

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090476.D
 Acq On : 8 Oct 2016 9:12
 Operator : UM/SJ
 Sample : H5134-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MJSB-15(6.5-8.5)

Quant Time: Oct 10 00:46:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	258518	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	1067323	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	497916	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	749406	20.00	ng	-0.01
75) Chrysene-d12	14.18	240	525520	20.00	ng	-0.02
86) Perylene-d12	15.70	264	482686	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1822347	105.21	ng	0.00
7) Phenol-d6	6.62	99	2388545	105.28	ng	0.00
23) Nitrobenzene-d5	7.55	82	1509046	68.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	629171	155.40	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2309876	77.29	ng	-0.01
78) Terphenyl-d14	13.13	244	1792789	76.70	ng	-0.01

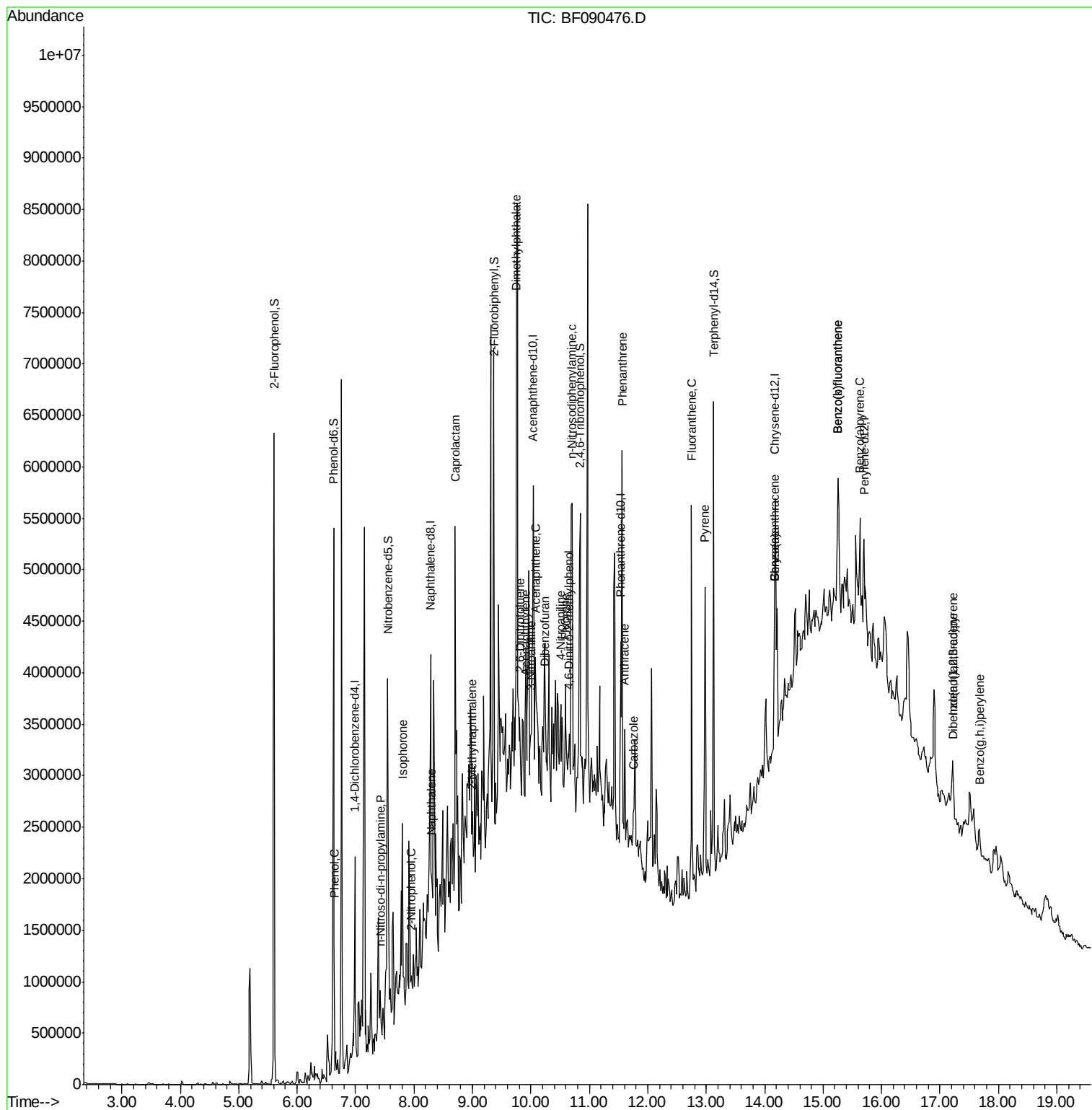
Target Compounds						Qvalue
10) Phenol	6.63	94	60214	2.28	ng	88
19) n-Nitroso-di-n-propylamine	7.42	70	37368	2.25	ng	# 53
25) Isophorone	7.80	82	104050	2.59	ng	# 1
26) 2-Nitrophenol	7.95	139	30161	3.22	ng	# 21
31) Naphthalene	8.30	128	165223	3.21	ng	98
35) Caprolactam	8.70	113	121771	26.13	ng	# 58
37) 2-Methylnaphthalene	8.99	142	151620	4.86	ng	98
48) Acenaphthylene	9.90	152	94221	2.09	ng	# 80
49) Dimethylphthalate	9.75	163	1236358	38.77	ng	# 96
50) 2,6-Dinitrotoluene	9.81	165	29649	4.19	ng	# 45
51) Acenaphthene	10.07	154	128641	4.59	ng	94
52) 3-Nitroaniline	9.99	138	22795	2.76	ng	# 18
54) Dibenzofuran	10.25	168	108478	2.99	ng	# 88
57) Fluorene	10.59	166	147118	4.82	ng	# 95
61) 4-Nitroaniline	10.51	138	18657	2.24	ng	84
64) 4,6-Dinitro-2-methylphenol	10.66	198	1025	5.62	ng	# 1
65) n-Nitrosodiphenylamine	10.70	169	110083	4.38	ng	# 62
70) Phenanthrene	11.56	178	1448016	37.73	ng	98
71) Anthracene	11.61	178	440363	11.24	ng	96
72) Carbazole	11.75	167	105634	2.90	ng	# 88
74) Fluoranthene	12.75	202	1418929	37.70	ng	98
77) Pyrene	12.98	202	1354242	38.65	ng	98
80) Benzo(a)anthracene	14.17	228	747150	25.34	ng	98
82) Chrysene	14.17	228	747150	27.53	ng	96
85) Indeno(1,2,3-cd)pyrene	17.22	276	269913	13.95	ng	97
87) Benzo(b)fluoranthene	15.25	252	1030888	33.53	ng	# 86
88) Benzo(k)fluoranthene	15.25	252	1032170	35.74	ng	# 90
89) Benzo(a)pyrene	15.63	252	592370	22.35	ng	# 87
90) Dibenzo(a,h)anthracene	17.23	278	71925	3.19	ng	# 52
91) Benzo(g,h,i)perylene	17.68	276	225698	10.43	ng	# 92

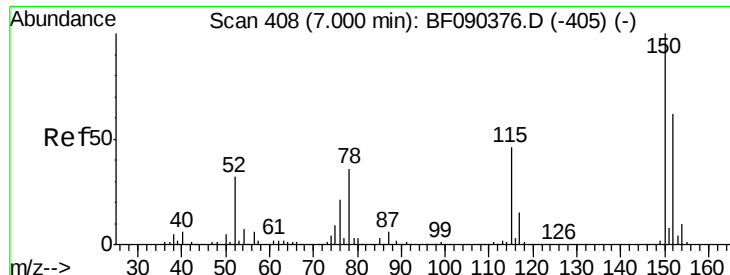
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MJSB-15(6.5-8.5)

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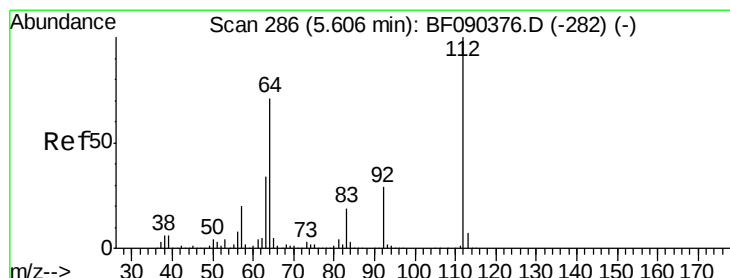
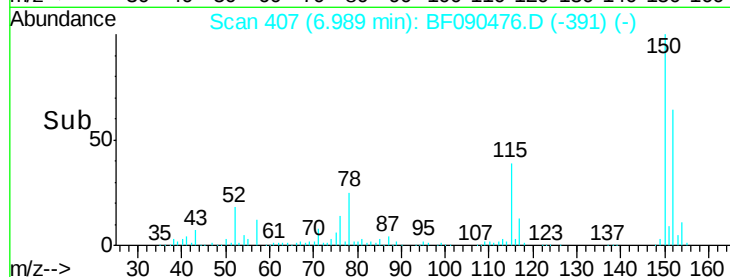
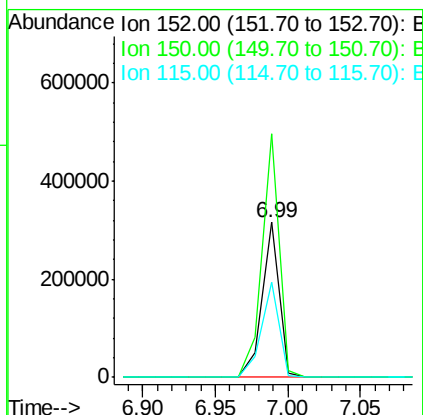
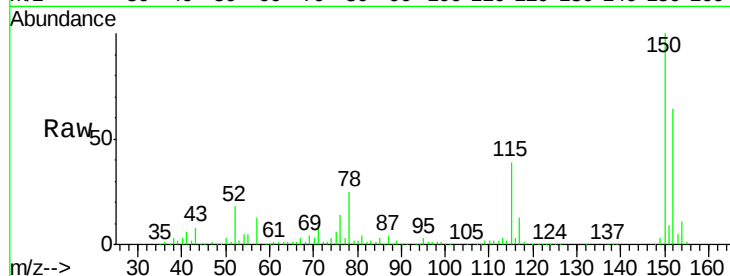




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.99 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

