

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
 Data File : BF086722.D
 Acq On : 5 May 2016 23:12
 Operator : UM/SJ
 Sample : H2762-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Quant Time: May 06 01:17:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	164624	40.00	ng	-0.01
21) Naphthalene-d8	8.03	136	495053	40.00	ng	0.00
38) Acenaphthene-d10	9.77	164	265042	40.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	358699	40.00	ng	0.00
75) Chrysene-d12	13.89	240	271961	40.00	ng	0.01
86) Perylene-d12	15.28	264	292044	40.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1301842	130.92	ng	0.00
7) Phenol-d6	6.38	99	1857251	138.65	ng	0.01
23) Nitrobenzene-d5	7.30	82	1071394	111.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	301586	116.32	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1406468	86.99	ng	-0.01
78) Terphenyl-d14	12.84	244	946013	70.30	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.28	77	18439	2.76	ng	# 1
15) Benzyl Alcohol	6.89	79	22403	2.59	ng	# 40
18) Hexachloroethane	7.28	117	67216	13.59	ng	# 1
19) n-Nitroso-di-n-propylamine	7.30	70	155632	17.00	ng	# 75
31) Naphthalene	8.08	128	11947797	472.39	ng	# 92
32) Benzoic acid	7.80	122	3321	9.32	ng	# 1
33) 4-Chloroaniline	8.08	127	1928579	196.82	ng	# 39
37) 2-Methylnaphthalene	8.75	142	4337843	290.70	ng	# 95
45) 1,1'-Biphenyl	9.20	154	1305217	60.23	ng	# 95
47) 2-Nitroaniline	9.29	65	15597	2.62	ng	# 21
48) Acenaphthylene	9.64	152	2878272	115.95	ng	# 95
49) Dimethylphthalate	9.49	163	221971	11.23	ng	# 98
50) 2,6-Dinitrotoluene	9.47	165	25909	6.11	ng	# 80
51) Acenaphthene	9.81	154	1426396	87.11	ng	# 97
53) 2,4-Dinitrophenol	9.82	184	753	9.54	ng	# 1
54) Dibenzofuran	9.97	168	465291	22.93	ng	# 89
55) 4-Nitrophenol	9.87	139	13003	4.63	ng	# 46
56) 2,4-Dinitrotoluene	9.95	165	40053	7.62	ng	# 42
57) Fluorene	10.33	166	2889883	175.69	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.38	198	504	5.53	ng	# 1
65) n-Nitrosodiphenylamine	10.43	169	45739	4.02	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	17888	5.02	ng	# 1
70) Phenanthrene	11.30	178	7683628	398.79	ng	# 95
71) Anthracene	11.30	178	7683628	380.84	ng	# 95
74) Fluoranthene	12.48	202	3185188	164.96	ng	# 93
76) Benzidine	12.63	184	693	7.17	ng	# 1
77) Pyrene	12.71	202	3655016	168.58	ng	# 96
80) Benzo(a)anthracene	13.88	228	1609081	104.61	ng	# 89
82) Chrysene	13.88	228	1609081	98.06	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.59	276	317511	22.55	ng	# 88
87) Benzo(b)fluoranthene	14.89	252	1218620	69.44	ng	# 98
88) Benzo(k)fluoranthene	14.89	252	1218620	73.70	ng	# 97
89) Benzo(a)pyrene	15.22	252	989179	61.20	ng	# 95
90) Dibenzo(a,h)anthracene	16.60	278	87901	5.66	ng	# 96

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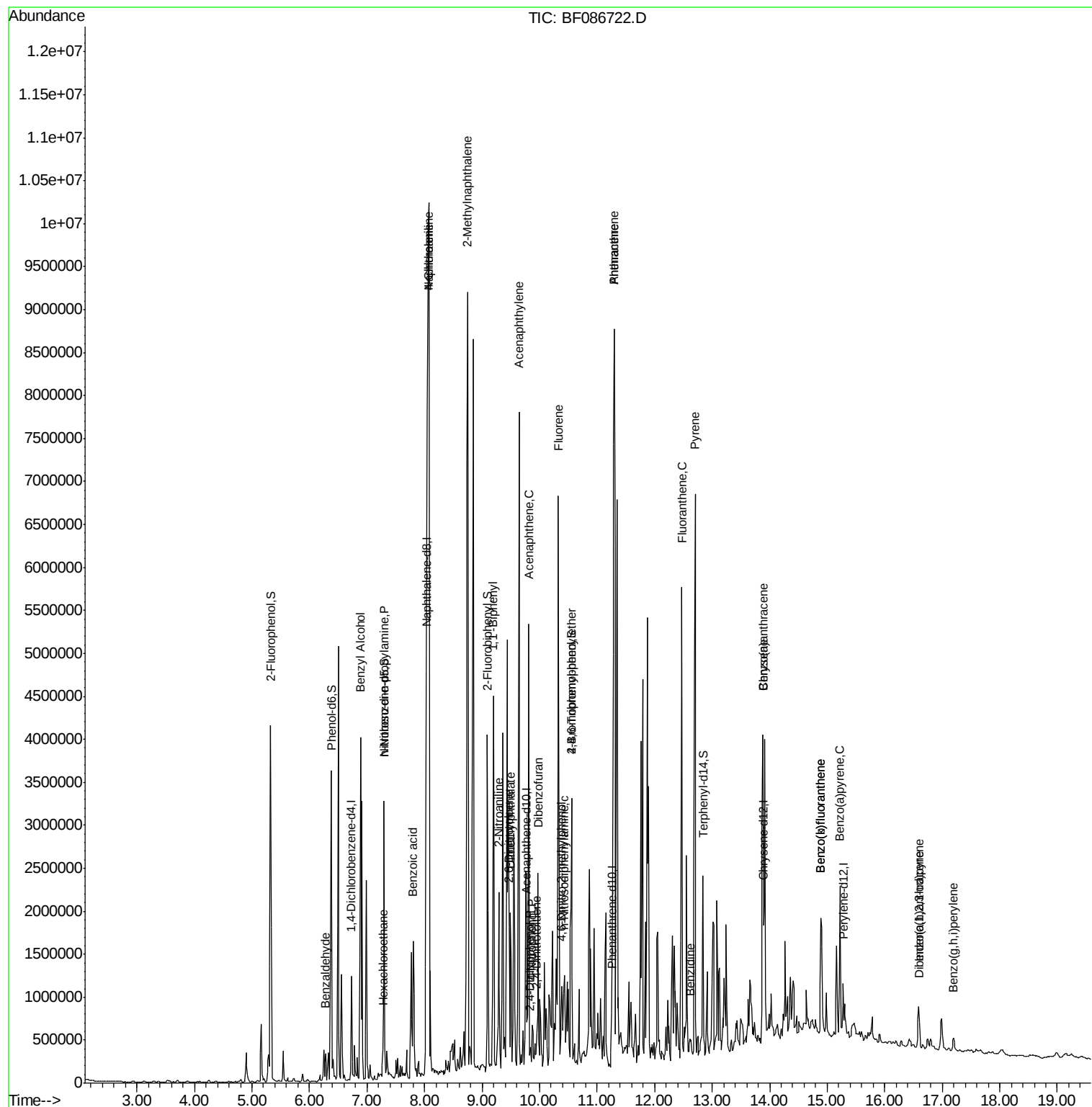
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	17.20	276	115499	7.08	ng	96

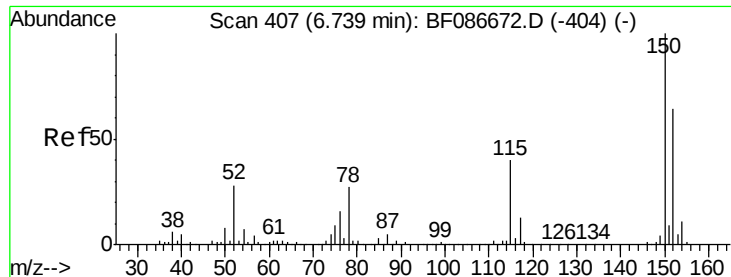
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

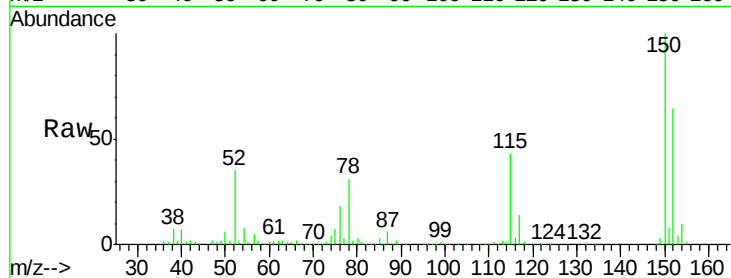
Tgt Ion:152 Resp: 164624

Ion Ratio Lower Upper

152 100

150 156.9 125.8 188.6

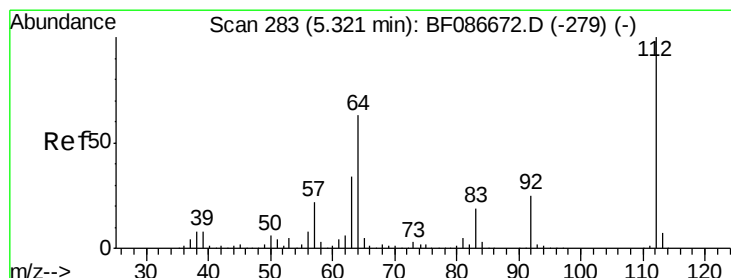
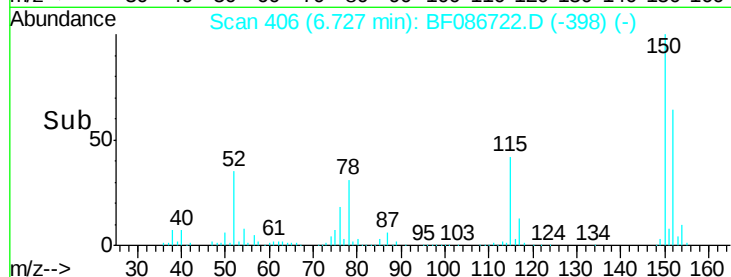
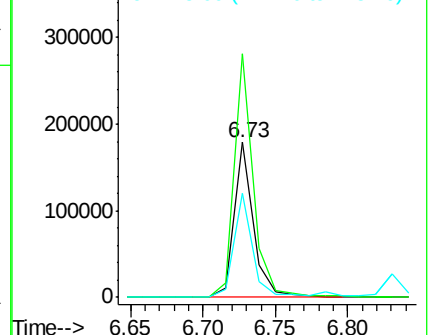
115 66.7 51.5 77.3



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: 130.92 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

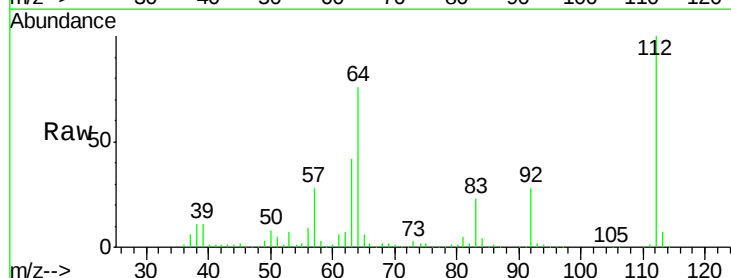
Tgt Ion:112 Resp: 1301842

Ion Ratio Lower Upper

112 100

64 76.2 52.1 78.1

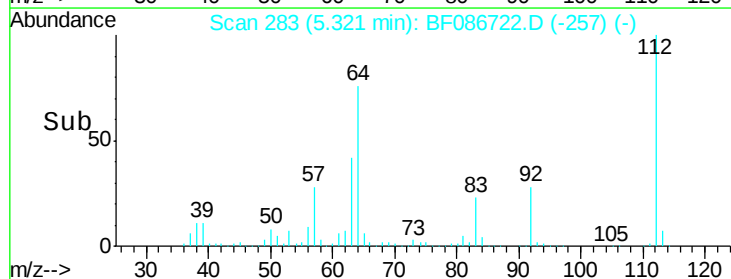
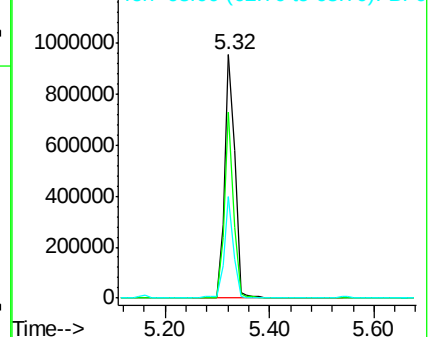
63 41.9 25.7 38.5

