

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092090.D
 Acq On : 5 Jan 2017 1:32
 Operator : UM/SJ
 Sample : I1004-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Quant Time: Jan 05 02:25:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 05 00:16:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	179334	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	623961	20.00	ng	-0.01
38) Acenaphthene-d10	9.70	164	292096	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	475988	20.00	ng	0.00
75) Chrysene-d12	13.81	240	452937	20.00	ng	0.00
86) Perylene-d12	15.18	264	366384	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	575463	53.58	ng	0.00
7) Phenol-d6	6.32	99	456988	34.85	ng	-0.01
23) Nitrobenzene-d5	7.24	82	1061463	94.60	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	325966	134.85	ng	0.01
44) 2-Fluorobiphenyl	9.03	172	1440564	103.92	ng	0.00
78) Terphenyl-d14	12.77	244	1397417	74.83	ng	0.00

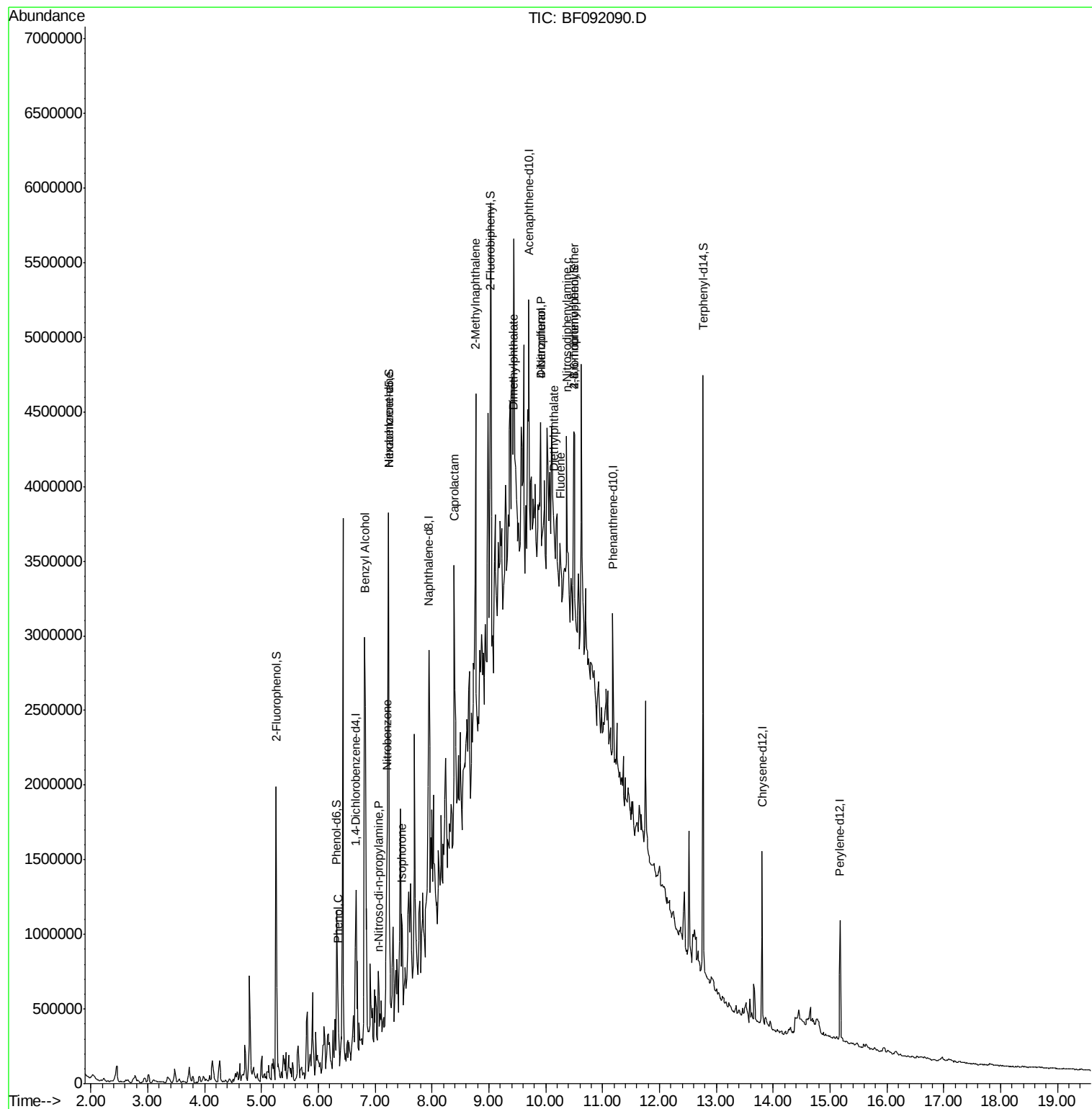
Target Compounds						Qvalue
10) Phenol	6.34	94	97949	6.56	ng	# 73
15) Benzyl Alcohol	6.81	79	22601	2.22	ng	# 48
18) Hexachloroethane	7.24	117	452496	91.94	ng	# 3
19) n-Nitroso-di-n-propylamine	7.06	70	23344	2.68	ng	# 83
24) Nitrobenzene	7.21	77	72716	6.08	ng	# 36
25) Isophorone	7.48	82	50931	2.46	ng	# 1
35) Caprolactam	8.39	113	49476	18.19	ng	# 1
37) 2-Methylnaphthalene	8.77	142	630245	33.24	ng	96
49) Dimethylphthalate	9.43	163	88556	4.74	ng	# 52
54) Dibenzofuran	9.91	168	64174	2.88	ng	# 39
55) 4-Nitrophenol	9.91	139	34091	9.92	ng	# 1
57) Fluorene	10.25	166	57881	3.57	ng	# 79
59) Diethylphthalate	10.14	149	67699	3.73	ng	# 53
65) n-Nitrosodiphenylamine	10.37	169	84819	6.01	ng	# 49
66) 4-Bromophenyl-phenylether	10.50	248	19708	3.98	ng	# 1
71) Anthracene	11.26	178	4140	Below	Cal	# 1
73) Di-n-butylphthalate	11.76	149	13053	Below	Cal	# 44
74) Fluoranthene	12.39	202	10569	Below	Cal	76
76) Benizidine	12.55	184	1008	Below	Cal	# 1

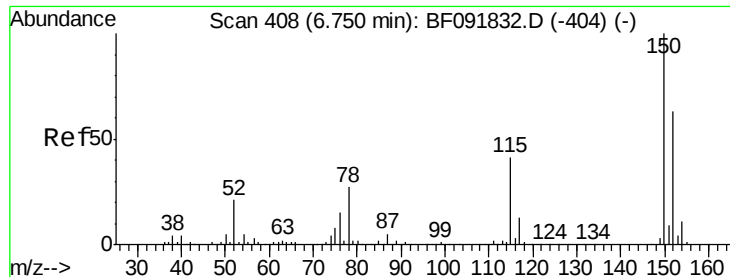
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

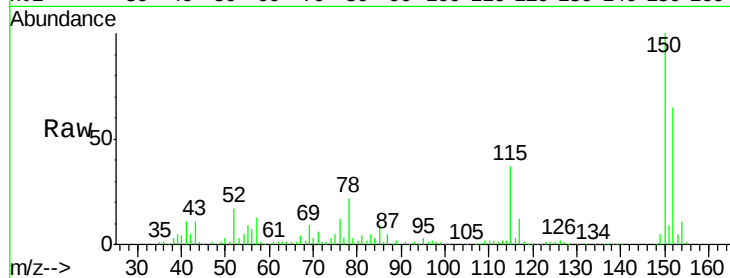
Tgt Ion:152 Resp: 179334

Ion Ratio Lower Upper

152 100

150 152.7 124.9 187.3

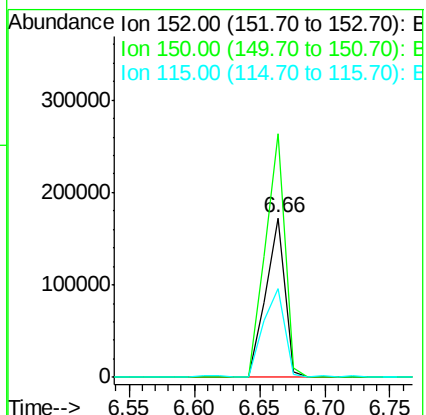
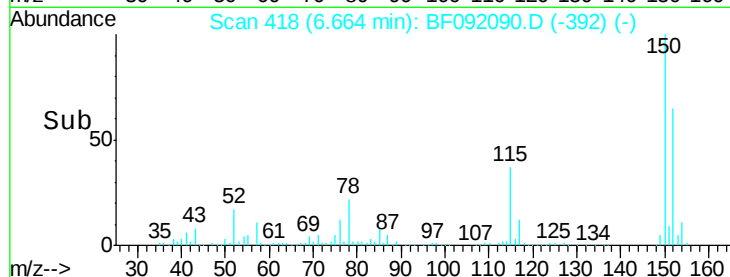
115 55.9 46.0 69.0



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: 53.58 ng

RT: 5.26 min Scan# 295

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

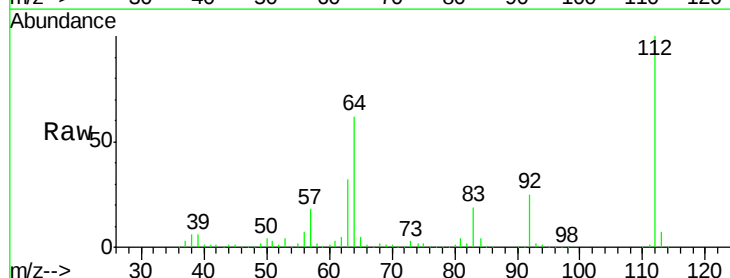
Tgt Ion:112 Resp: 575463

Ion Ratio Lower Upper

112 100

64 62.3 46.1 69.1

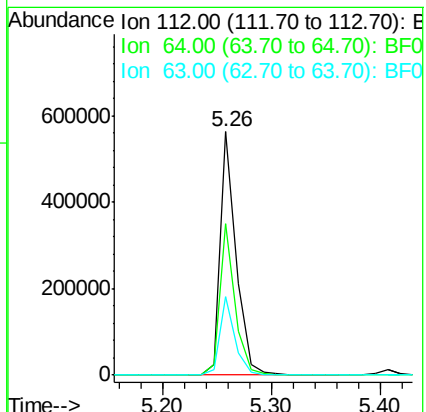
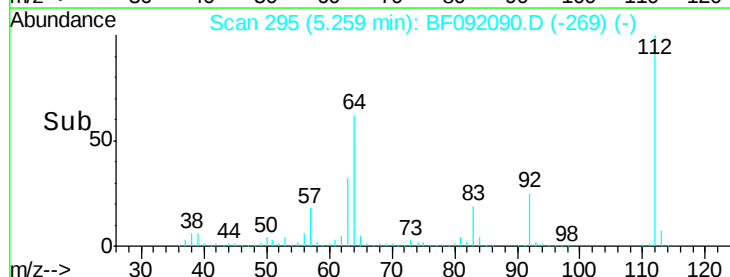
63 32.0 23.8 35.6