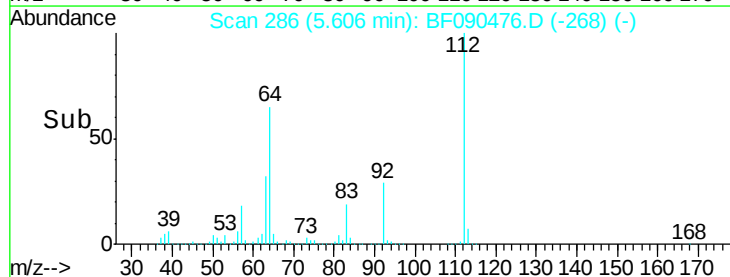
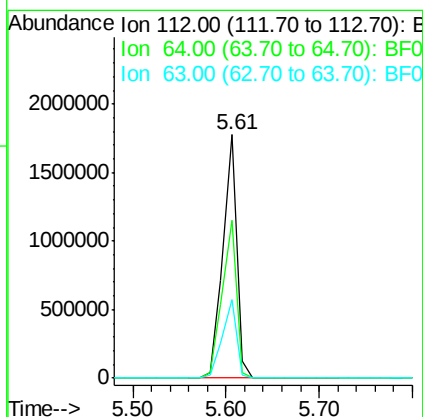
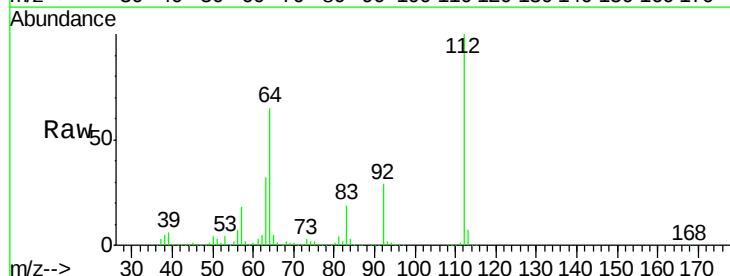
Instrument :
 BNA_F
 ClientSampleId :
 MJSB-15(6.5-8.5)

Tgt Ion:152 Resp: 258518
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.6 186.8
 115 61.7 46.2 69.4



#5
 2-Fluorophenol
 Concen: 105.21 ng
 RT: 5.61 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

Tgt Ion:112 Resp: 1822347
 Ion Ratio Lower Upper
 112 100
 64 65.1 57.9 86.9
 63 32.0 29.6 44.4





#7

Phenol-d6

Concen: 105.28 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MJSB-15(6.5-8.5)

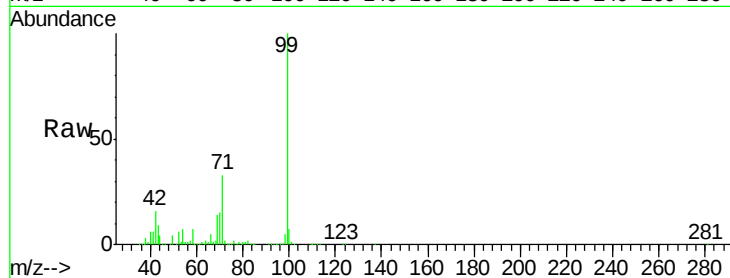
Tgt Ion: 99 Resp: 2388545

Ion Ratio Lower Upper

99 100

42 16.4 20.0 30.0#

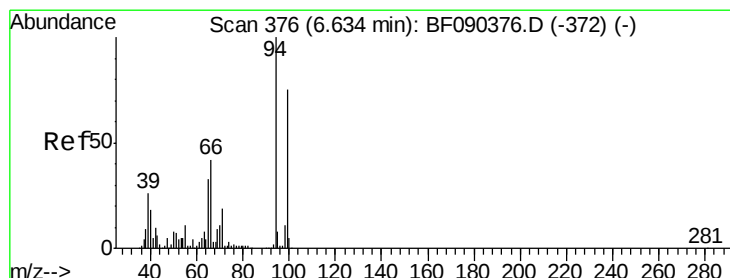
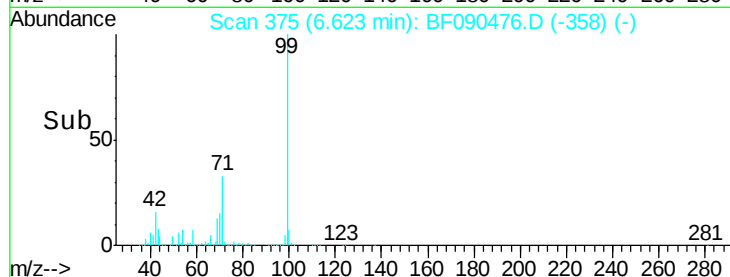
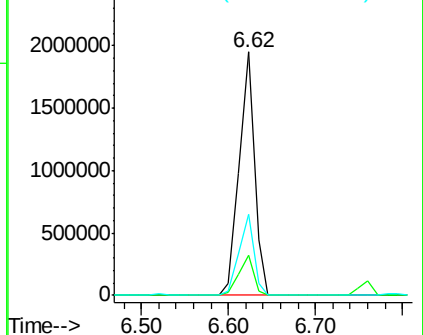
71 33.3 27.9 41.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.28 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

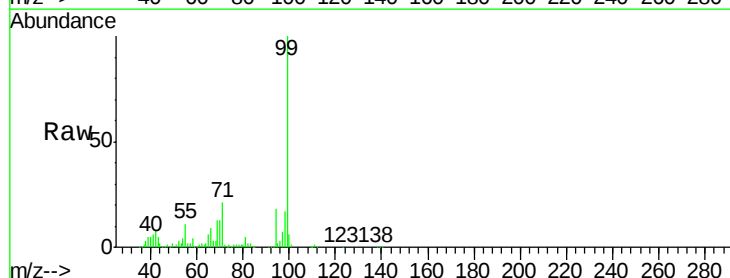
Tgt Ion: 94 Resp: 60214

Ion Ratio Lower Upper

94 100

65 33.9 13.3 53.3

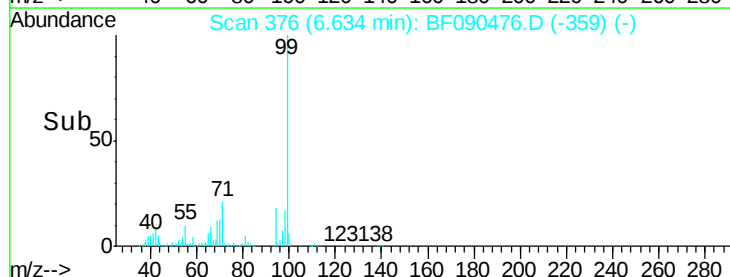
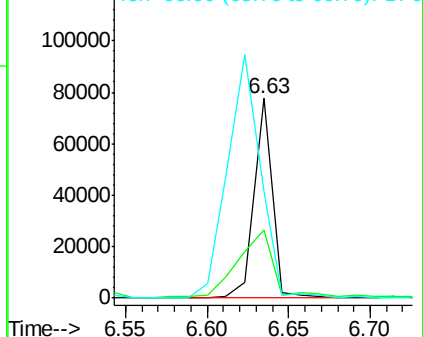
66 53.5 20.4 60.4

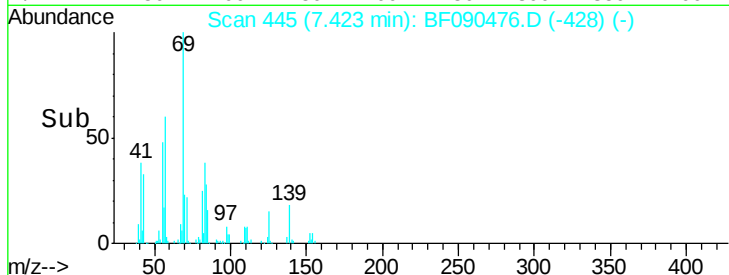
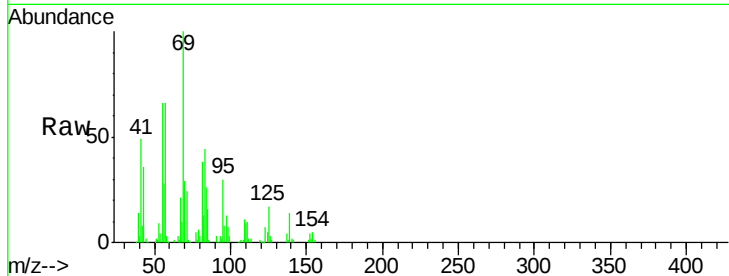
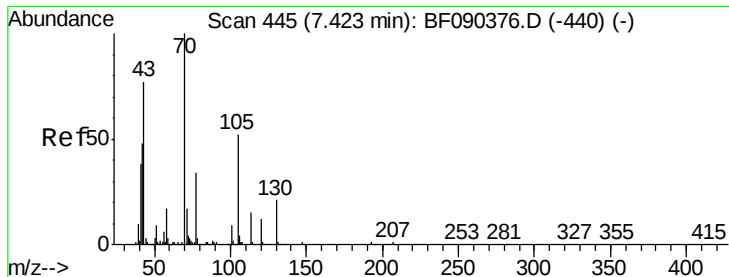