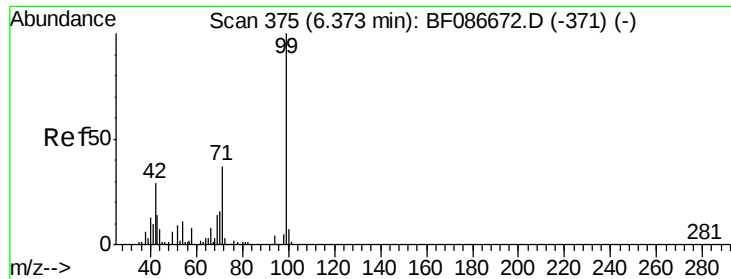


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.65 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

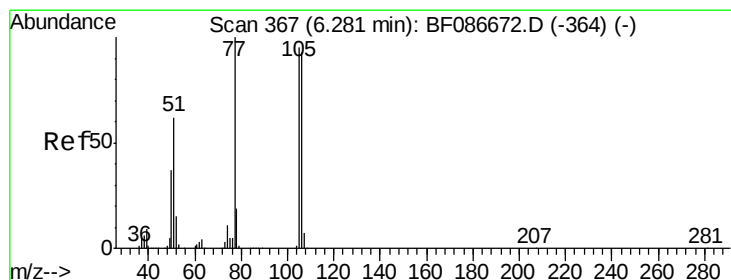
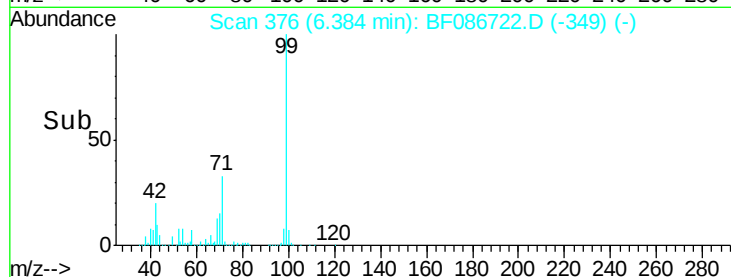
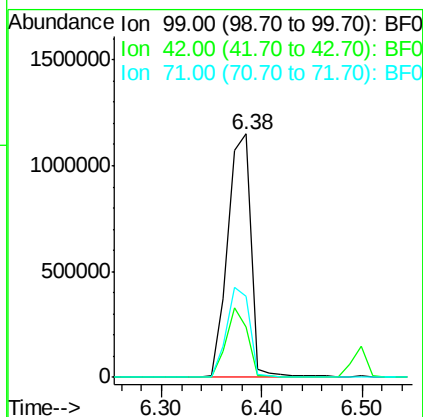
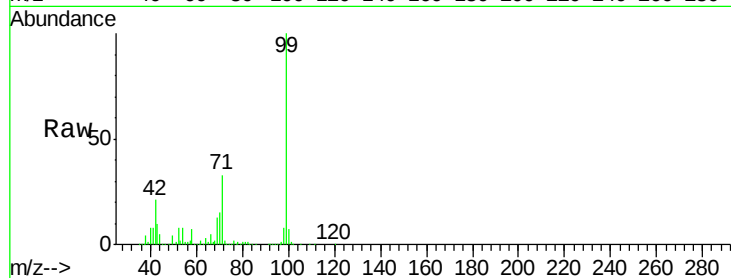
Tgt Ion: 99 Resp: 1857251

Ion Ratio Lower Upper

99 100

42 20.5 13.6 20.4#

71 33.1 24.6 36.8



#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.28 min Scan# 367

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

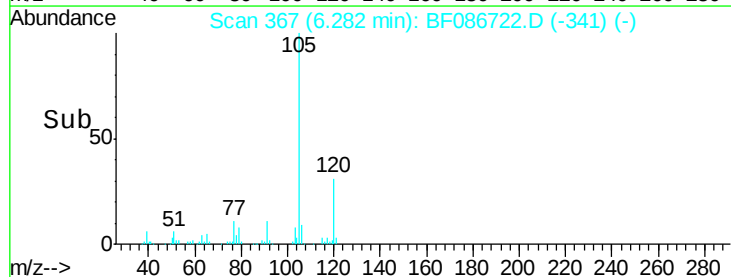
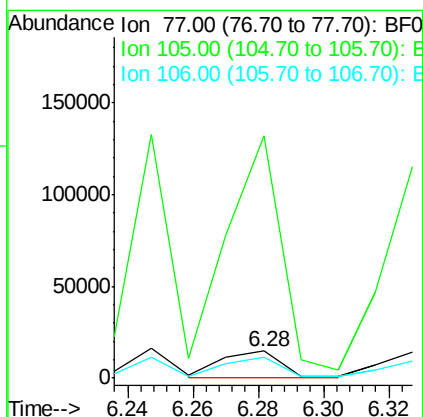
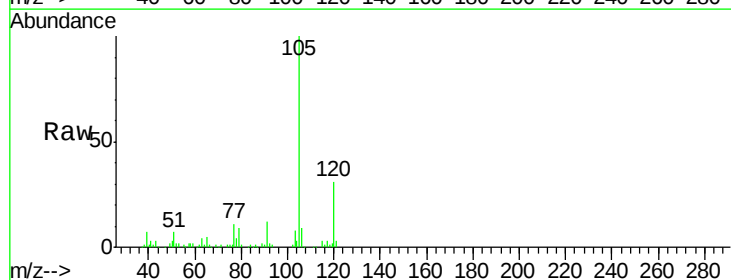
Tgt Ion: 77 Resp: 18439

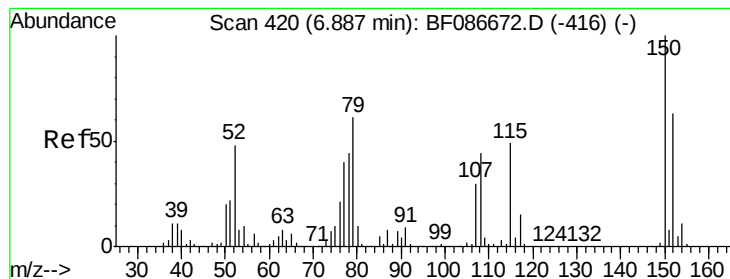
Ion Ratio Lower Upper

77 100

105 892.8 72.7 112.7#

106 76.3 70.8 110.8





#15

Benzyl Alcohol

Concen: 2.59 ng

RT: 6.89 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

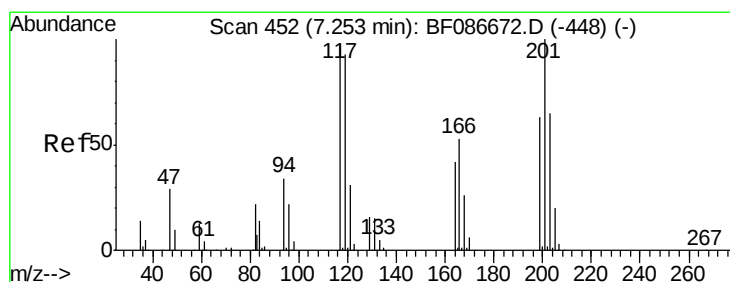
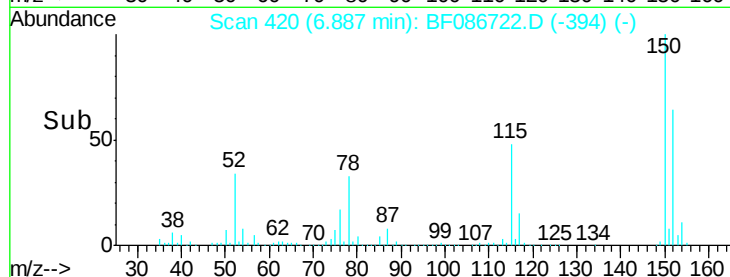
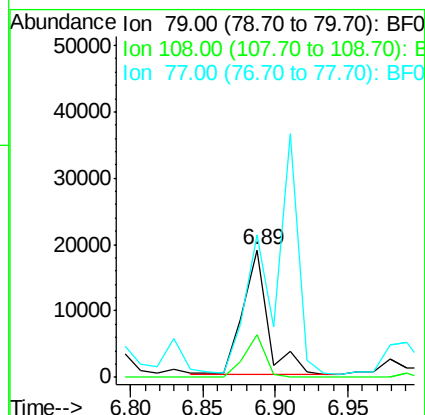
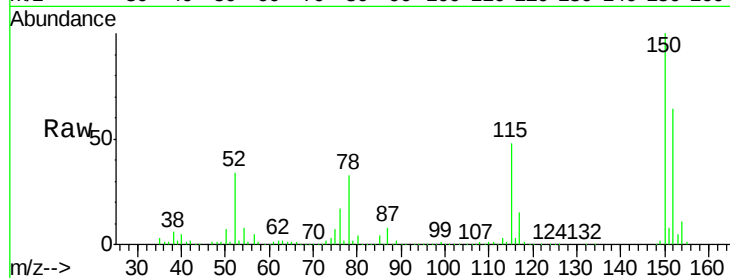
Tgt Ion: 79 Resp: 22403

Ion Ratio Lower Upper

79 100

108 33.2 68.4 102.6#

77 112.5 50.6 76.0#



#18

Hexachloroethane

Concen: 13.59 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.02 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

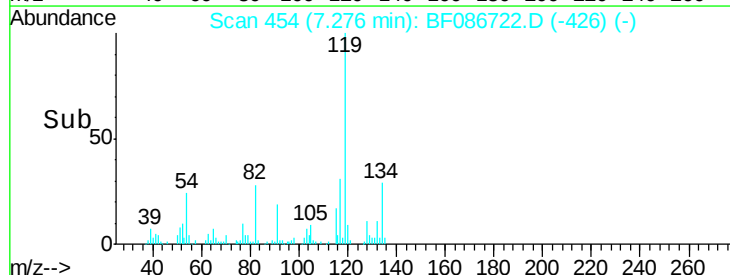
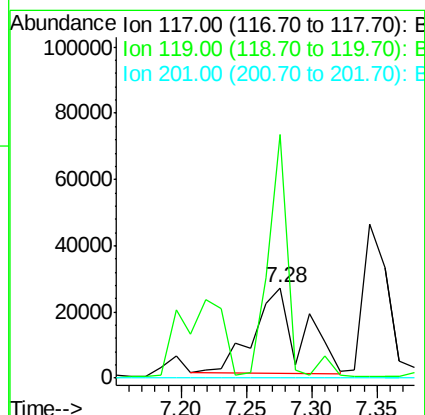
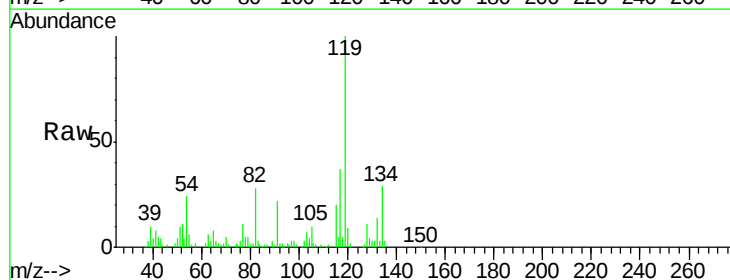
Tgt Ion: 117 Resp: 67216

