

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010517\
 Data File : BF092106.D
 Acq On : 5 Jan 2017 23:15
 Operator : UM/SJ
 Sample : I1004-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-36

Quant Time: Jan 06 00:05:31 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	192615	20.00	ng	-0.05
21) Naphthalene-d8	7.94	136	720294	20.00	ng	-0.05
38) Acenaphthene-d10	9.69	164	479711	20.00	ng	-0.06
63) Phenanthrene-d10	11.18	188	524928	20.00	ng	-0.05
75) Chrysene-d12	13.80	240	418322	20.00	ng	-0.07
86) Perylene-d12	15.17	264	354505	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	877199	76.04	ng	-0.07
7) Phenol-d6	6.32	99	610451	43.34	ng	-0.06
23) Nitrobenzene-d5	7.22	82	1237171	95.51	ng	-0.06
41) 2,4,6-Tribromophenol	10.49	330	382650	96.39	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	1944606	82.71	ng	-0.05
78) Terphenyl-d14	12.76	244	1334361	77.36	ng	-0.06

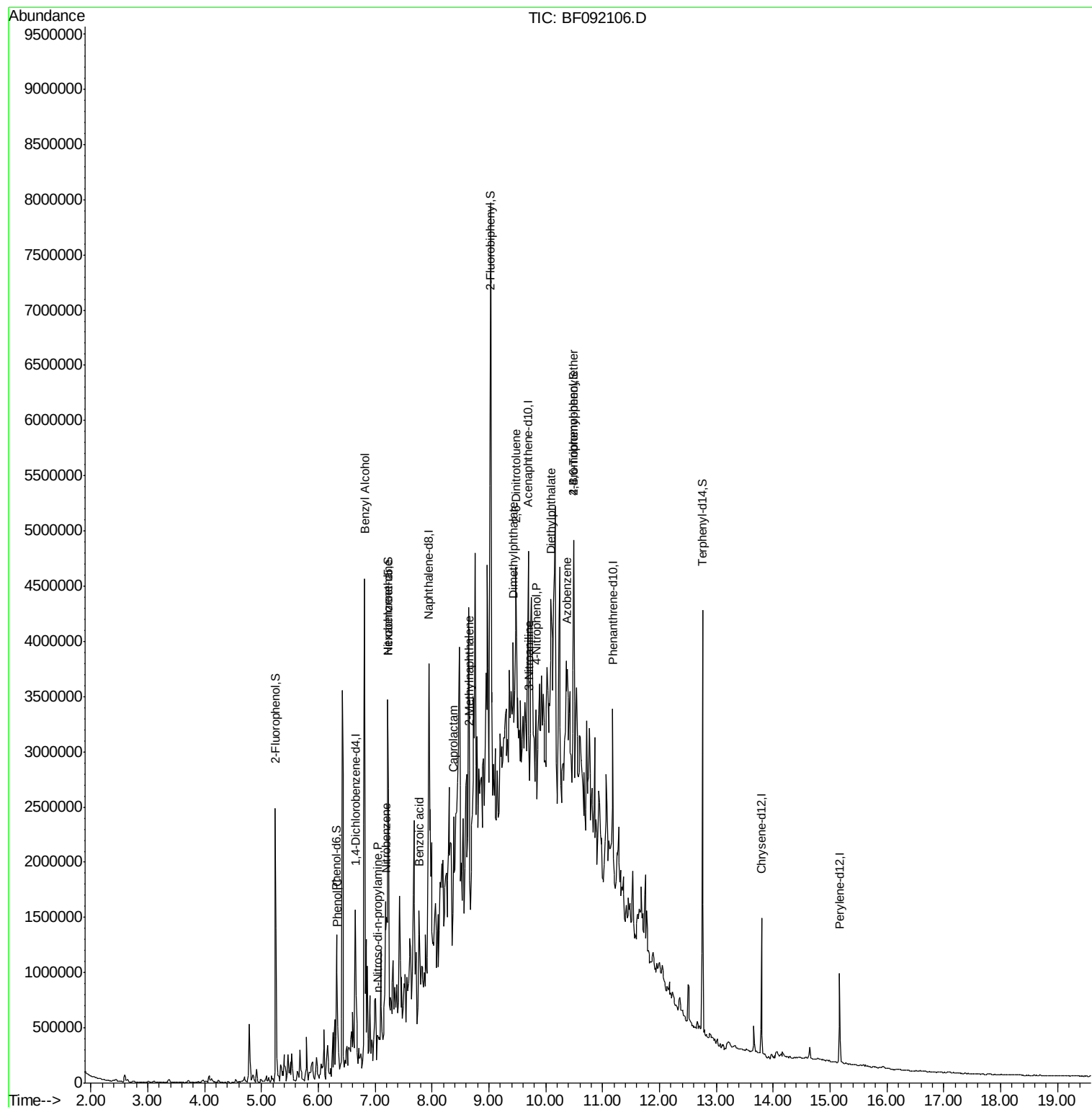
Target Compounds				Qvalue		
10) Phenol	6.33	94	94424	5.88	ng	91
15) Benzyl Alcohol	6.81	79	29976	2.74	ng	# 37
18) Hexachloroethane	7.22	117	479110	90.64	ng	# 2
19) n-Nitroso-di-n-propylamine	7.05	70	54814	5.85	ng	# 52
24) Nitrobenzene	7.20	77	82111	5.95	ng	# 25
32) Benzoic acid	7.77	122	19385	2.32	ng	# 73
35) Caprolactam	8.38	113	25537	8.13	ng	# 1
37) 2-Methylnaphthalene	8.65	142	129738	4.60	ng	# 91
49) Dimethylphthalate	9.43	163	127627	4.16	ng	# 31
50) 2,6-Dinitrotoluene	9.48	165	38510	5.73	ng	# 1
52) 3-Nitroaniline	9.70	138	31843	3.83	ng	# 4
55) 4-Nitrophenol	9.83	139	18986	3.36	ng	# 1
59) Diethylphthalate	10.09	149	521190	17.49	ng	# 78
62) Azobenzene	10.38	77	89156	2.72	ng	# 33
66) 4-Bromophenyl-phenylether	10.49	248	22906	4.19	ng	# 1
71) Anthracene	11.20	178	5402	Below	Cal	# 1
73) Di-n-butylphthalate	11.70	149	35859	Below	Cal	# 43
74) Fluoranthene	12.38	202	3101	Below	Cal	# 3
76) Benzidine	12.63	184	885	Below	Cal	# 1

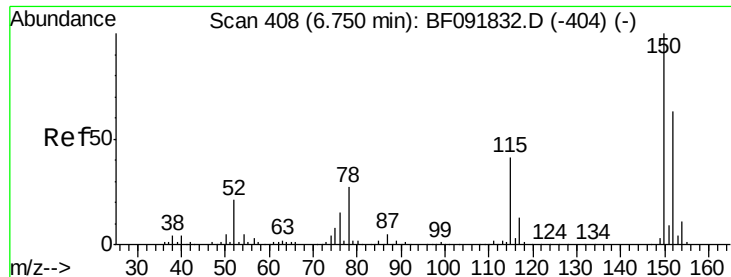
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampleId :

MW-36

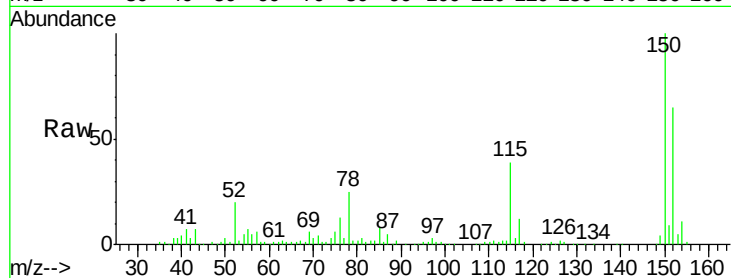
Tgt Ion:152 Resp: 192615

Ion Ratio Lower Upper

152 100

150 154.7 124.9 187.3

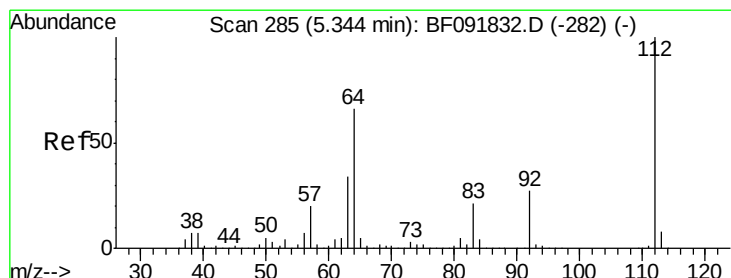
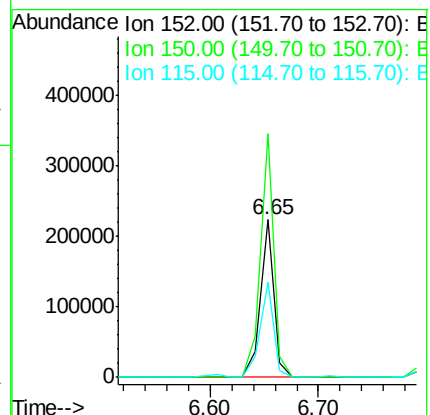
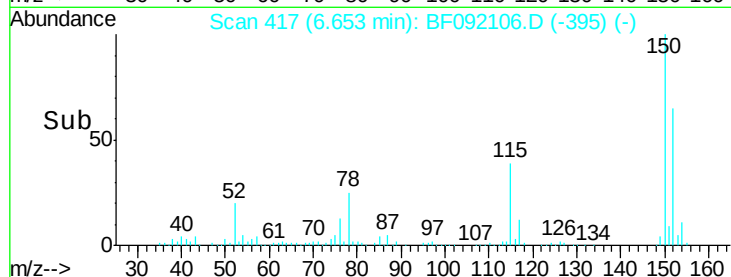
115 60.6 46.0 69.0