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

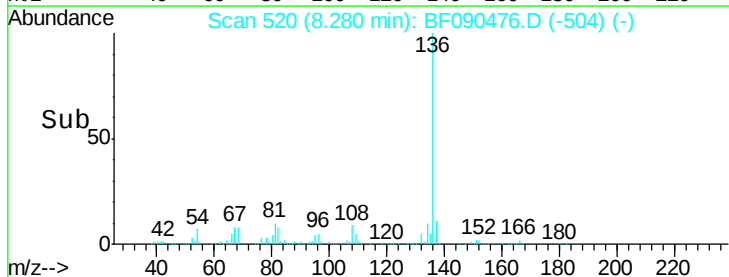
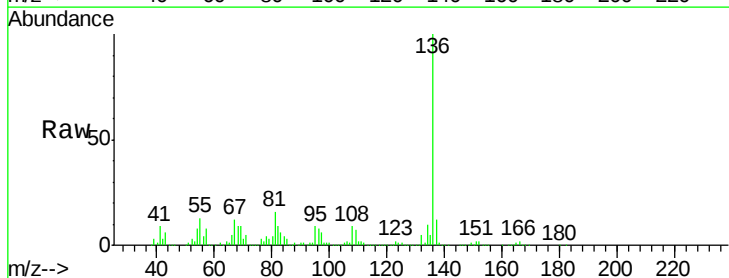
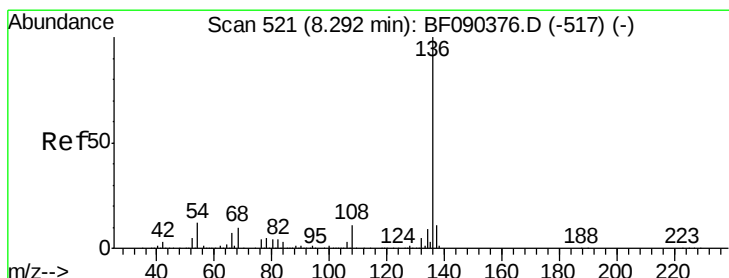
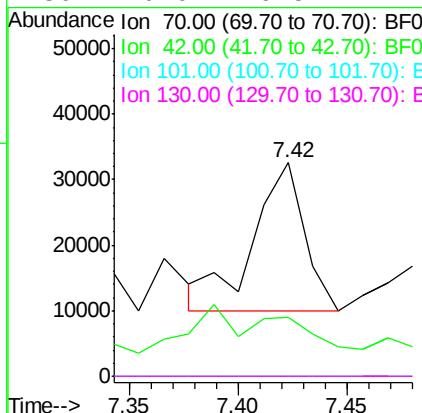




#19
n-Nitroso-di-n-propylamine
Concen: 2.25 ng
RT: 7.42 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

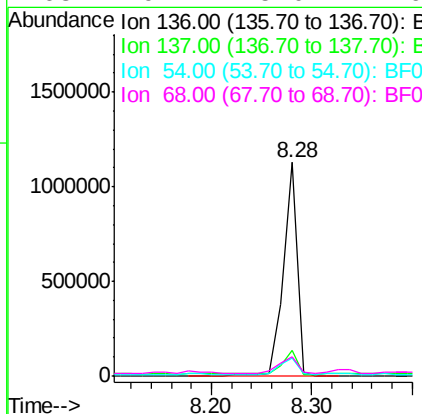
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MJSB-15(6.5-8.5)

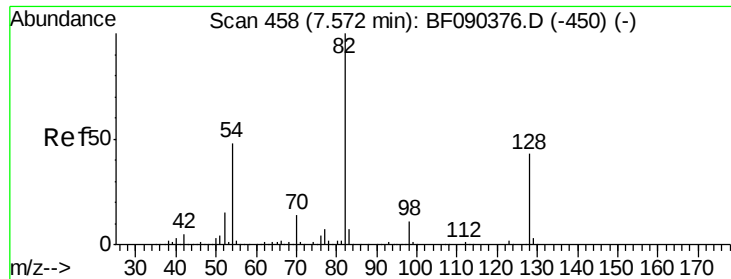
Tgt Ion:	70	Resp:	37368
Ion	Ratio	Lower	Upper
70	100		
42	27.6	55.4	83.2#
101	0.0	7.6	11.4#
130	0.0	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

Tgt Ion:	136	Resp:	1067323
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	8.3	6.6	10.0
68	9.1	5.0	7.6#

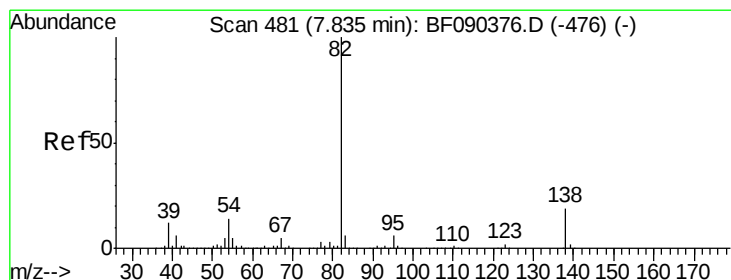
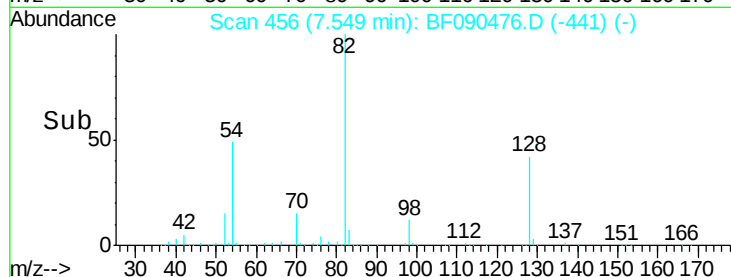
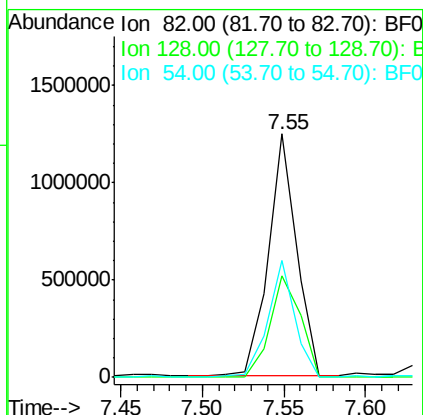
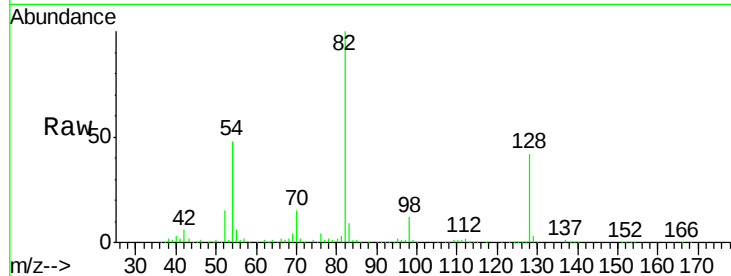




#23
 Nitrobenzene-d5
 Concen: 68.77 ng
 RT: 7.55 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

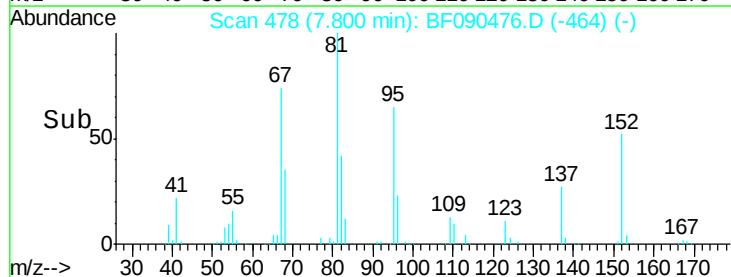
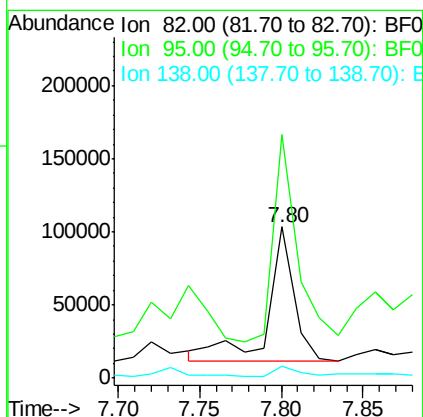
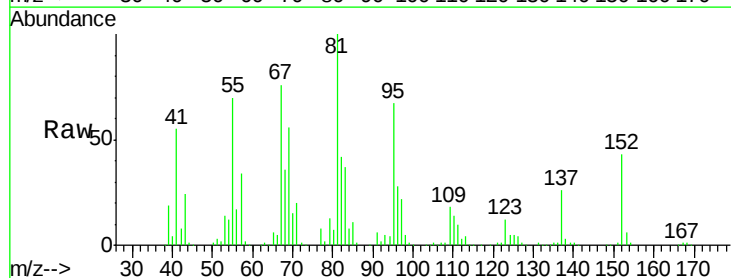
Instrument :
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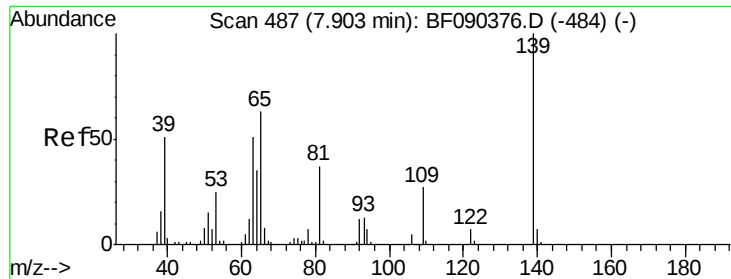
Tgt Ion: 82 Resp: 1509046
 Ion Ratio Lower Upper
 82 100
 128 41.6 40.0 60.0
 54 48.2 42.6 64.0



#25
 Isophorone
 Concen: 2.59 ng
 RT: 7.80 min Scan# 478
 Delta R.T. -0.03 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

Tgt Ion: 82 Resp: 104050
 Ion Ratio Lower Upper
 82 100
 95 161.2 5.2 7.8#
 138 8.3 13.0 19.4#

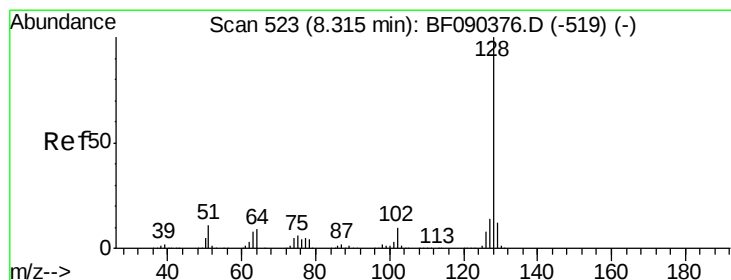
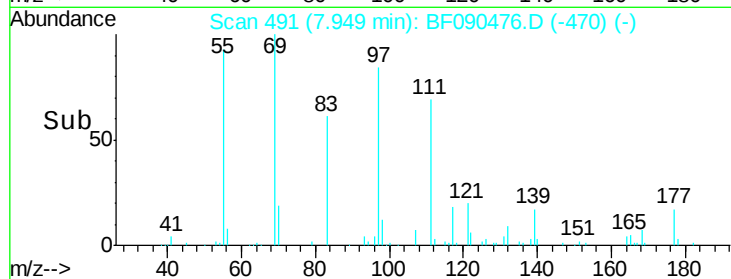
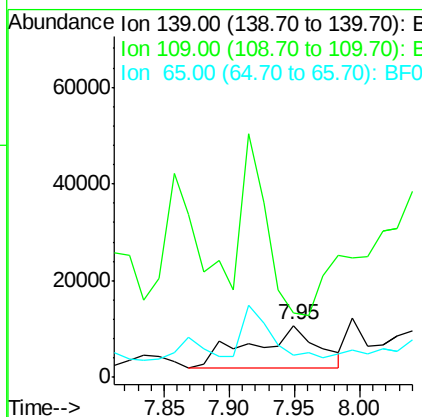
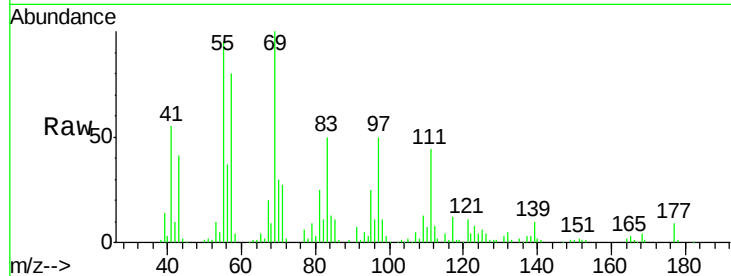