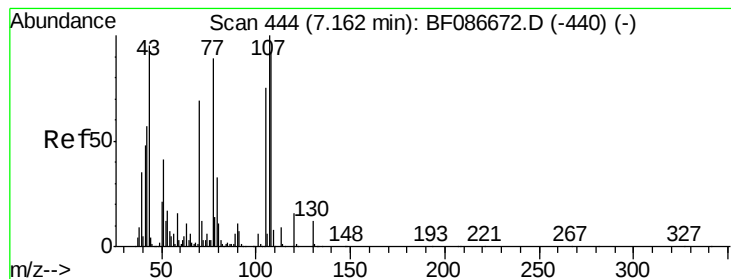
Ion Ratio Lower Upper

117 100

119 268.6 76.5 114.7#

201 0.0 63.0 94.6#





#19

n-Nitroso-di-n-propylamine

Concen: 17.00 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.14 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

Tgt Ion: 70 Resp: 155632

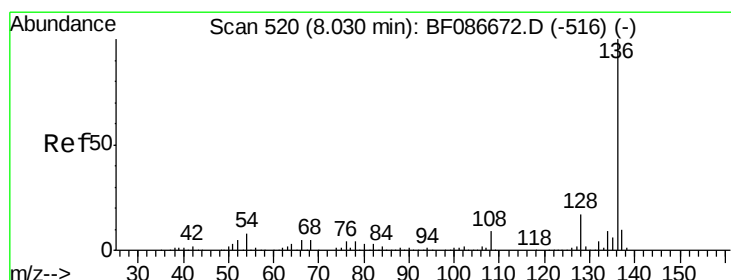
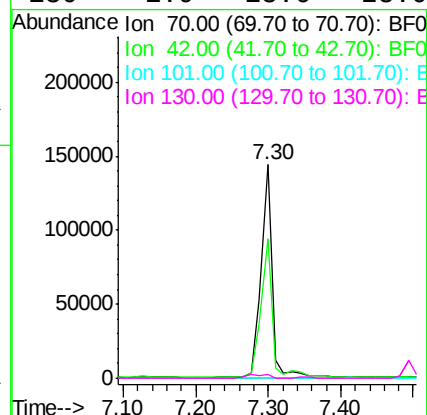
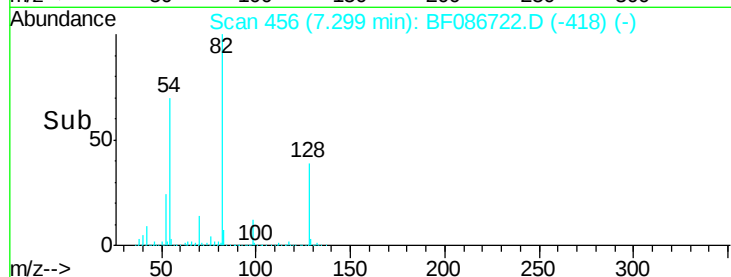
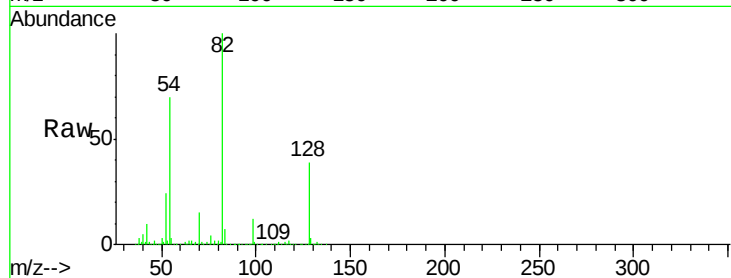
Ion Ratio Lower Upper

70 100

42 65.6 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Tgt Ion: 136 Resp: 495053

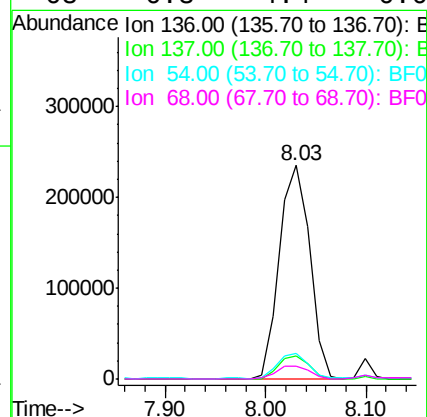
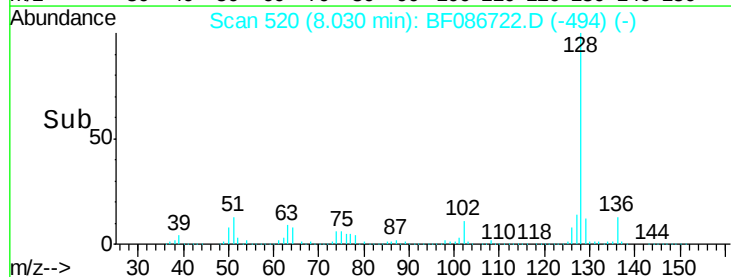
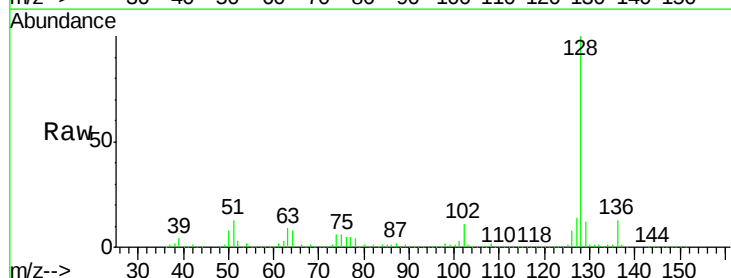
Ion Ratio Lower Upper

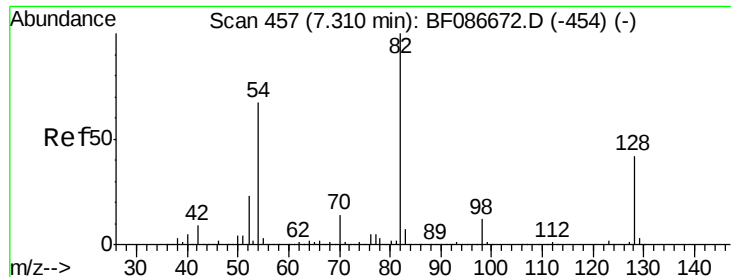
136 100

137 11.1 8.8 13.2

54 11.7 5.0 7.4#

68 6.3 4.4 6.6

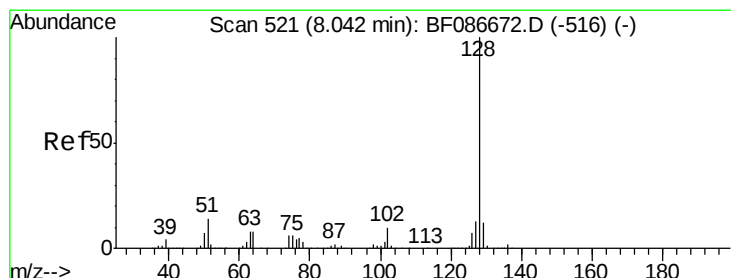
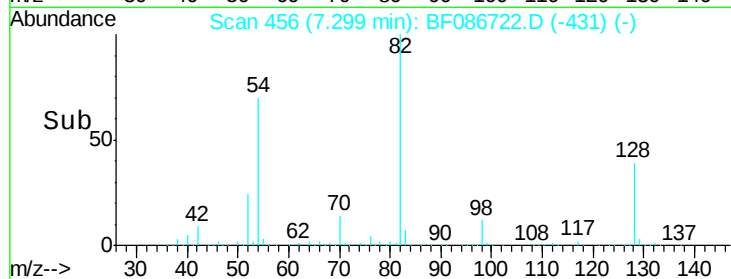
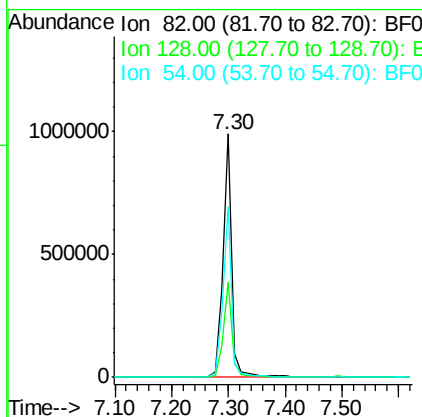
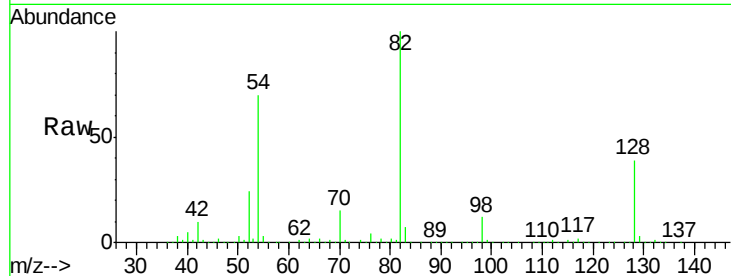




#23
 Nitrobenzene-d5
 Concen: 111.21 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

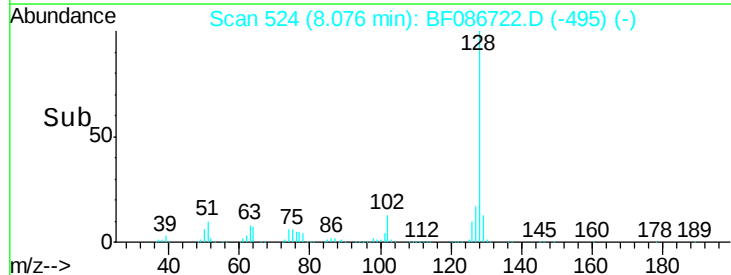
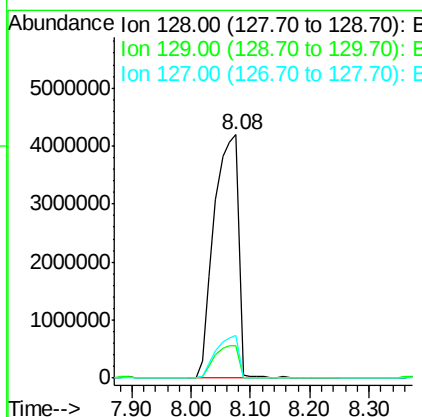
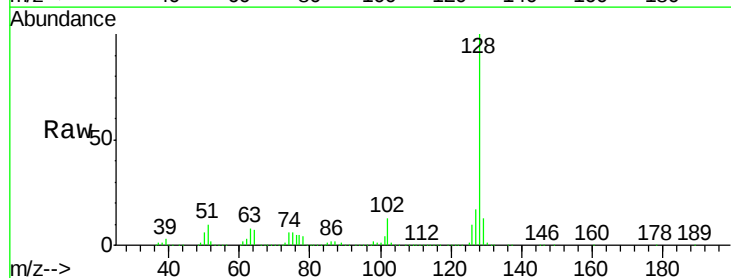
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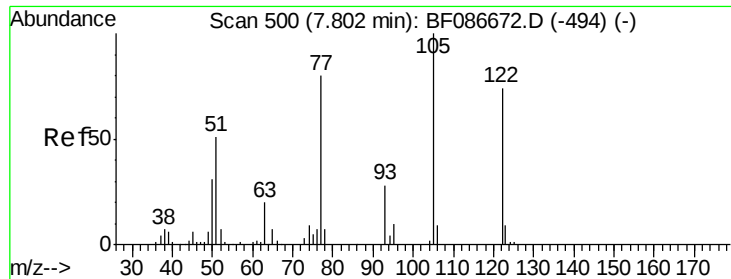
Tgt Ion: 82 Resp: 1071394
 Ion Ratio Lower Upper
 82 100
 128 39.2 40.6 61.0#
 54 69.9 38.1 57.1#