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: 76.04 ng

RT: 5.25 min Scan# 294

Delta R.T. -0.07 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

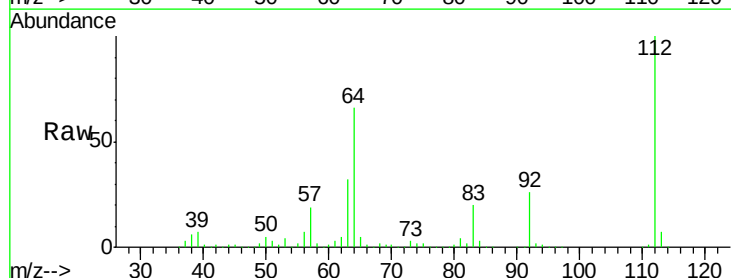
Tgt Ion:112 Resp: 877199

Ion Ratio Lower Upper

112 100

64 65.8 46.1 69.1

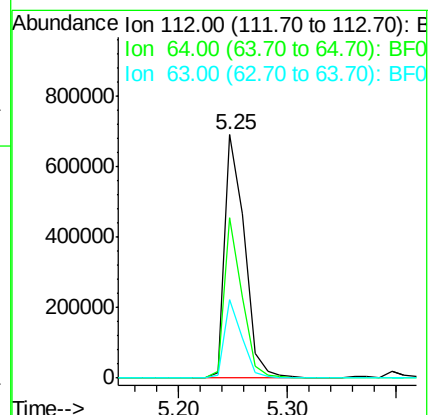
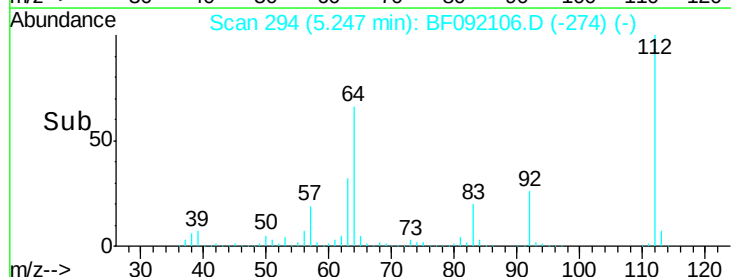
63 32.5 23.8 35.6

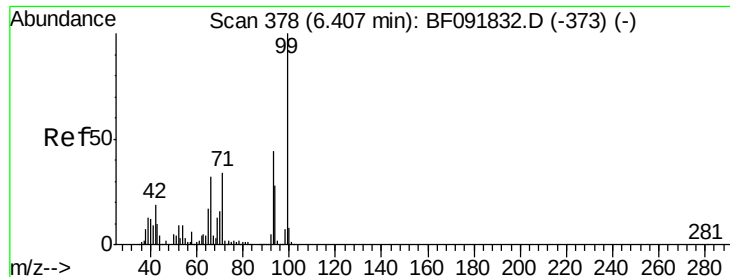


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.34 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.06 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampled :

MW-36

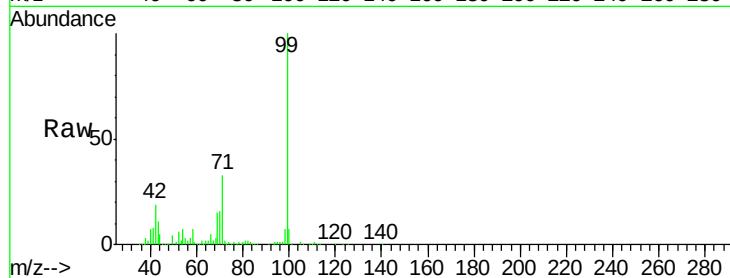
Tgt Ion: 99 Resp: 610451

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

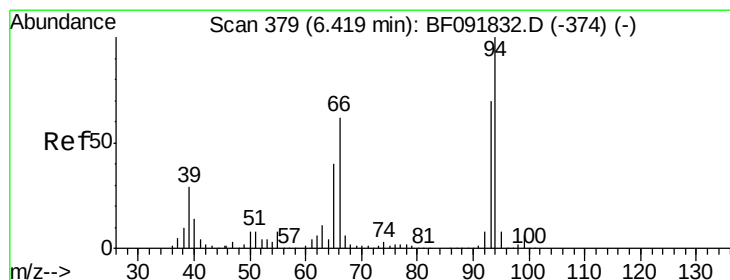
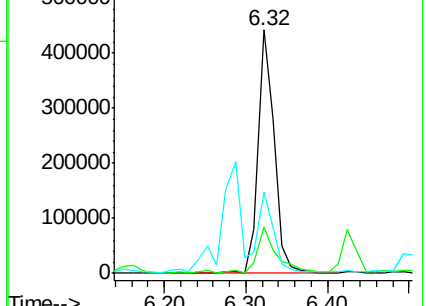
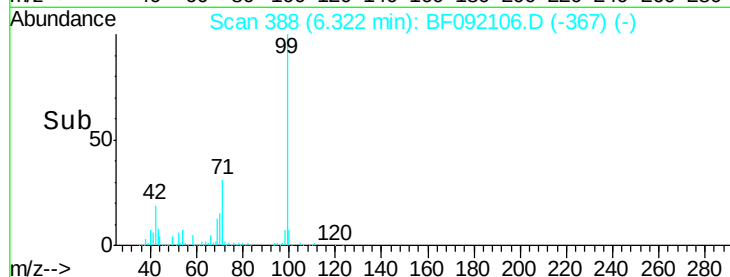
71 33.1 27.5 41.3



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: 5.88 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.06 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

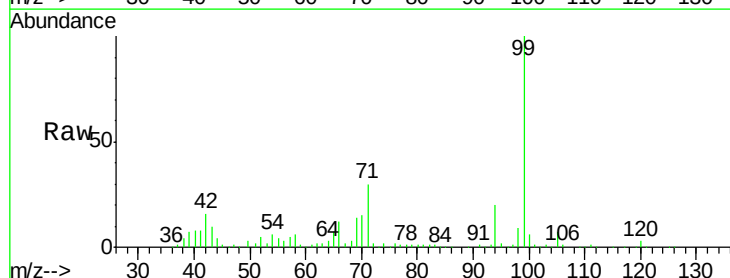
Tgt Ion: 94 Resp: 94424

Ion Ratio Lower Upper

94 100

65 33.9 21.4 61.4

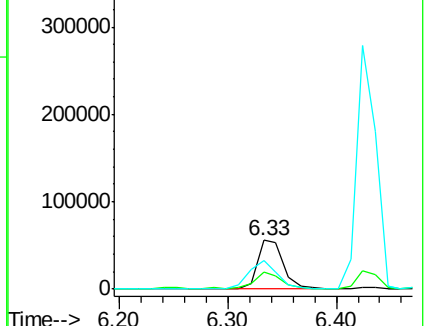
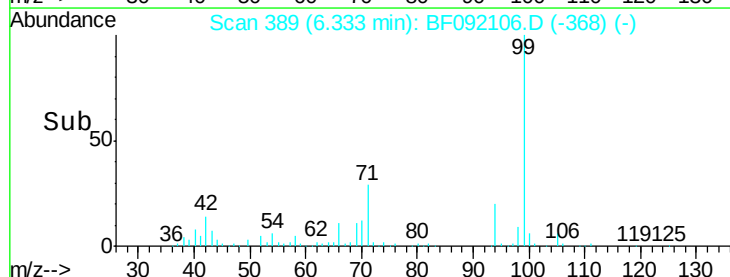
66 58.4 44.0 84.0

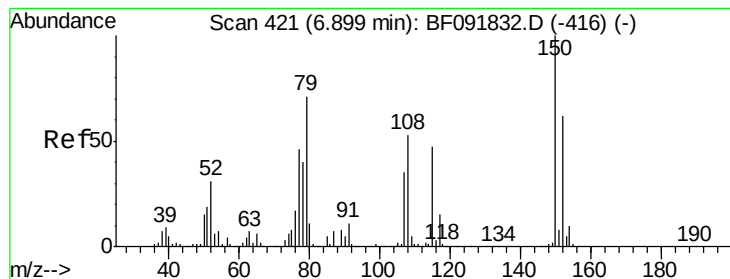


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.74 ng

RT: 6.81 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampleId :

MW-36

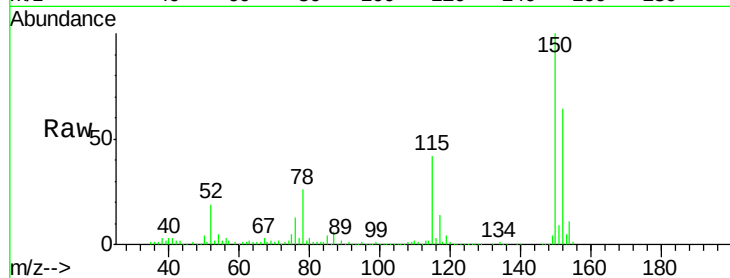
Tgt Ion: 79 Resp: 29976

Ion Ratio Lower Upper

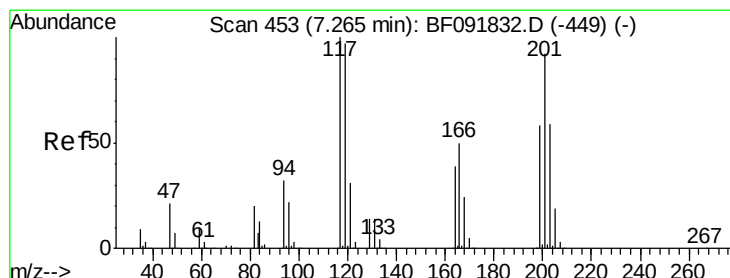
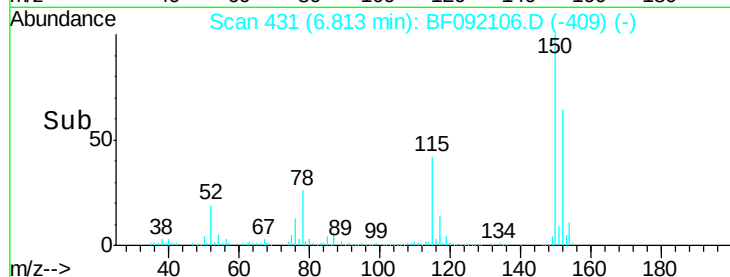
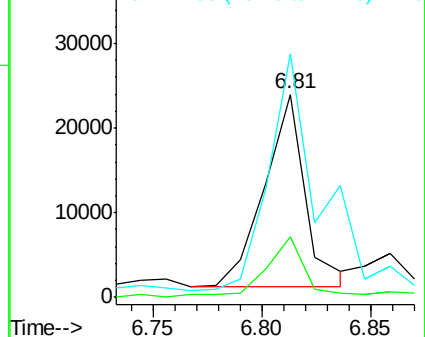
79 100

