

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092089.D
 Acq On : 5 Jan 2017 1:04
 Operator : UM/SJ
 Sample : I1004-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-35

Quant Time: Jan 05 02:13:09 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	192096	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	665210	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	350638	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	670400	20.00	ng	0.00
75) Chrysene-d12	13.80	240	467911	20.00	ng	-0.01
86) Perylene-d12	15.18	264	384372	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	393717	34.22	ng	0.00
7) Phenol-d6	6.32	99	296414	21.10	ng	-0.01
23) Nitrobenzene-d5	7.24	82	719224	60.12	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	212234	73.14	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	1003876	53.95	ng	0.00
78) Terphenyl-d14	12.76	244	928065	48.10	ng	-0.01

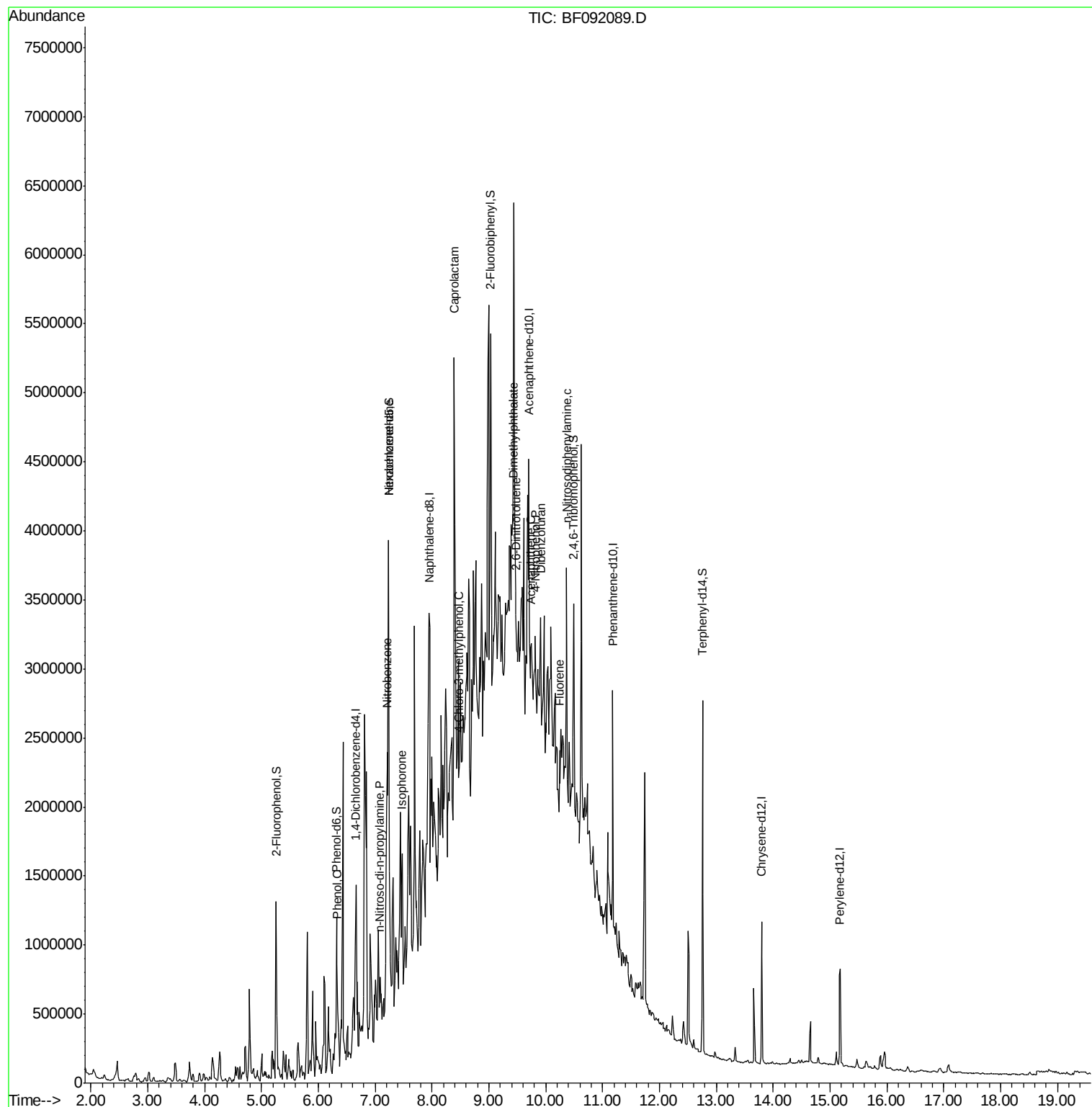
Target Compounds						Qvalue
10) Phenol	6.33	94	191799	11.98	ng	# 72
18) Hexachloroethane	7.24	117	811094	153.86	ng	# 3
19) n-Nitroso-di-n-propylamine	7.09	70	25376	2.72	ng	# 71
24) Nitrobenzene	7.21	77	105123	8.25	ng	# 31
25) Isophorone	7.48	82	69718	3.16	ng	# 1
35) Caprolactam	8.39	113	90810	31.31	ng	# 1
36) 4-Chloro-3-methylphenol	8.47	107	22330	2.20	ng	# 35
37) 2-Methylnaphthalene	8.66	142	9121	Below Cal		# 5
49) Dimethylphthalate	9.43	163	119381	5.32	ng	# 87
50) 2,6-Dinitrotoluene	9.48	165	13720	2.80	ng	# 82
51) Acenaphthene	9.74	154	72717	3.67	ng	# 91
54) Dibenzofuran	9.91	168	101389	3.79	ng	# 83
55) 4-Nitrophenol	9.82	139	10736	2.60	ng	# 1
57) Fluorene	10.24	166	51420	2.64	ng	# 83
65) n-Nitrosodiphenylamine	10.37	169	49765	2.50	ng	# 47
71) Anthracene	11.25	178	2556	Below Cal		# 1
73) Di-n-butylphthalate	11.75	149	15511	Below Cal		# 81
74) Fluoranthene	12.38	202	5054	Below Cal		# 82
76) Benizidine	12.49	184	724	Below Cal		# 1

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

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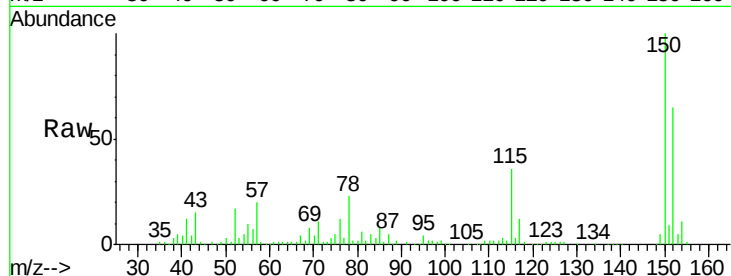




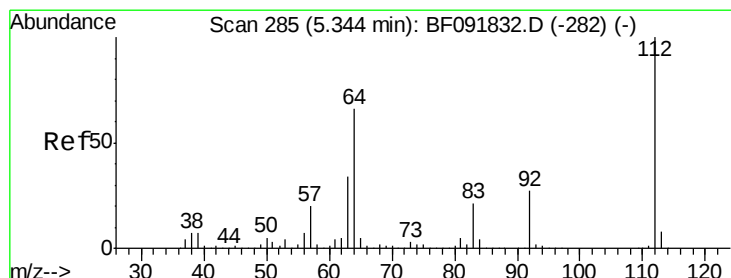
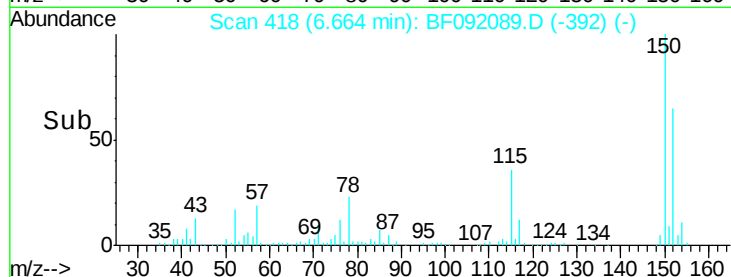
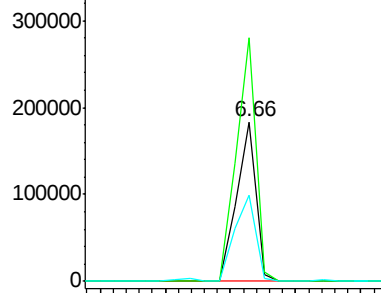
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 418
 Delta R.T. -0.00 min
 Lab File: BF092089.D
 Acq: 5 Jan 2017 1:04

Instrument :
 BNA_F
 ClientSampled :
 MW-35

Tgt Ion:152 Resp: 192096
 Ion Ratio Lower Upper
 152 100
 150 152.9 124.9 187.3
 115 54.5 46.0 69.0

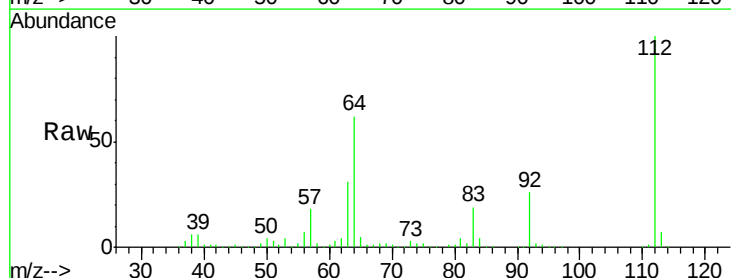


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

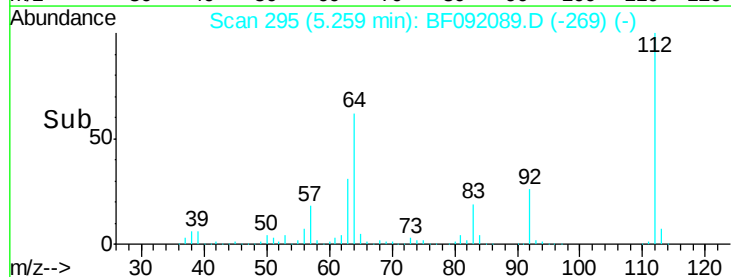
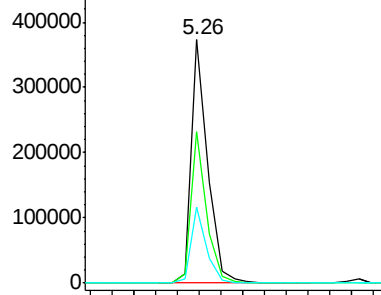