#26
 2-Nitrophenol
 Concen: 3.22 ng
 RT: 7.95 min Scan# 491
 Delta R.T. 0.05 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

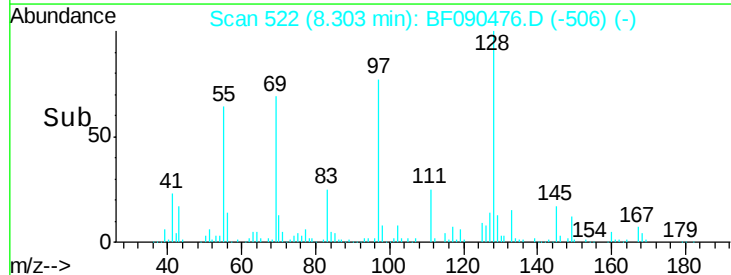
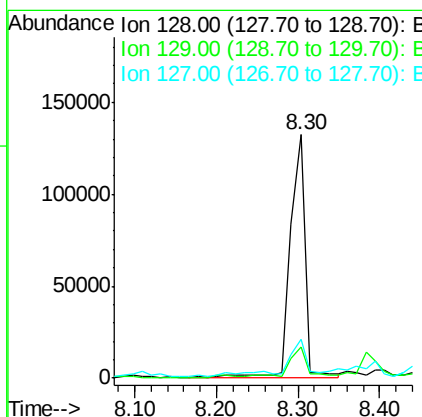
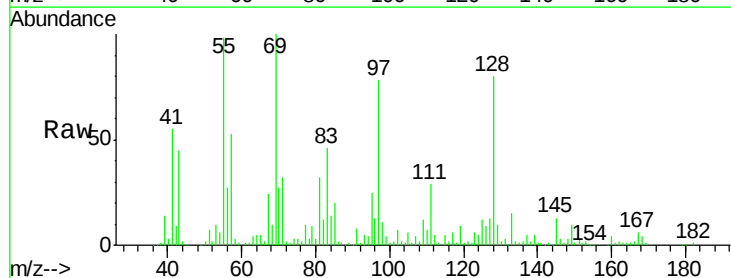
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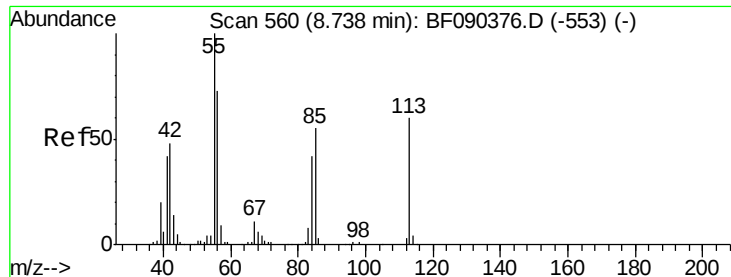
Tgt Ion:139 Resp: 30161
 Ion Ratio Lower Upper
 139 100
 109 122.8 18.9 28.3#
 65 43.0 31.6 47.4



#31
 Naphthalene
 Concen: 3.21 ng
 RT: 8.30 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

Tgt Ion:128 Resp: 165223
 Ion Ratio Lower Upper
 128 100
 129 12.8 9.7 14.5
 127 15.7 11.7 17.5

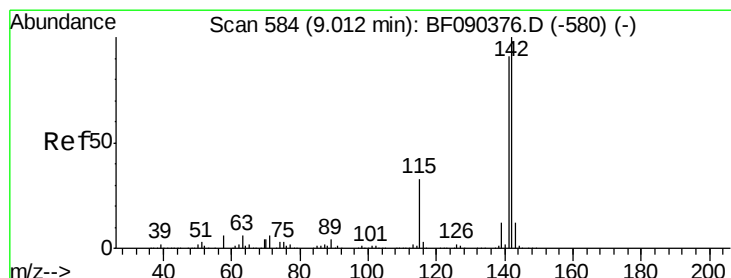
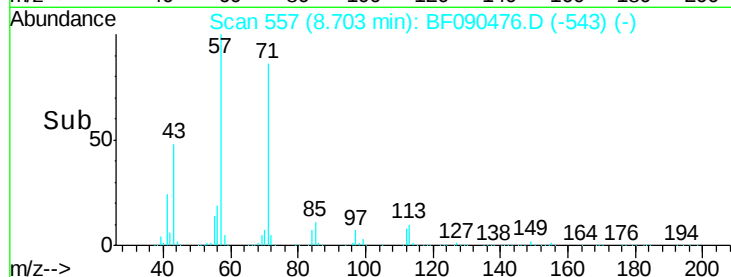
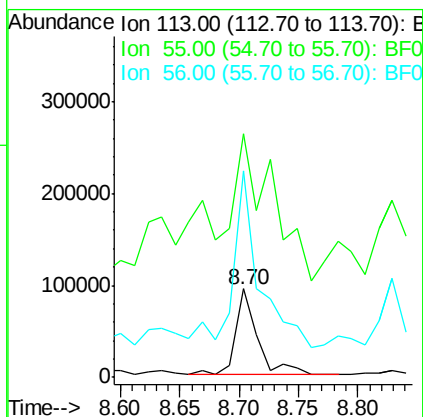
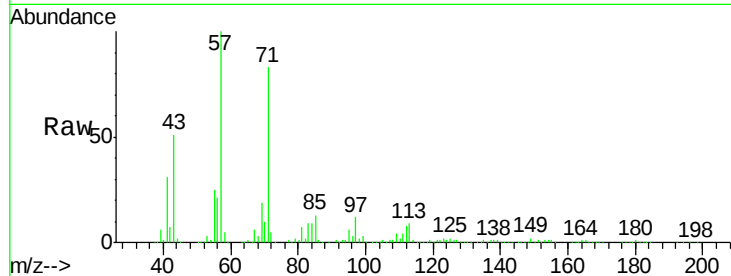




#35
 Caprolactam
 Concen: 26.13 ng
 RT: 8.70 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

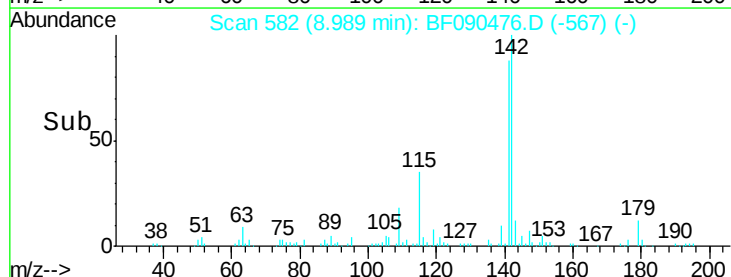
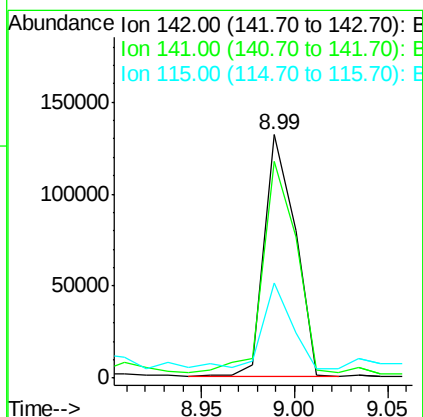
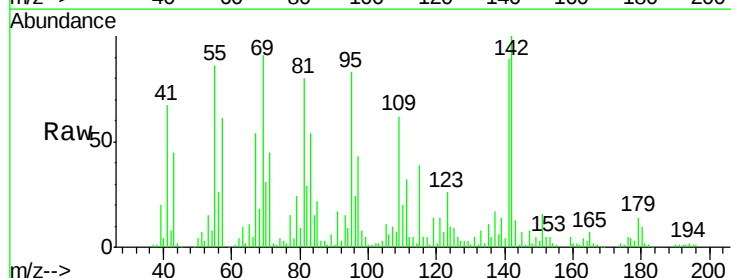
Instrument :
 BNA_F
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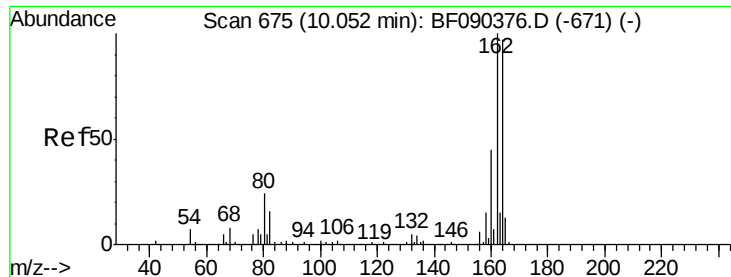
Tgt Ion:113 Resp: 121771
 Ion Ratio Lower Upper
 113 100
 55 275.2 203.3 243.3#
 56 233.0 140.5 180.5#



#37
 2-Methylnaphthalene
 Concen: 4.86 ng
 RT: 8.99 min Scan# 582
 Delta R.T. -0.02 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

Tgt Ion:142 Resp: 151620
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.8 107.8
 115 39.0 28.8 43.2

