13.2 11.2 16.8





#65

n-Nitrosodiphenylamine

Concen: 13.24 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampleId :

B-5

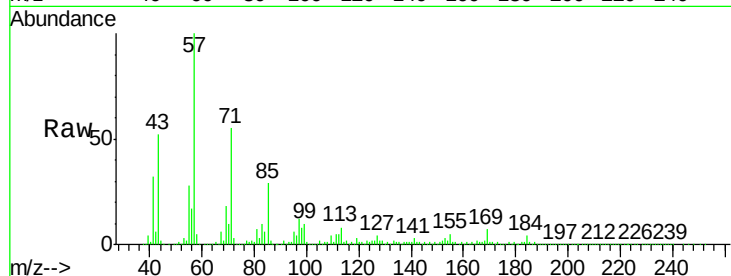
Tgt Ion:169 Resp: 156137

Ion Ratio Lower Upper

169 100

168 22.5 54.2 81.2#

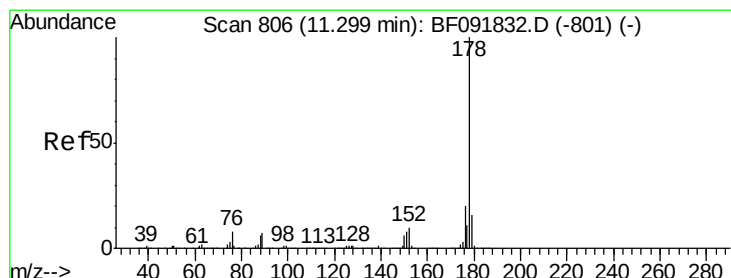
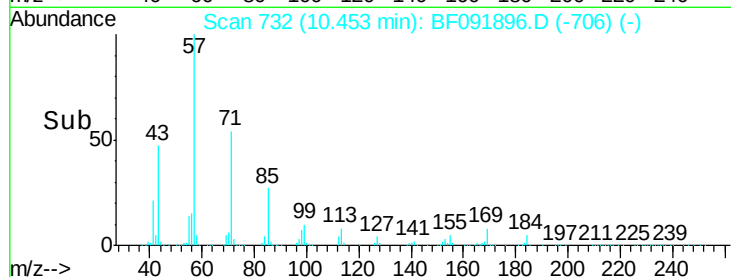
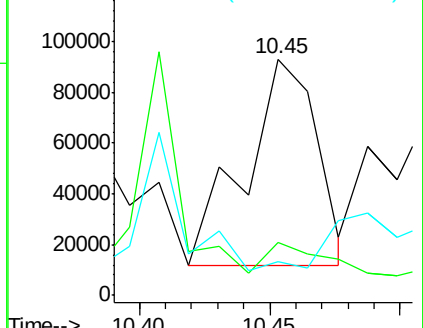
167 14.5 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 4.47 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