#5
 2-Fluorophenol
 Concen: 34.22 ng
 RT: 5.26 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: BF092089.D
 Acq: 5 Jan 2017 1:04

Tgt Ion:112 Resp: 393717
 Ion Ratio Lower Upper
 112 100
 64 62.0 46.1 69.1
 63 31.4 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: 21.10 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

MW-35

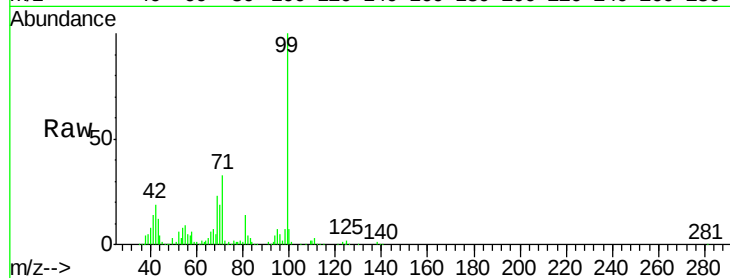
Tgt Ion: 99 Resp: 296414

Ion Ratio Lower Upper

99 100

42 18.7 15.6 23.4

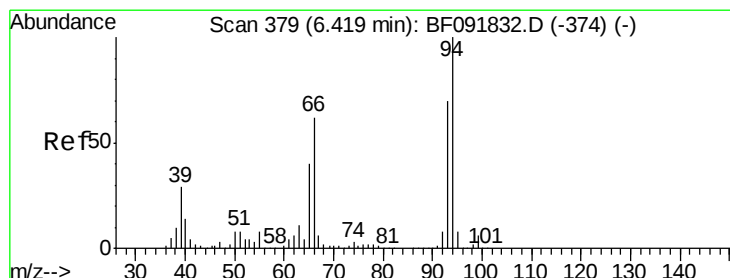
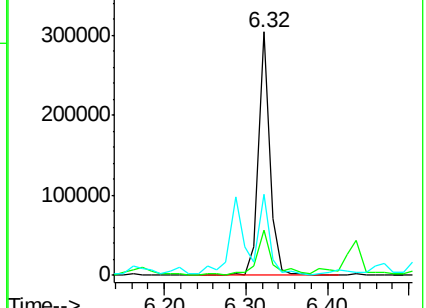
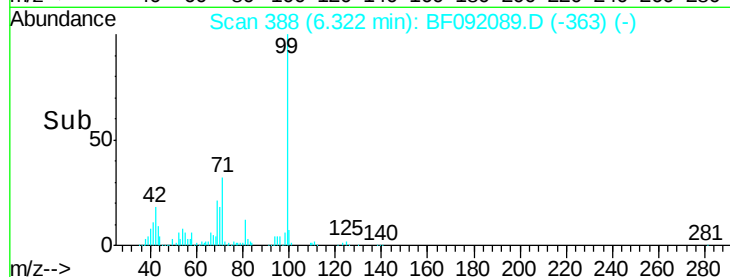
71 33.3 27.5 41.3



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: 11.98 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

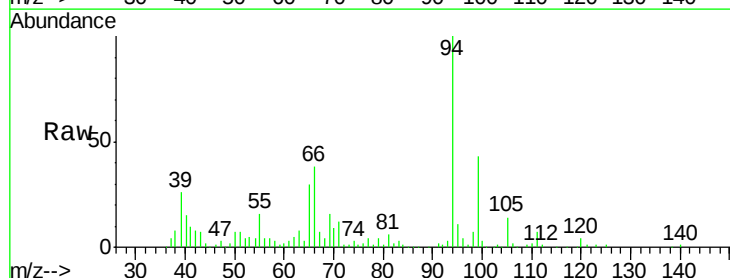
Tgt Ion: 94 Resp: 191799

Ion Ratio Lower Upper

94 100

65 29.7 21.4 61.4

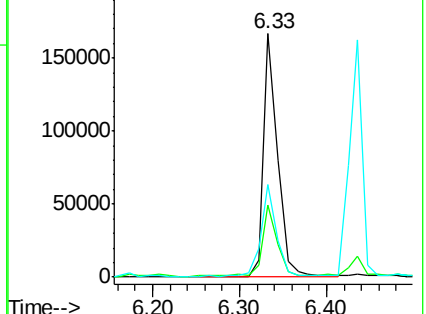
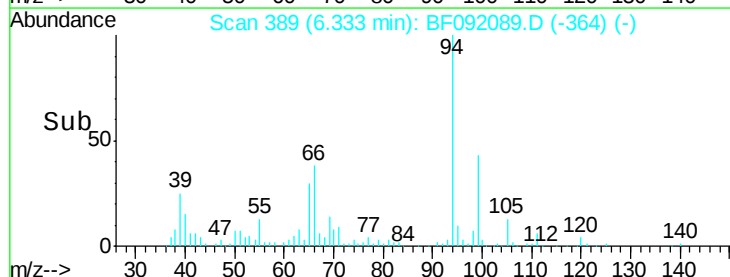
66 37.9 44.0 84.0#

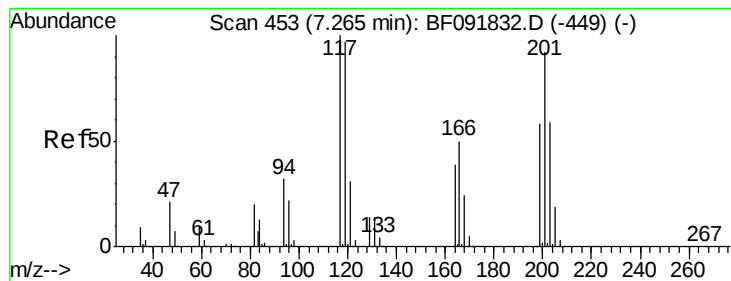


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#18

Hexachloroethane

Concen: 153.86 ng

RT: 7.24 min Scan# 468

Delta R.T. 0.06 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

MW-35

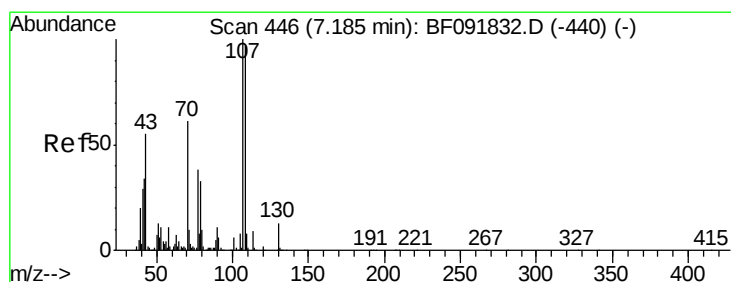
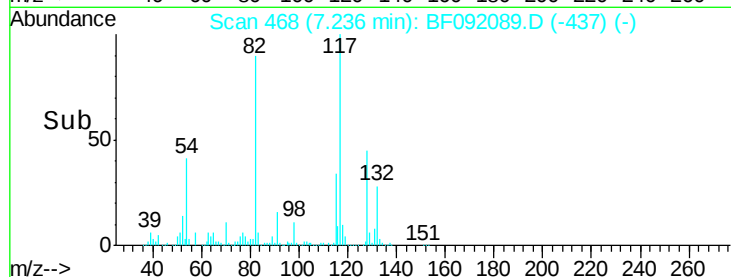
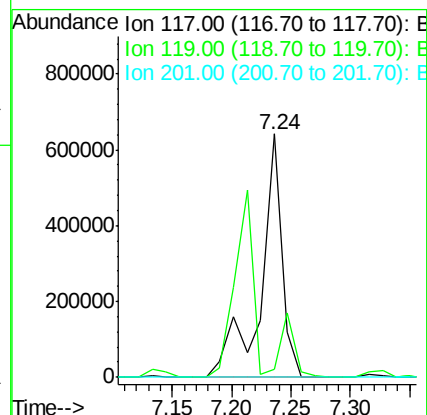
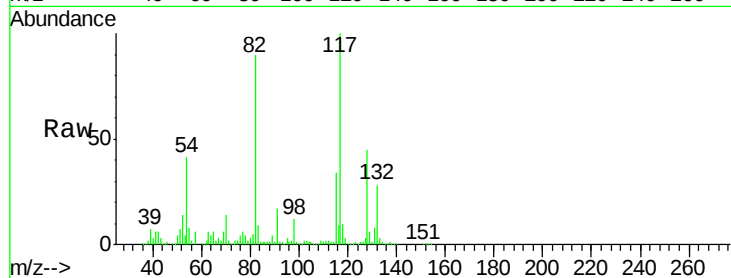
Tgt Ion:117 Resp: 811094

Ion Ratio Lower Upper

117 100

119 3.5 78.1 117.1#

201 0.0 78.6 117.8#



#19

n-Nitroso-di-n-propylamine

Concen: 2.72 ng

RT: 7.09 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Tgt Ion: 70 Resp: 25376

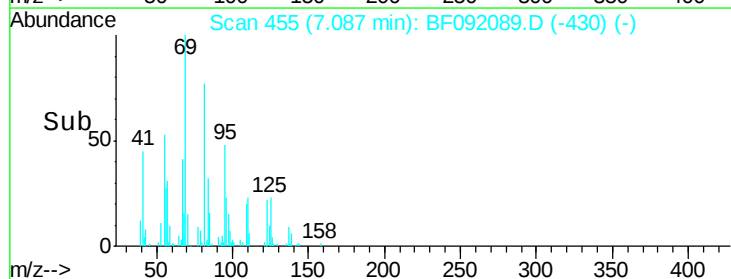
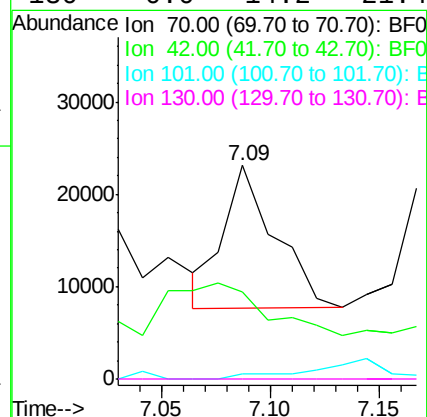
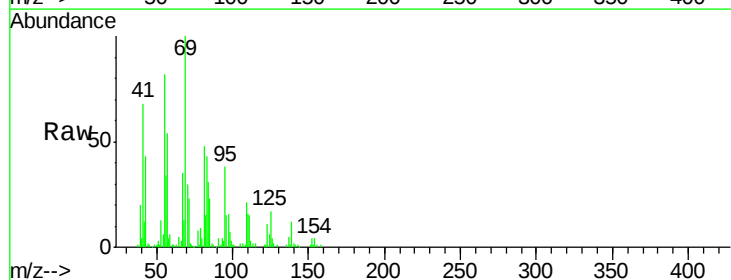
Ion Ratio Lower Upper