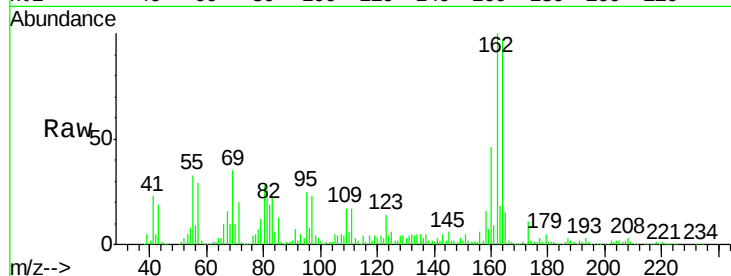




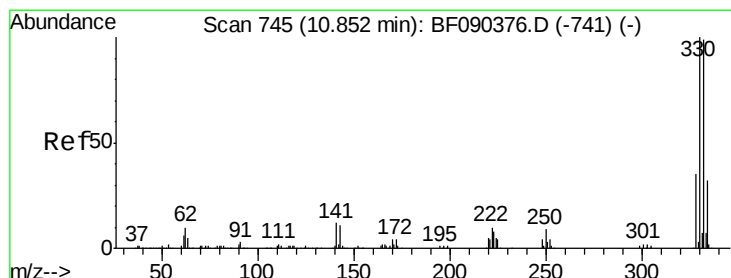
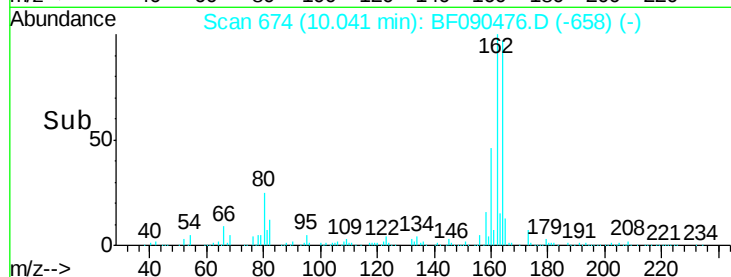
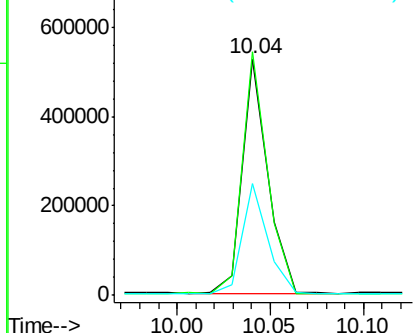
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

Instrument :
BNA_F
ClientSampleId :
MJSB-15(6.5-8.5)

Tgt Ion:164 Resp: 497916
Ion Ratio Lower Upper
164 100
162 103.2 80.1 120.1
160 47.3 36.3 54.5

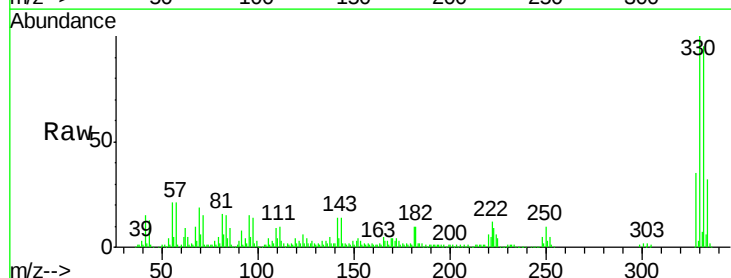


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

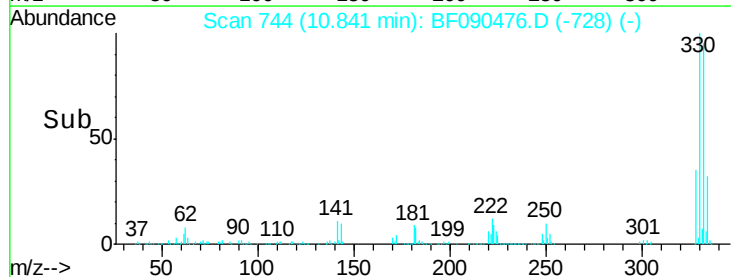
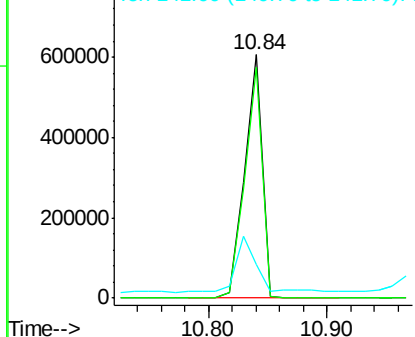


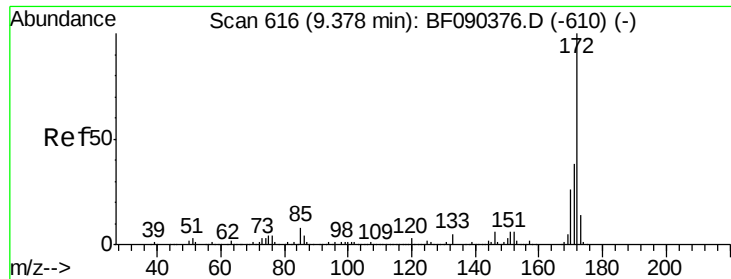
#41
2,4,6-Tribromophenol
Concen: 155.40 ng
RT: 10.84 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

Tgt Ion:330 Resp: 629171
Ion Ratio Lower Upper
330 100
332 94.9 75.4 113.0
141 29.7 26.9 40.3



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

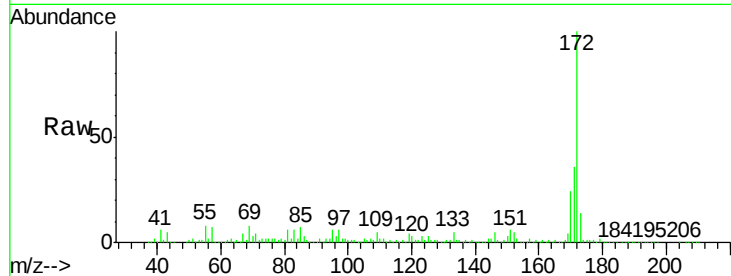




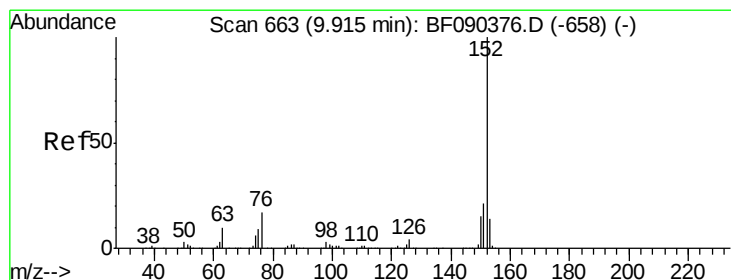
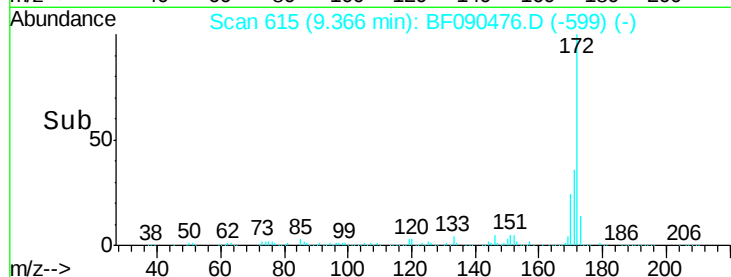
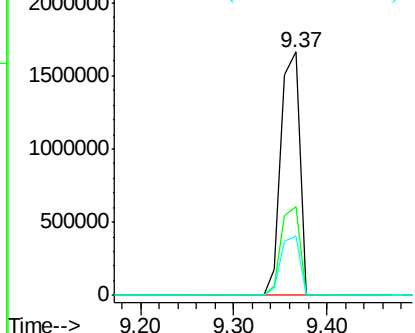
#44
 2-Fluorobiphenyl
 Concen: 77.29 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

Instrument :
 BNA_F
 ClientSampleId :
 MJSB-15(6.5-8.5)

Tgt Ion:172 Resp: 2309876
 Ion Ratio Lower Upper
 172 100
 171 36.2 31.8 47.8
 170 24.2 21.7 32.5

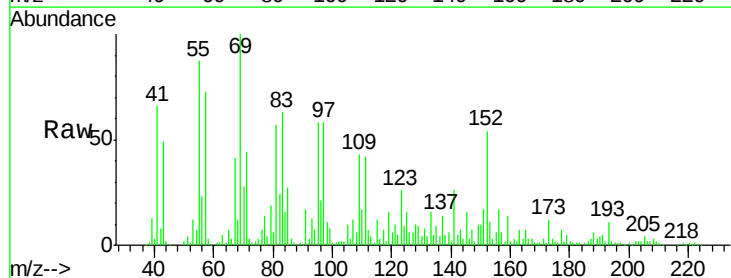


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

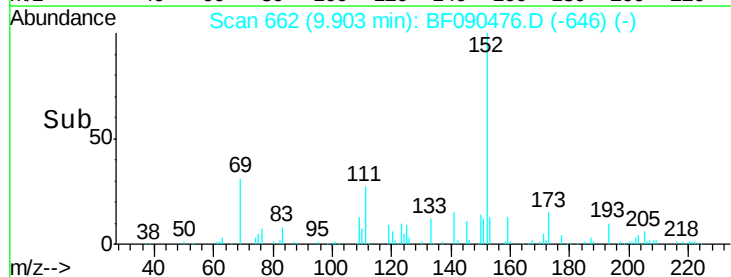
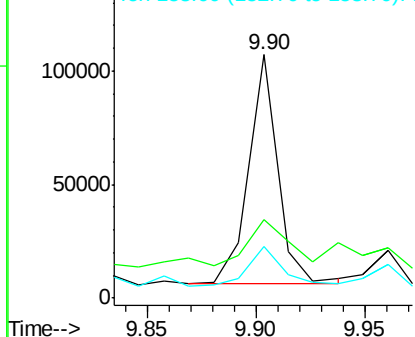


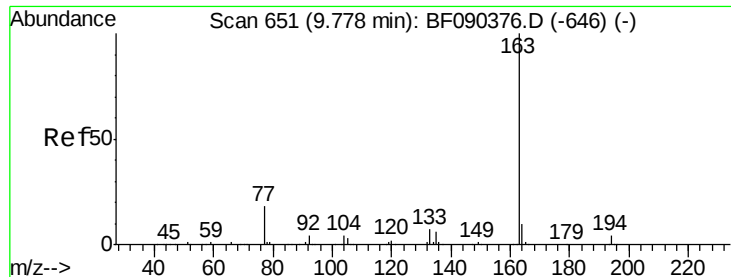
#48
 Acenaphthylene
 Concen: 2.09 ng
 RT: 9.90 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF090476.D
 Acq: 8 Oct 2016 9:12