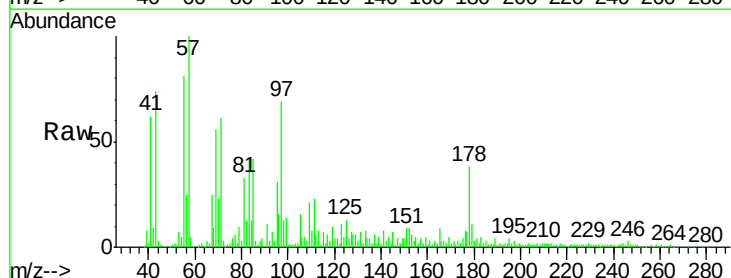
Tgt Ion:178 Resp: 96348

Ion Ratio Lower Upper

178 100

176 21.0 16.6 25.0

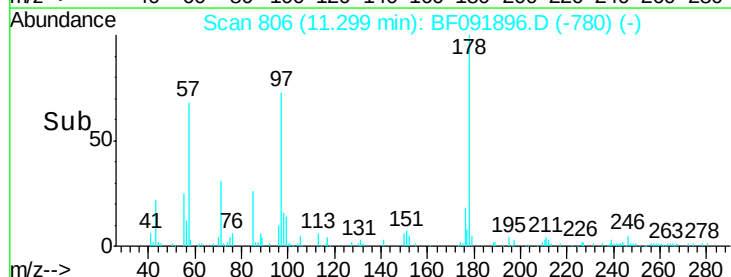
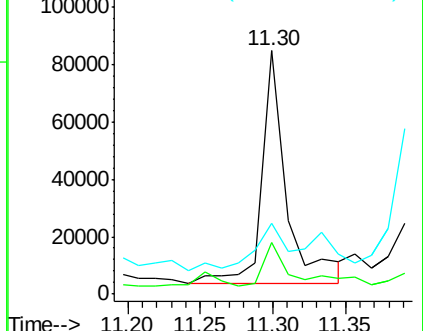
179 29.0 12.8 19.2#

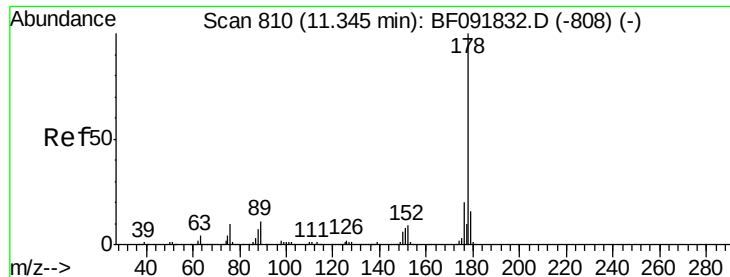


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

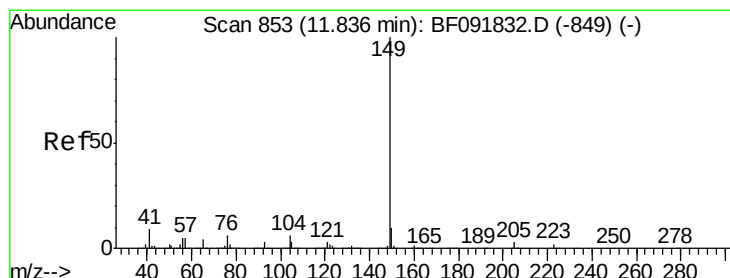
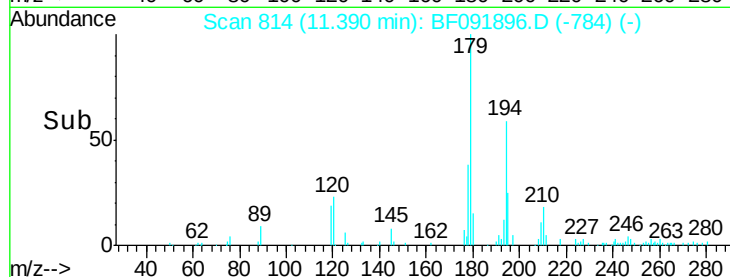
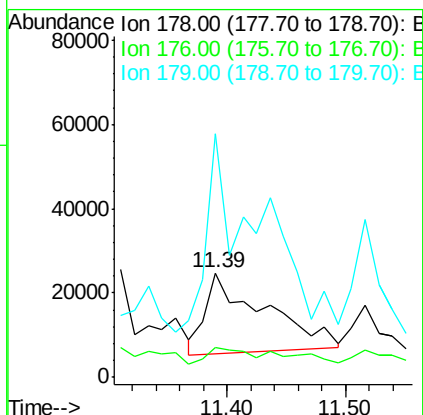
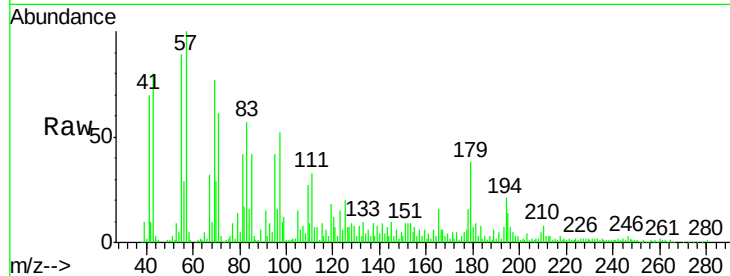




#71
 Anthracene
 Concen: 2.10 ng
 RT: 11.39 min Scan# 814
 Delta R.T. 0.05 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