108 29.7 61.4 92.0#

77 120.0 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 90.64 ng

RT: 7.22 min Scan# 467

Delta R.T. 0.01 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

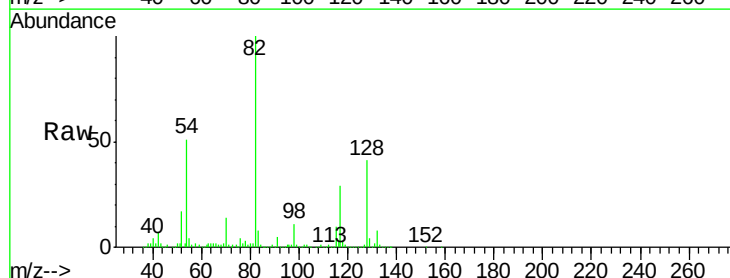
Tgt Ion: 117 Resp: 479110

Ion Ratio Lower Upper

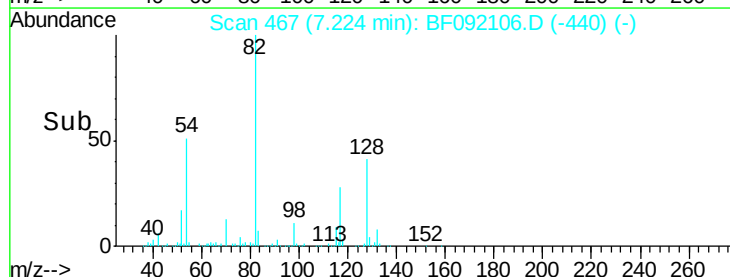
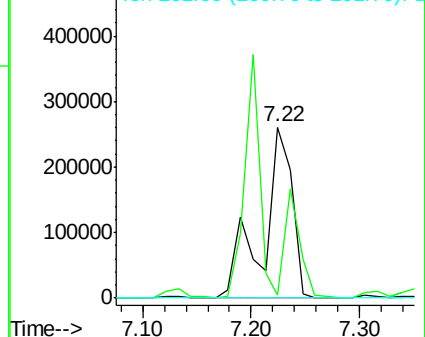
117 100

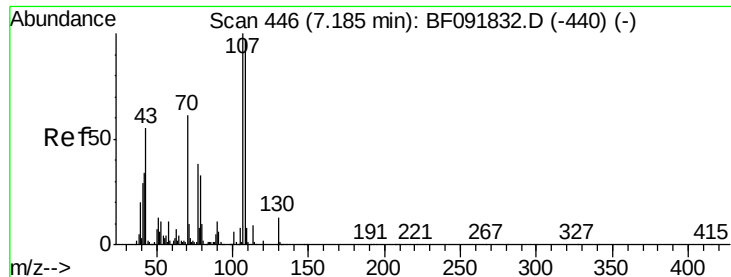
119 2.1 78.1 117.1#

201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): B
Ion 119.00 (118.70 to 119.70): B
Ion 201.00 (200.70 to 201.70): B

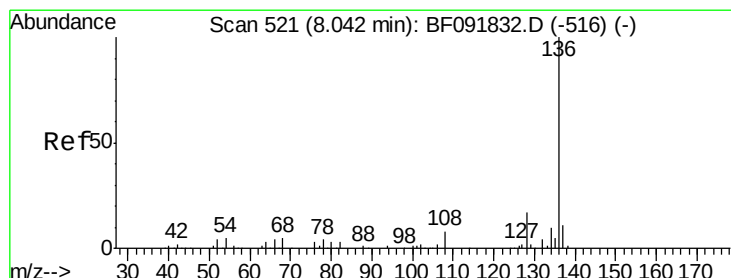
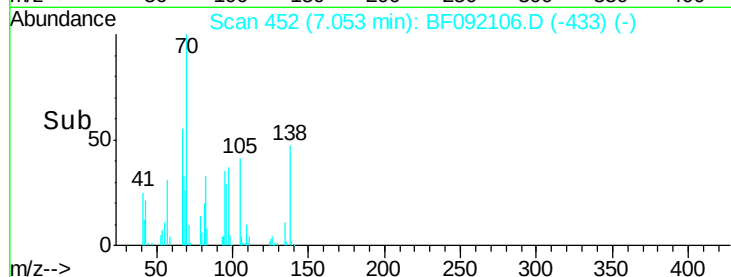
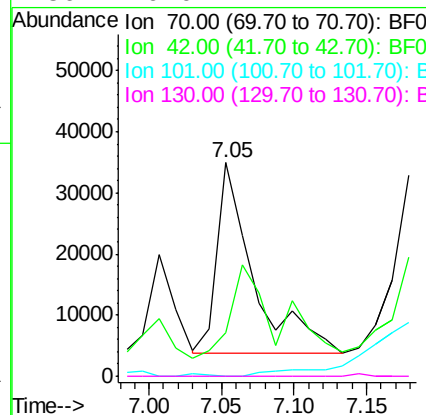
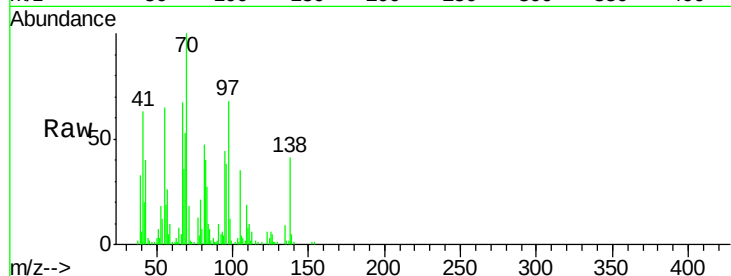




#19
n-Nitroso-di-n-propylamine
Concen: 5.85 ng
RT: 7.05 min Scan# 452
Delta R.T. -0.09 min
Lab File: BF092106.D
Acq: 5 Jan 2017 23:15

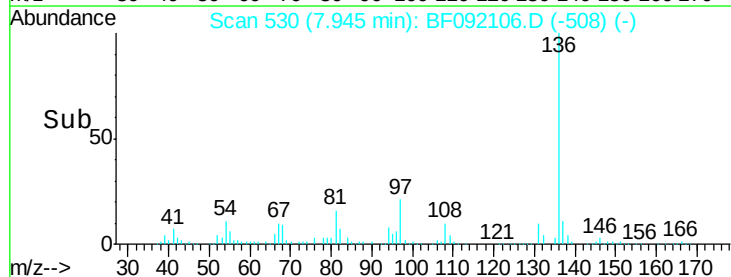
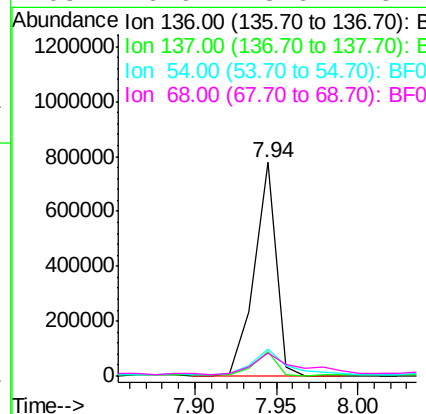
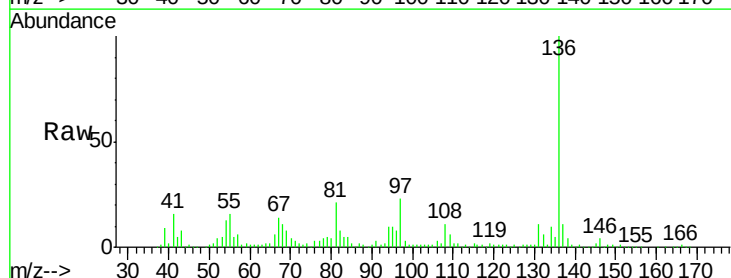
Instrument :
BNA_F
ClientSampled :
MW-36

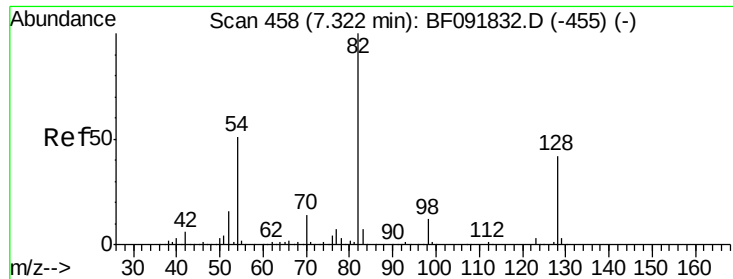
Tgt Ion: 70 Resp: 54814
Ion Ratio Lower Upper
70 100
42 20.4 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF092106.D
Acq: 5 Jan 2017 23:15

Tgt Ion: 136 Resp: 720294
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 12.5 4.5 6.7#
68 10.9 3.6 5.4#

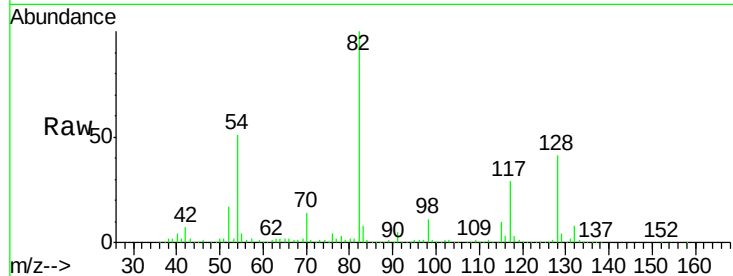




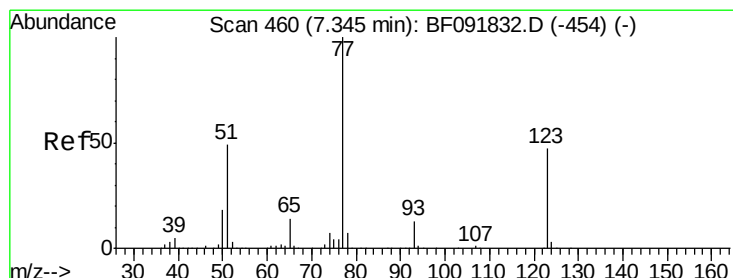
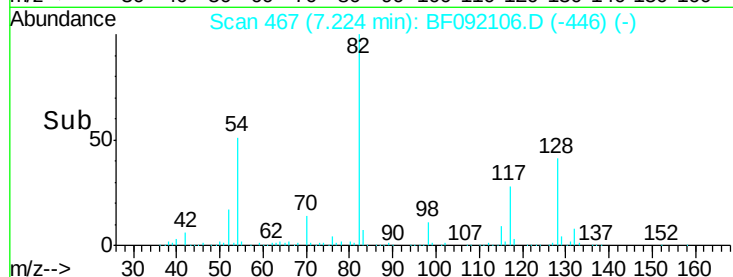
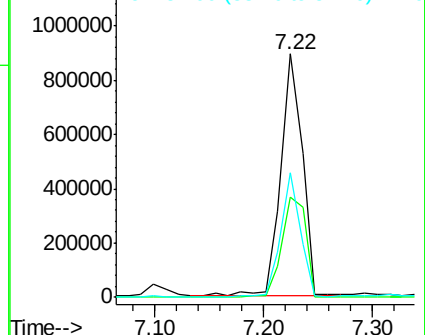
#23
 Nitrobenzene-d5
 Concen: 95.51 ng
 RT: 7.22 min Scan# 467
 Delta R.T. -0.06 min
 Lab File: BF092106.D
 Acq: 5 Jan 2017 23:15

Instrument :
 BNA_F
 ClientSampled :
 MW-36

Tgt Ion: 82 Resp: 1237171
 Ion Ratio Lower Upper
 82 100
 128 41.2 34.6 52.0
 54 51.3 39.5 59.3