#31
 Naphthalene
 Concen: 472.39 ng
 RT: 8.08 min Scan# 524
 Delta R.T. 0.03 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Tgt Ion: 128 Resp: 11947797
 Ion Ratio Lower Upper
 128 100
 129 13.4 8.6 13.0#
 127 17.4 10.8 16.2#





#32

Benzoic acid

Concen: 9.32 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

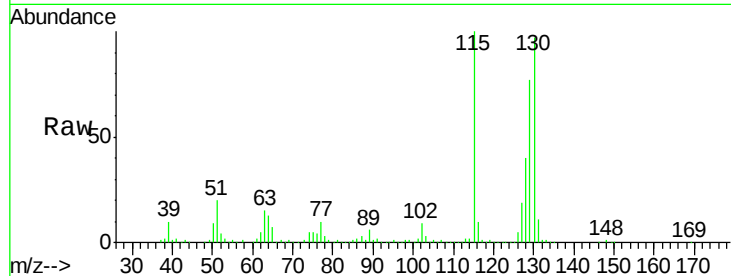
Tgt Ion:122 Resp: 3321

Ion Ratio Lower Upper

122 100

105 185.7 92.6 132.6#

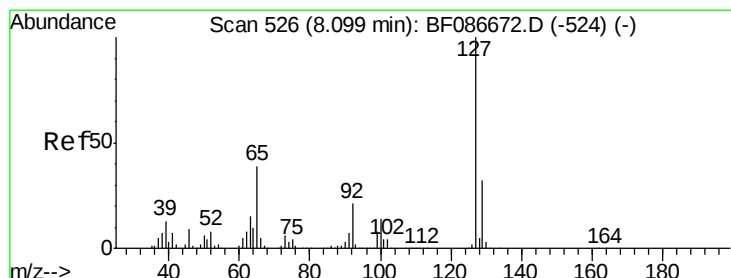
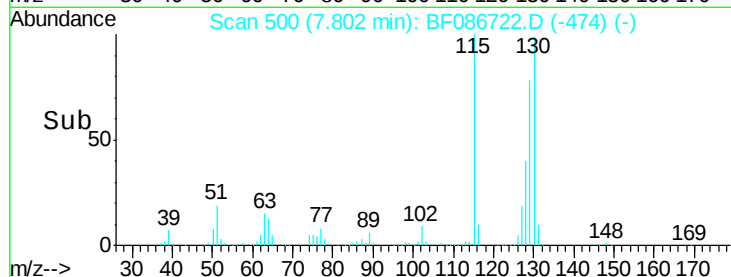
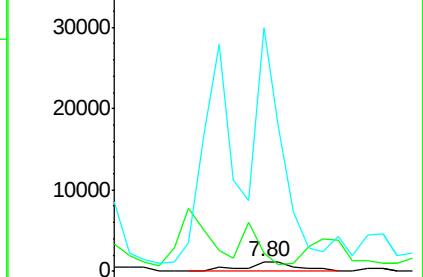
77 2480.2 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 196.82 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.02 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Tgt Ion:127 Resp: 1928579

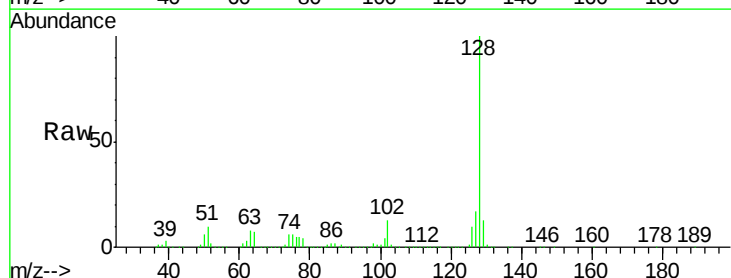
Ion Ratio Lower Upper

127 100

129 77.2 26.2 39.4#

65 0.0 23.0 34.4#

92 0.0 15.1 22.7#

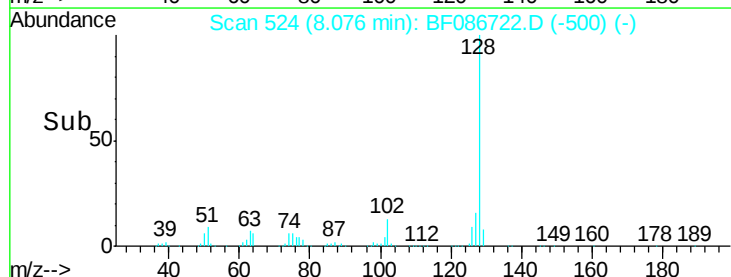
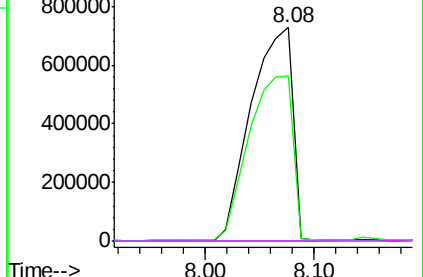


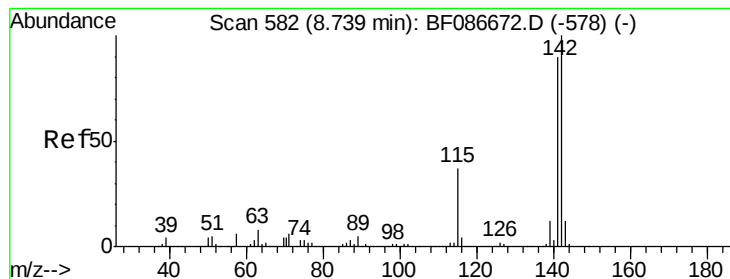
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 290.70 ng

RT: 8.75 min Scan# 583

Delta R.T. 0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

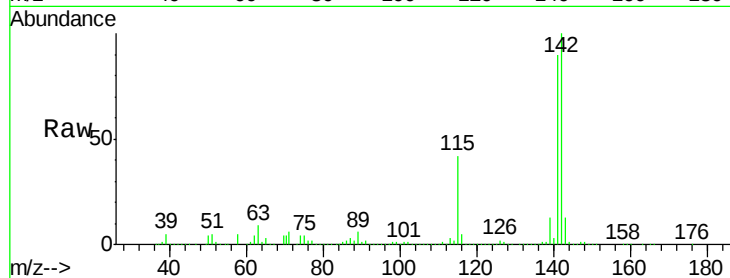
Tgt Ion:142 Resp: 4337843

Ion Ratio Lower Upper

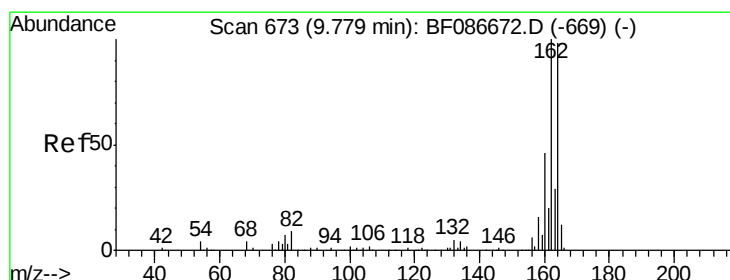
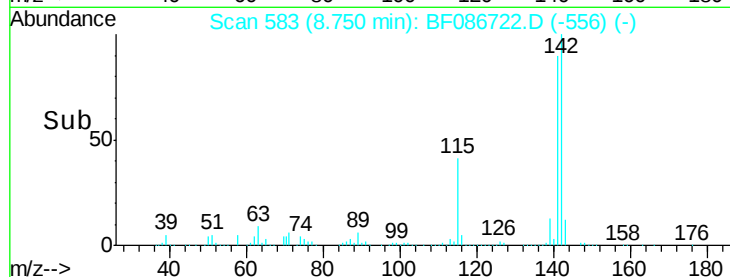
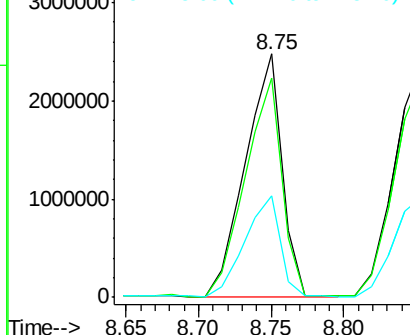
142 100

141 90.3 71.0 106.6

115 41.6 26.6 39.8#



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: 40.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

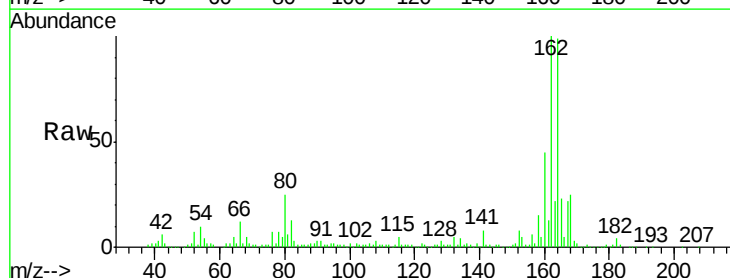
Tgt Ion:164 Resp: 265042

Ion Ratio Lower Upper

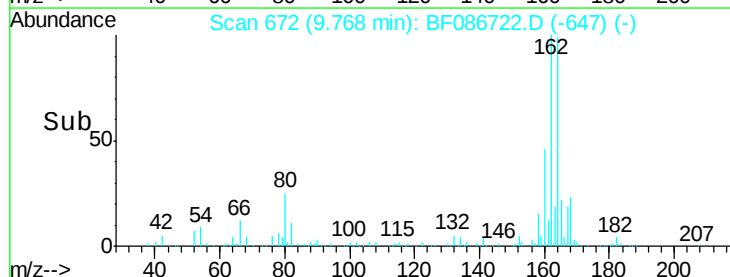
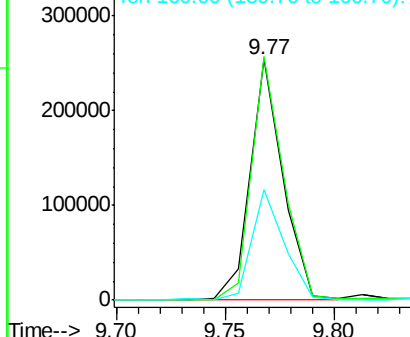
164 100

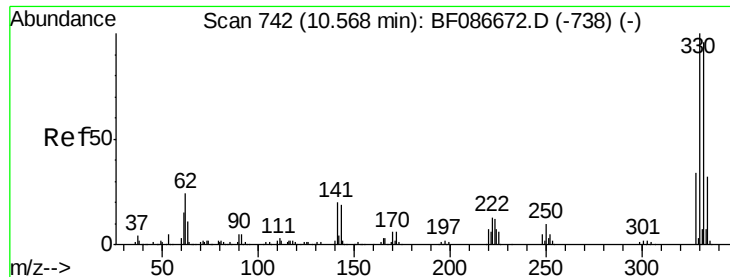
162 101.2 82.8 124.2

160 45.9 36.9 55.3



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

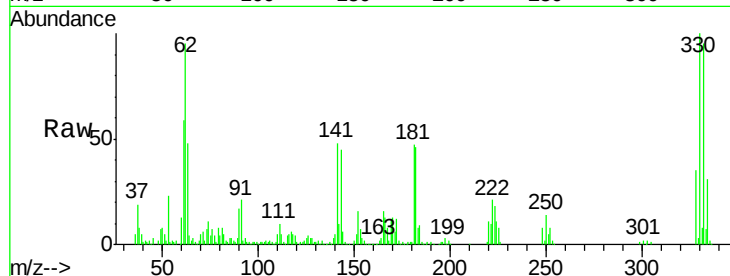




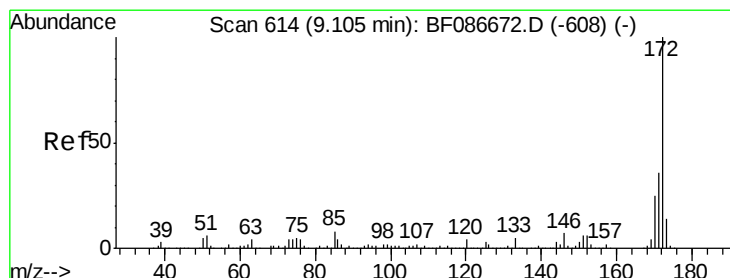
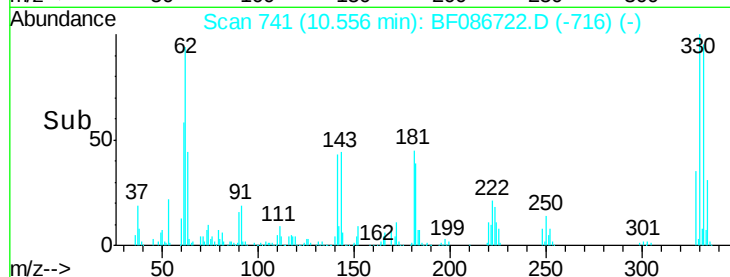
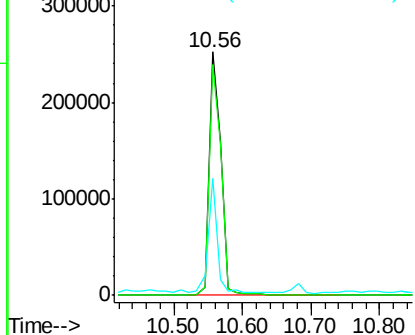
#41
 2,4,6-Tribromophenol
 Concen: 116.32 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.4
141	37.0	31.2	46.8