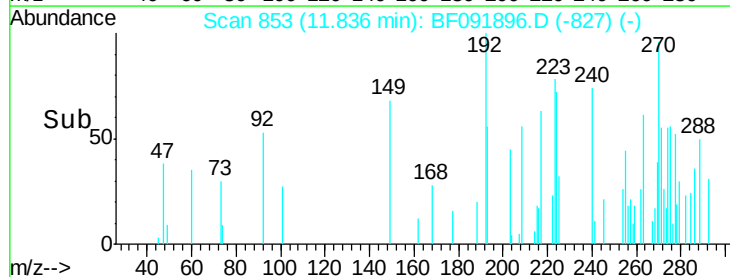
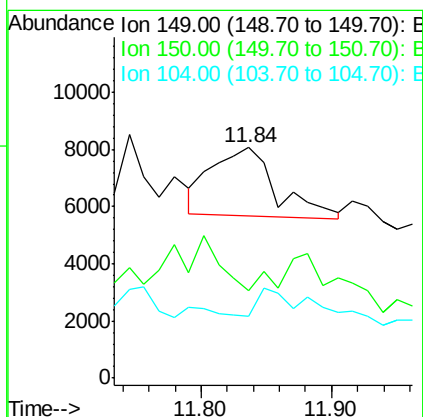
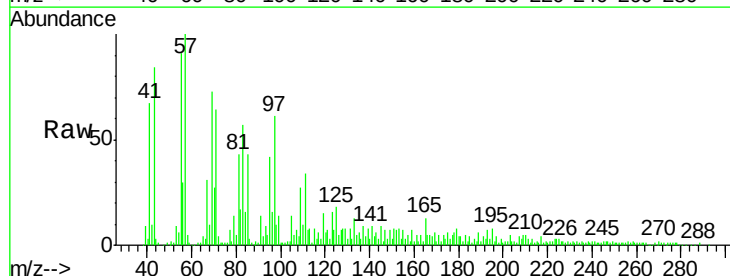
Instrument :
 BNA_F
 ClientSampleId :
 B-5

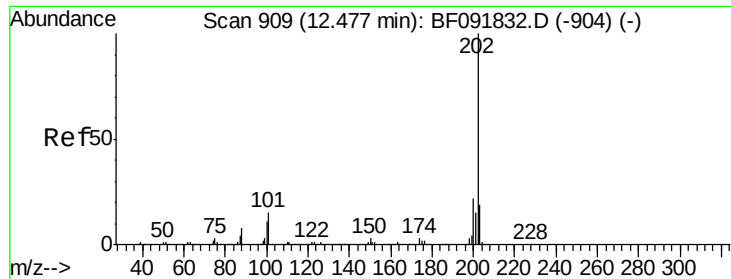
Tgt Ion:178 Resp: 65822
 Ion Ratio Lower Upper
 178 100
 176 28.9 15.9 23.9#
 179 233.6 13.2 19.8#



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.84 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: BF091896.D
 Acq: 22 Dec 2016 19:54

Tgt Ion:149 Resp: 8119
 Ion Ratio Lower Upper
 149 100
 150 37.9 8.1 12.1#
 104 26.7 4.6 7.0#





#74

Fluoranthene

Concen: Below Cal

RT: 12.49 min Scan# 910

Delta R.T. 0.01 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampleId :

B-5

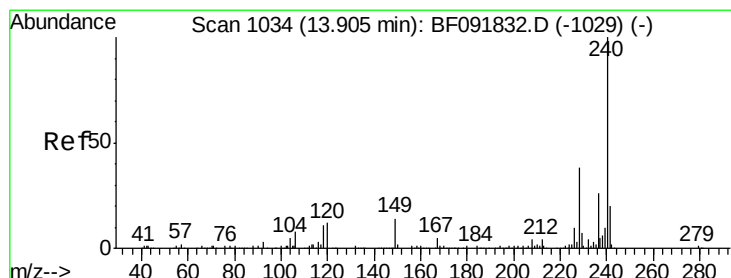
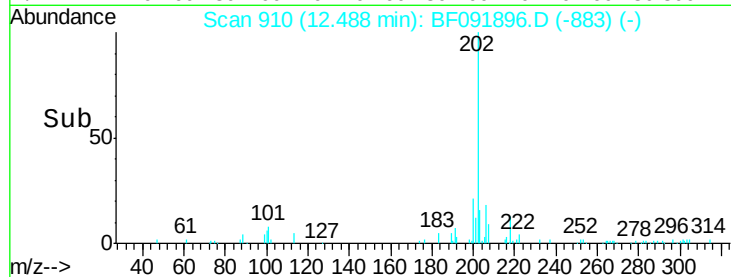
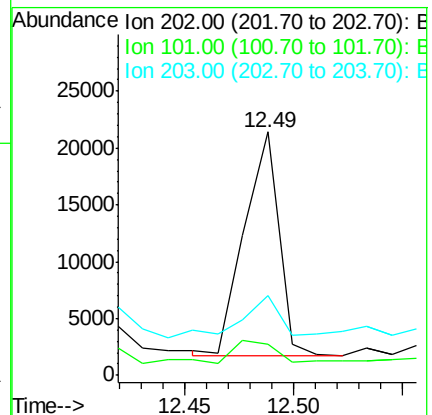
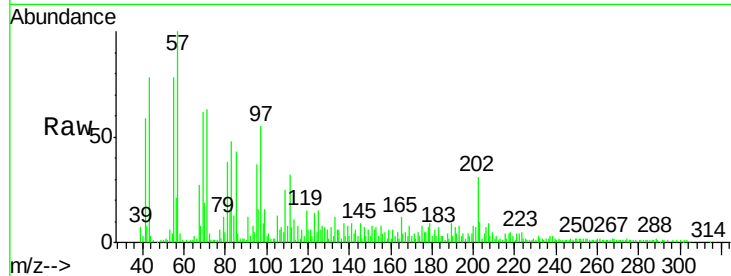
Tgt Ion:202 Resp: 21848

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.6

203 32.7 0.0 38.7



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

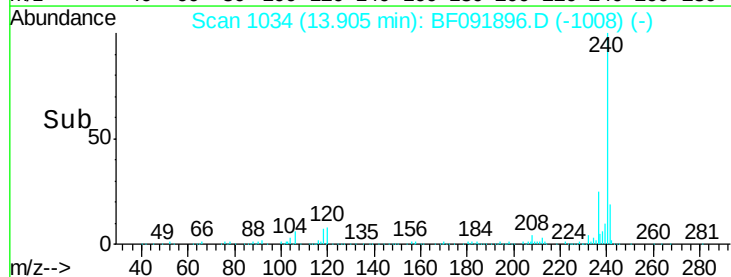
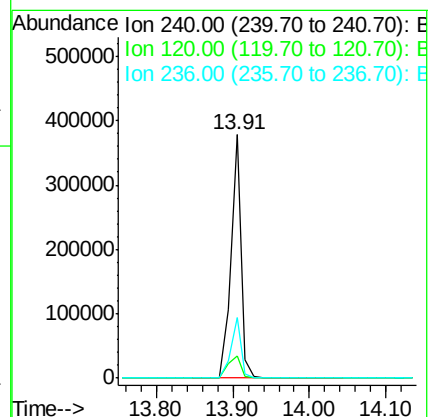
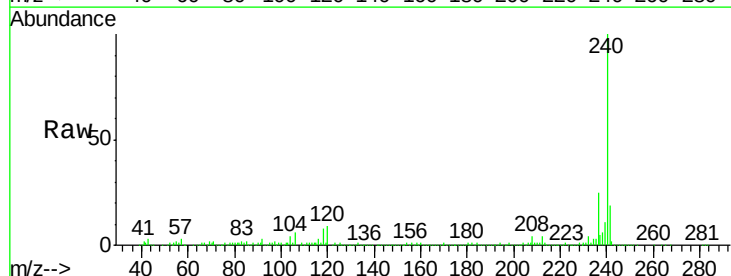
Tgt Ion:240 Resp: 359725