Tgt Ion:152 Resp: 94221
 Ion Ratio Lower Upper
 152 100
 151 32.3 17.4 26.0#
 153 21.1 11.6 17.4#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

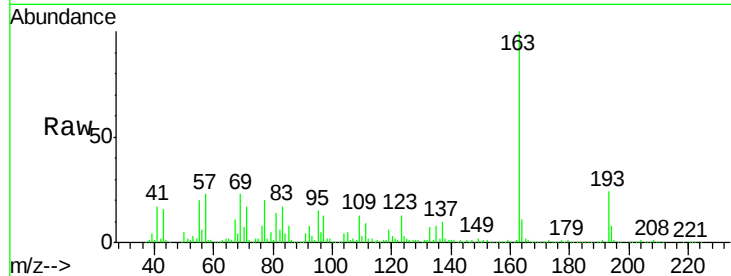




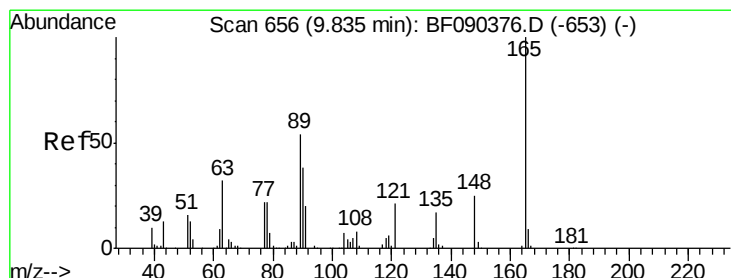
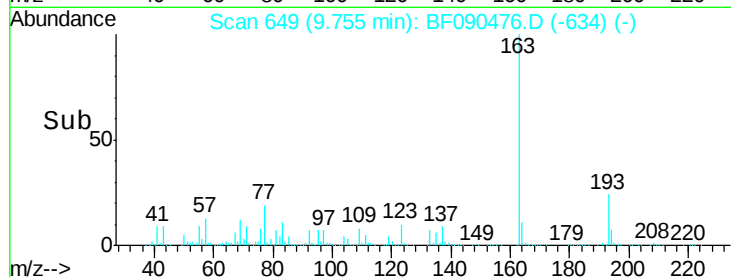
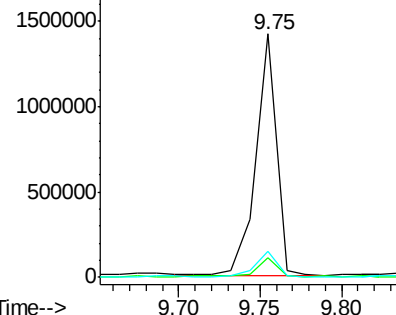
#49
Dimethylphthalate
Concen: 38.77 ng
RT: 9.75 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

Instrument :
BNA_F
ClientSampleId :
MJSB-15(6.5-8.5)

Tgt Ion:163 Resp: 1236358
Ion Ratio Lower Upper
163 100
194 7.8 2.8 4.2#
164 10.8 9.0 13.4

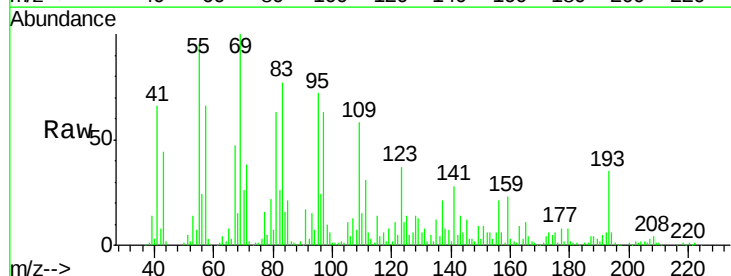


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

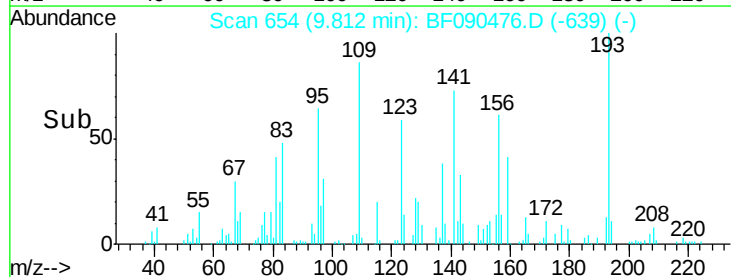
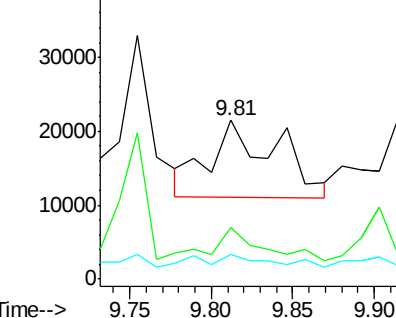


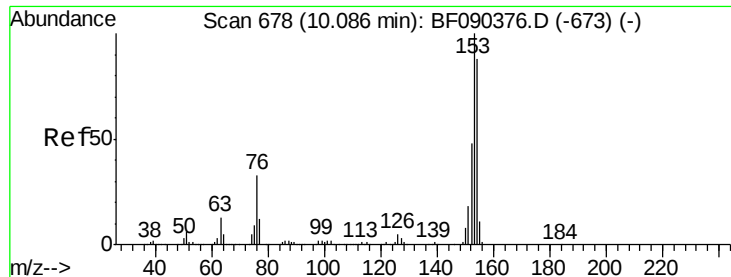
#50
2,6-Dinitrotoluene
Concen: 4.19 ng
RT: 9.81 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

Tgt Ion:165 Resp: 29649
Ion Ratio Lower Upper
165 100
63 32.2 58.0 87.0#
89 15.6 51.2 76.8#



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: 4.59 ng

RT: 10.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MJSB-15(6.5-8.5)

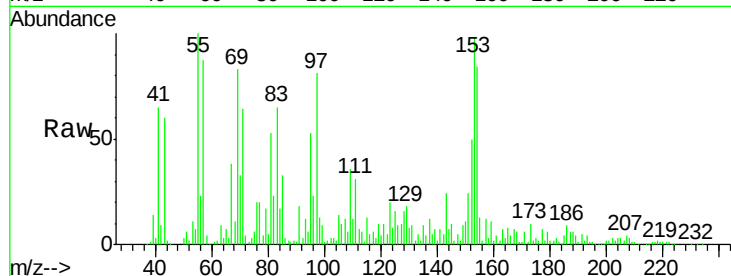
Tgt Ion:154 Resp: 128641

Ion Ratio Lower Upper

154 100

153 116.9 88.6 133.0

152 58.8 42.6 64.0

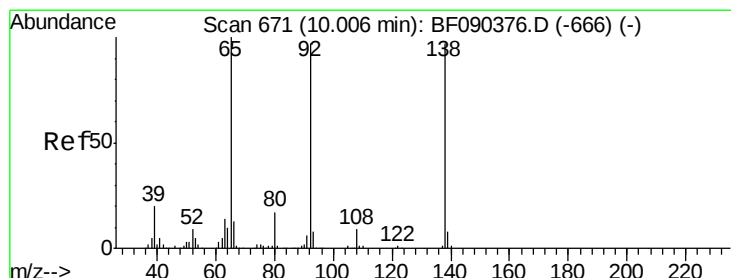
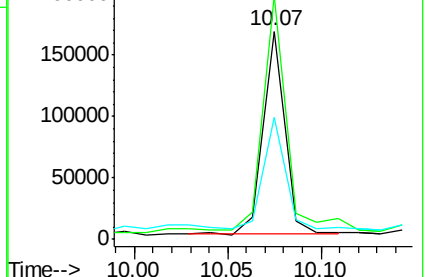
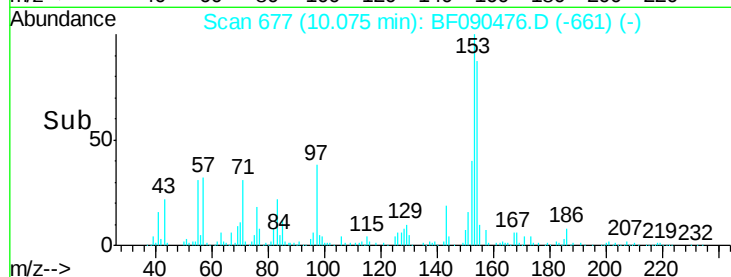


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



#52

3-Nitroaniline

Concen: 2.76 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

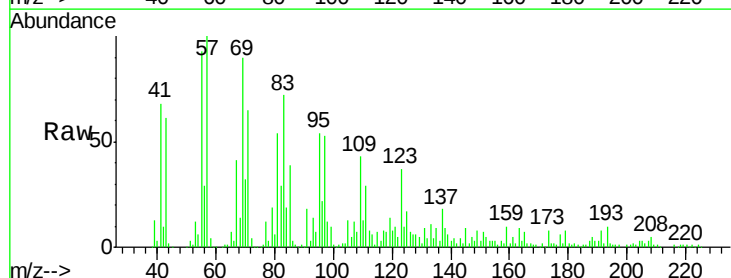
Tgt Ion:138 Resp: 22795

Ion Ratio Lower Upper

138 100

108 75.6 9.7 14.5#

92 39.2 97.1 145.7#

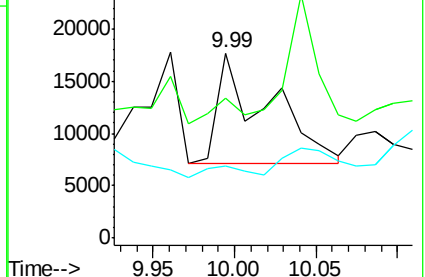
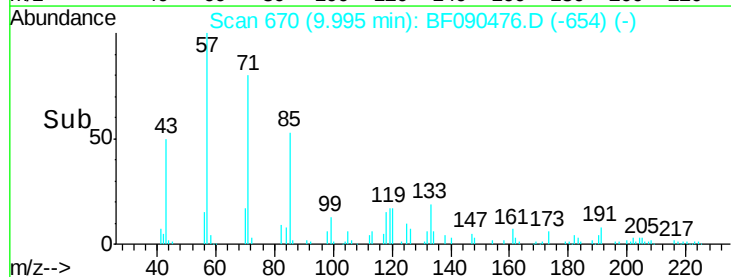