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: 34.85 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

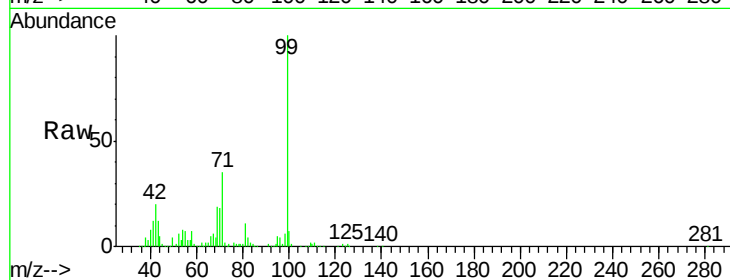
Tgt Ion: 99 Resp: 456988

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

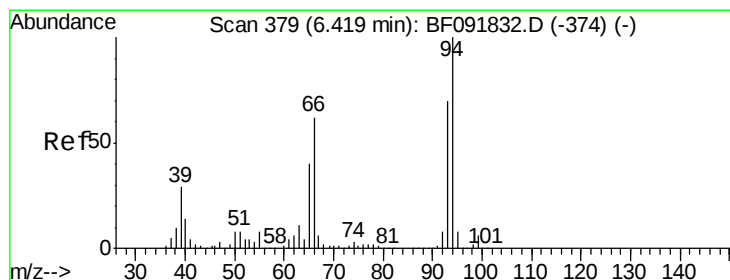
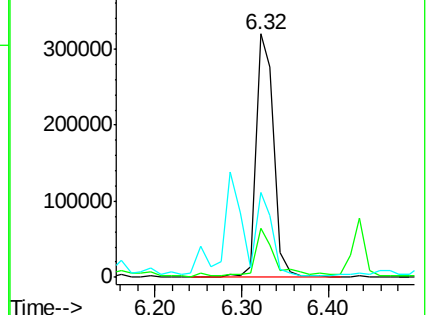
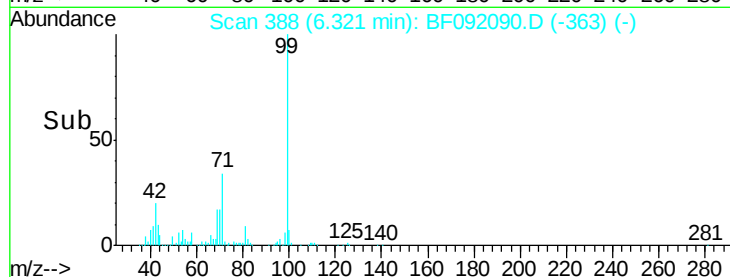
71 34.7 27.5 41.3



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: 6.56 ng

RT: 6.34 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

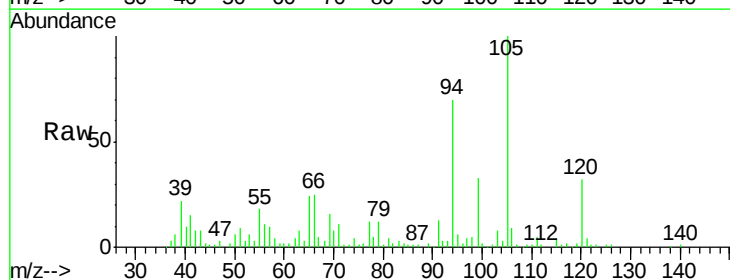
Tgt Ion: 94 Resp: 97949

Ion Ratio Lower Upper

94 100

65 33.6 21.4 61.4

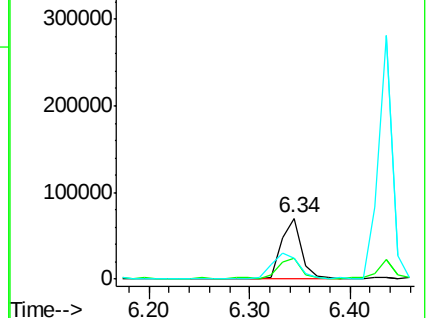
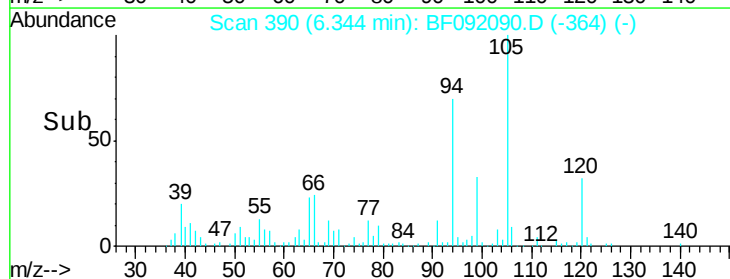
66 35.1 44.0 84.0#

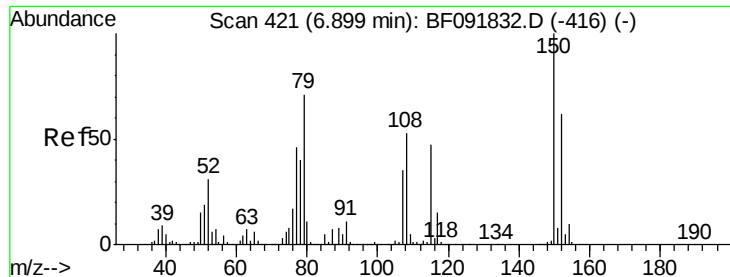


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.22 ng

RT: 6.81 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

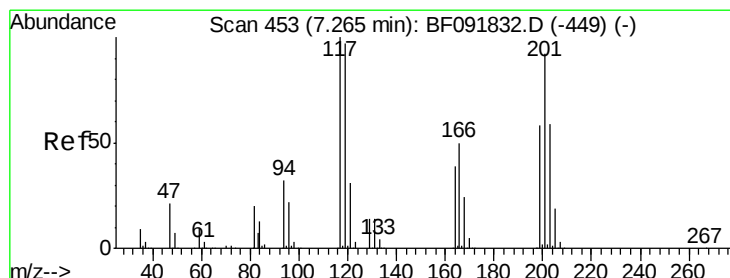
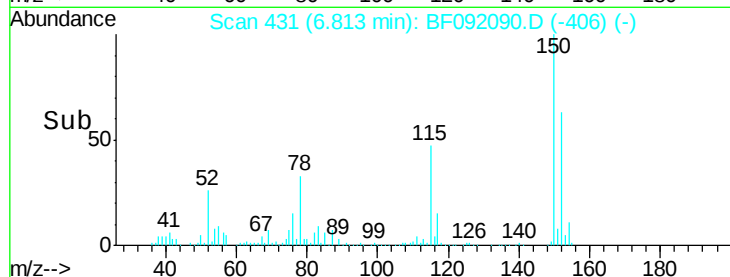
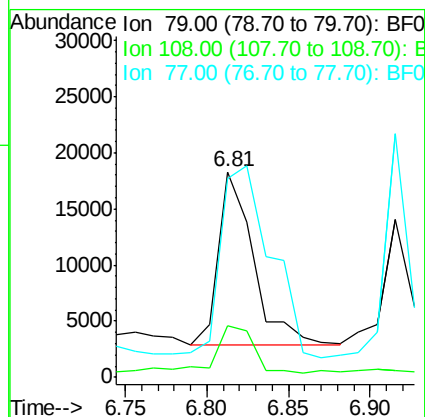
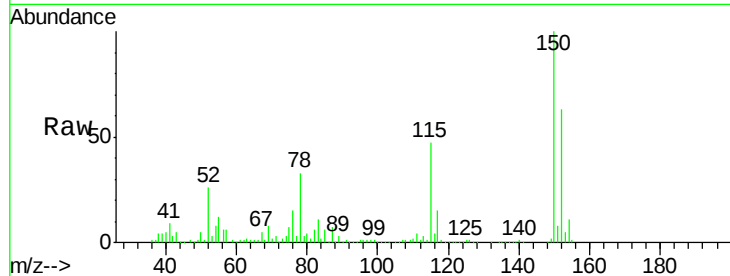
Tgt Ion: 79 Resp: 22601

Ion Ratio Lower Upper

79 100

108 25.2 61.4 92.0#

77 96.8 50.9 76.3#



#18

Hexachloroethane

Concen: 91.94 ng

RT: 7.24 min Scan# 468

Delta R.T. 0.06 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

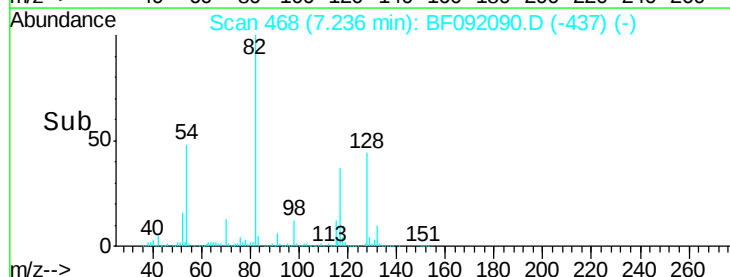
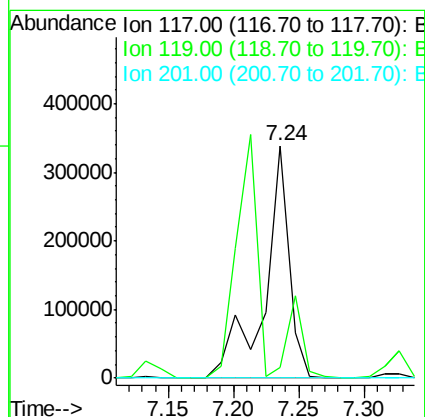
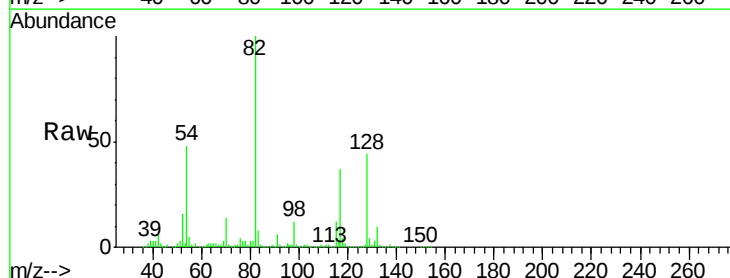
Tgt Ion: 117 Resp: 452496