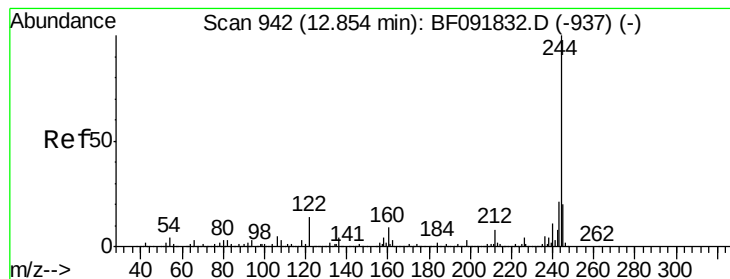
Ion Ratio Lower Upper

240 100

120 8.9 12.9 19.3#

236 25.1 20.9 31.3





#78

Terphenyl-d14

Concen: 78.18 ng

RT: 12.86 min Scan# 943

Delta R.T. 0.01 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

Instrument :

BNA_F

ClientSampleId :

B-5

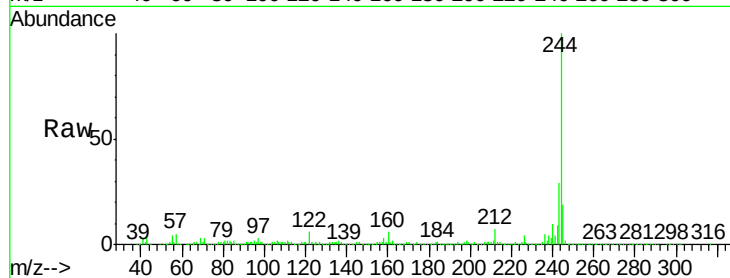
Tgt Ion:244 Resp: 1159668

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

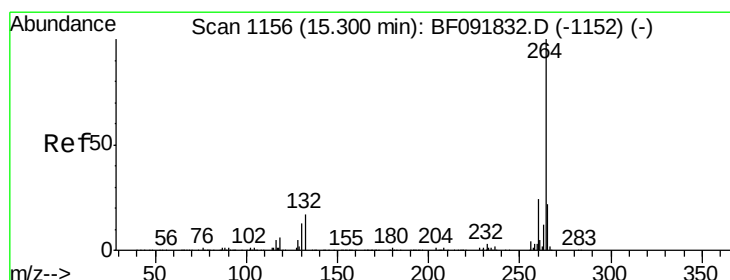
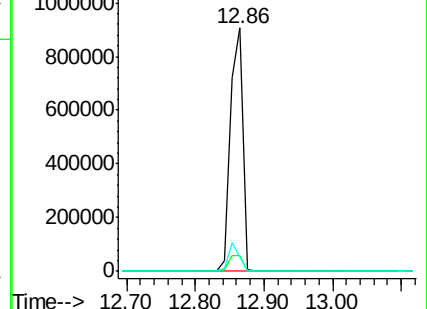
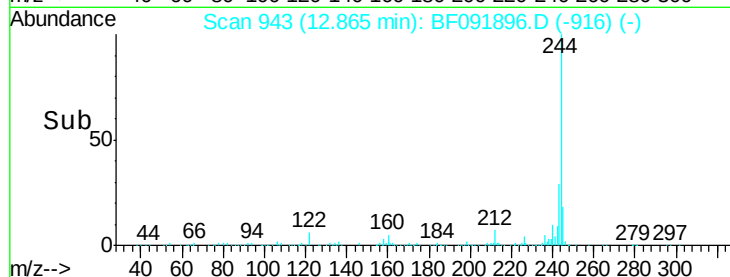
122 5.9 11.4 17.2#



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: 15.30 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BF091896.D

Acq: 22 Dec 2016 19:54

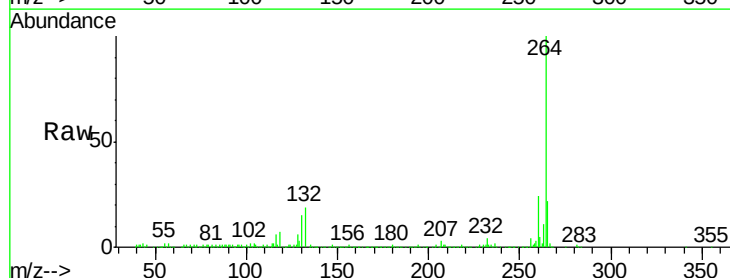
Tgt Ion:264 Resp: 309838

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.2 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