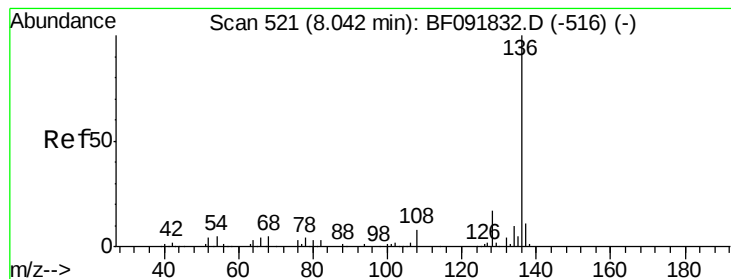
70 100

42 40.9 49.4 74.0#

101 2.7 7.4 11.2#

130 0.0 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

MW-35

Tgt Ion: 136 Resp: 665210

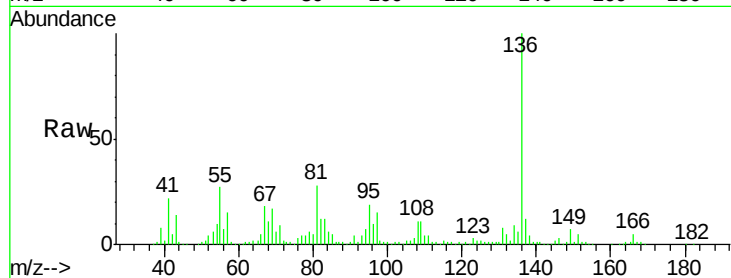
Ion Ratio Lower Upper

136 100

137 12.1 8.4 12.6

54 10.4 4.5 6.7#

68 10.5 3.6 5.4#



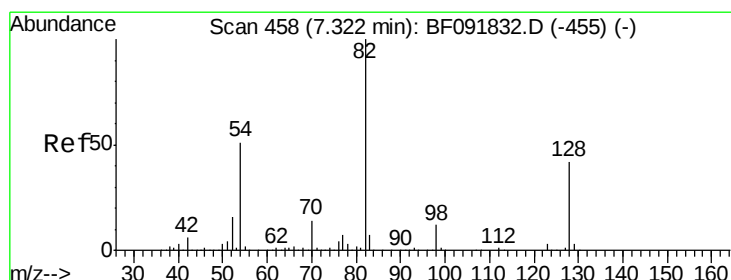
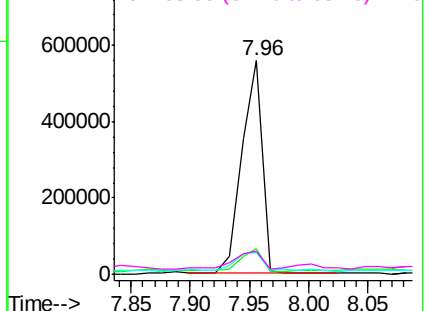
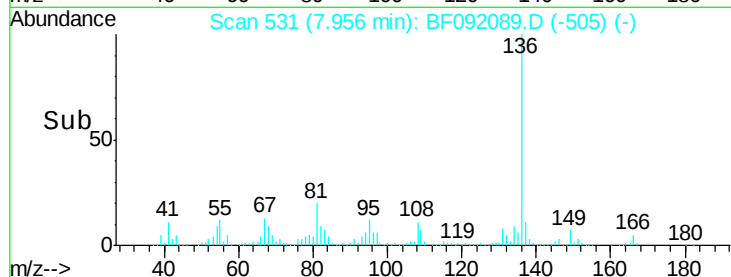
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 60.12 ng

RT: 7.24 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

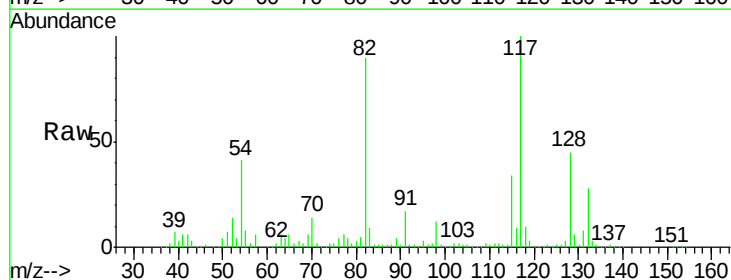
Tgt Ion: 82 Resp: 719224

Ion Ratio Lower Upper

82 100

128 49.2 34.6 52.0

54 45.5 39.5 59.3

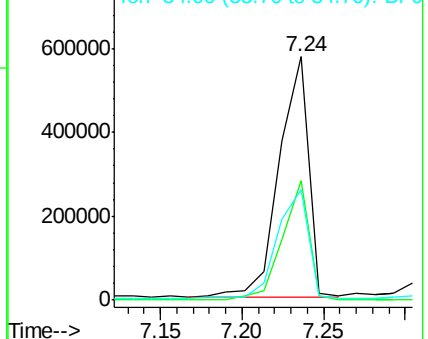
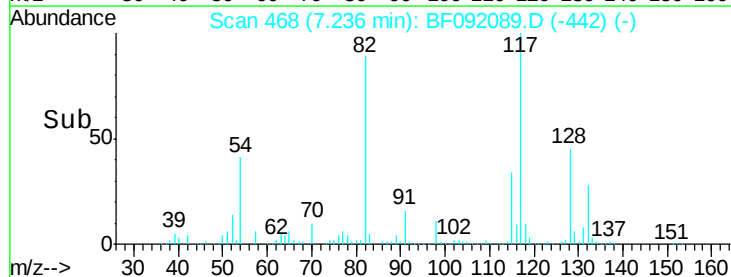


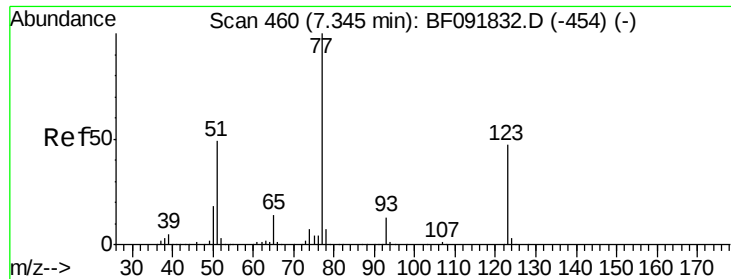
Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 8.25 ng

RT: 7.21 min Scan# 466

Delta R.T. -0.05 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

MW-35

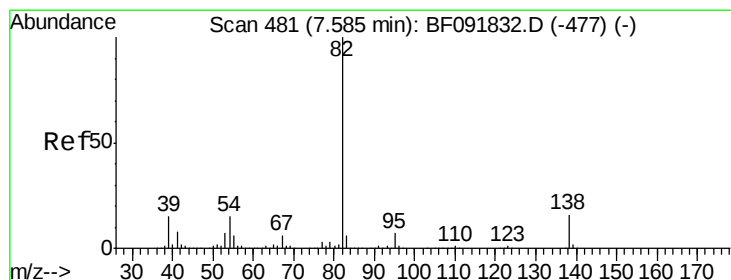
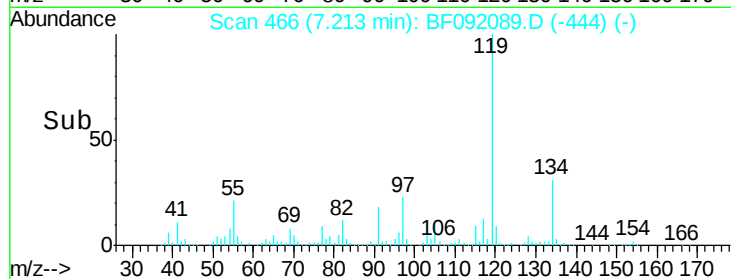
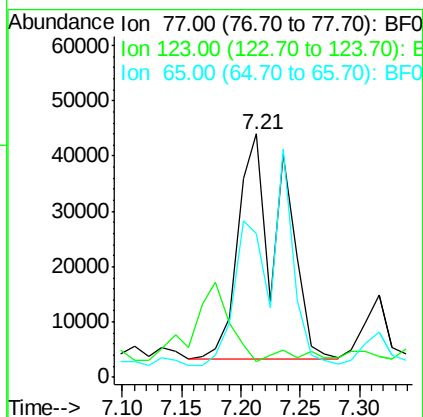
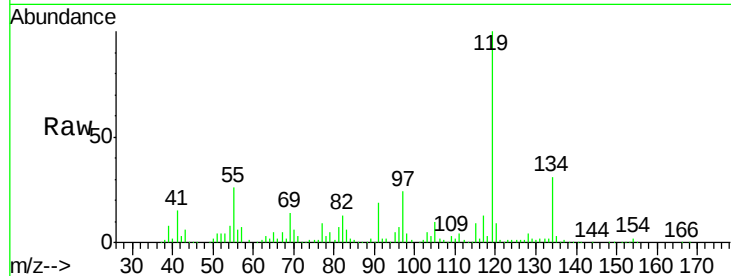
Tgt Ion: 77 Resp: 105123