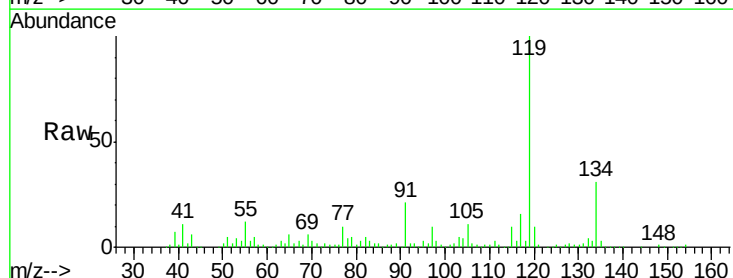


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

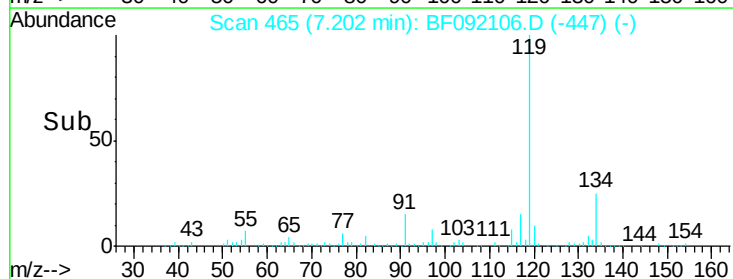
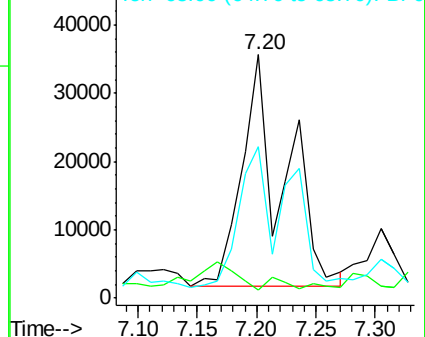


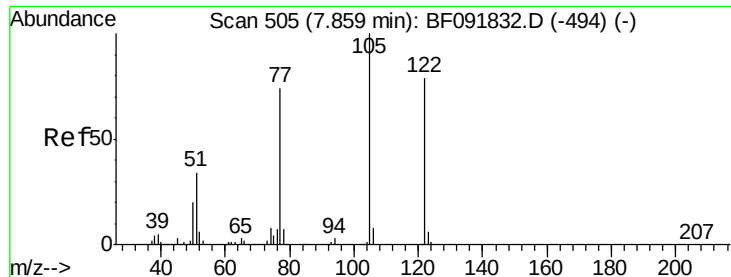
#24
 Nitrobenzene
 Concen: 5.95 ng
 RT: 7.20 min Scan# 465
 Delta R.T. -0.10 min
 Lab File: BF092106.D
 Acq: 5 Jan 2017 23:15

Tgt Ion: 77 Resp: 82111
 Ion Ratio Lower Upper
 77 100
 123 3.4 33.0 49.4#
 65 62.0 11.2 16.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0

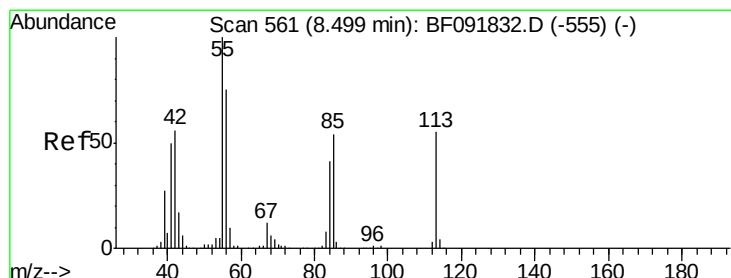
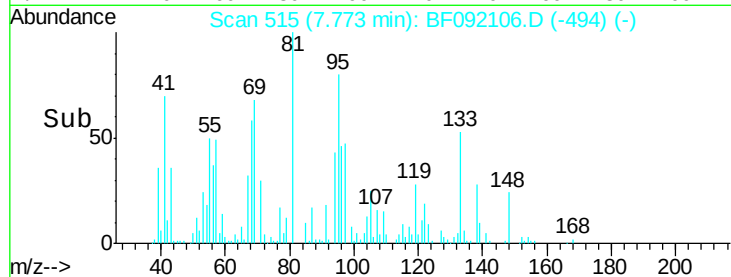
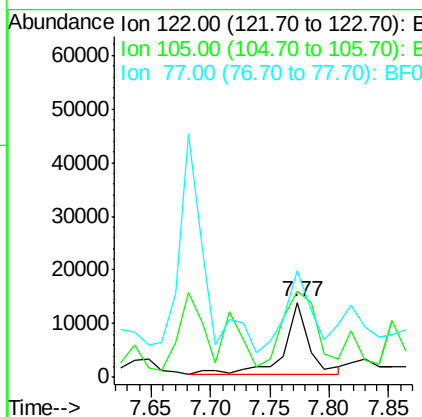
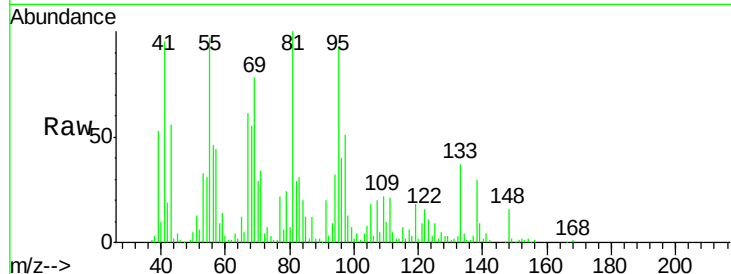




#32
Benzoic acid
Concen: 2.32 ng
RT: 7.77 min Scan# 515
Delta R.T. -0.06 min
Lab File: BF092106.D
Acq: 5 Jan 2017 23:15

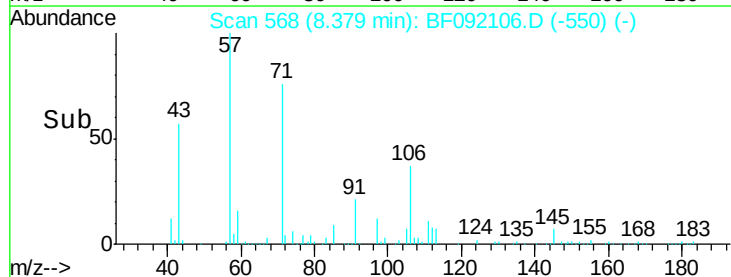
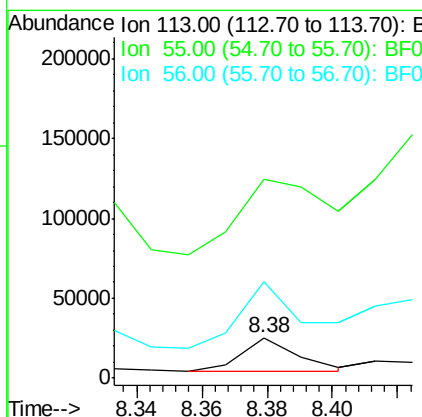
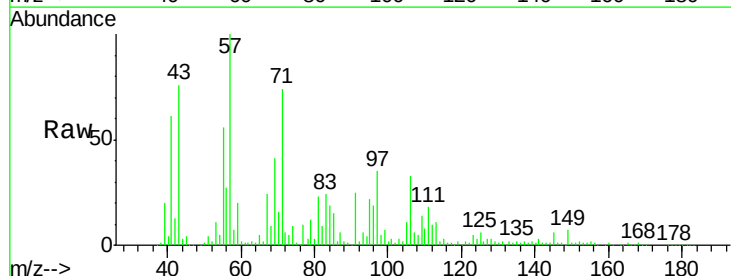
Instrument :
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MW-36

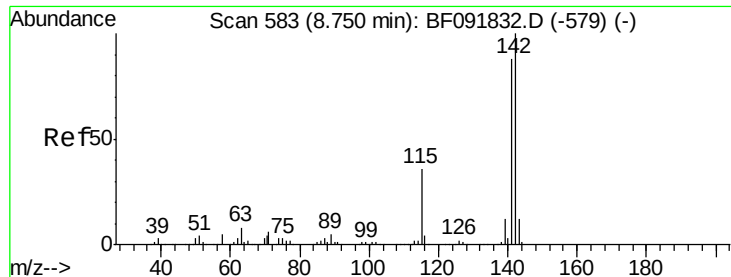
Tgt Ion:122 Resp: 19385
Ion Ratio Lower Upper
122 100
105 115.3 107.2 147.2
77 141.9 74.5 114.5#



#35
Caprolactam
Concen: 8.13 ng
RT: 8.38 min Scan# 568
Delta R.T. -0.10 min
Lab File: BF092106.D
Acq: 5 Jan 2017 23:15

Tgt Ion:113 Resp: 25537
Ion Ratio Lower Upper
113 100
55 495.4 119.2 159.2#
56 241.7 83.8 123.8#

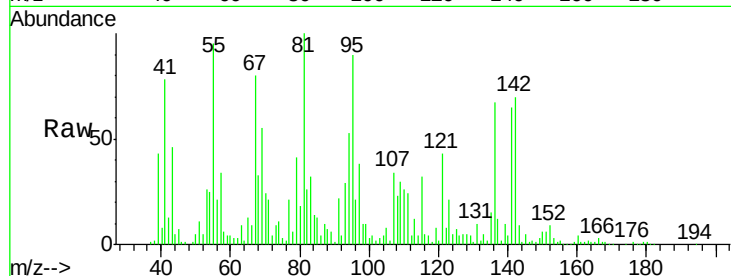




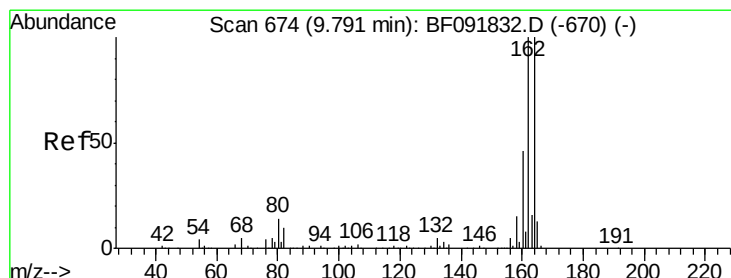
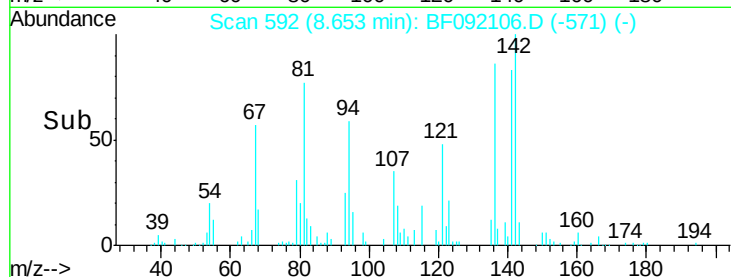
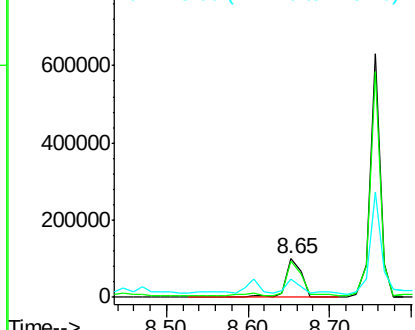
#37
2-Methylnaphthalene
Concen: 4.60 ng
RT: 8.65 min Scan# 592
Delta R.T. -0.06 min
Lab File: BF092106.D
Acq: 5 Jan 2017 23:15