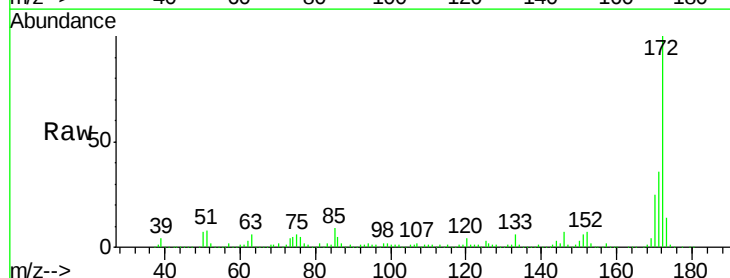


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

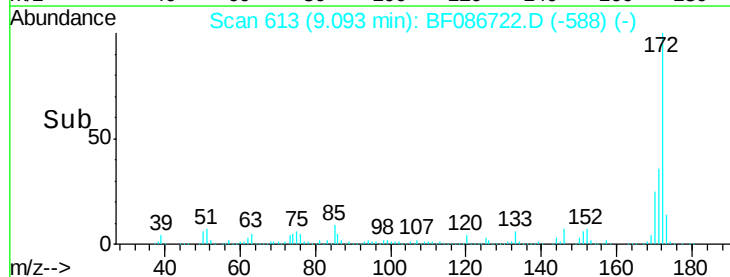
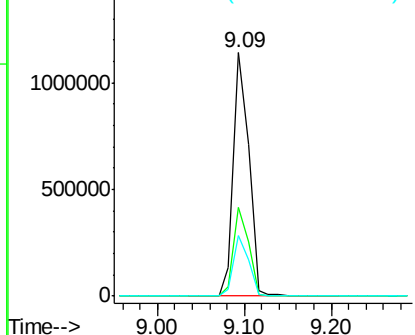


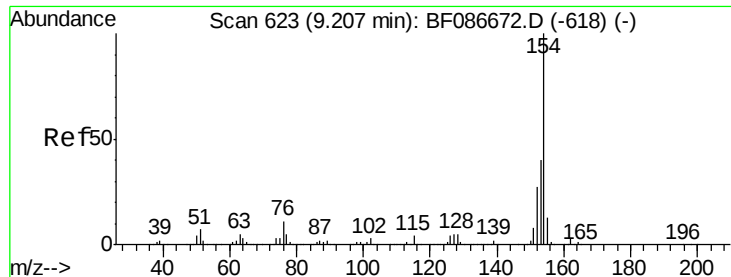
#44
 2-Fluorobiphenyl
 Concen: 86.99 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.7	19.8	29.8



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

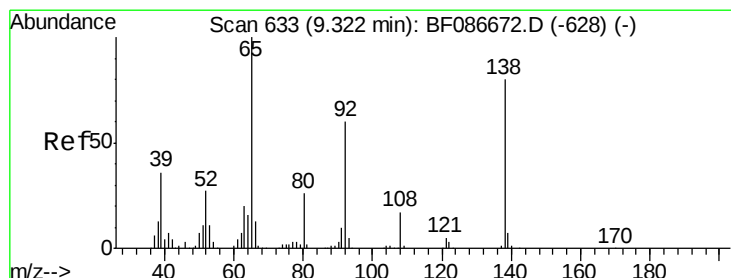
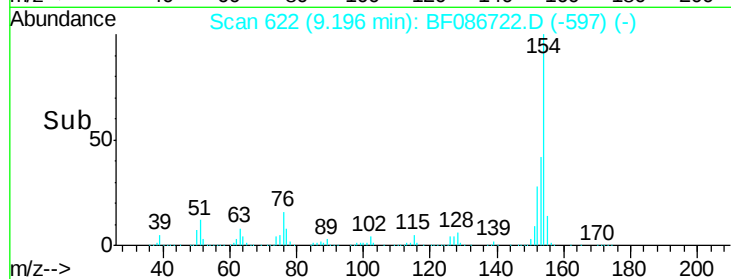
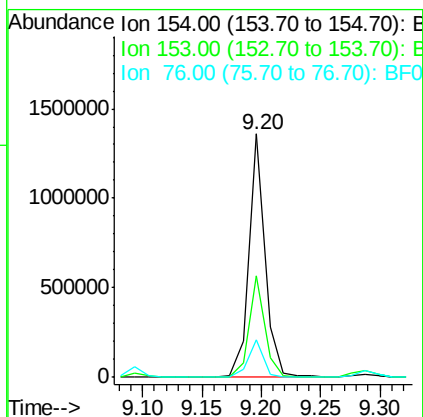
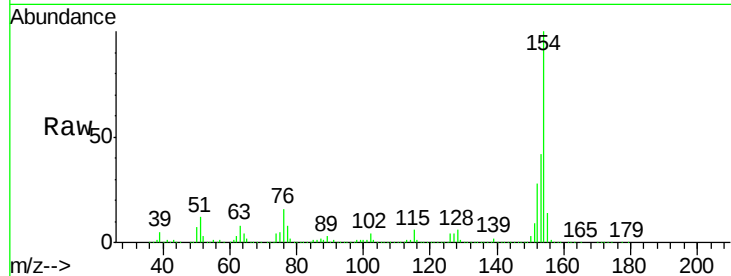




#45
 1,1'-Biphenyl
 Concen: 60.23 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

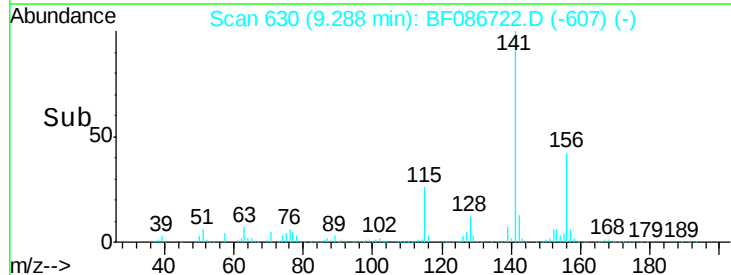
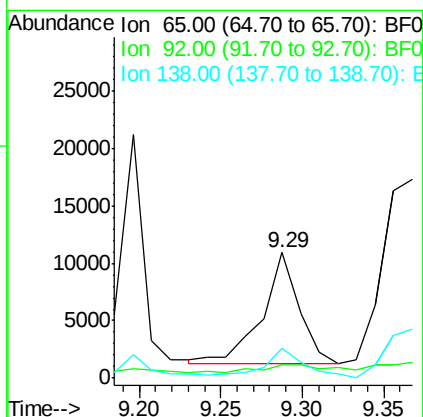
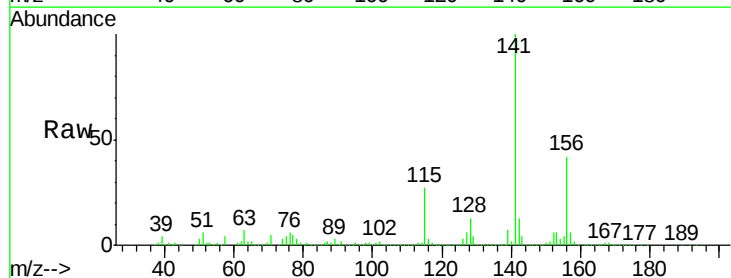
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

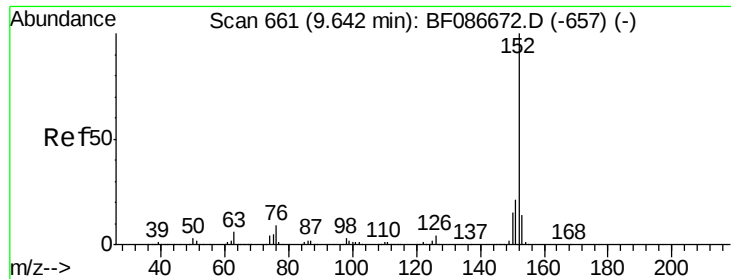
Tgt Ion:154 Resp: 1305217
 Ion Ratio Lower Upper
 154 100
 153 41.8 20.3 60.3
 76 15.6 0.0 30.2



#47
 2-Nitroaniline
 Concen: 2.62 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.03 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Tgt Ion: 65 Resp: 15597
 Ion Ratio Lower Upper
 65 100
 92 10.8 57.4 86.2#
 138 24.3 90.1 135.1#





#48

Acenaphthylene

Concen: 115.95 ng

RT: 9.64 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

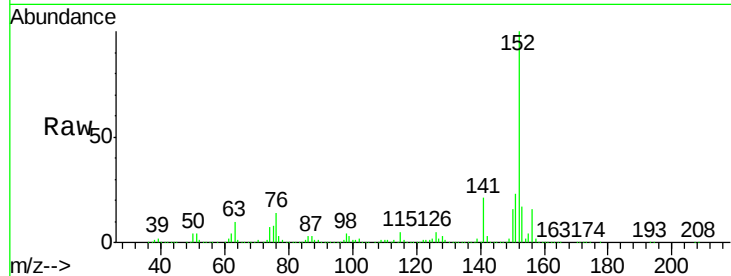
Tgt Ion:152 Resp: 2878272

Ion Ratio Lower Upper

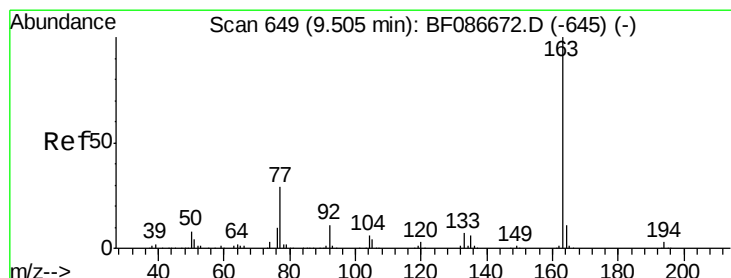
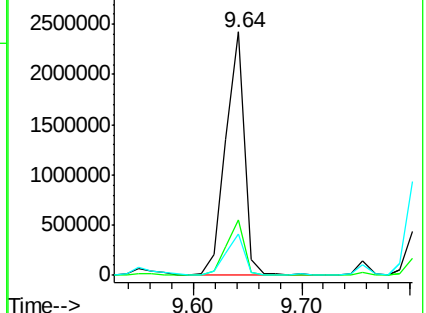
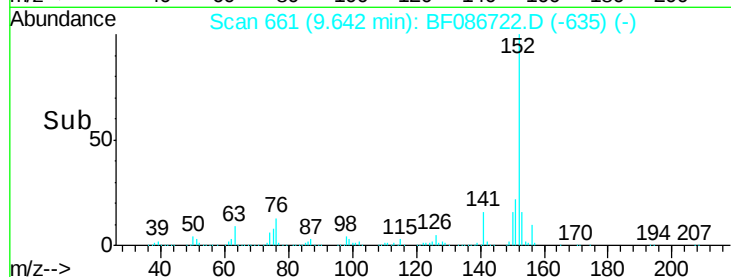
152 100