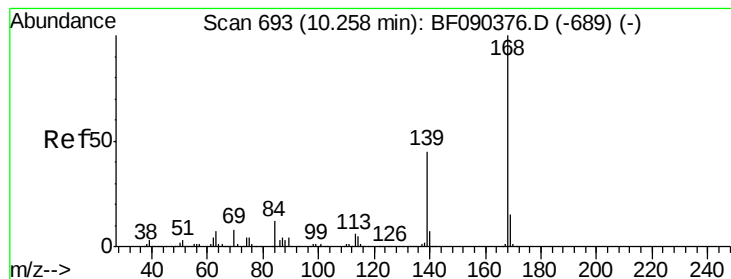
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

Time-->





#54

Dibenzofuran

Concen: 2.99 ng

RT: 10.25 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MJSB-15(6.5-8.5)

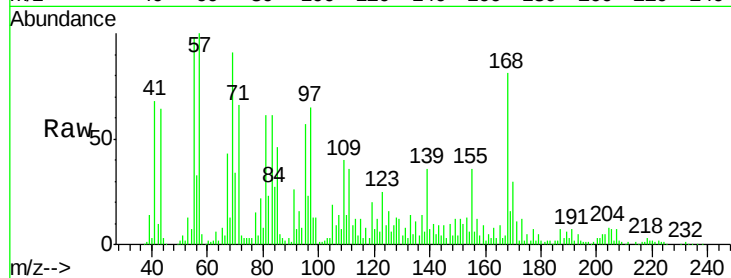
Tgt Ion:168 Resp: 108478

Ion Ratio Lower Upper

168 100

139 44.0 29.6 44.4

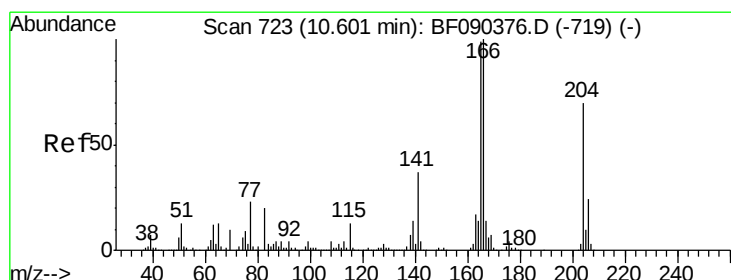
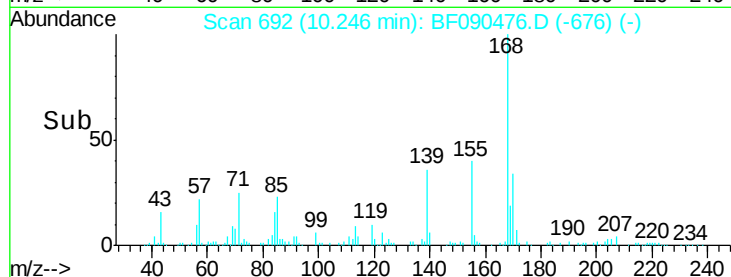
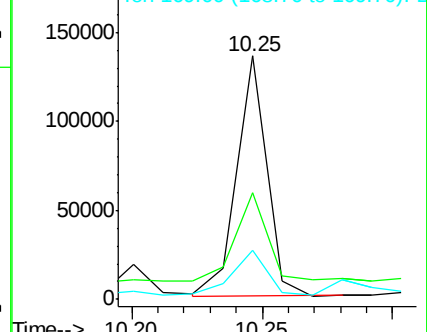
169 19.9 11.3 16.9#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 4.82 ng

RT: 10.59 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

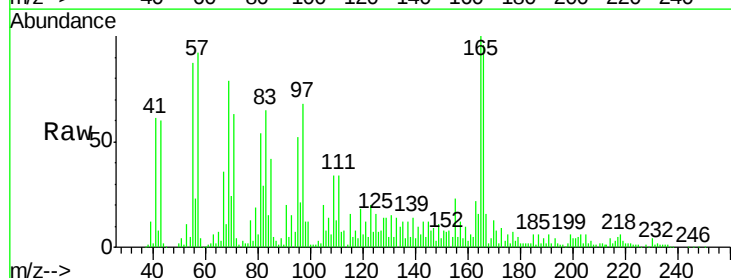
Tgt Ion:166 Resp: 147118

Ion Ratio Lower Upper

166 100

165 103.9 79.2 118.8

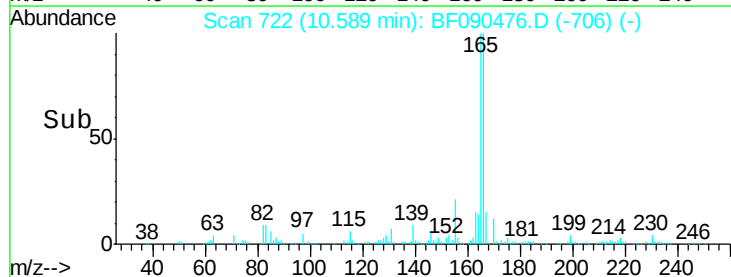
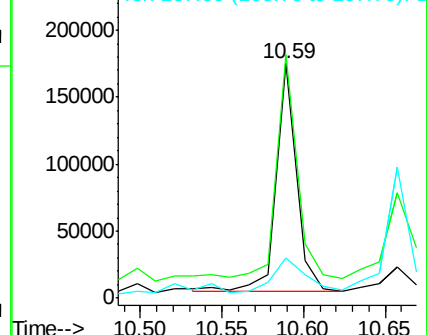
167 17.1 11.1 16.7#

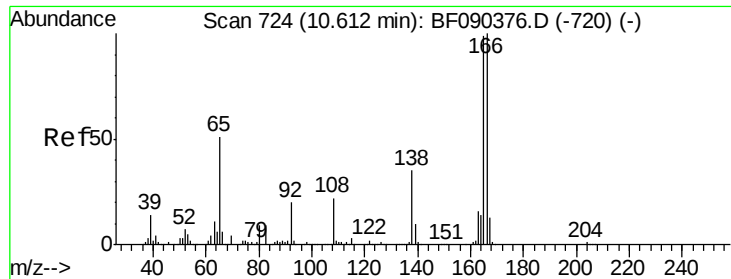


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 2.24 ng

RT: 10.51 min Scan# 715

Delta R.T. -0.10 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MJSB-15(6.5-8.5)

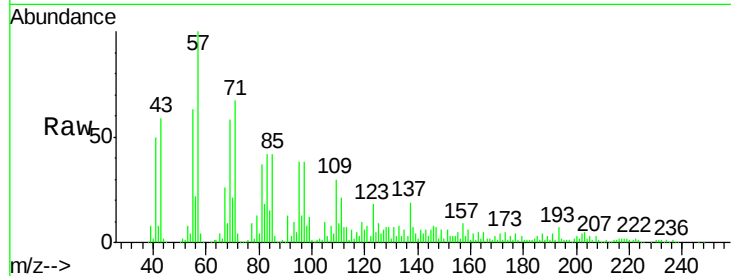
Tgt Ion:138 Resp: 18657

Ion Ratio Lower Upper

138 100

92 35.1 33.2 73.2

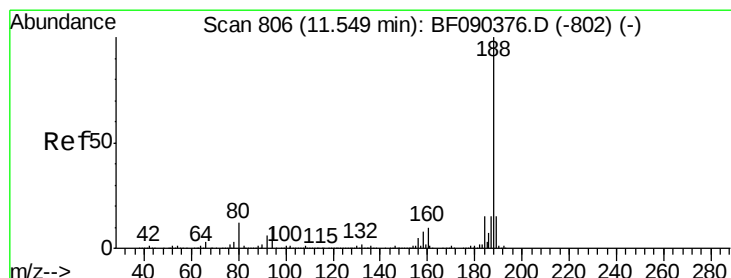
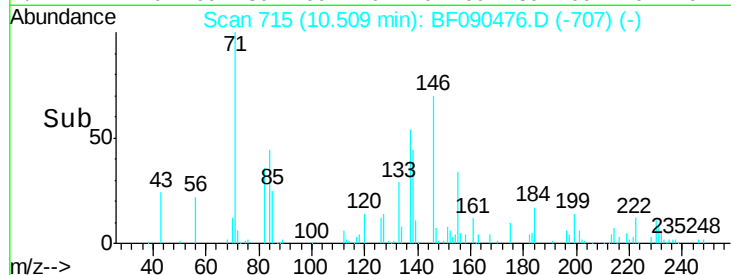
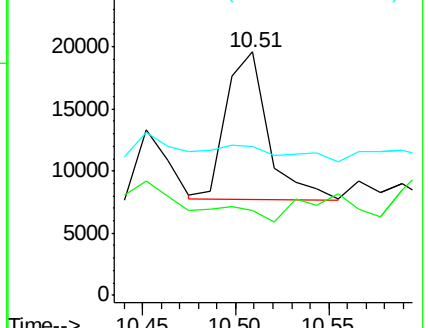
108 61.4 48.5 88.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.54 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

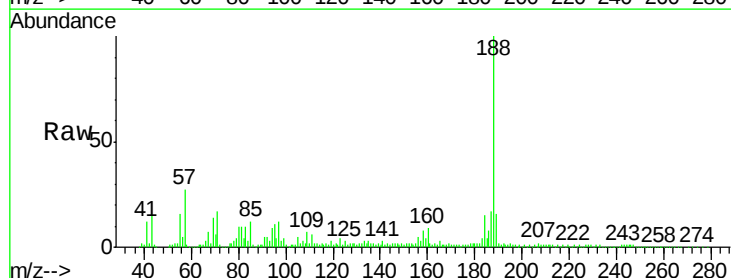
Tgt Ion:188 Resp: 749406

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

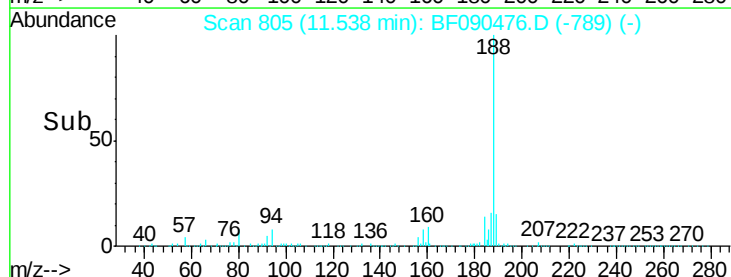
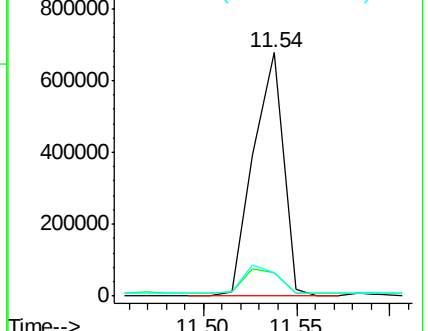
80 9.7 8.8 13.2