Instrument :
BNA_F
ClientSampleId :
MW-36

Tgt Ion:142 Resp: 129738
Ion Ratio Lower Upper
142 100
141 93.1 71.0 106.6
115 46.6 28.3 42.5#

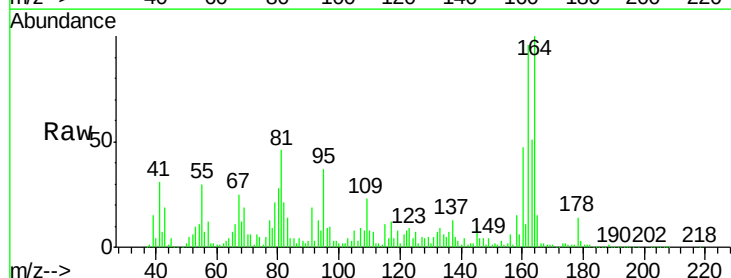


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

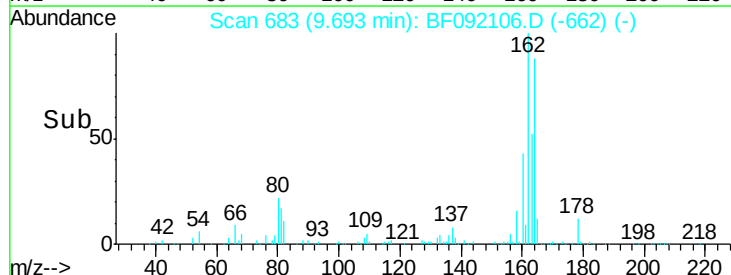
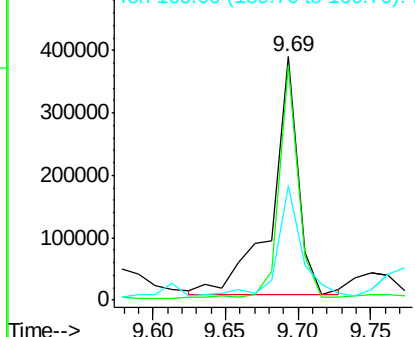


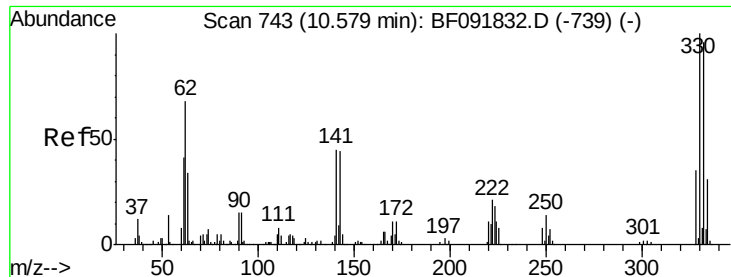
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF092106.D
Acq: 5 Jan 2017 23:15

Tgt Ion:164 Resp: 479711
Ion Ratio Lower Upper
164 100
162 96.3 80.2 120.2
160 46.9 36.9 55.3



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

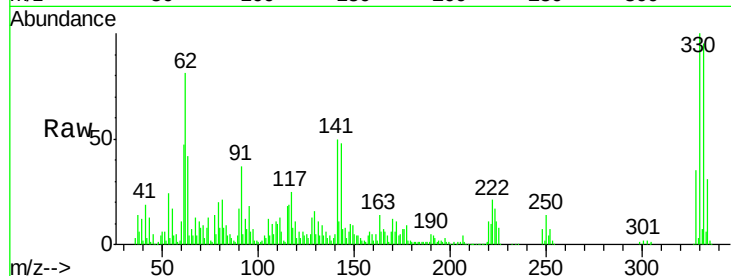




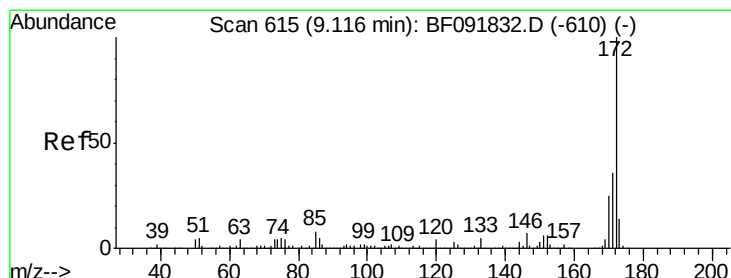
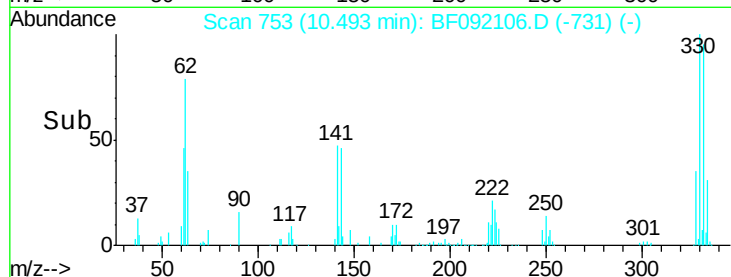
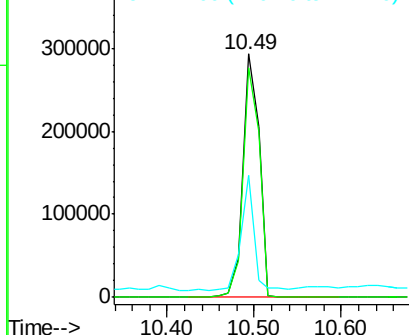
#41
 2,4,6-Tribromophenol
 Concen: 96.39 ng
 RT: 10.49 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF092106.D
 Acq: 5 Jan 2017 23:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-36

Tgt Ion:330 Resp: 382650
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 37.1 34.1 51.1

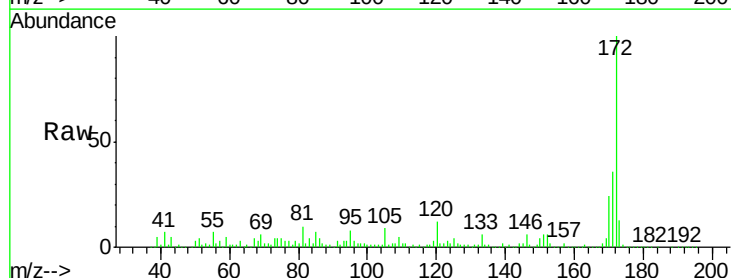


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

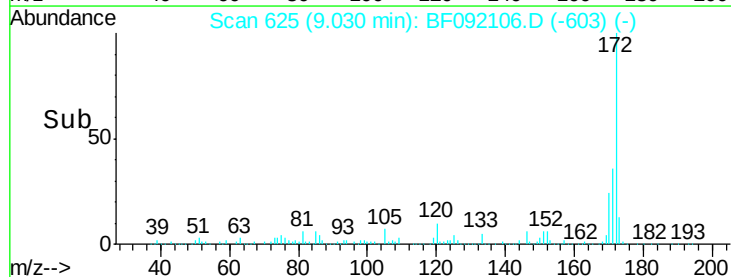
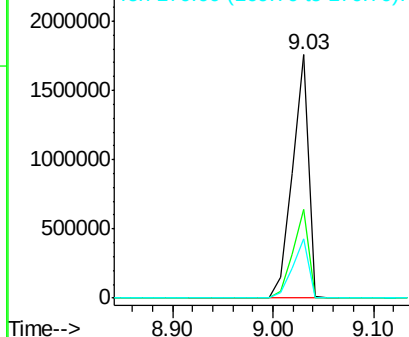


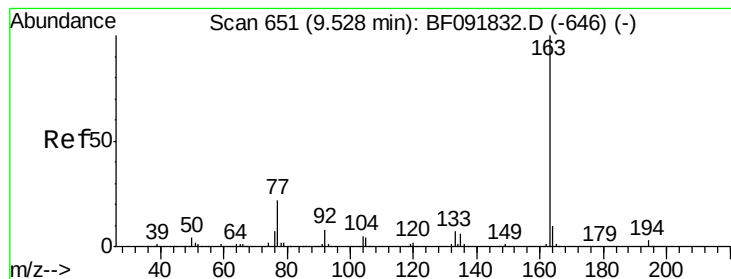
#44
 2-Fluorobiphenyl
 Concen: 82.71 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF092106.D
 Acq: 5 Jan 2017 23:15

Tgt Ion:172 Resp: 1944606
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.3 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: 4.16 ng

RT: 9.43 min Scan# 660

Delta R.T. -0.06 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampleId :

MW-36

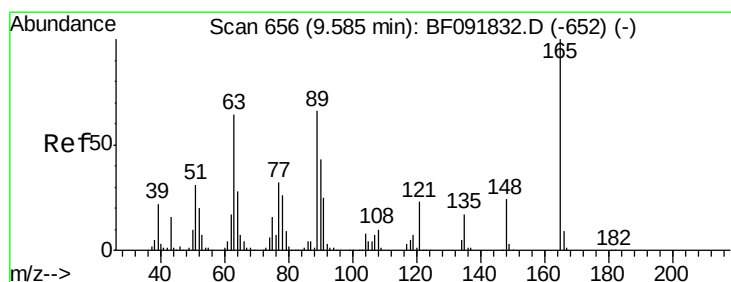
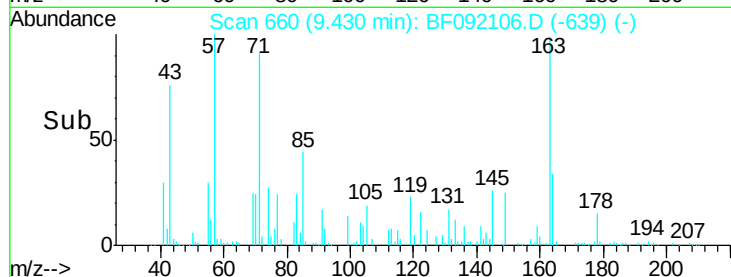
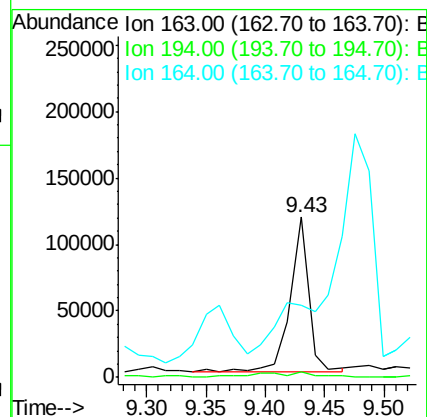
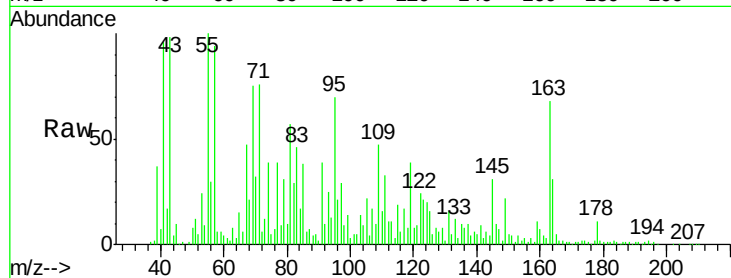
Tgt Ion:163 Resp: 127627