Ion Ratio Lower Upper

77 100

123 6.5 33.0 49.4#

65 59.0 11.2 16.8#



#25

Isophorone

Concen: 3.16 ng

RT: 7.48 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

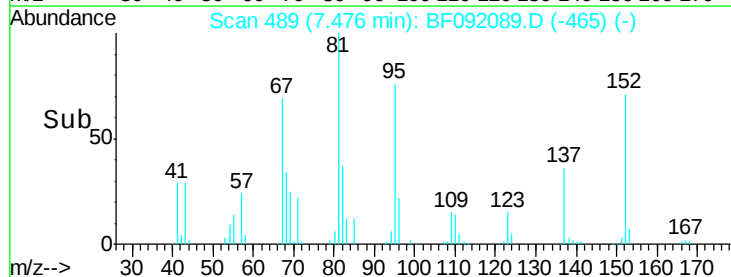
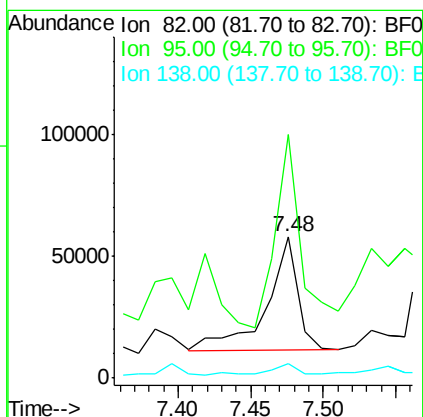
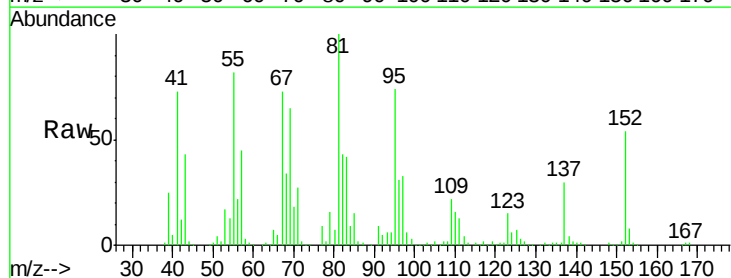
Tgt Ion: 82 Resp: 69718

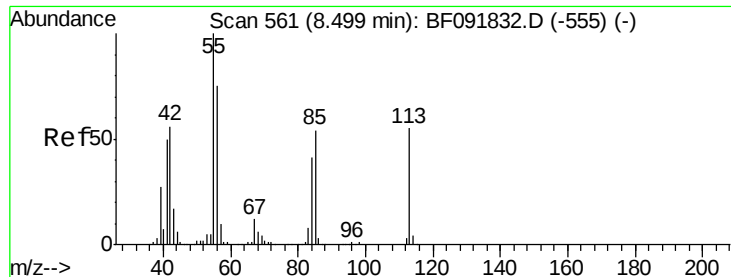
Ion Ratio Lower Upper

82 100

95 171.9 5.6 8.4#

138 10.1 14.6 22.0#





#35

Caprolactam

Concen: 31.31 ng

RT: 8.39 min Scan# 569

Delta R.T. -0.02 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

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ClientSampleId :

MW-35

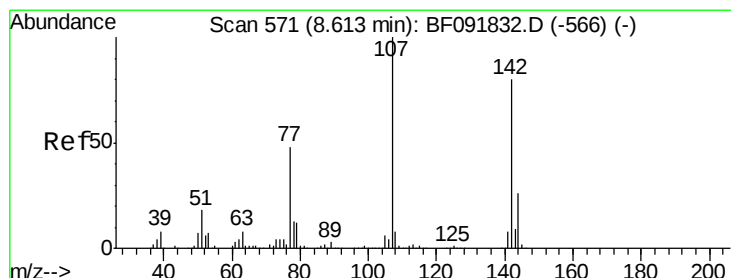
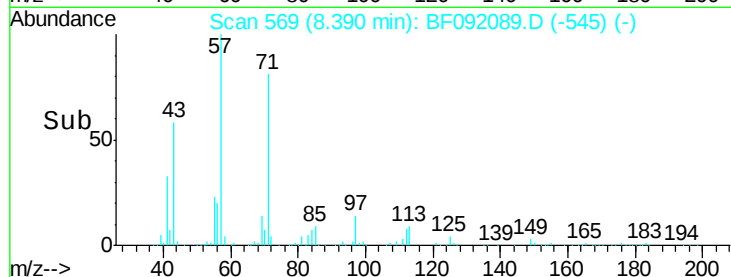
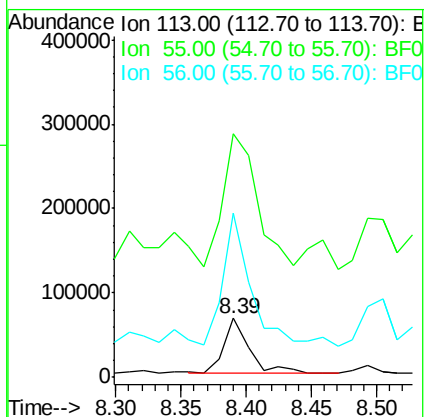
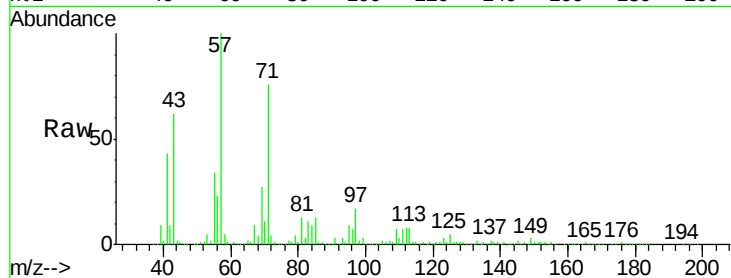
Tgt Ion:113 Resp: 90810

Ion Ratio Lower Upper

113 100

55 413.2 119.2 159.2#

56 278.8 83.8 123.8#



#36

4-Chloro-3-methylphenol

Concen: 2.20 ng

RT: 8.47 min Scan# 576

Delta R.T. -0.06 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

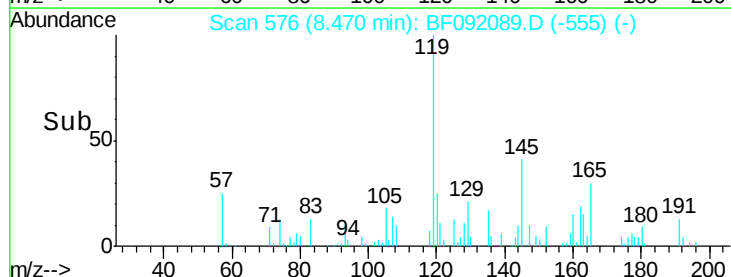
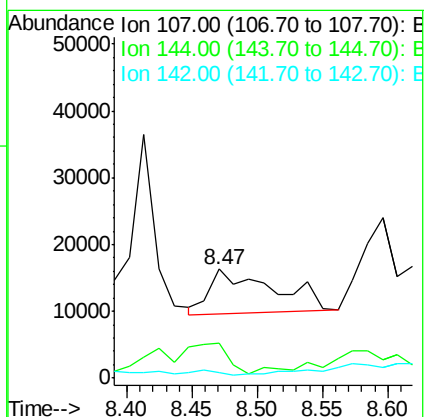
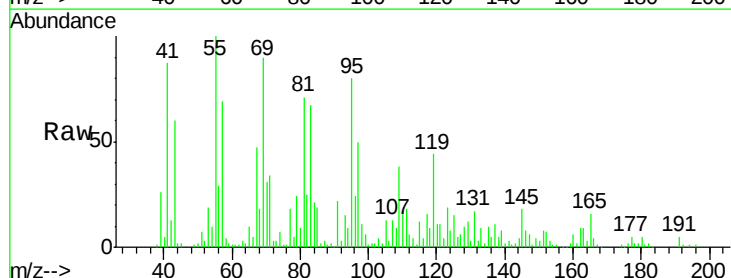
Tgt Ion:107 Resp: 22330

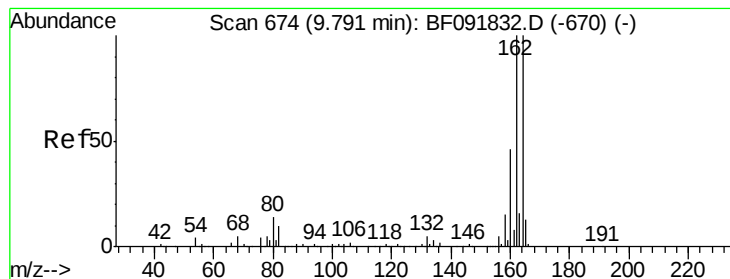
Ion Ratio Lower Upper

107 100

144 31.8 19.3 28.9#

142 5.5 59.0 88.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

MW-35

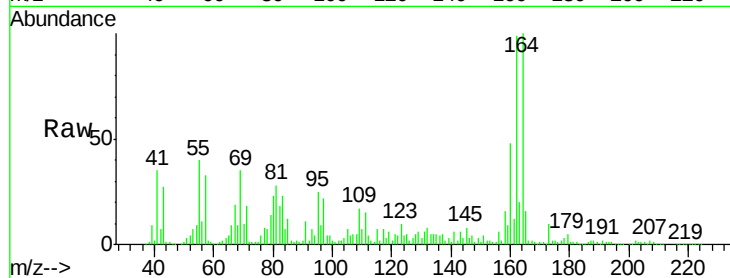
Tgt Ion:164 Resp: 350638

Ion Ratio Lower Upper

164 100

162 99.3 80.2 120.2

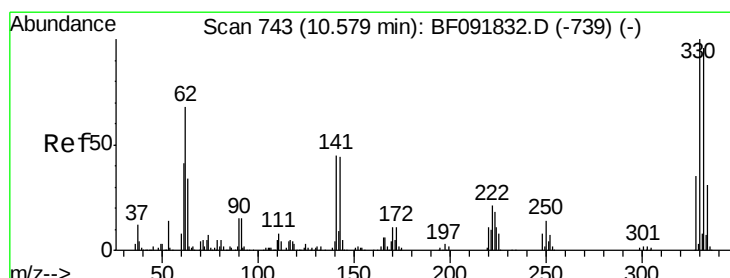
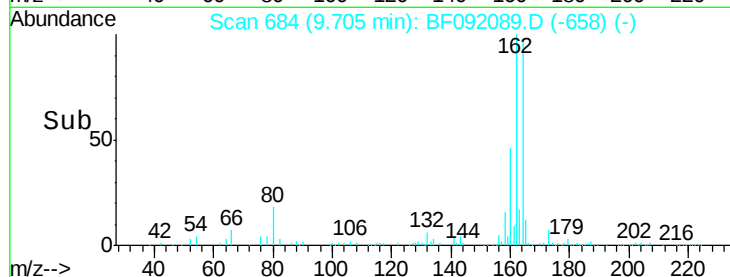
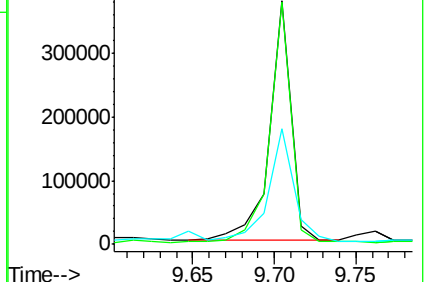
160 47.6 36.9 55.3