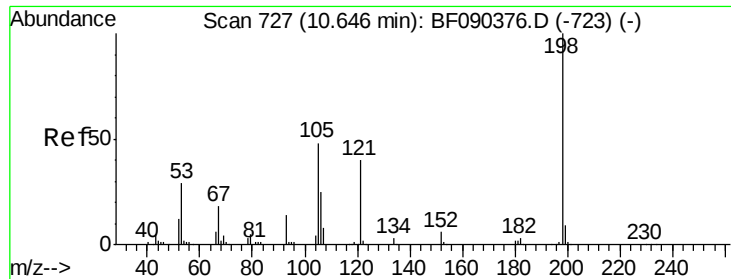


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.62 ng

RT: 10.66 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

Instrument :

BNA_F

ClientSampleId :

MJSB-15(6.5-8.5)

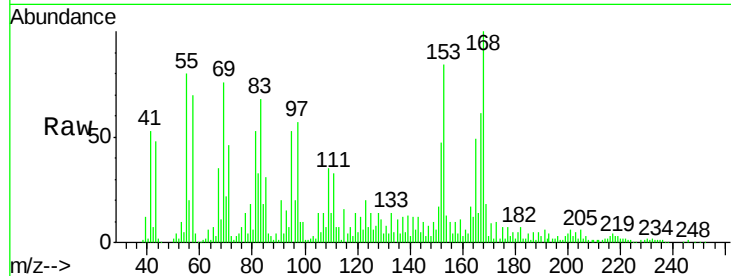
Tgt Ion:198 Resp: 1025

Ion Ratio Lower Upper

198 100

51 397.0 67.3 107.3#

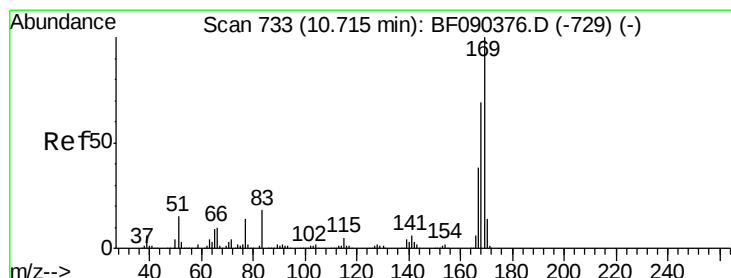
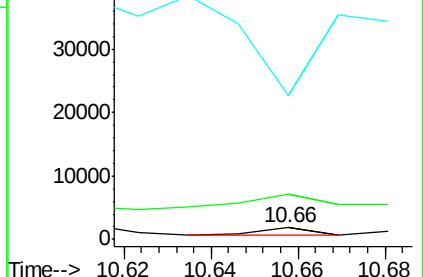
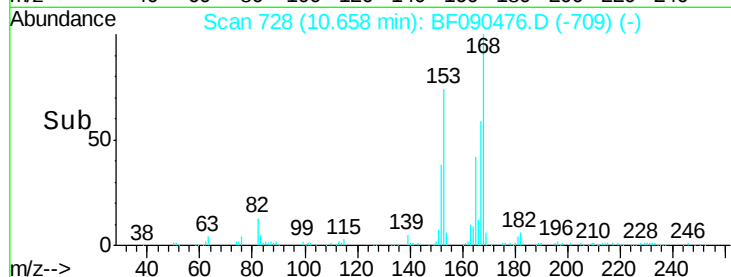
105 1262.8 42.6 82.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 4.38 ng

RT: 10.70 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF090476.D

Acq: 8 Oct 2016 9:12

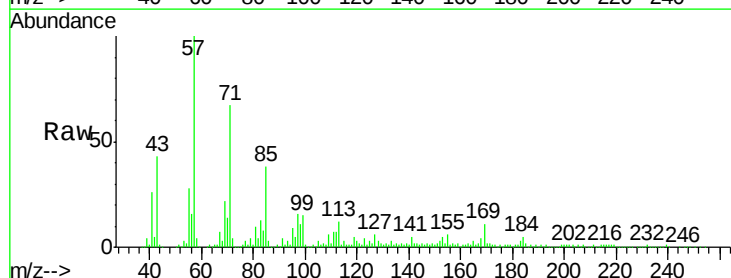
Tgt Ion:169 Resp: 110083

Ion Ratio Lower Upper

169 100

168 35.0 53.8 80.6#

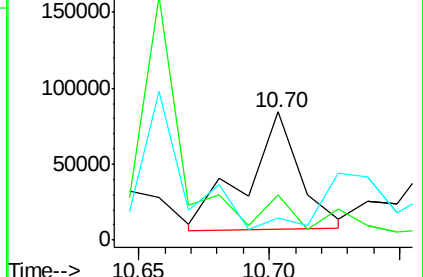
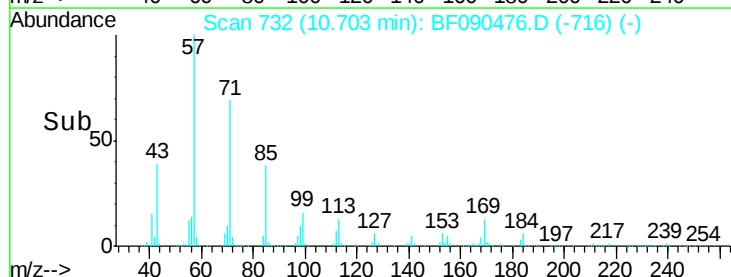
167 17.6 29.8 44.8#

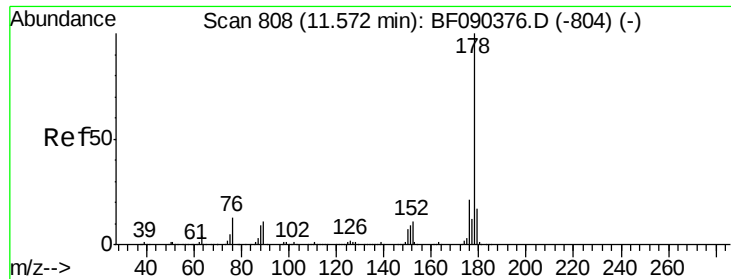


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

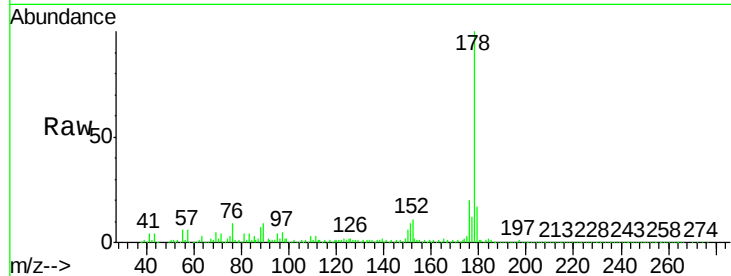




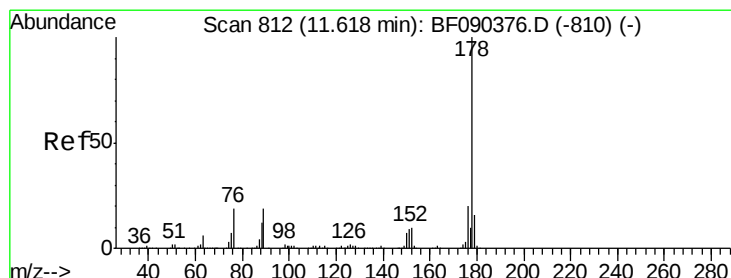
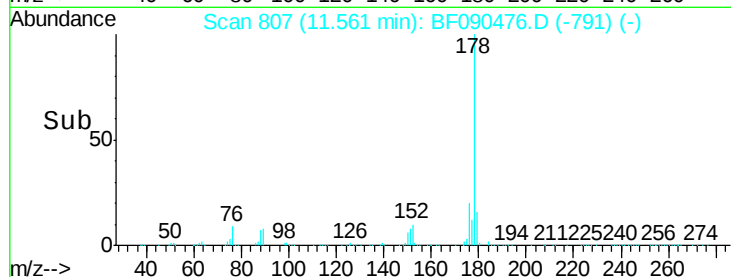
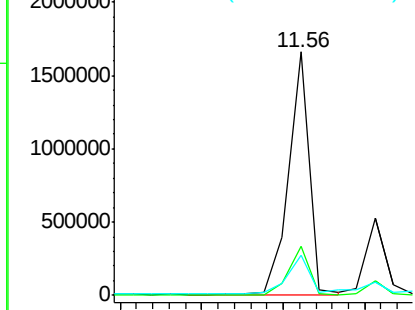
#70
Phenanthrene
Concen: 37.73 ng
RT: 11.56 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

Instrument :
BNA_F
ClientSampleId :
MJSB-15(6.5-8.5)

Tgt Ion:178 Resp: 1448016
Ion Ratio Lower Upper
178 100
176 20.3 17.3 25.9
179 16.6 13.8 20.6

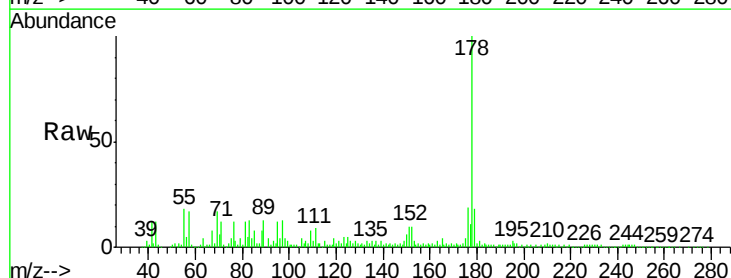


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 11.24 ng
RT: 11.61 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF090476.D
Acq: 8 Oct 2016 9:12

Tgt Ion:178 Resp: 440363
Ion Ratio Lower Upper
178 100
176 19.0 16.8 25.2
179 17.9 13.4 20.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