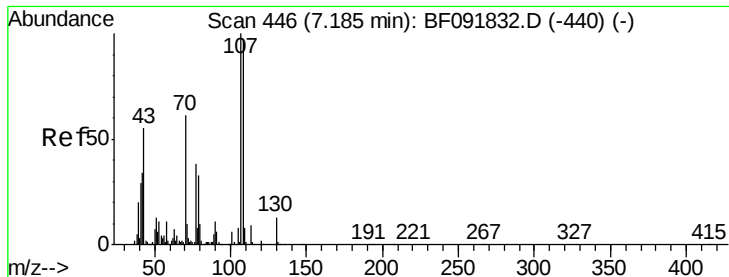
Ion Ratio Lower Upper

117 100

119 4.4 78.1 117.1#

201 0.0 78.6 117.8#

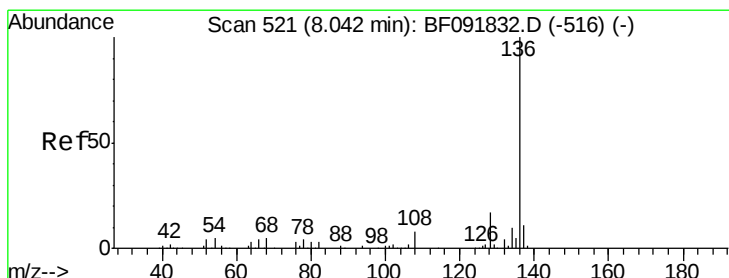
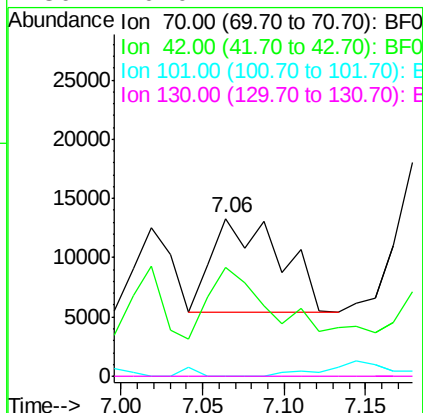
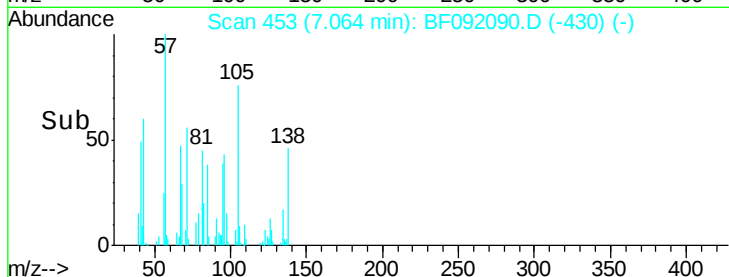
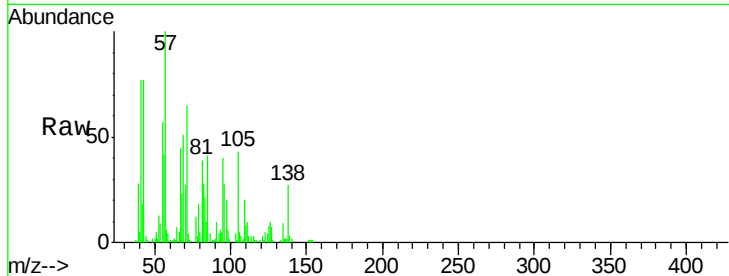




#19
n-Nitroso-di-n-propylamine
Concen: 2.68 ng
RT: 7.06 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF092090.D
Acq: 5 Jan 2017 1:32

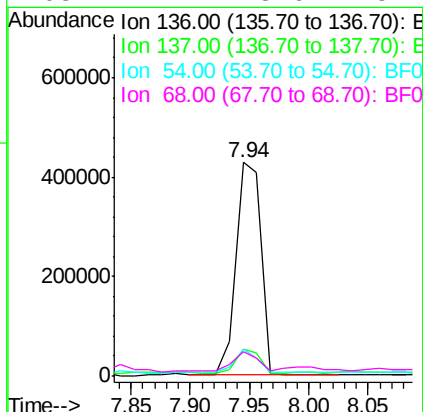
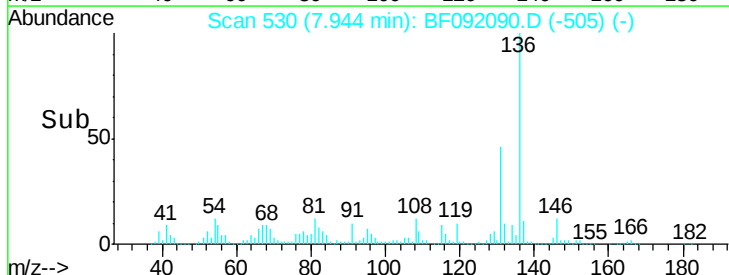
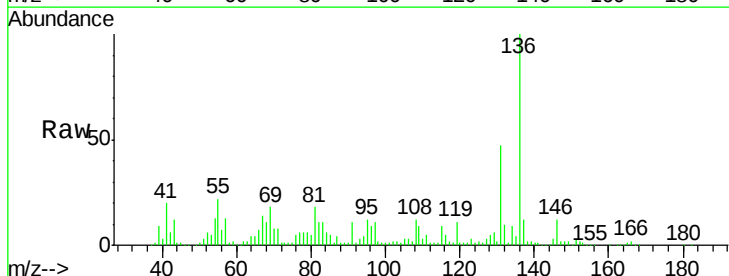
Instrument :
BNA_F
ClientSampleId :
MW-34

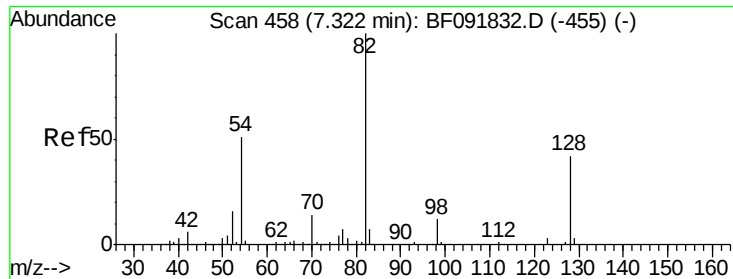
Tgt Ion: 70 Resp: 23344
Ion Ratio Lower Upper
70 100
42 68.7 49.4 74.0
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF092090.D
Acq: 5 Jan 2017 1:32

Tgt Ion: 136 Resp: 623961
Ion Ratio Lower Upper
136 100
137 12.5 8.4 12.6
54 12.9 4.5 6.7#
68 11.4 3.6 5.4#

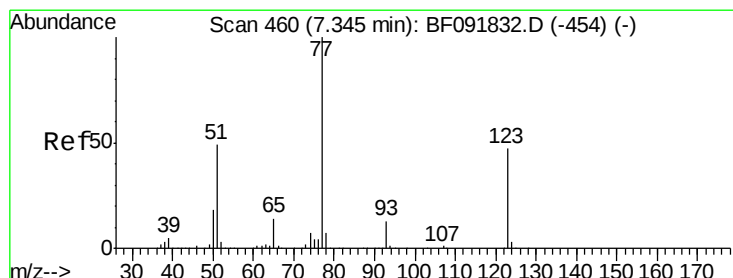
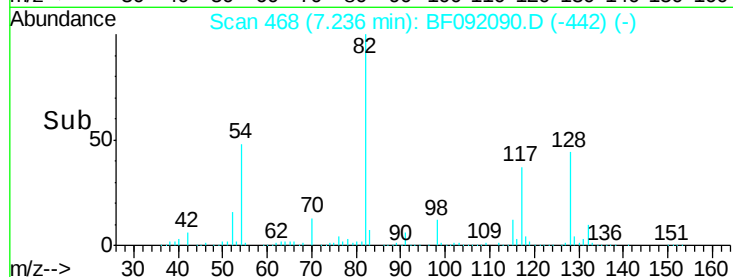
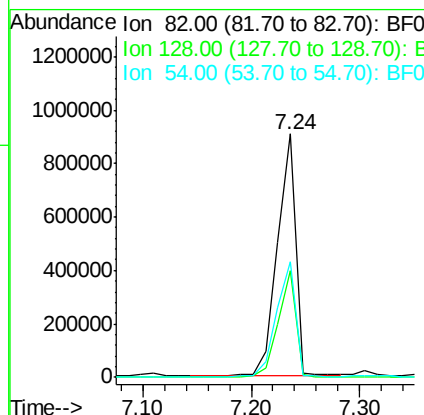
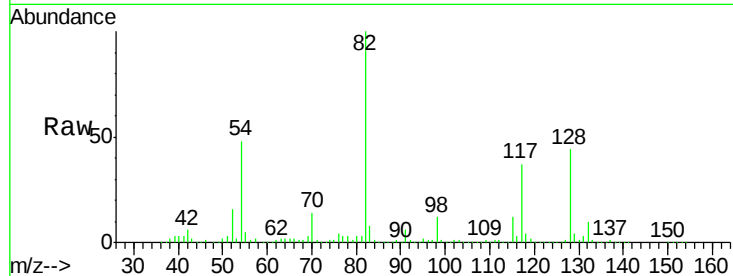




#23
 Nitrobenzene-d5
 Concen: 94.60 ng
 RT: 7.24 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