151 22.5 16.8 25.2

153 17.2 10.9 16.3#



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: 11.23 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

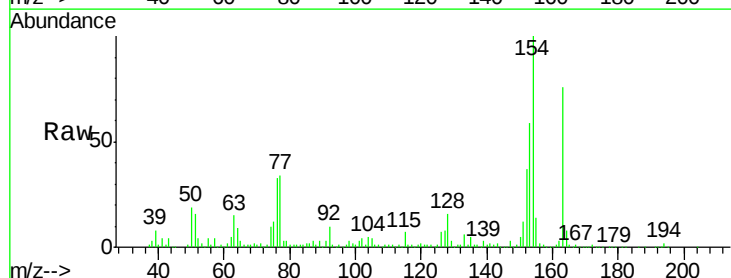
Tgt Ion:163 Resp: 221971

Ion Ratio Lower Upper

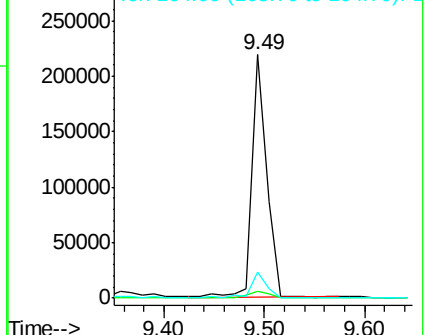
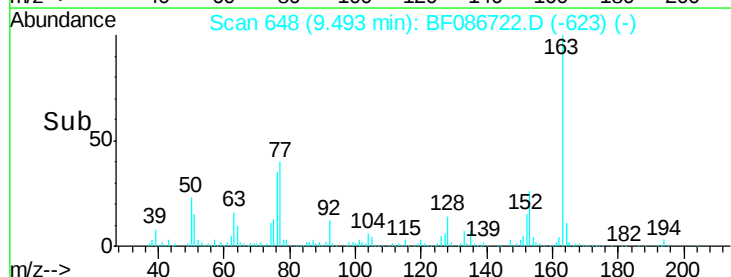
163 100

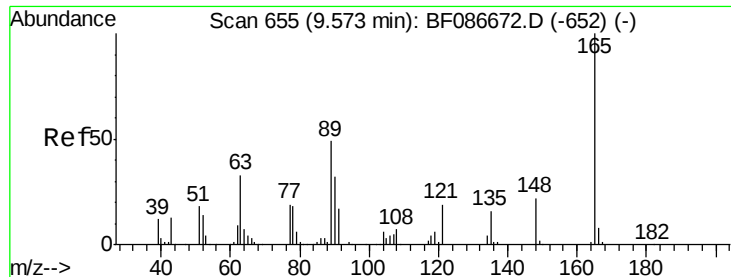
194 2.8 2.6 4.0

164 10.9 8.2 12.4



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: 6.11 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.10 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

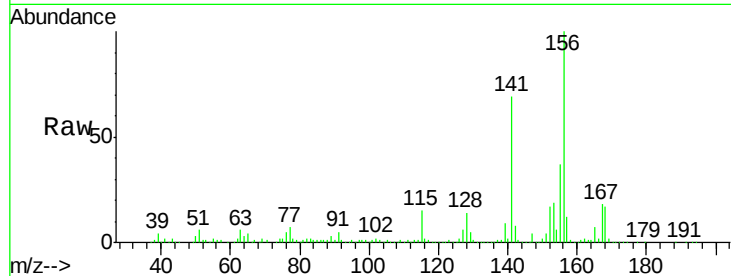
Tgt Ion:165 Resp: 25909

Ion Ratio Lower Upper

165 100

63 76.6 51.8 77.8

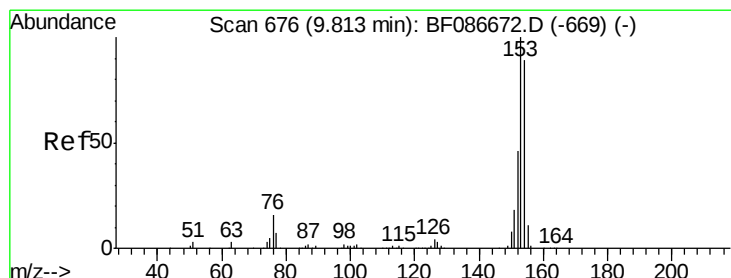
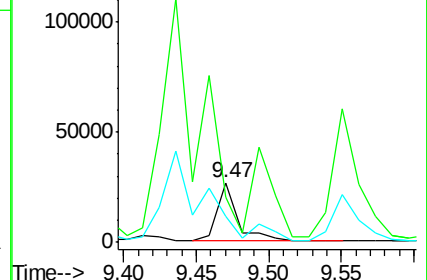
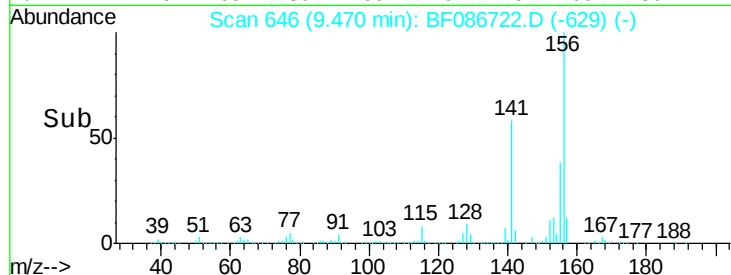
89 44.2 50.7 76.1#



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: 87.11 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

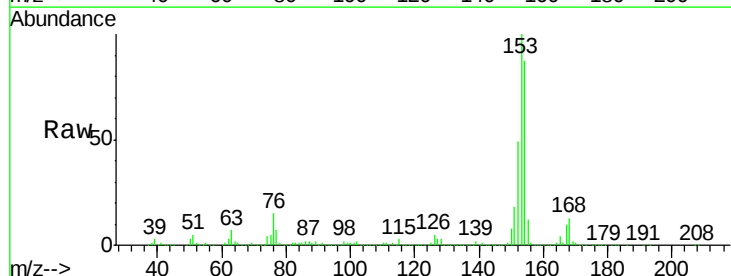
Tgt Ion:154 Resp: 1426396

Ion Ratio Lower Upper

154 100

153 115.4 89.8 134.6

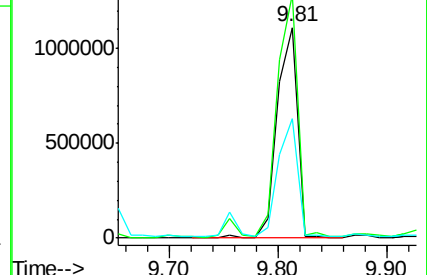
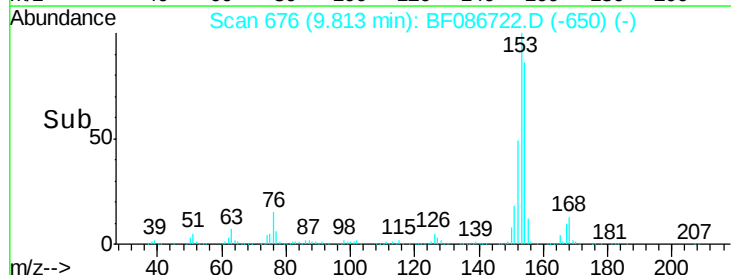
152 56.7 43.4 65.0

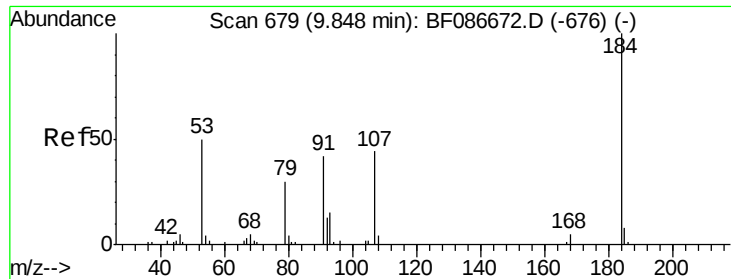


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

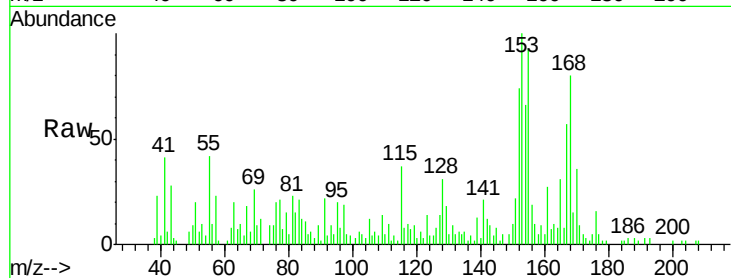




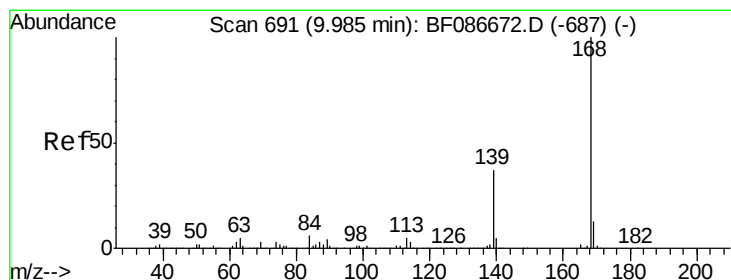
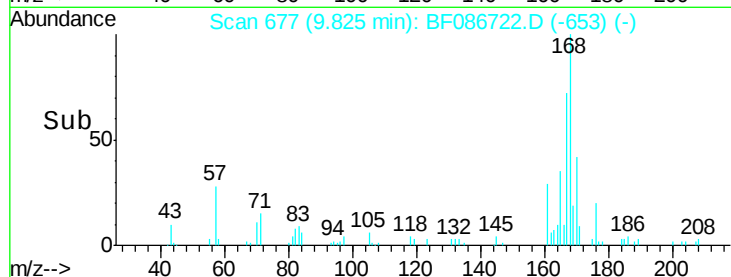
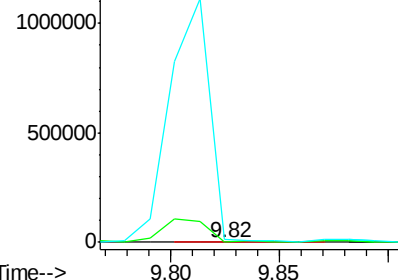
#53
 2,4-Dinitrophenol
 Concen: 9.54 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Tgt Ion:184 Resp: 753
 Ion Ratio Lower Upper
 184 100
 63 889.1 55.8 83.8#
 154 2955.9 62.4 93.6#

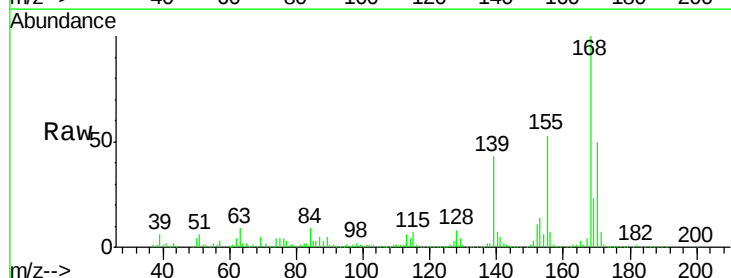


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

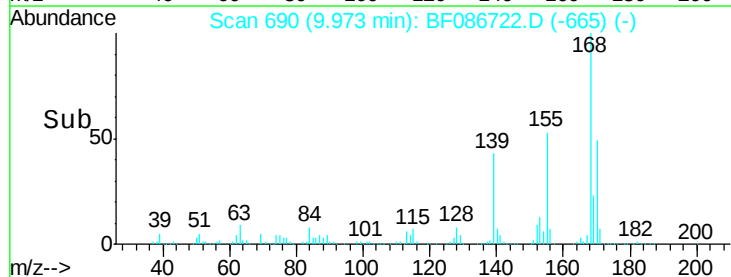
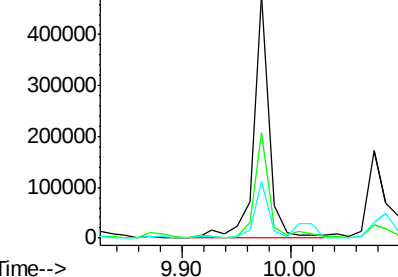