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

164 45.0 8.0 12.0#



#50

2,6-Dinitrotoluene

Concen: 5.73 ng

RT: 9.48 min Scan# 664

Delta R.T. -0.07 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

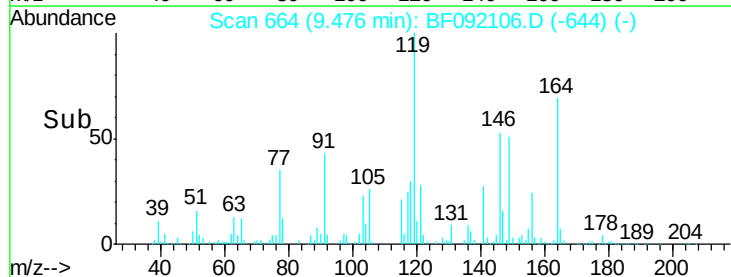
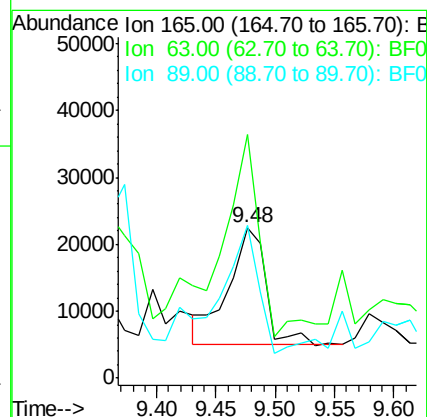
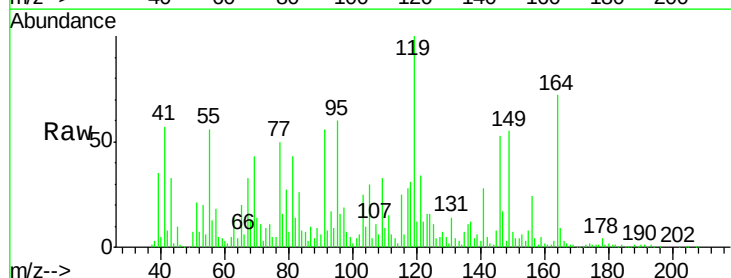
Tgt Ion:165 Resp: 38510

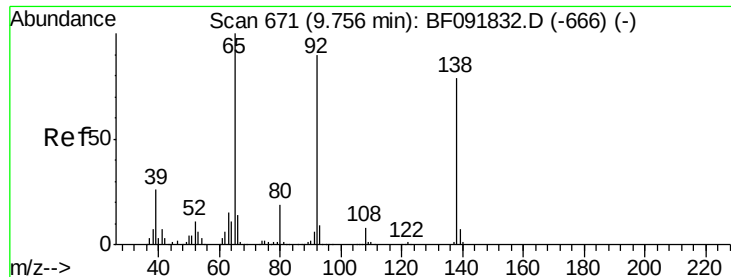
Ion Ratio Lower Upper

165 100

63 161.7 36.2 54.4#

89 101.2 40.2 60.4#

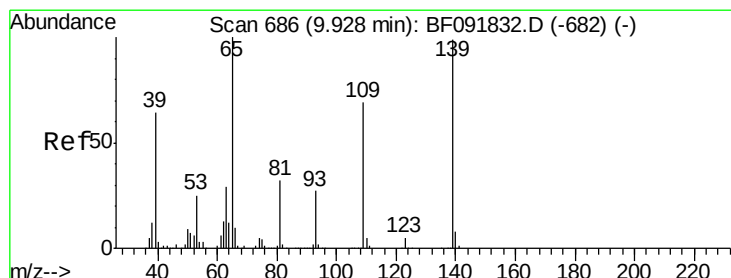
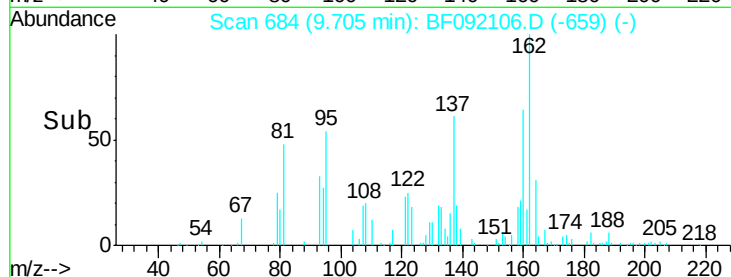
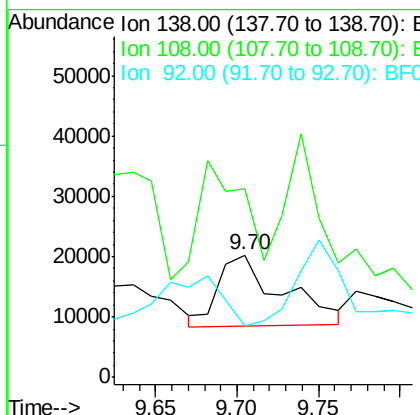
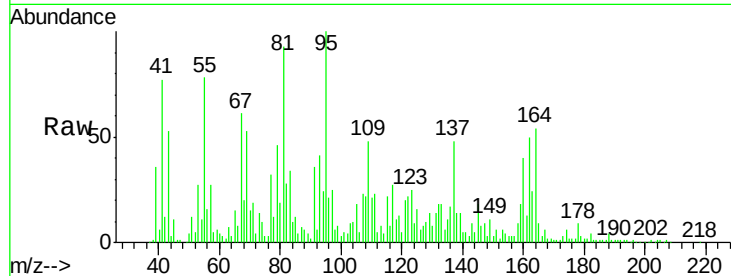




#52
 3-Nitroaniline
 Concen: 3.83 ng
 RT: 9.70 min Scan# 684
 Delta R.T. -0.02 min
 Lab File: BF092106.D
 Acq: 5 Jan 2017 23:15

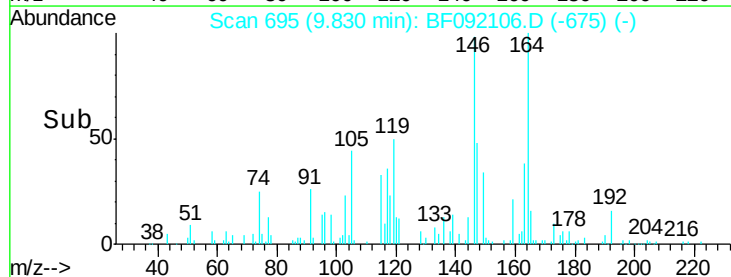
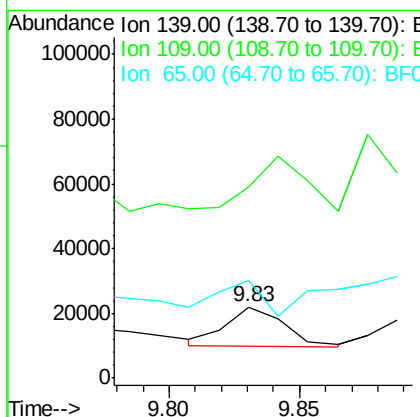
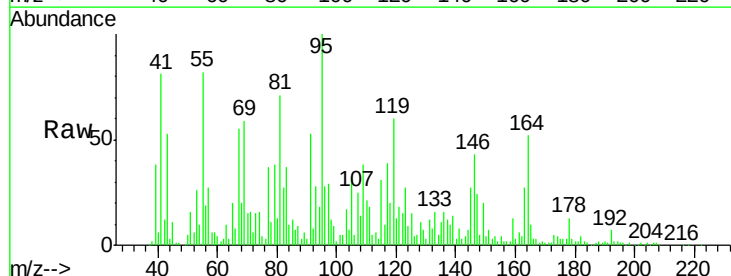
Instrument :
 BNA_F
 ClientSampleId :
 MW-36

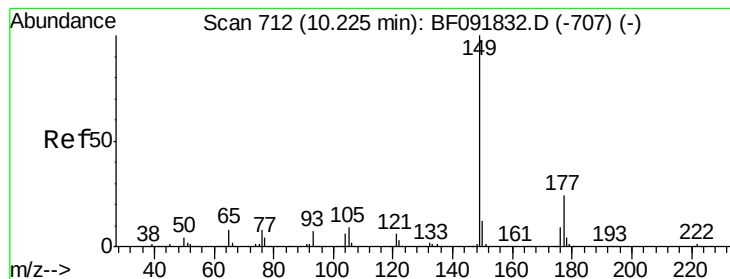
Tgt Ion:138 Resp: 31843
 Ion Ratio Lower Upper
 138 100
 108 154.5 8.5 12.7#
 92 42.7 97.8 146.8#



#55
 4-Nitrophenol
 Concen: 3.36 ng
 RT: 9.83 min Scan# 695
 Delta R.T. -0.07 min
 Lab File: BF092106.D
 Acq: 5 Jan 2017 23:15

Tgt Ion:139 Resp: 18986
 Ion Ratio Lower Upper
 139 100
 109 268.5 52.2 92.2#
 65 138.0 85.8 125.8#





#59

Diethylphthalate

Concen: 17.49 ng

RT: 10.09 min Scan# 718

Delta R.T. -0.09 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampleId :