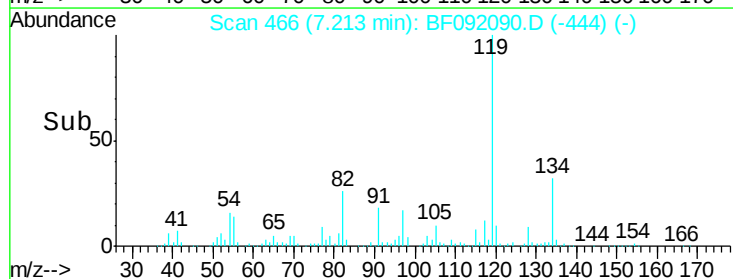
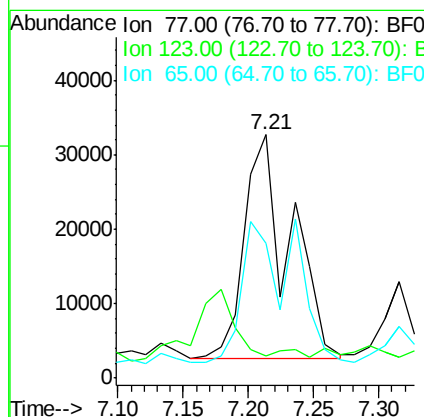
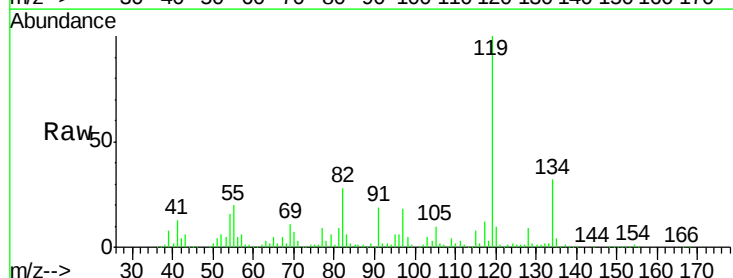
Instrument :
 BNA_F
 ClientSampleId :
 MW-34

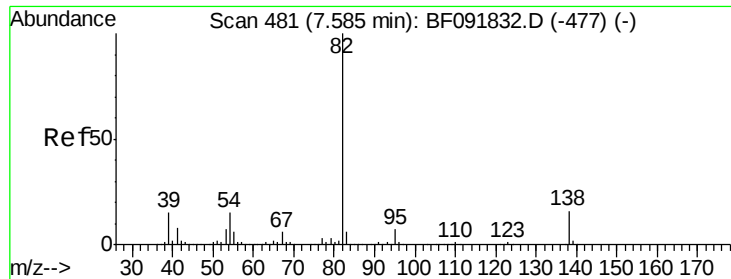
Tgt Ion: 82 Resp: 1061463
 Ion Ratio Lower Upper
 82 100
 128 43.8 34.6 52.0
 54 47.7 39.5 59.3



#24
 Nitrobenzene
 Concen: 6.08 ng
 RT: 7.21 min Scan# 466
 Delta R.T. -0.05 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

Tgt Ion: 77 Resp: 72716
 Ion Ratio Lower Upper
 77 100
 123 8.9 33.0 49.4#
 65 55.4 11.2 16.8#





#25

Isophorone

Concen: 2.46 ng

RT: 7.48 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

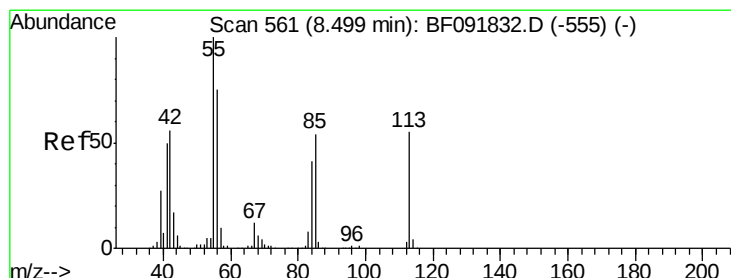
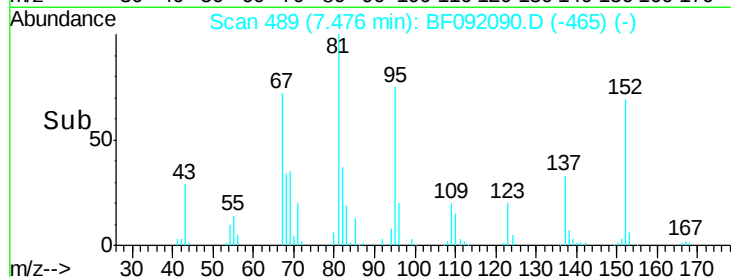
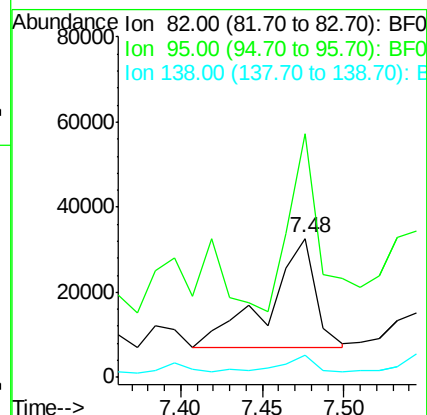
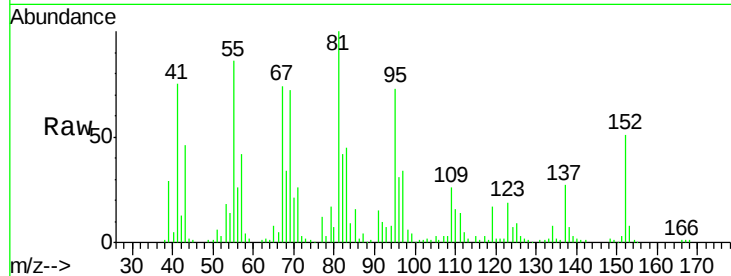
Tgt Ion: 82 Resp: 50931

Ion Ratio Lower Upper

82 100

95 175.0 5.6 8.4#

138 16.2 14.6 22.0



#35

Caprolactam

Concen: 18.19 ng

RT: 8.39 min Scan# 569

Delta R.T. -0.02 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

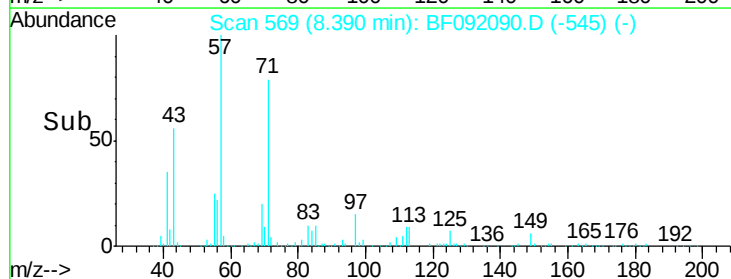
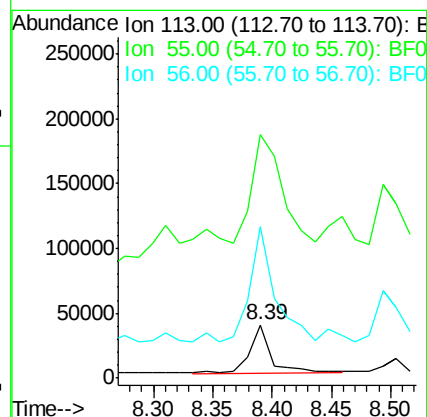
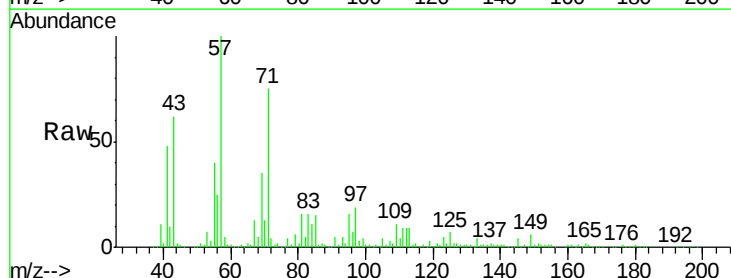
Tgt Ion: 113 Resp: 49476

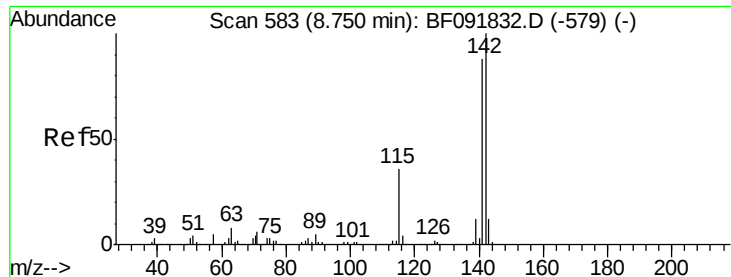
Ion Ratio Lower Upper

113 100

55 458.8 119.2 159.2#

56 285.4 83.8 123.8#

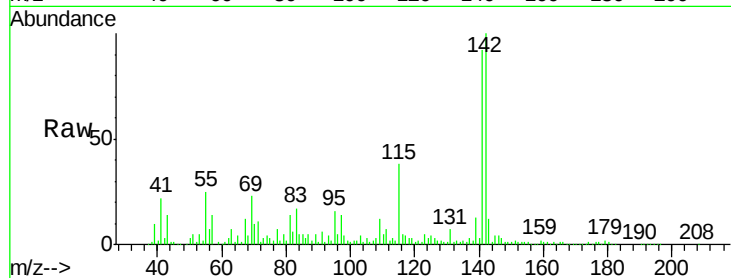




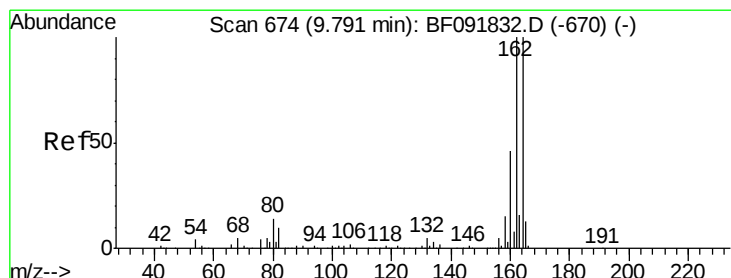
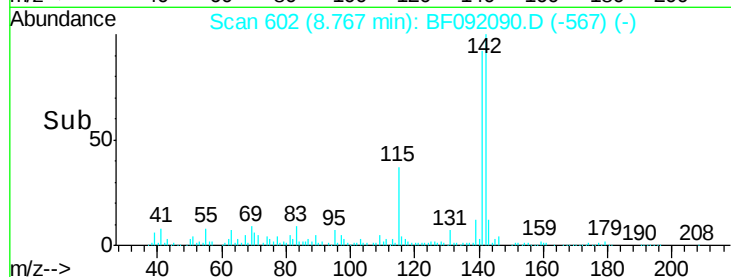
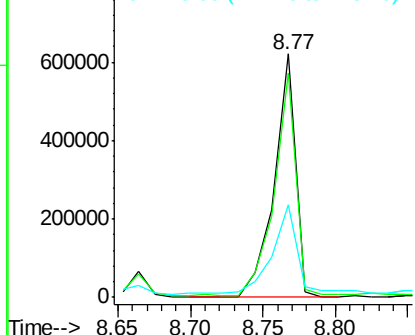
#37
 2-Methylnaphthalene
 Concen: 33.24 ng
 RT: 8.77 min Scan# 602
 Delta R.T. 0.10 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Tgt Ion:142 Resp: 630245
 Ion Ratio Lower Upper
 142 100
 141 92.4 71.0 106.6
 115 37.9 28.3 42.5