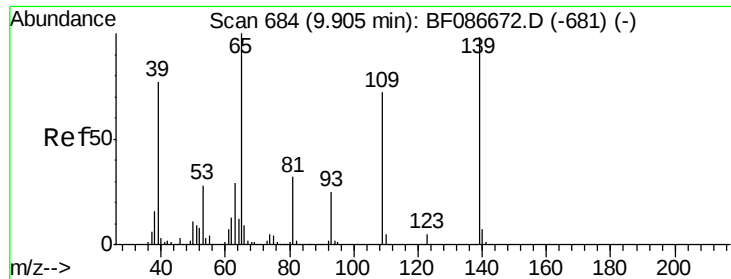
#54
 Dibenzofuran
 Concen: 22.93 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Tgt Ion:168 Resp: 465291
 Ion Ratio Lower Upper
 168 100
 139 43.3 31.4 47.0
 169 23.3 10.7 16.1#



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





#55

4-Nitrophenol

Concen: 4.63 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.03 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

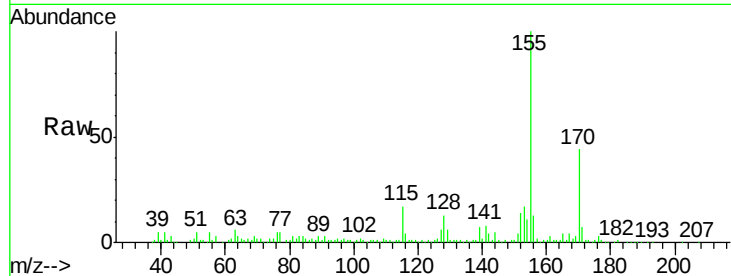
Tgt Ion:139 Resp: 13003

Ion Ratio Lower Upper

139 100

109 23.6 36.9 76.9#

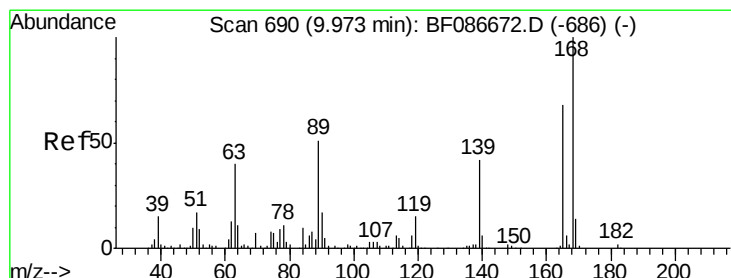
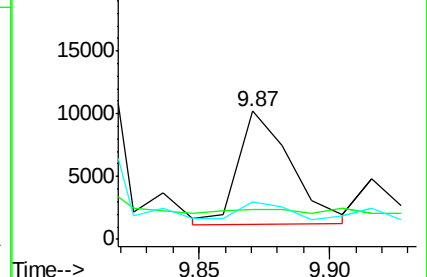
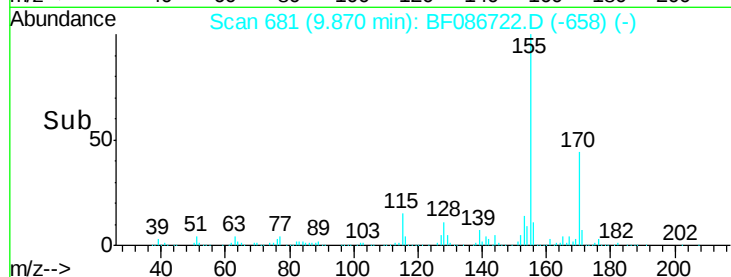
65 29.5 64.0 104.0#



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



#56

2,4-Dinitrotoluene

Concen: 7.62 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Tgt Ion:165 Resp: 40053

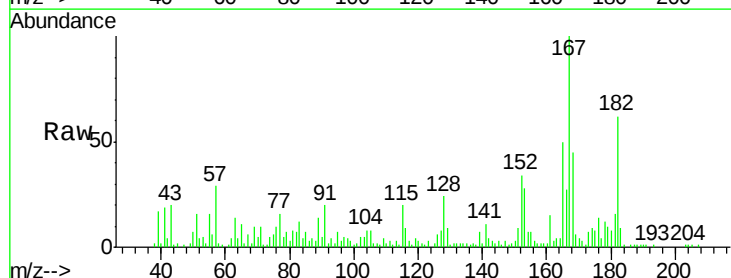
Ion Ratio Lower Upper

165 100

63 27.6 44.3 66.5#

89 28.4 70.0 105.0#

182 123.0 1.8 2.6#

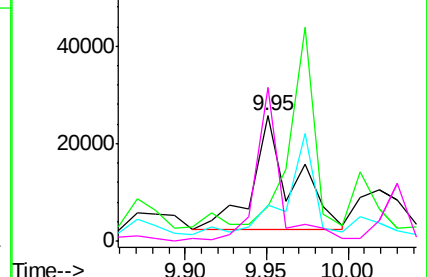
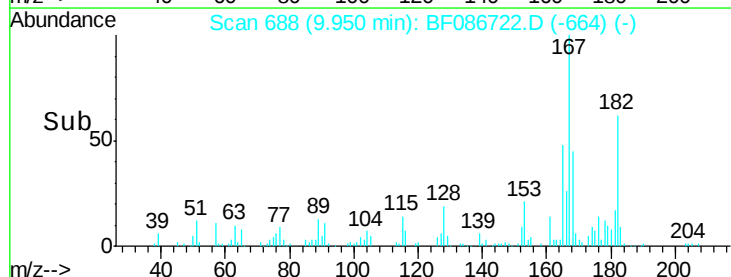


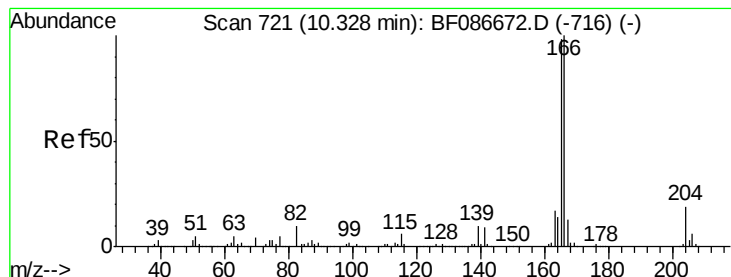
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 175.69 ng

RT: 10.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

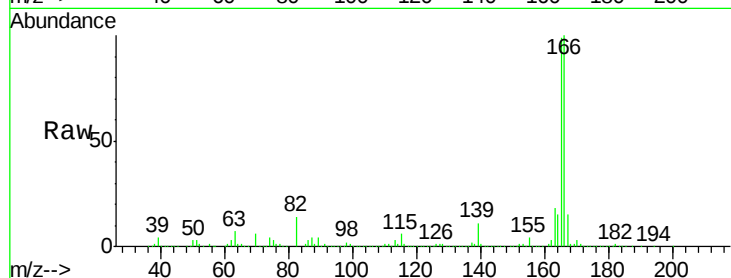
Tgt Ion:166 Resp: 2889883

Ion Ratio Lower Upper

166 100

165 99.4 79.0 118.6

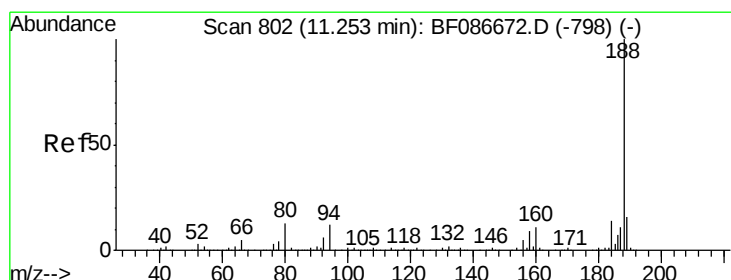
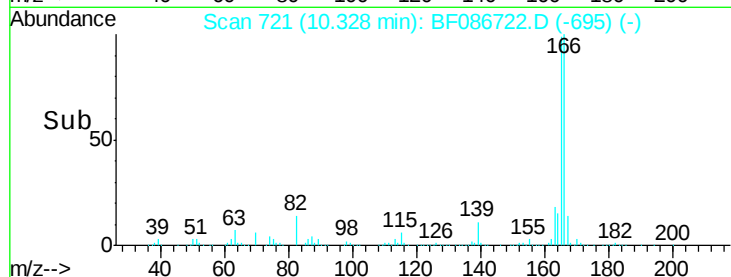
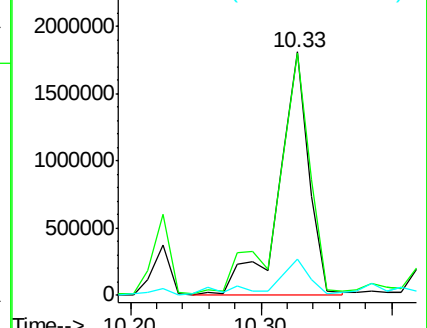
167 15.1 10.6 15.8



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



#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

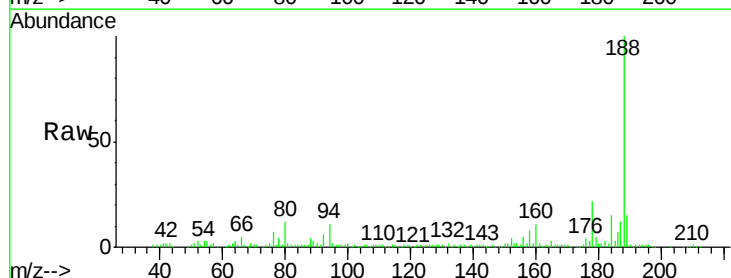
Tgt Ion:188 Resp: 358699

Ion Ratio Lower Upper

188 100

94 11.2 6.8 10.2#

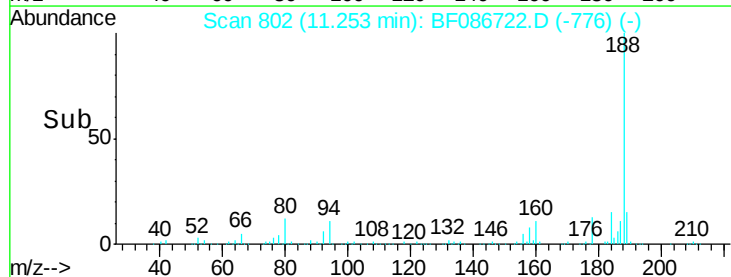
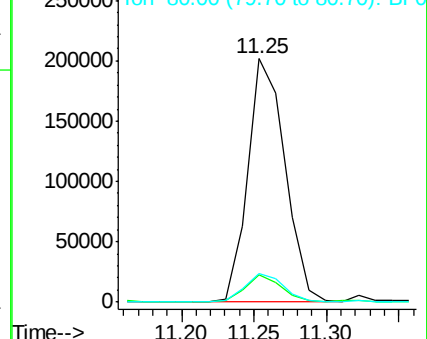
80 11.9 7.1 10.7#