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: 73.14 ng

RT: 10.49 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

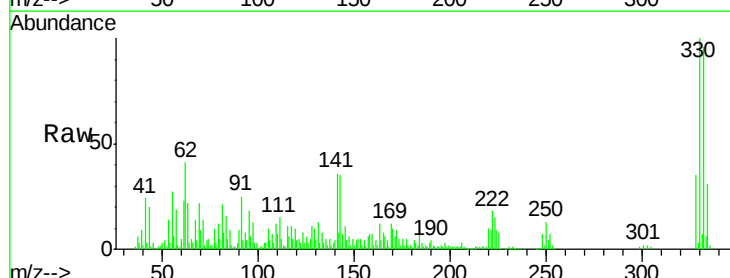
Tgt Ion:330 Resp: 212234

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

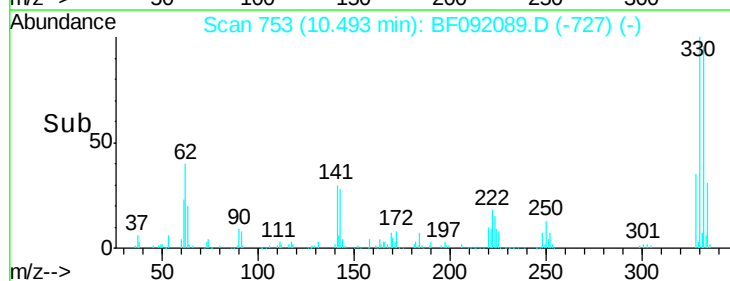
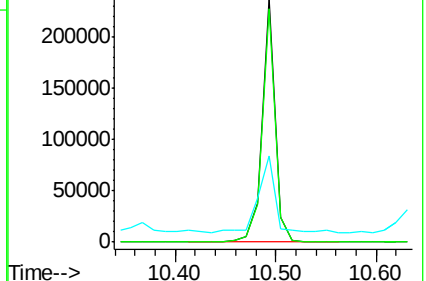
141 40.7 34.1 51.1

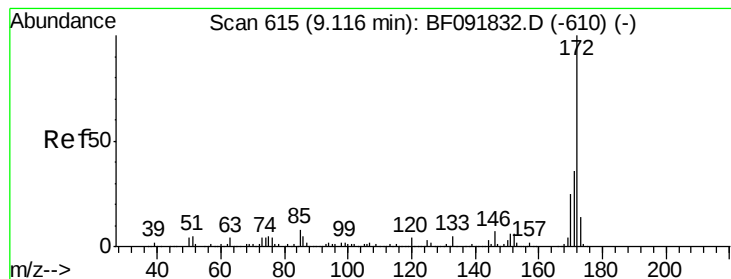


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 53.95 ng

RT: 9.03 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

MW-35

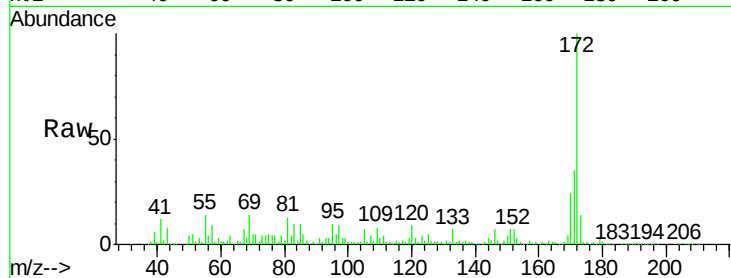
Tgt Ion:172 Resp: 1003876

Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

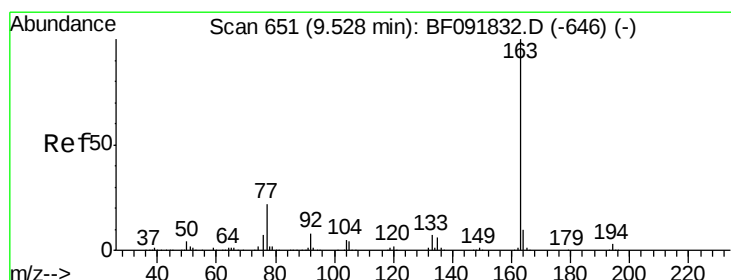
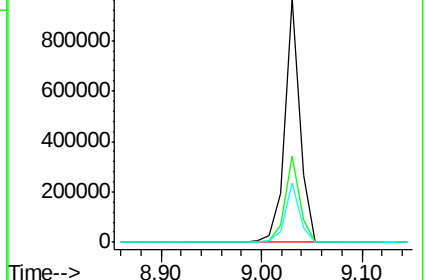
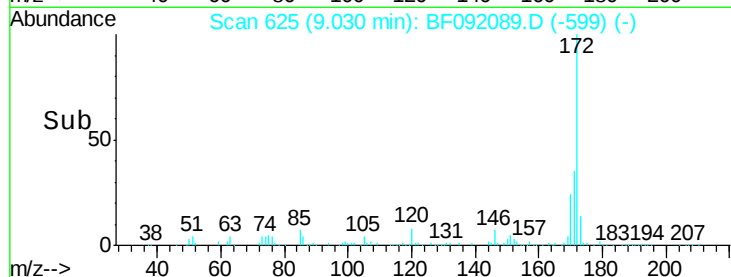
170 24.1 20.2 30.4



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: 5.32 ng

RT: 9.43 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

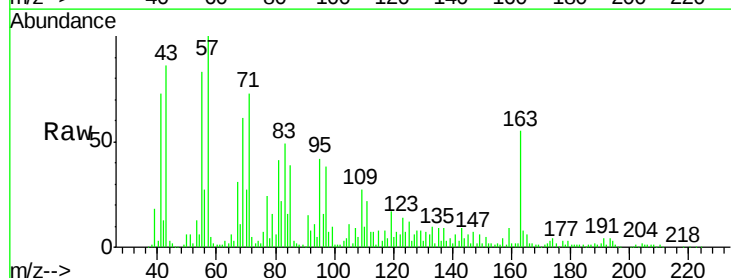
Tgt Ion:163 Resp: 119381

Ion Ratio Lower Upper

163 100

194 6.1 3.0 4.4#

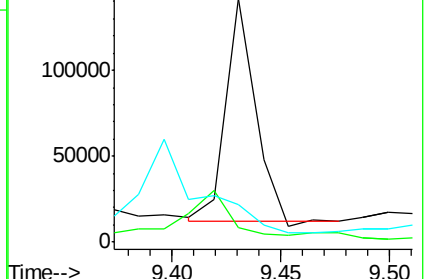
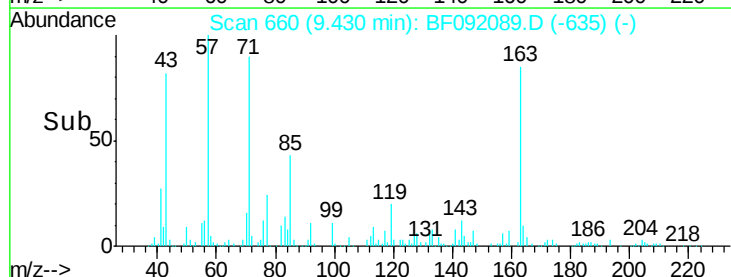
164 15.4 8.0 12.0#

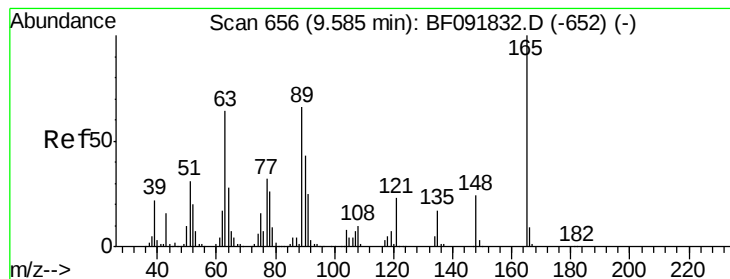


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 2.80 ng

RT: 9.48 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

MW-35

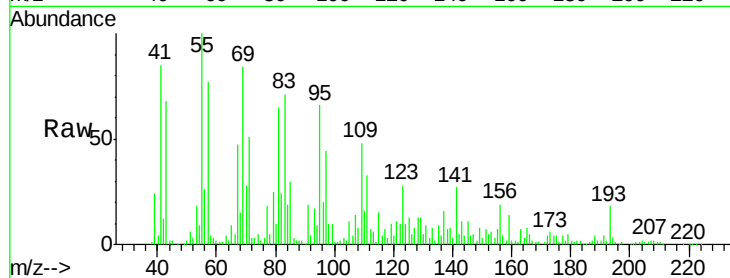
Tgt Ion:165 Resp: 13720

Ion Ratio Lower Upper

165 100

63 47.7 36.2 54.4

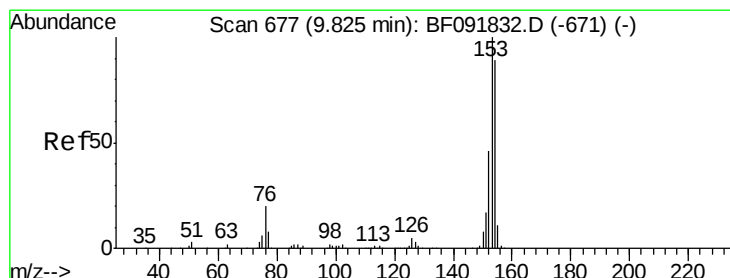
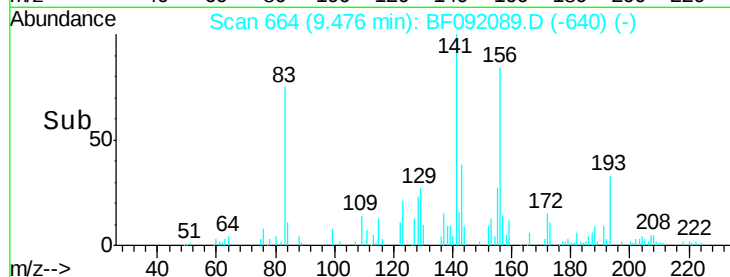
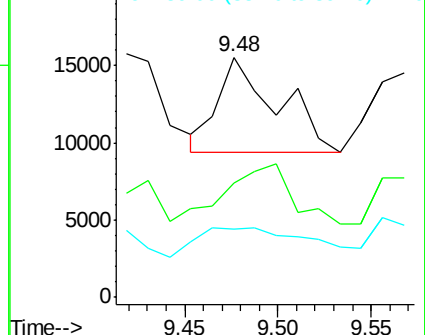
89 28.4 40.2 60.4#