MW-36

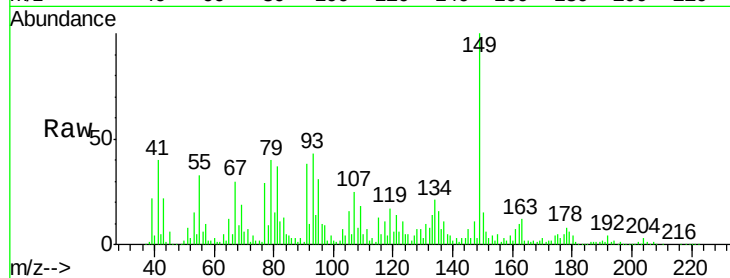
Tgt Ion:149 Resp: 521190

Ion Ratio Lower Upper

149 100

177 5.0 16.6 25.0#

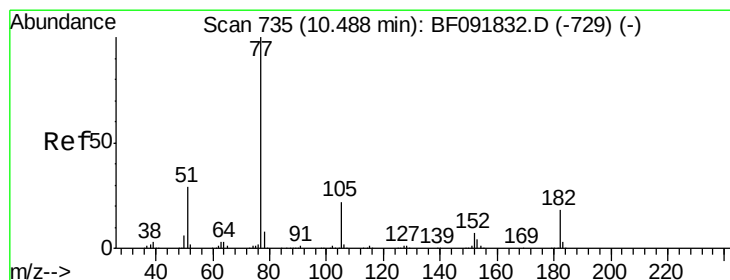
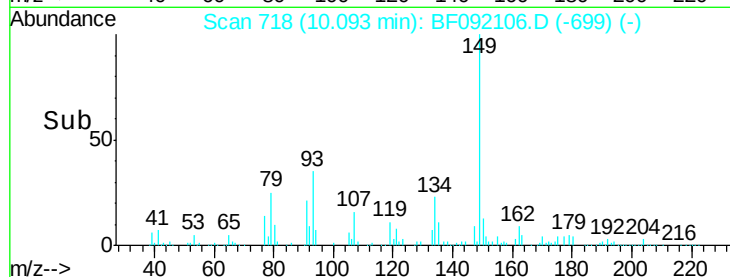
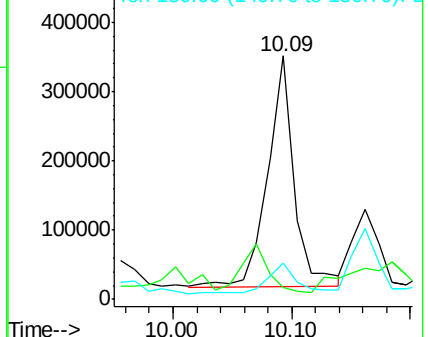
150 14.7 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 2.72 ng

RT: 10.38 min Scan# 743

Delta R.T. -0.07 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Tgt Ion: 77 Resp: 89156

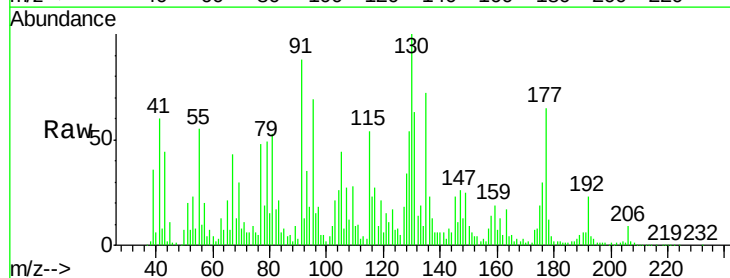
Ion Ratio Lower Upper

77 100

182 4.1 0.0 39.3

105 92.8 2.3 42.3#

51 43.0 8.9 48.9

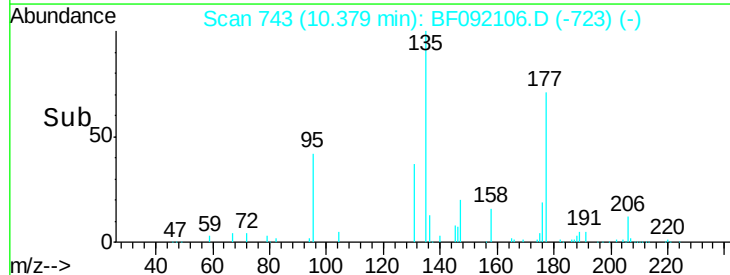
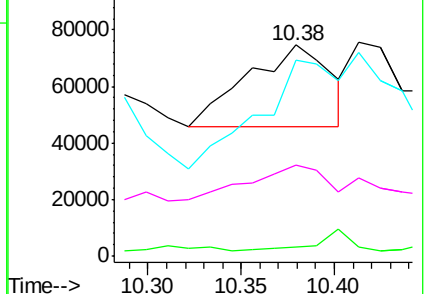


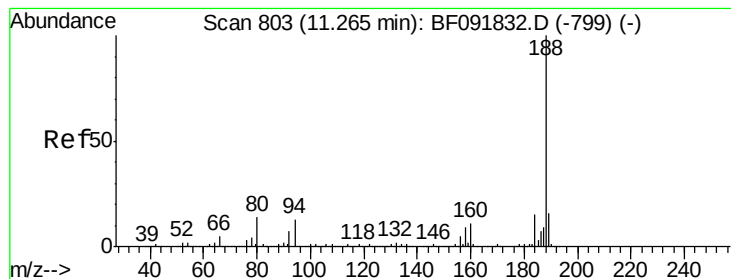
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampled :

MW-36

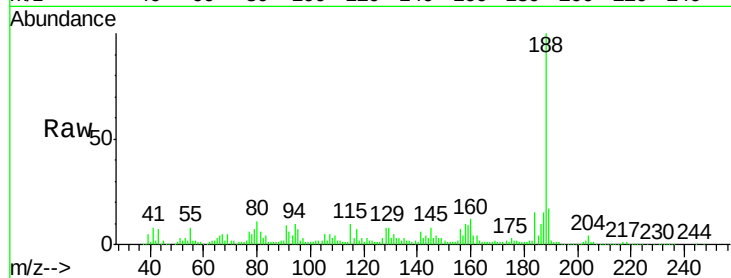
Tgt Ion:188 Resp: 524928

Ion Ratio Lower Upper

188 100

94 10.3 10.0 15.0

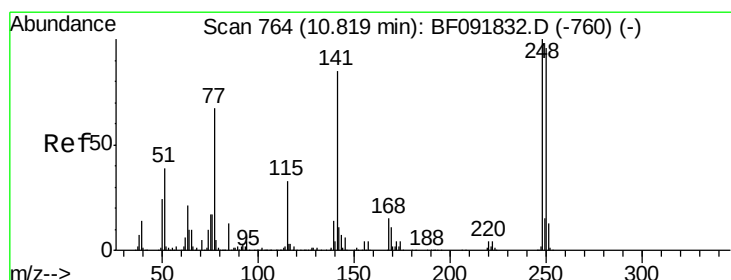
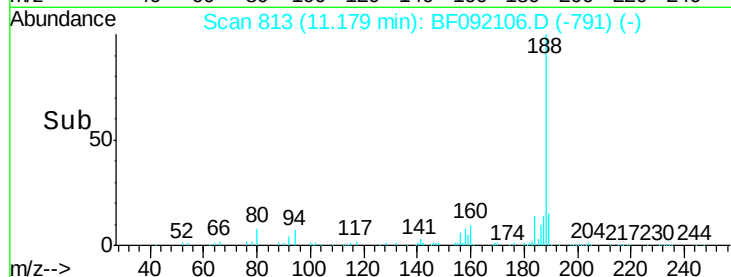
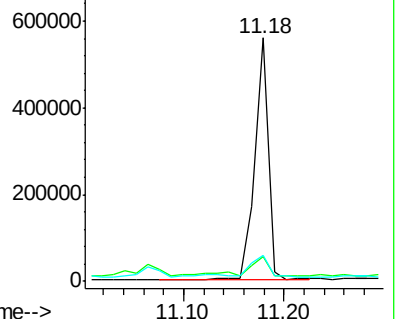
80 10.6 11.2 16.8#



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: 4.19 ng

RT: 10.49 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

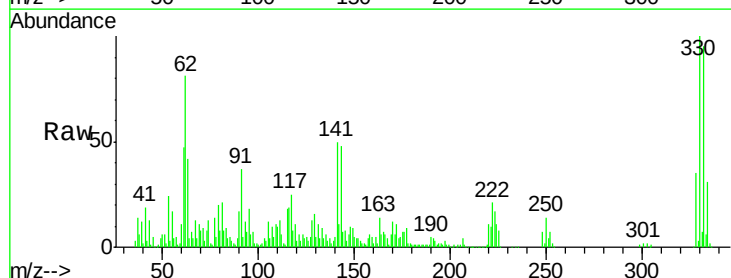
Tgt Ion:248 Resp: 22906

Ion Ratio Lower Upper

248 100

250 193.5 76.9 115.3#

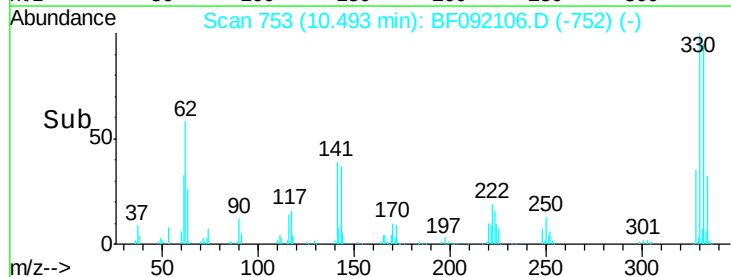
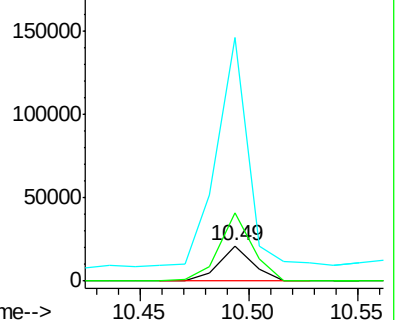
141 684.7 68.2 102.4#

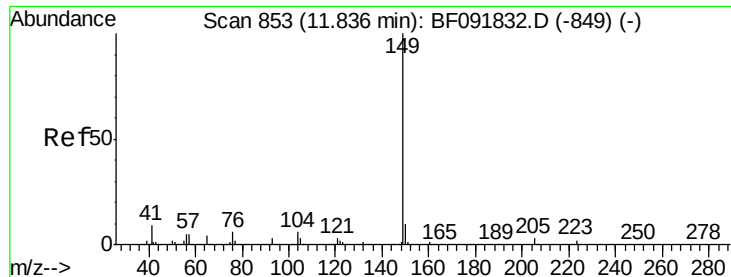


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.70 min Scan# 859

Delta R.T. -0.10 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampleId :