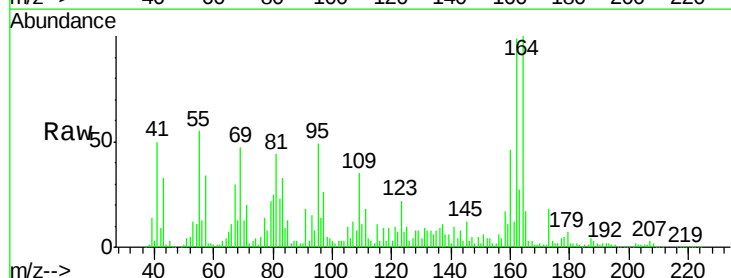


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

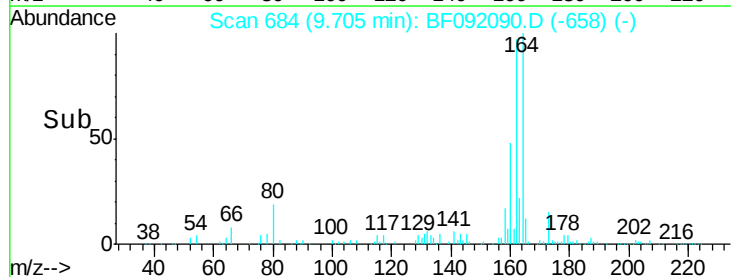
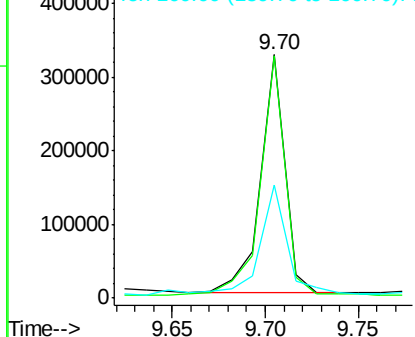


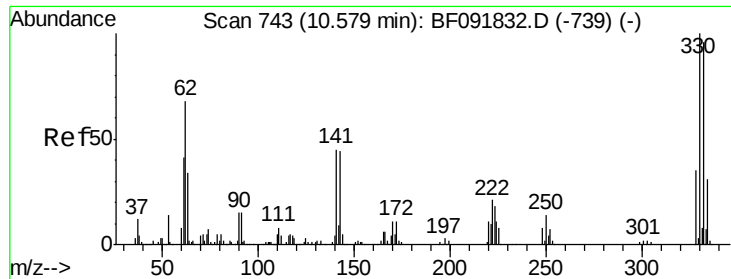
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

Tgt Ion:164 Resp: 292096
 Ion Ratio Lower Upper
 164 100
 162 99.4 80.2 120.2
 160 46.5 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

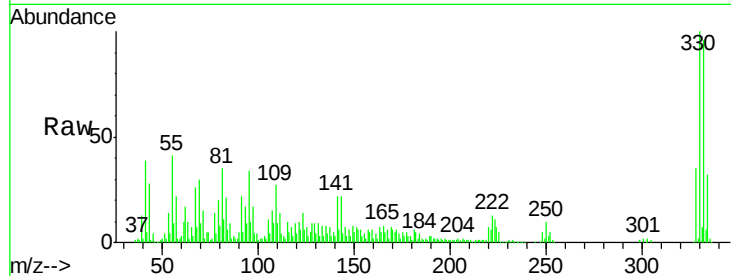




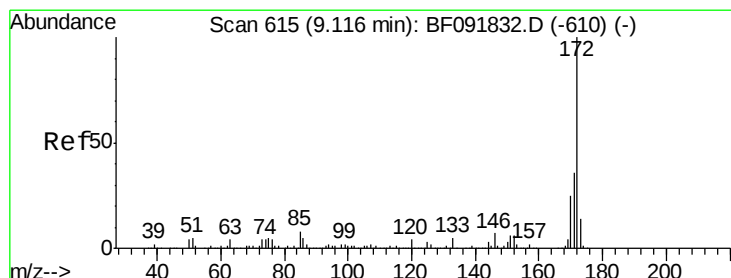
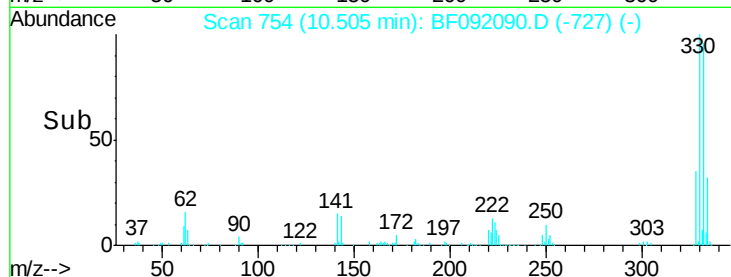
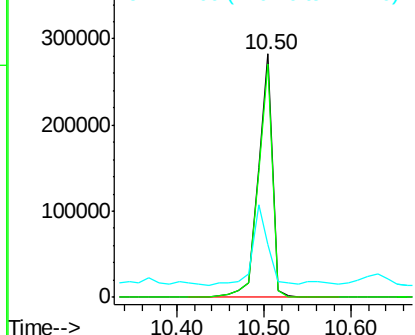
#41
 2,4,6-Tribromophenol
 Concen: 134.85 ng
 RT: 10.50 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Tgt Ion:330 Resp: 325966
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 35.2 34.1 51.1

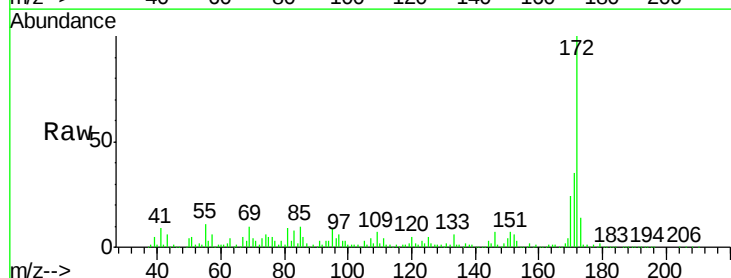


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

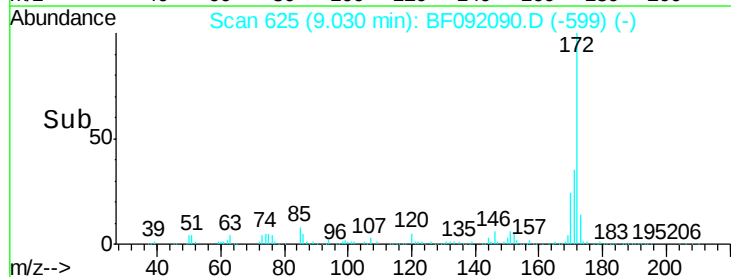
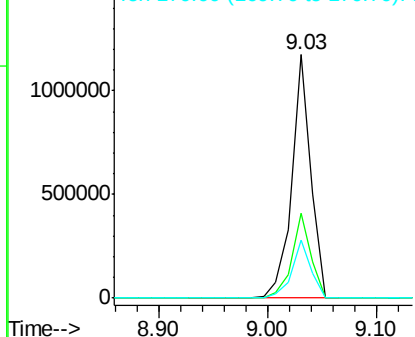


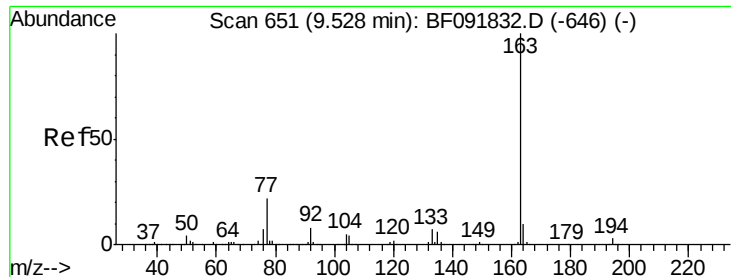
#44
 2-Fluorobiphenyl
 Concen: 103.92 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.00 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

Tgt Ion:172 Resp: 1440564
 Ion Ratio Lower Upper
 172 100
 171 35.1 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

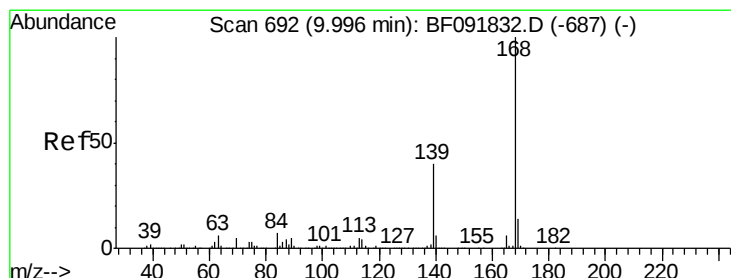
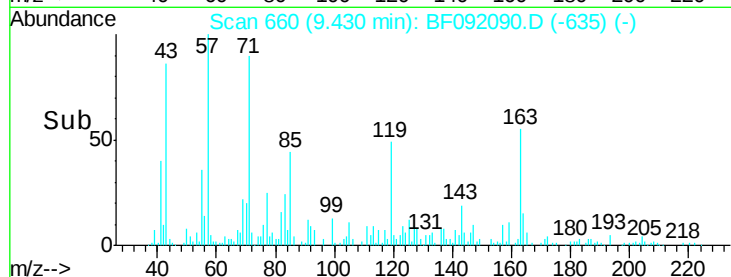
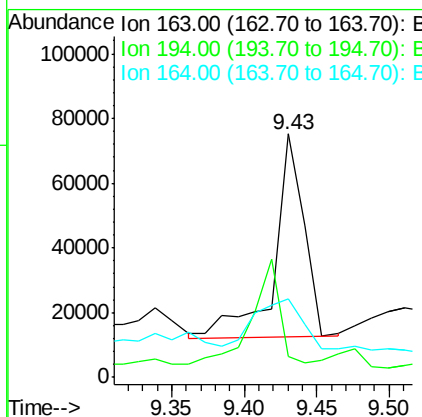
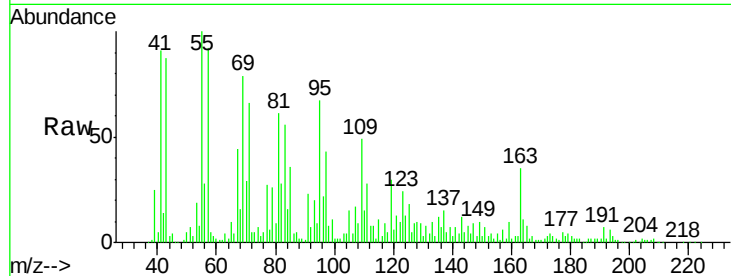