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



#51

Acenaphthene

Concen: 3.67 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

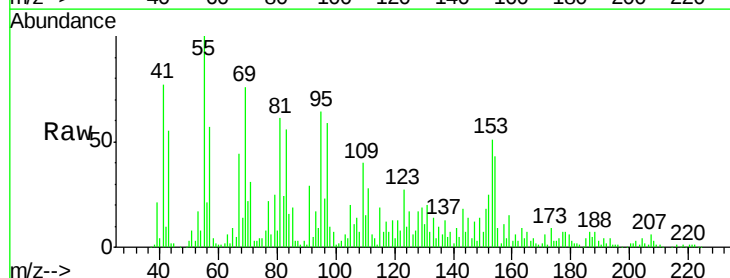
Tgt Ion:154 Resp: 72717

Ion Ratio Lower Upper

154 100

153 119.5 88.6 133.0

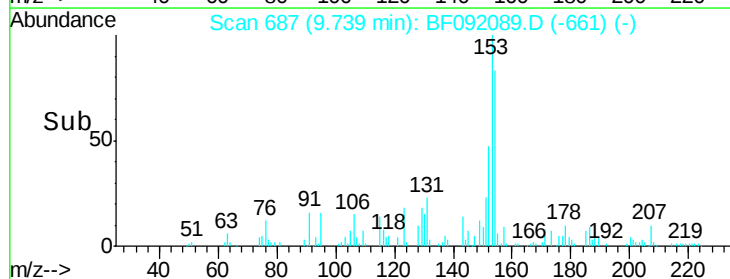
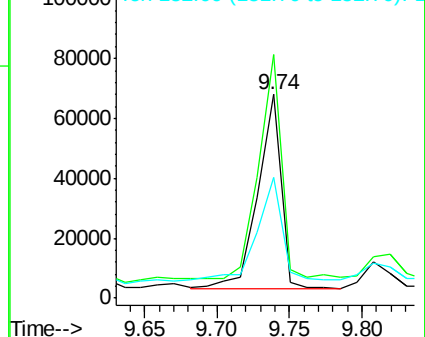
152 59.2 41.6 62.4

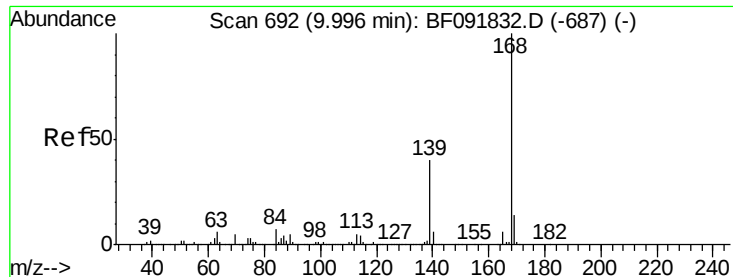


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

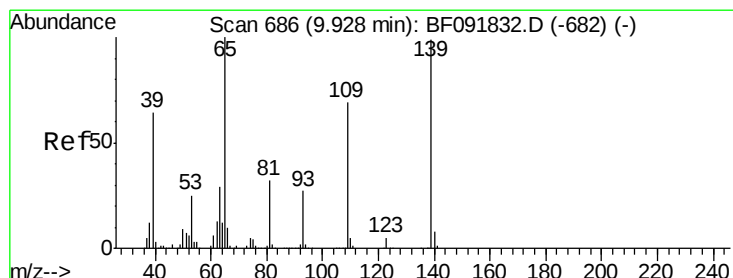
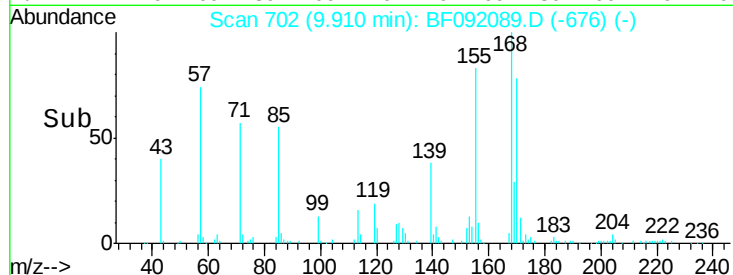
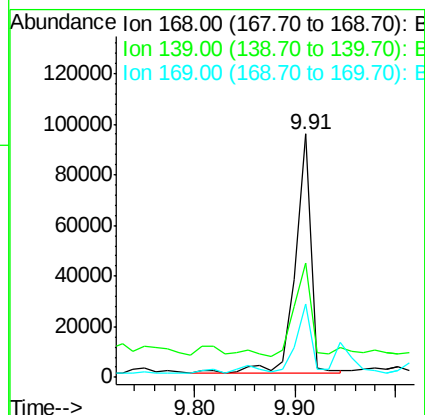
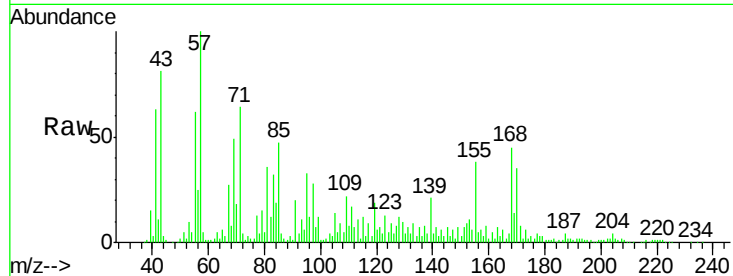




#54
Dibenzofuran
Concen: 3.79 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.00 min
Lab File: BF092089.D
Acq: 5 Jan 2017 1:04

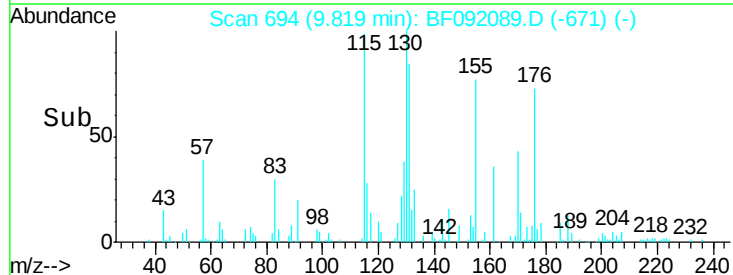
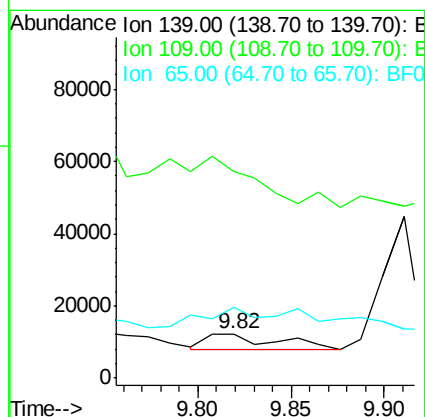
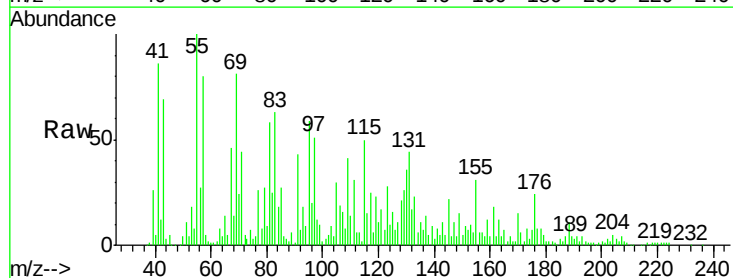
Instrument :
BNA_F
ClientSampleId :
MW-35

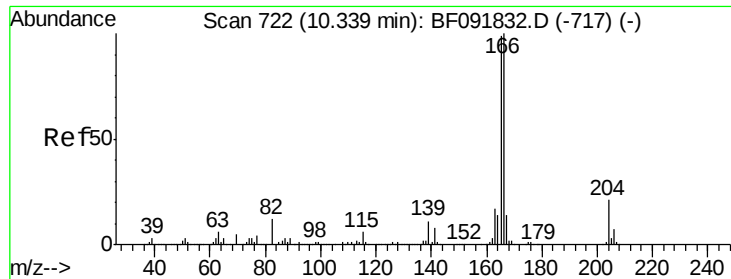
Tgt Ion:168 Resp: 101389
Ion Ratio Lower Upper
168 100
139 46.7 32.6 49.0
169 30.3 11.3 16.9#



#55
4-Nitrophenol
Concen: 2.60 ng
RT: 9.82 min Scan# 694
Delta R.T. -0.03 min
Lab File: BF092089.D
Acq: 5 Jan 2017 1:04

Tgt Ion:139 Resp: 10736
Ion Ratio Lower Upper
139 100
109 467.6 52.2 92.2#
65 159.7 85.8 125.8#