MW-36

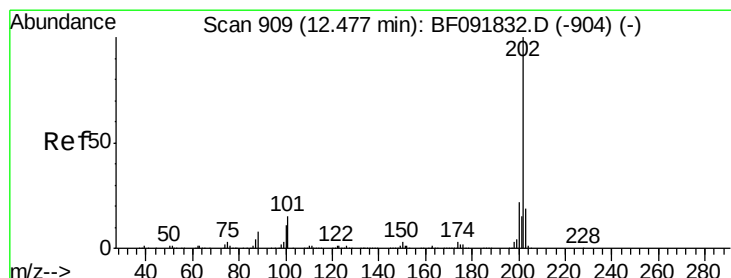
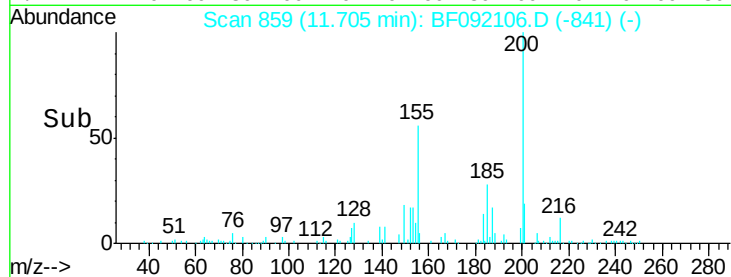
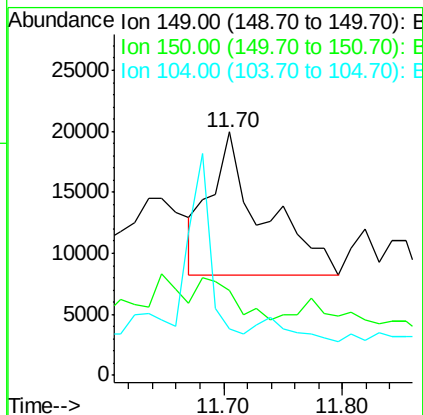
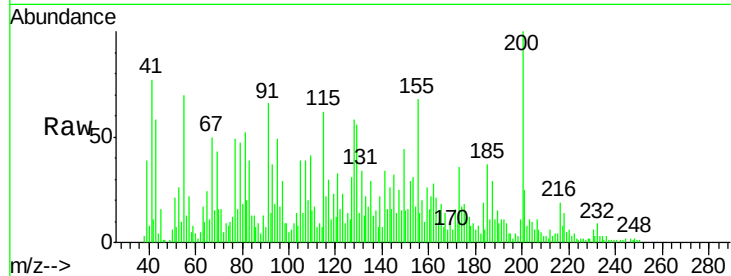
Tgt Ion:149 Resp: 35859

Ion Ratio Lower Upper

149 100

150 34.8 8.1 12.1#

104 19.2 4.6 7.0#



#74

Fluoranthene

Concen: Below Cal

RT: 12.38 min Scan# 918

Delta R.T. -0.06 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

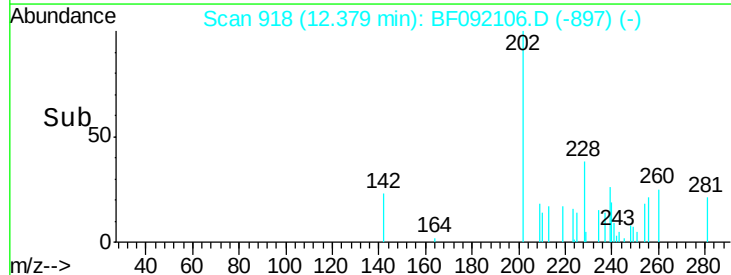
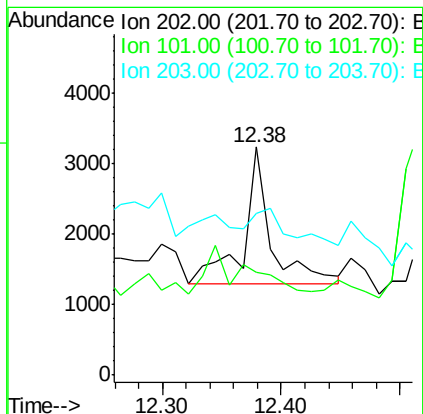
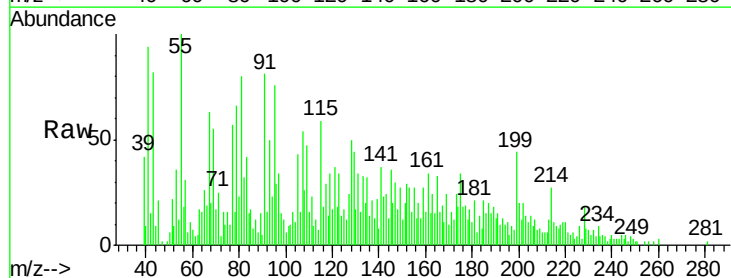
Tgt Ion:202 Resp: 3101

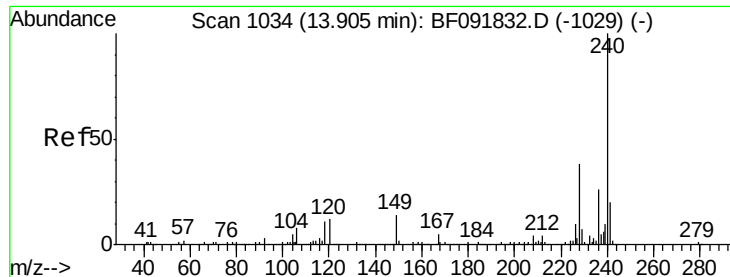
Ion Ratio Lower Upper

202 100

101 44.8 0.0 34.6#

203 70.7 0.0 38.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1042

Delta R.T. -0.07 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

Instrument :

BNA_F

ClientSampleId :

MW-36

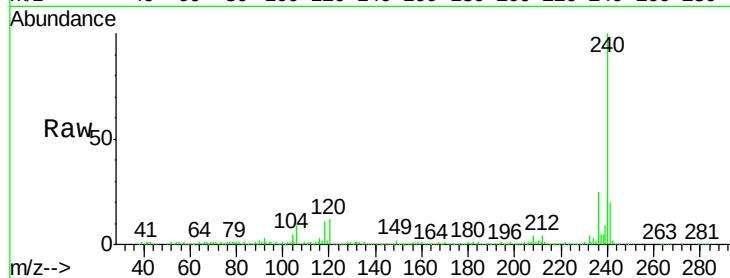
Tgt Ion:240 Resp: 418322

Ion Ratio Lower Upper

240 100

120 11.8 12.9 19.3#

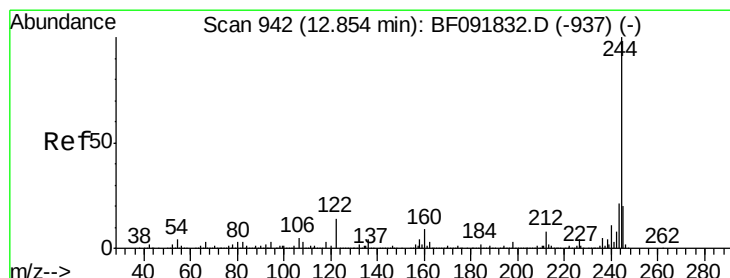
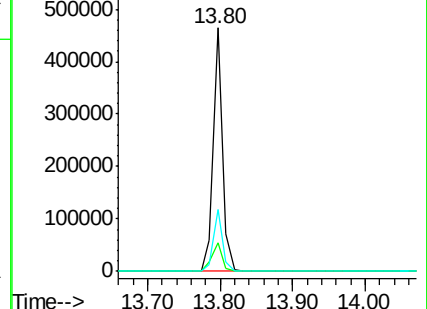
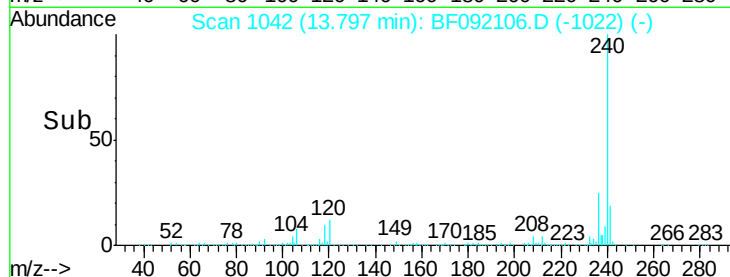
236 25.5 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 77.36 ng

RT: 12.76 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF092106.D

Acq: 5 Jan 2017 23:15

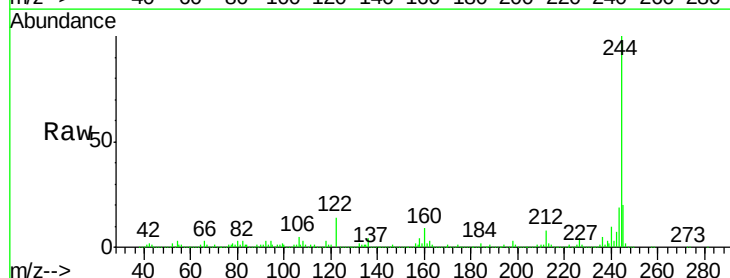
Tgt Ion:244 Resp: 1334361

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

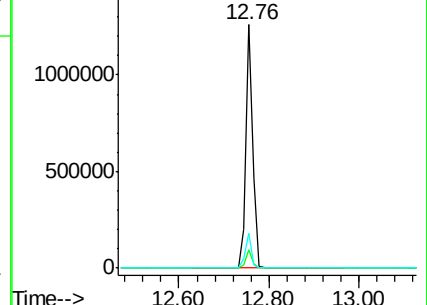
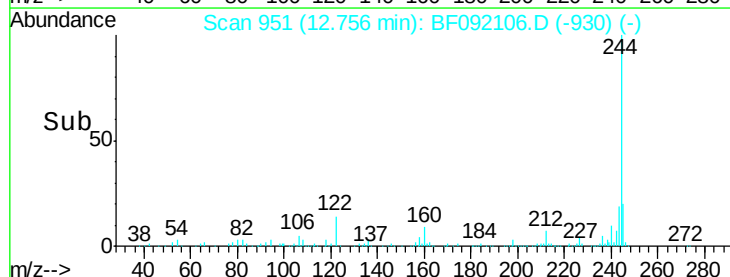
122 14.4 11.4 17.2

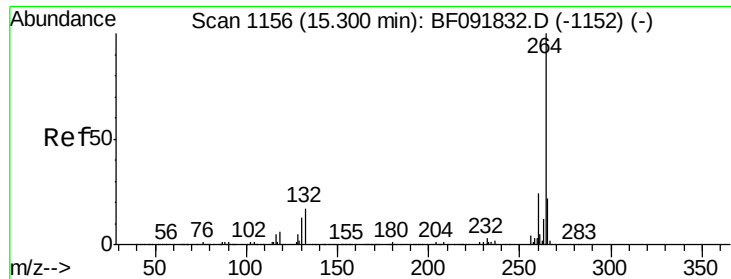


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.17 min Scan# 1162
Delta R.T. -0.09 min
Lab File: BF092106.D
Acq: 5 Jan 2017 23:15

Instrument :
BNA_F
ClientSampleId :
MW-36

Tgt Ion: 264 Resp: 354505
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.2 17.4 26.0