#49
Dimethylphthalate
Concen: 4.74 ng
RT: 9.43 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF092090.D
Acq: 5 Jan 2017 1:32

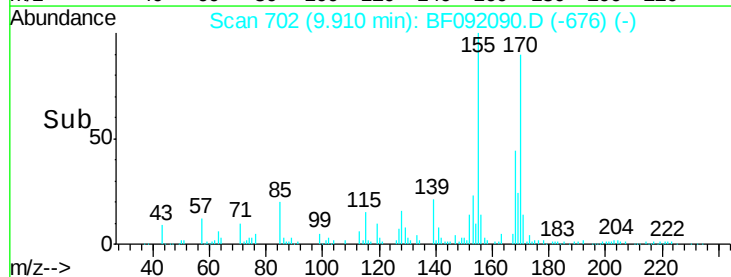
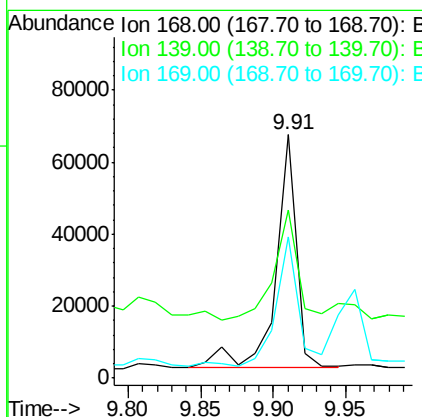
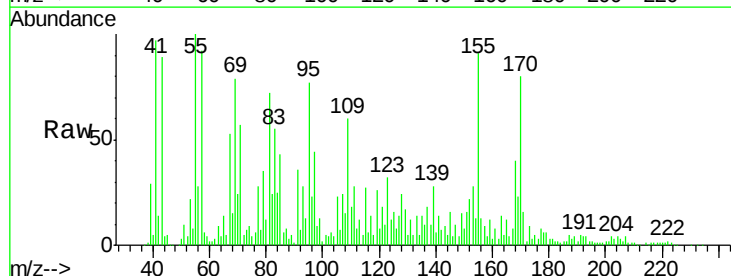
Instrument :
BNA_F
ClientSampleId :
MW-34

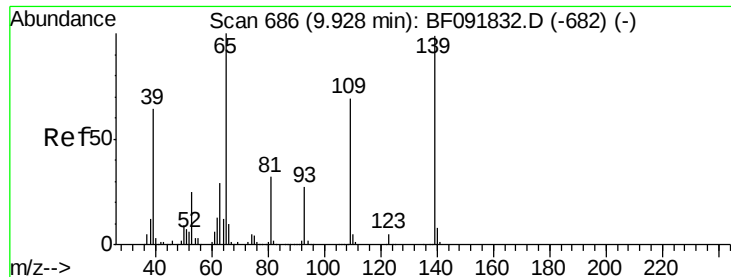
Tgt Ion:163 Resp: 88556
Ion Ratio Lower Upper
163 100
194 8.8 3.0 4.4#
164 32.3 8.0 12.0#



#54
Dibenzofuran
Concen: 2.88 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.00 min
Lab File: BF092090.D
Acq: 5 Jan 2017 1:32

Tgt Ion:168 Resp: 64174
Ion Ratio Lower Upper
168 100
139 68.9 32.6 49.0#
169 57.8 11.3 16.9#





#55

4-Nitrophenol

Concen: 9.92 ng

RT: 9.91 min Scan# 702

Delta R.T. 0.06 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

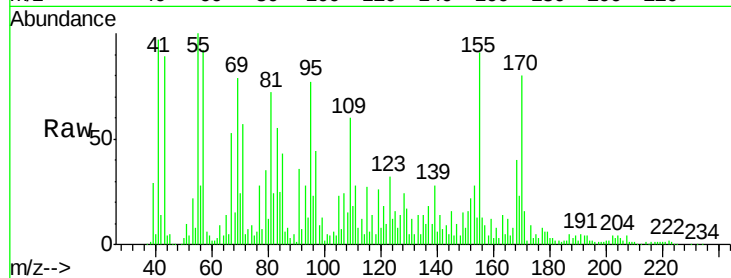
Tgt Ion:139 Resp: 34091

Ion Ratio Lower Upper

139 100

109 217.2 52.2 92.2#

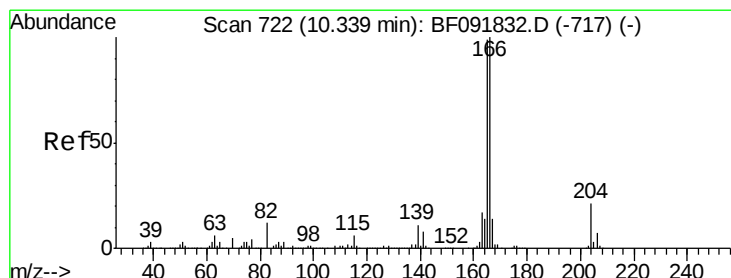
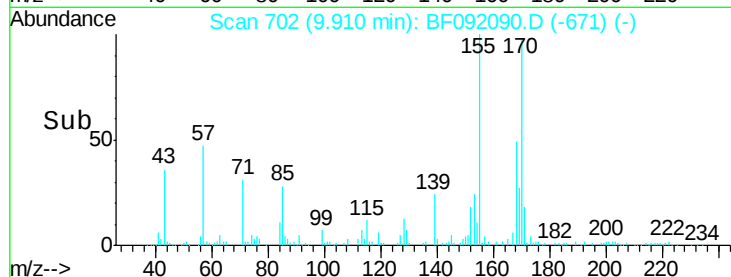
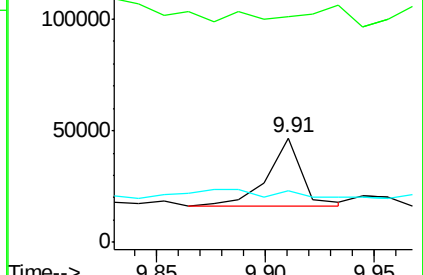
65 49.1 85.8 125.8#



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): BF0



#57

Fluorene

Concen: 3.57 ng

RT: 10.25 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

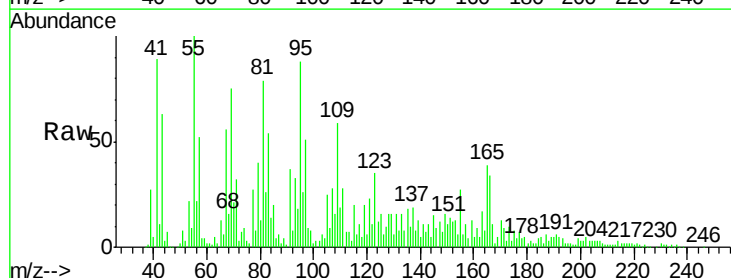
Tgt Ion:166 Resp: 57881

Ion Ratio Lower Upper

166 100

165 114.0 77.8 116.8

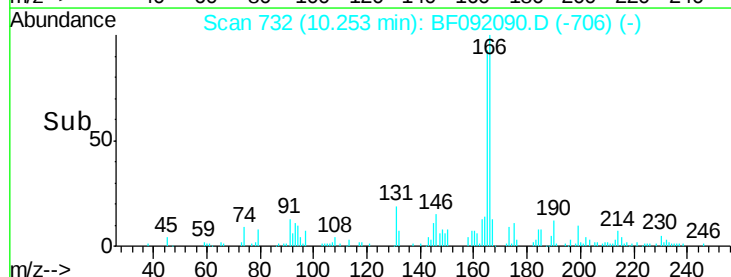
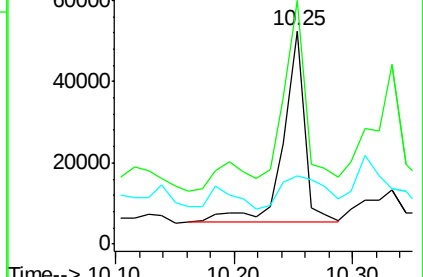
167 32.0 10.8 16.2#

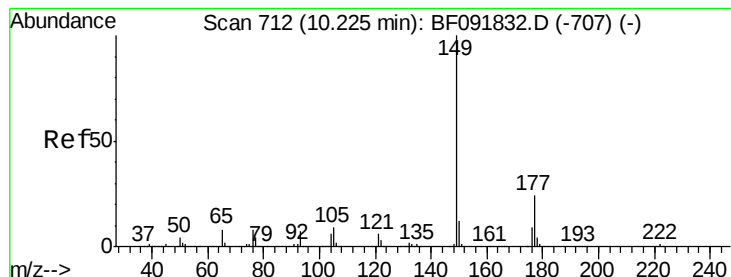


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 3.73 ng

RT: 10.14 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

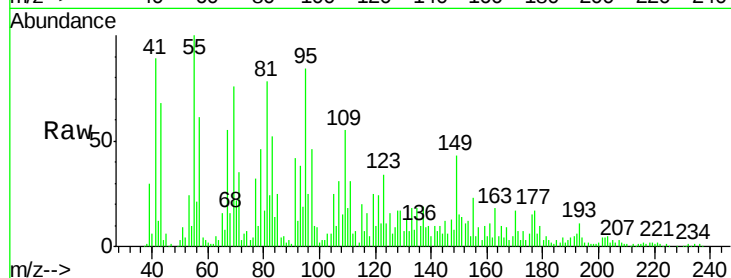
Tgt Ion:149 Resp: 67699

Ion Ratio Lower Upper

149 100

177 40.7 16.6 25.0#

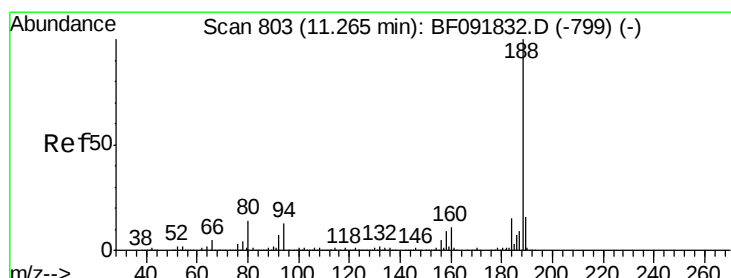
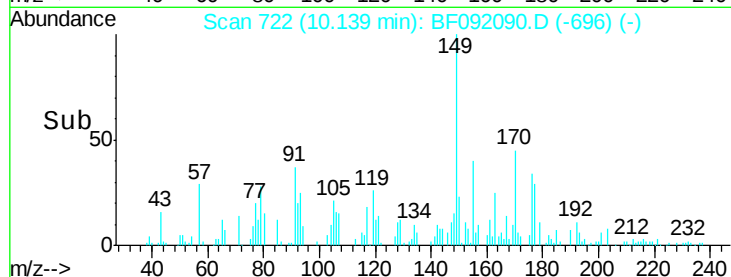
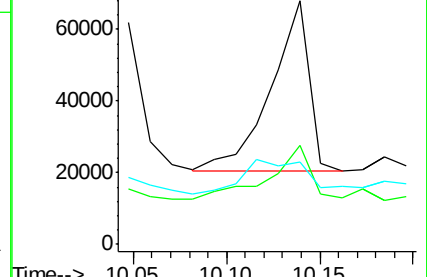
150 34.1 10.4 15.6#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