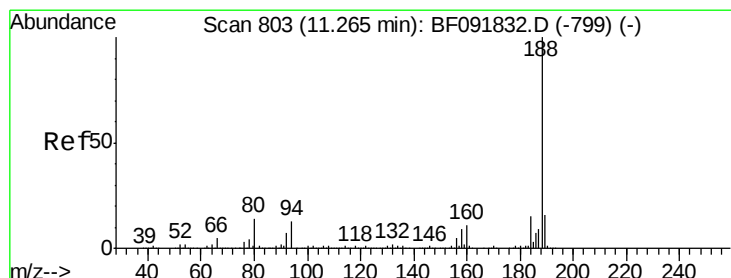
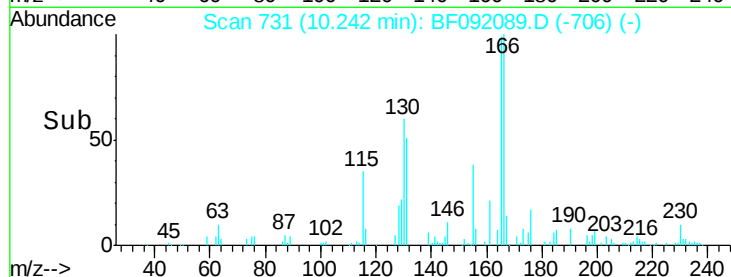
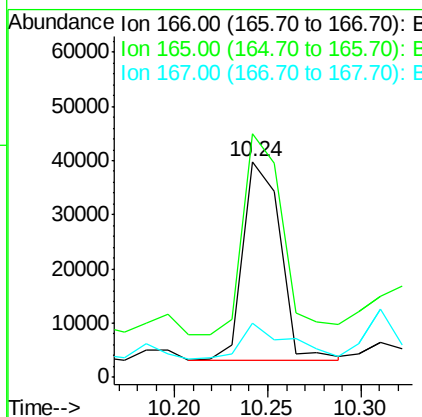
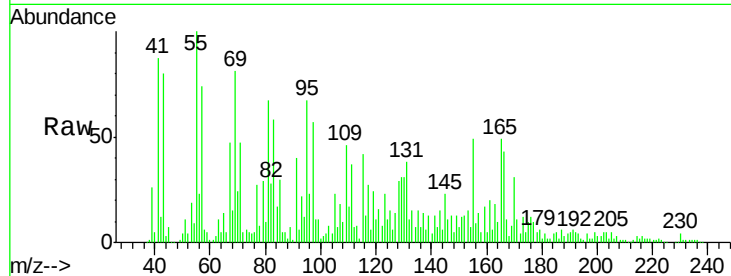




#57
 Fluorene
 Concen: 2.64 ng
 RT: 10.24 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF092089.D
 Acq: 5 Jan 2017 1:04

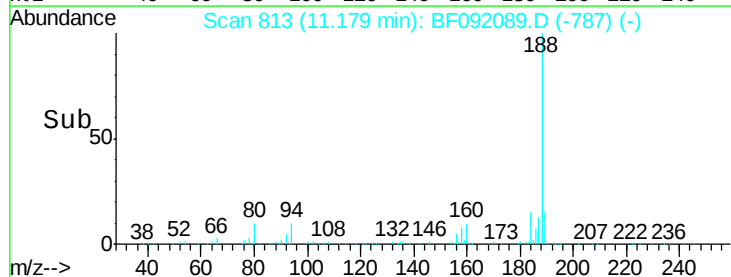
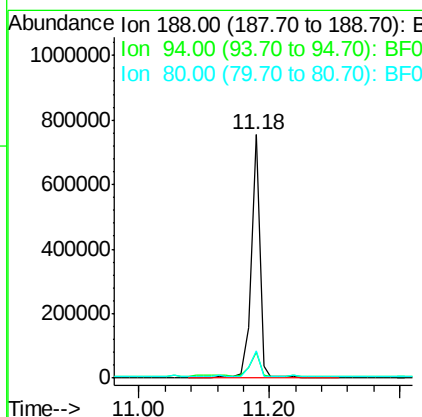
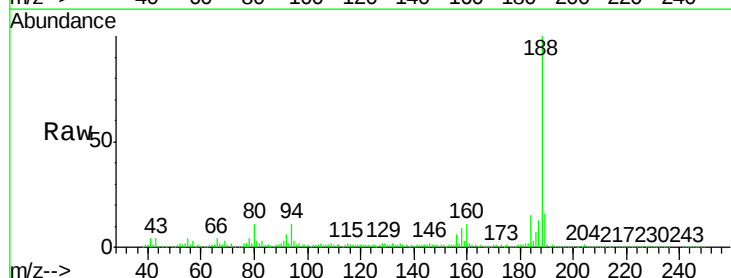
Instrument :
 BNA_F
 ClientSampleId :
 MW-35

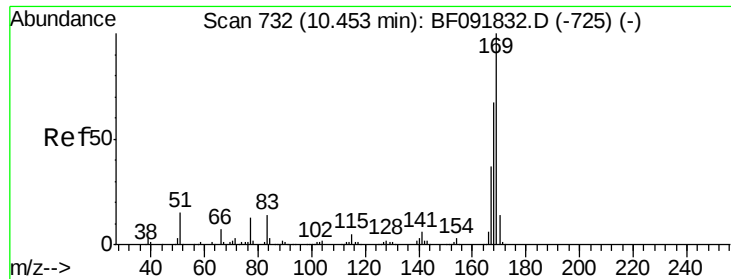
Tgt Ion:166 Resp: 51420
 Ion Ratio Lower Upper
 166 100
 165 112.8 77.8 116.8
 167 25.1 10.8 16.2#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF092089.D
 Acq: 5 Jan 2017 1:04

Tgt Ion:188 Resp: 670400
 Ion Ratio Lower Upper
 188 100
 94 10.6 10.0 15.0
 80 11.1 11.2 16.8#

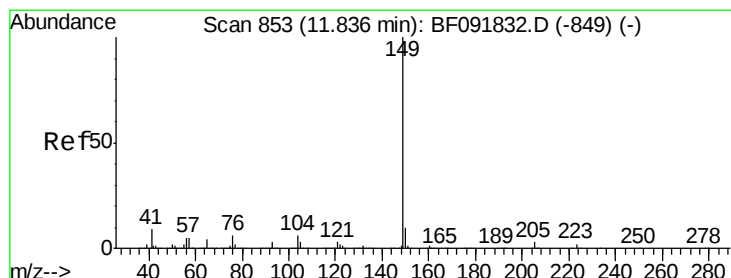
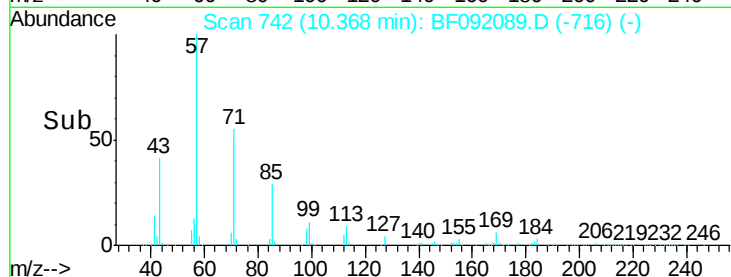
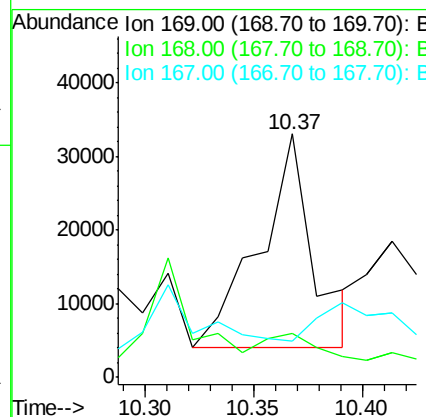
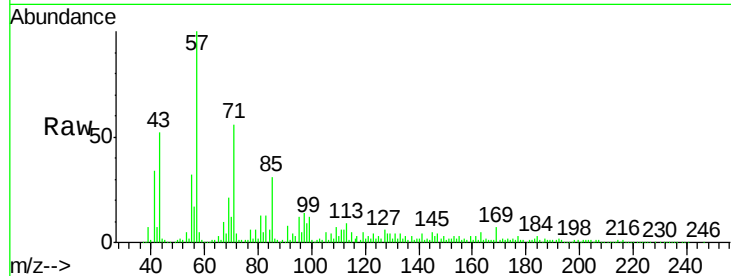




#65
 n-Nitrosodiphenylamine
 Concen: 2.50 ng
 RT: 10.37 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: BF092089.D
 Acq: 5 Jan 2017 1:04

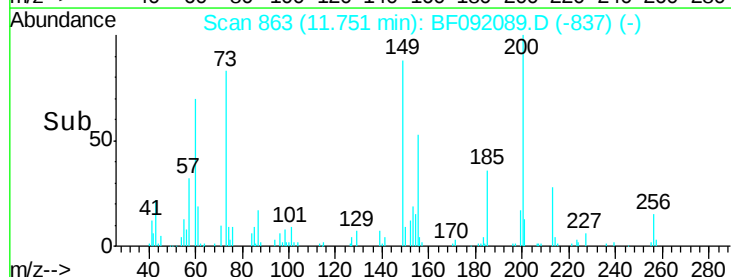
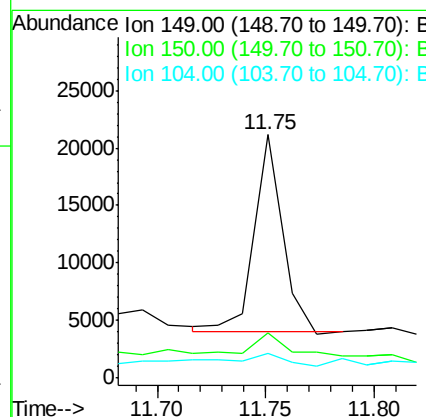
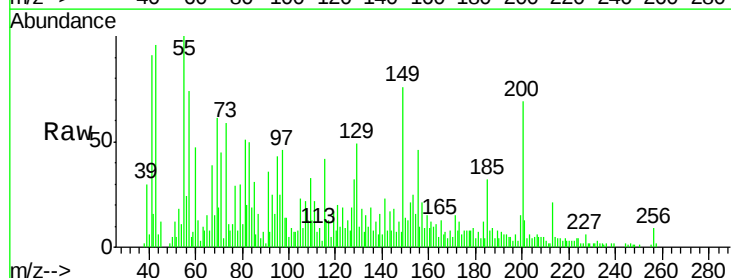
Instrument :
 BNA_F
 ClientSampleId :
 MW-35