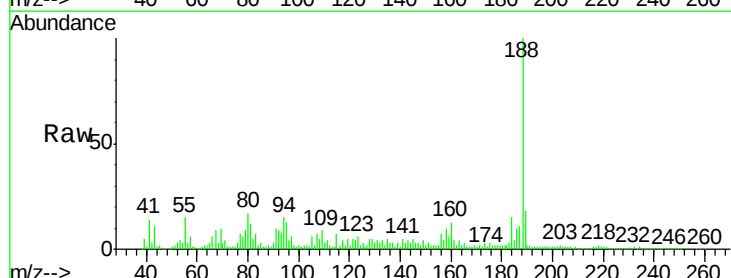
Tgt Ion:188 Resp: 475988

Ion Ratio Lower Upper

188 100

94 15.4 10.0 15.0#

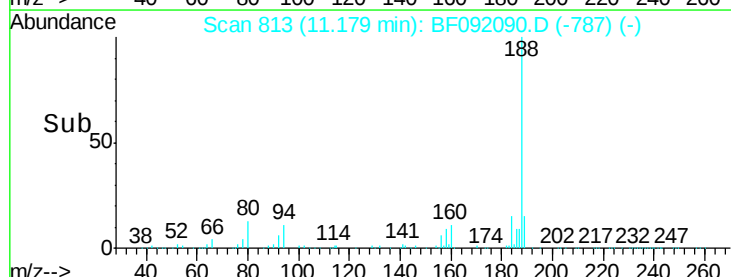
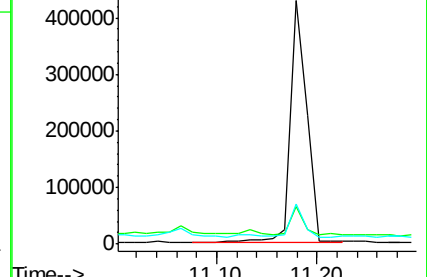
80 16.6 11.2 16.8

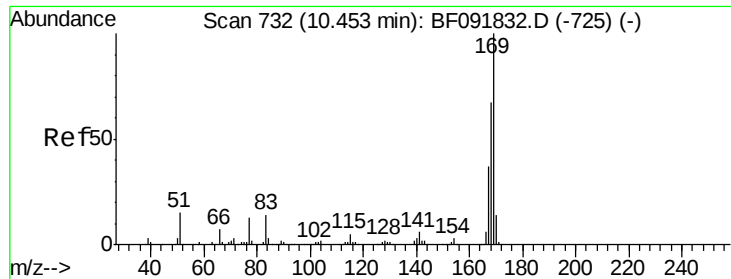


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

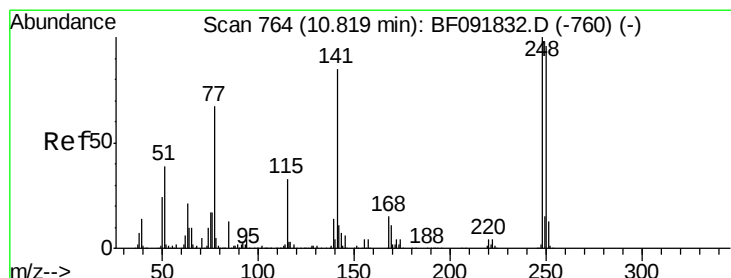
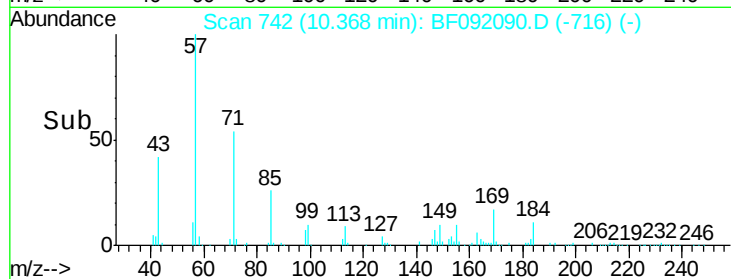
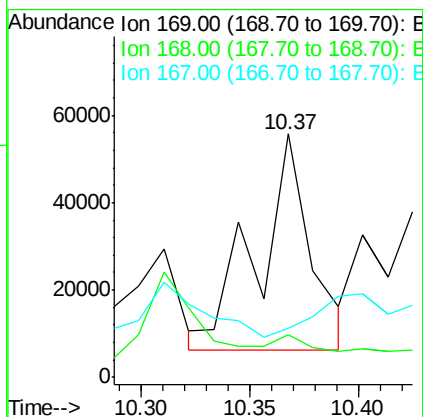
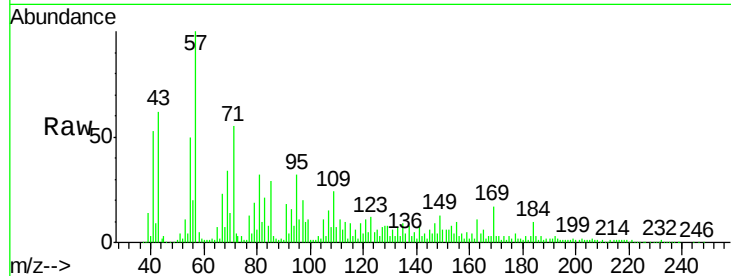




#65
 n-Nitrosodiphenylamine
 Concen: 6.01 ng
 RT: 10.37 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

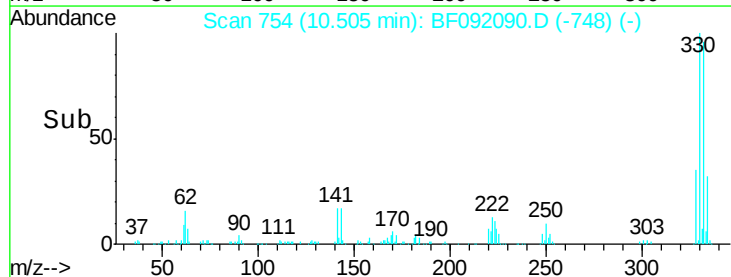
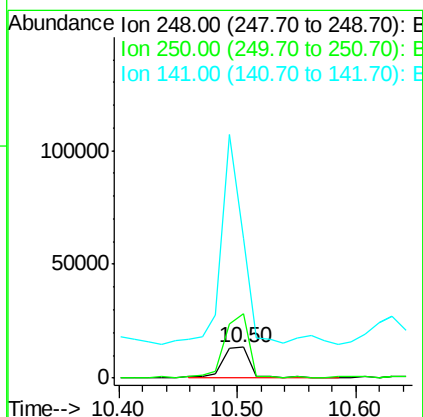
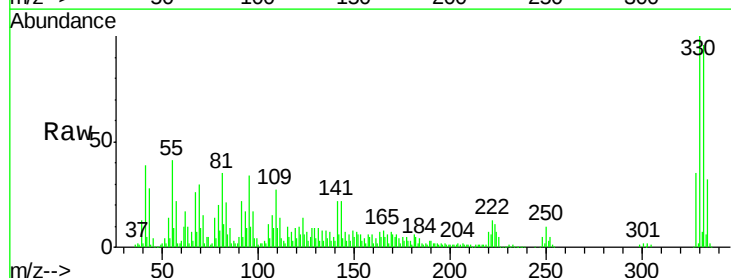
Instrument :
 BNA_F
 ClientSampleId :
 MW-34

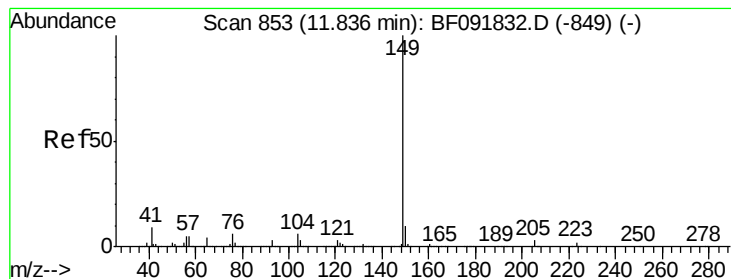
Tgt Ion:169 Resp: 84819
 Ion Ratio Lower Upper
 169 100
 168 17.3 54.2 81.2#
 167 20.0 30.2 45.4#



#66
 4-Bromophenyl-phenylether
 Concen: 3.98 ng
 RT: 10.50 min Scan# 754
 Delta R.T. -0.23 min
 Lab File: BF092090.D
 Acq: 5 Jan 2017 1:32

Tgt Ion:248 Resp: 19708
 Ion Ratio Lower Upper
 248 100
 250 205.9 76.9 115.3#
 141 449.4 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.76 min Scan# 864