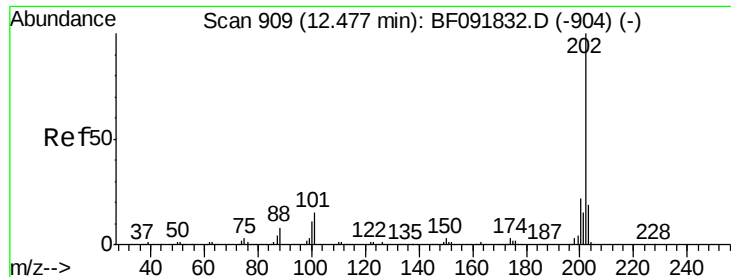
Tgt Ion:169 Resp: 49765
 Ion Ratio Lower Upper
 169 100
 168 17.9 54.2 81.2#
 167 15.1 30.2 45.4#



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.75 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: BF092089.D
 Acq: 5 Jan 2017 1:04

Tgt Ion:149 Resp: 15511
 Ion Ratio Lower Upper
 149 100
 150 18.4 8.1 12.1#
 104 9.9 4.6 7.0#

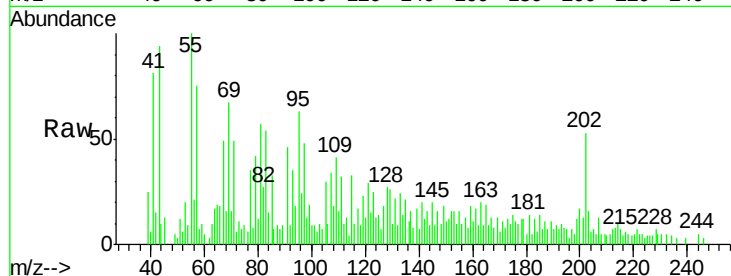




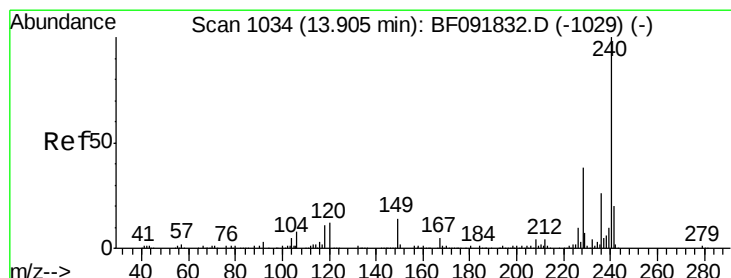
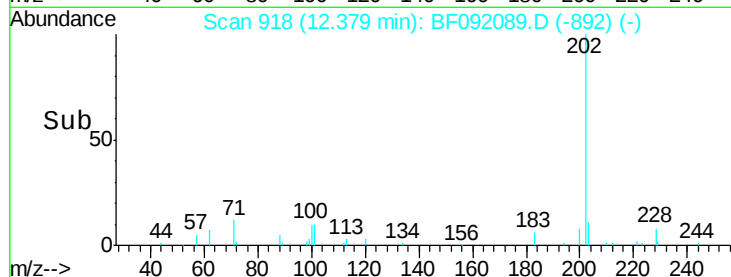
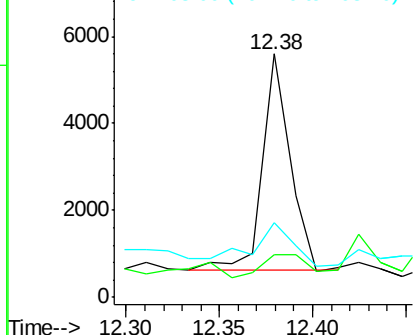
#74
Fluoranthene
Concen: Below Cal
RT: 12.38 min Scan# 918
Delta R.T. -0.00 min
Lab File: BF092089.D
Acq: 5 Jan 2017 1:04

Instrument :
BNA_F
ClientSampleId :
MW-35

Tgt Ion: 202 Resp: 5054
Ion Ratio Lower Upper
202 100
101 17.6 0.0 34.6
203 30.7 0.0 38.7

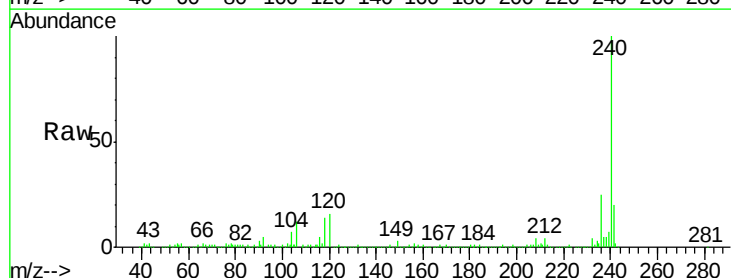


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

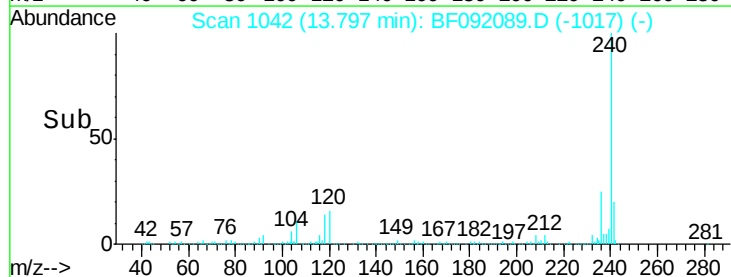
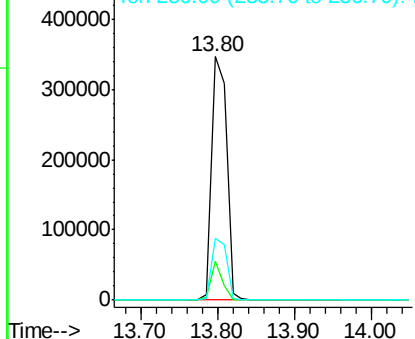


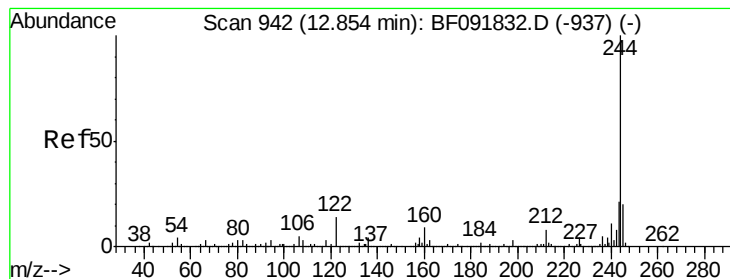
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF092089.D
Acq: 5 Jan 2017 1:04

Tgt Ion: 240 Resp: 467911
Ion Ratio Lower Upper
240 100
120 16.1 12.9 19.3
236 25.2 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: 48.10 ng

RT: 12.76 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092089.D

Acq: 5 Jan 2017 1:04

Instrument :

BNA_F

ClientSampled :

MW-35

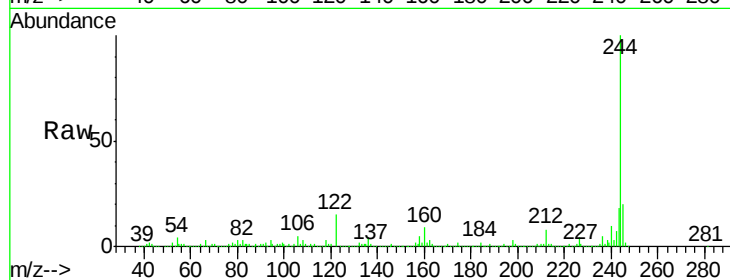
Tgt Ion:244 Resp: 928065

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

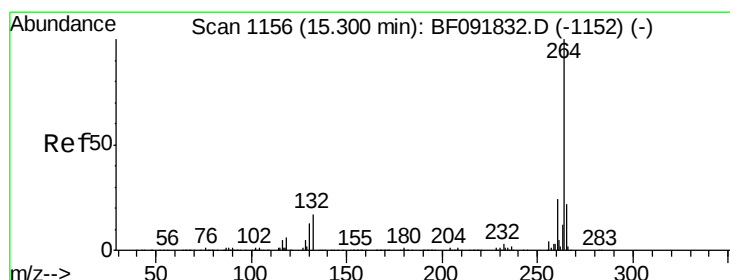
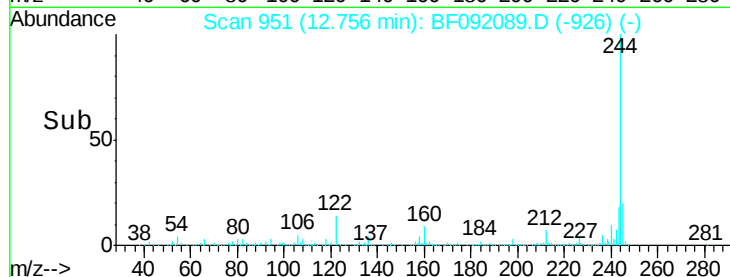
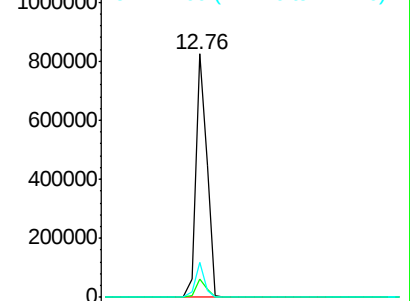
122 14.5 11.4 17.2



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: BF092089.D

Acq: 5 Jan 2017 1:04

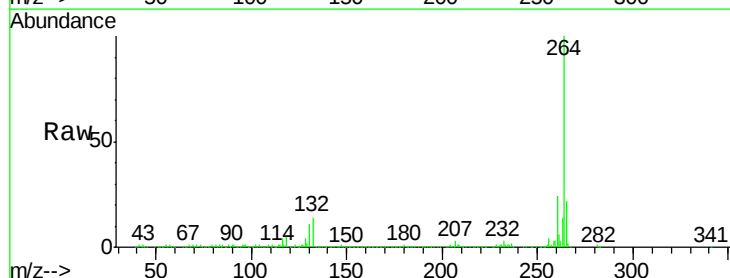
Tgt Ion:264 Resp: 384372

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.6 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