Delta R.T. 0.01 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

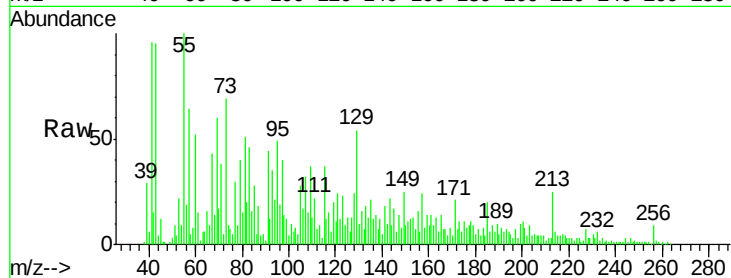
Tgt Ion:149 Resp: 13053

Ion Ratio Lower Upper

149 100

150 34.5 8.1 12.1#

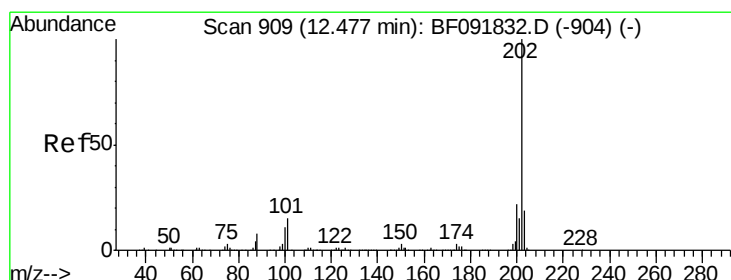
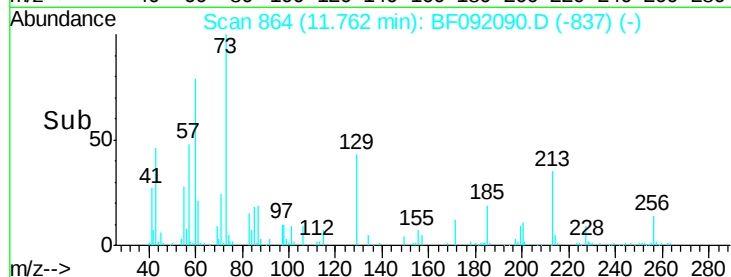
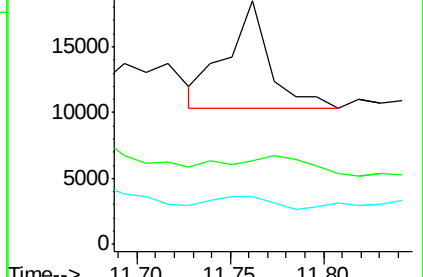
104 19.4 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.39 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

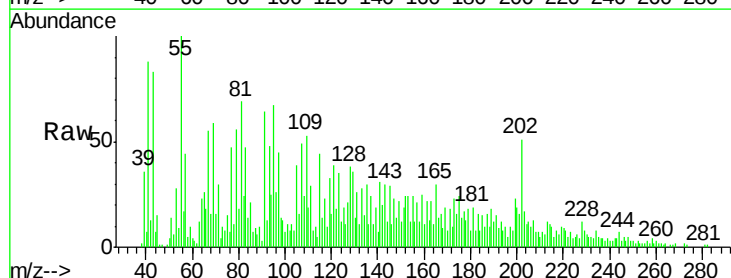
Tgt Ion:202 Resp: 10569

Ion Ratio Lower Upper

202 100

101 21.1 0.0 34.6

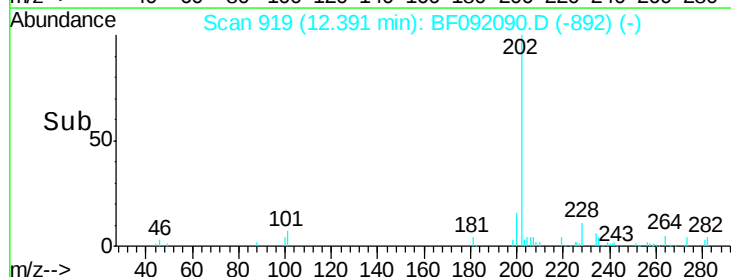
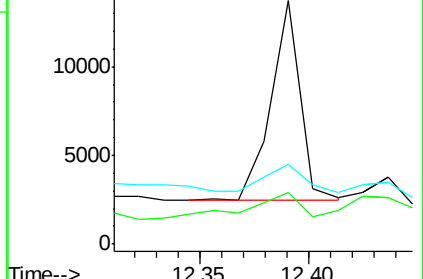
203 32.6 0.0 38.7

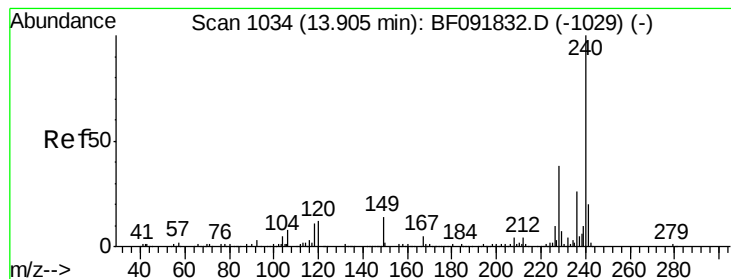


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

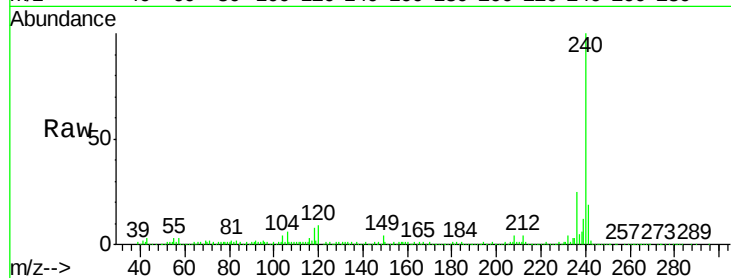
Tgt Ion:240 Resp: 452937

Ion Ratio Lower Upper

240 100

120 9.1 12.9 19.3#

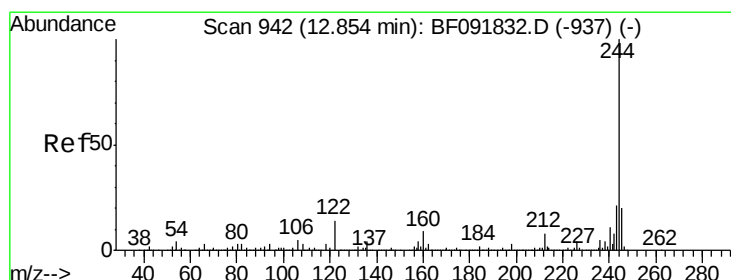
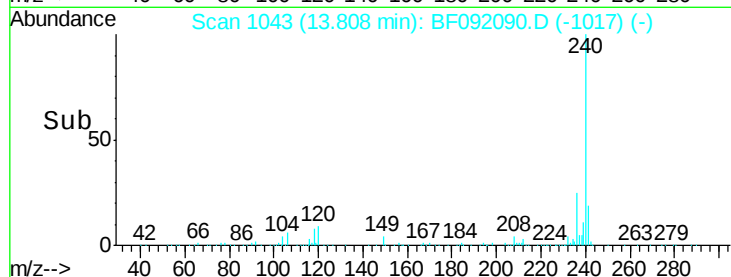
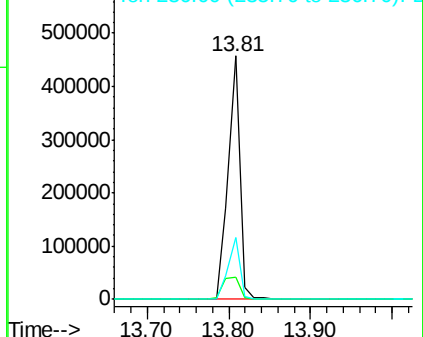
236 25.5 20.9 31.3



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: 74.83 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

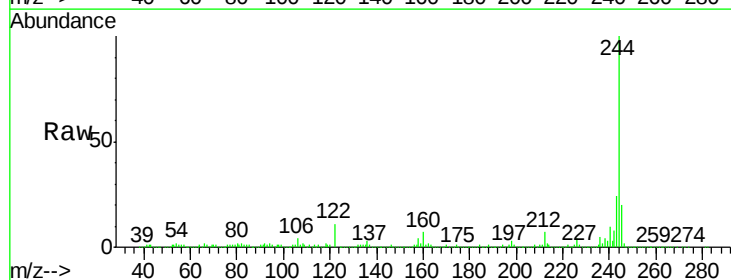
Tgt Ion:244 Resp: 1397417

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

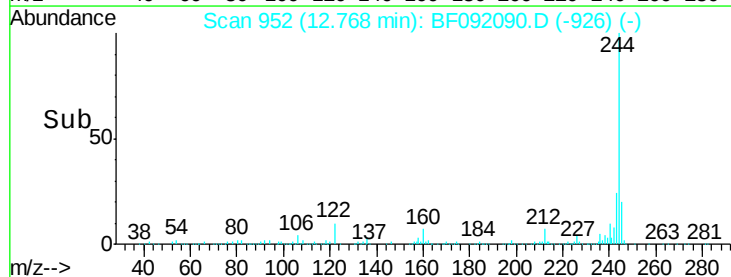
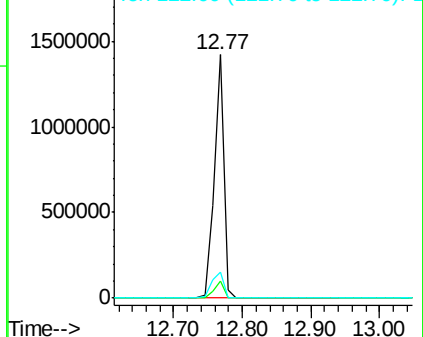
122 10.5 11.4 17.2#

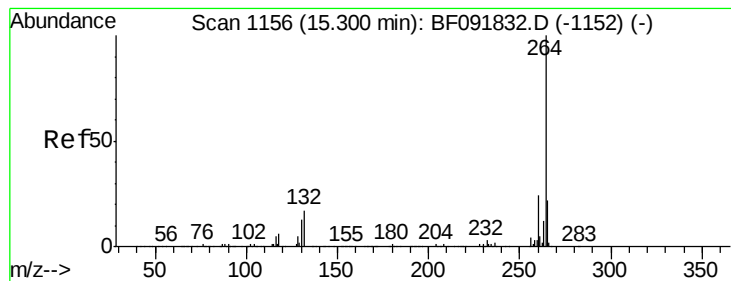


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.18 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF092090.D

Acq: 5 Jan 2017 1:32

Instrument :

BNA_F

ClientSampleId :

MW-34

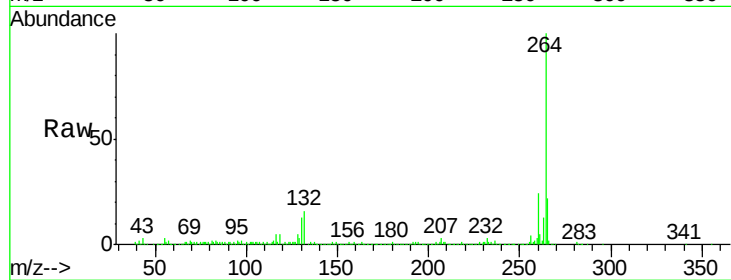
Tgt Ion: 264 Resp: 366384

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.7 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