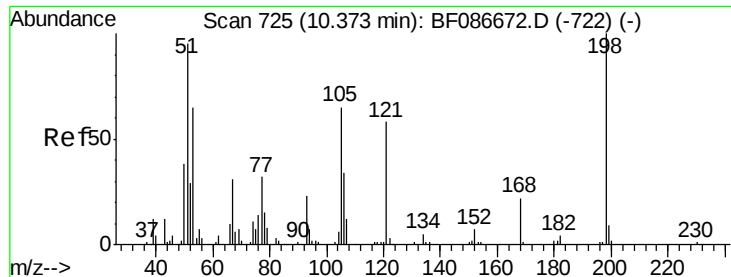


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.53 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

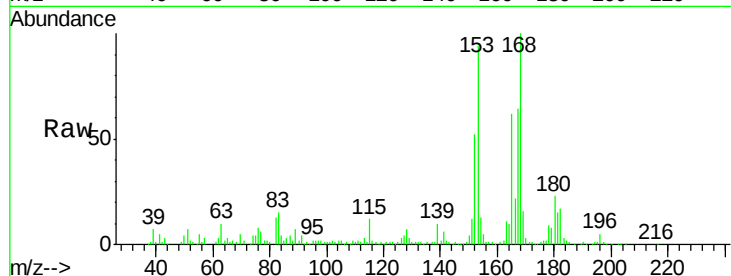
Tgt Ion:198 Resp: 504

Ion Ratio Lower Upper

198 100

51 2153.0 20.5 60.5#

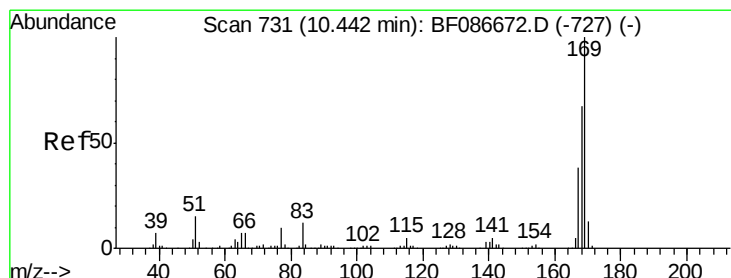
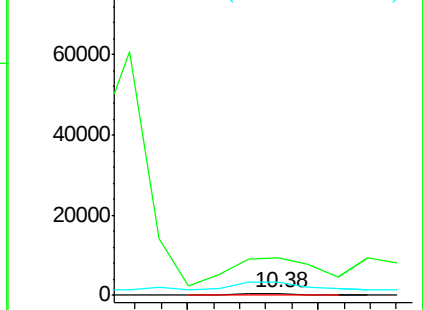
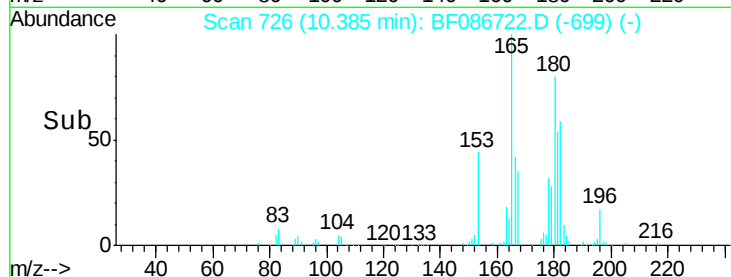
105 761.3 24.5 64.5#



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: 4.02 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

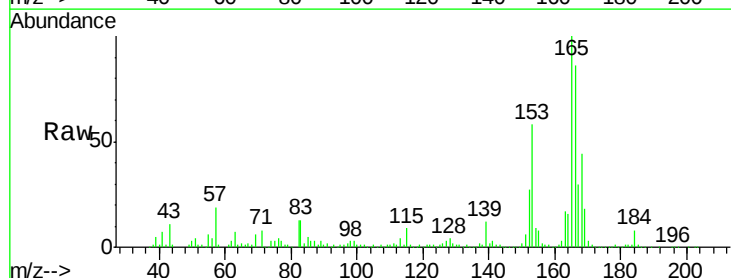
Tgt Ion:169 Resp: 45739

Ion Ratio Lower Upper

169 100

168 244.5 53.8 80.6#

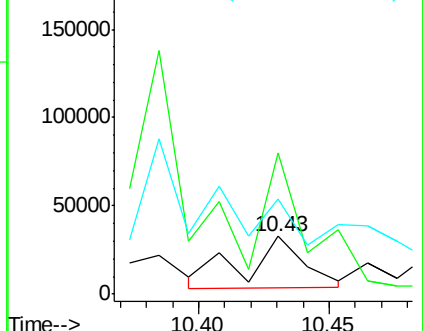
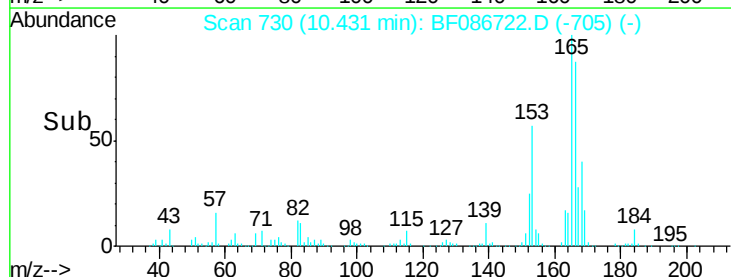
167 165.0 29.5 44.3#

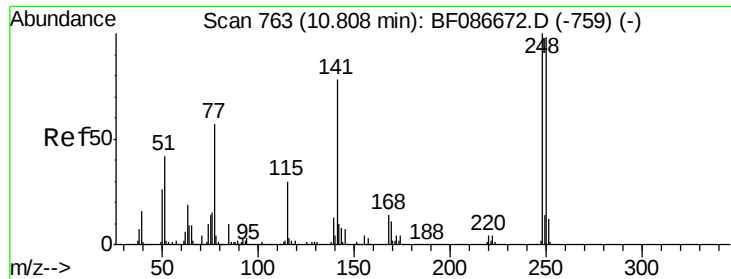


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

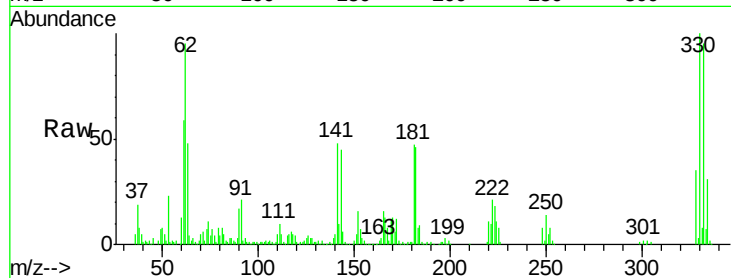




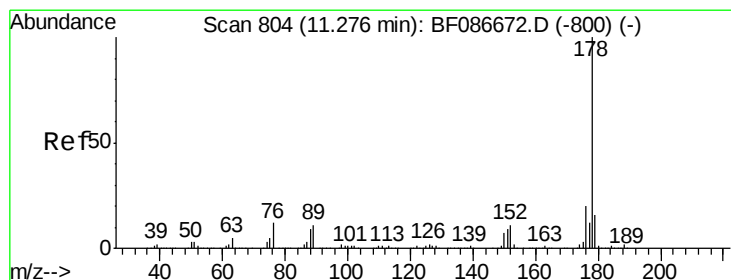
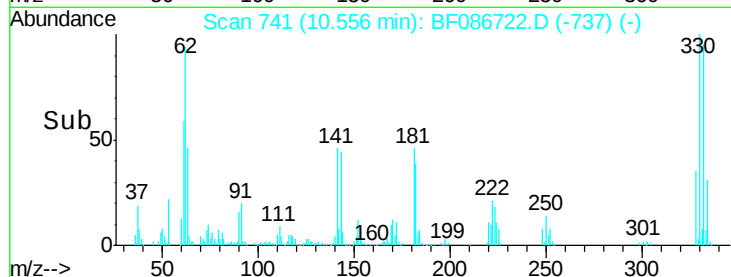
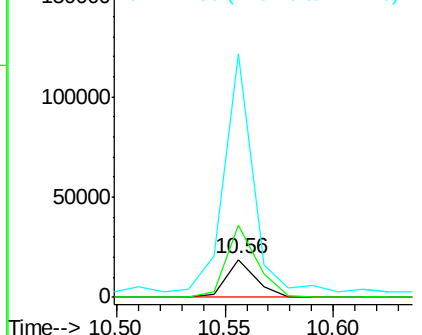
#66
 4-Bromophenyl-phenylether
 Concen: 5.02 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.25 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Tgt Ion:248 Resp: 17888
 Ion Ratio Lower Upper
 248 100
 250 189.8 78.6 117.8#
 141 641.6 76.0 114.0#

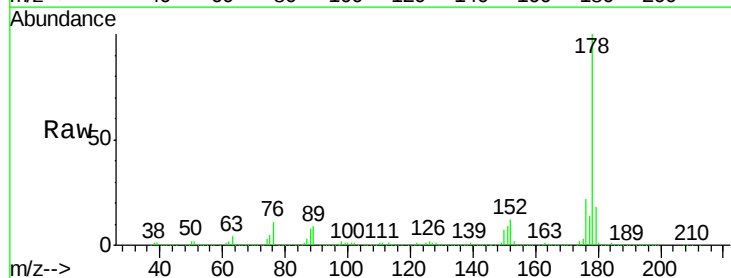


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

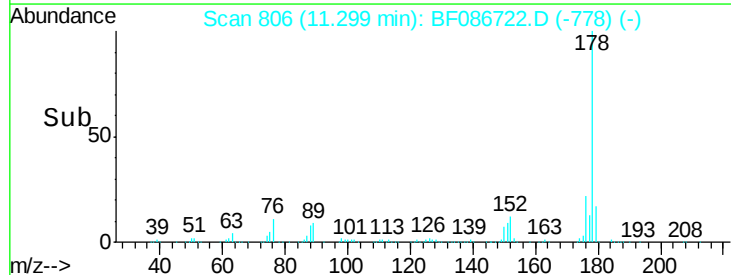
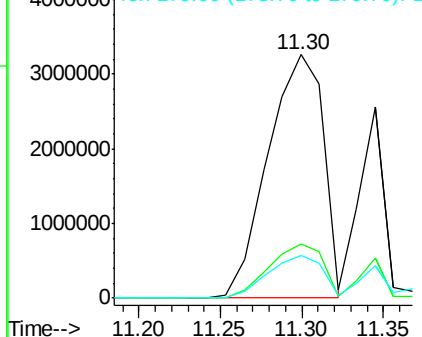


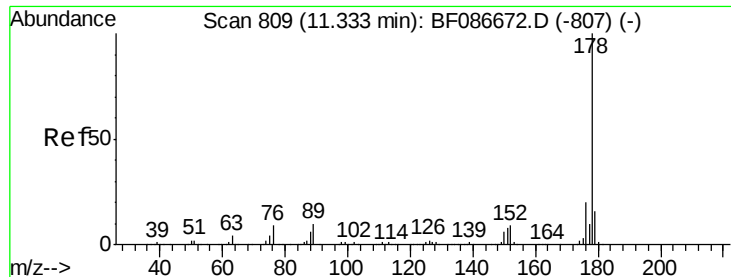
#70
 Phenanthrene
 Concen: 398.79 ng
 RT: 11.30 min Scan# 806
 Delta R.T. 0.02 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Tgt Ion:178 Resp: 7683628
 Ion Ratio Lower Upper
 178 100
 176 22.2 16.0 24.0
 179 17.5 12.6 18.8



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

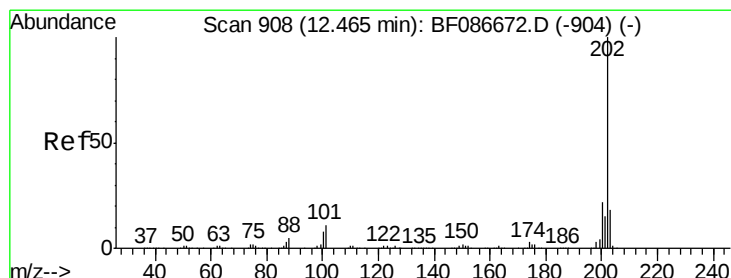
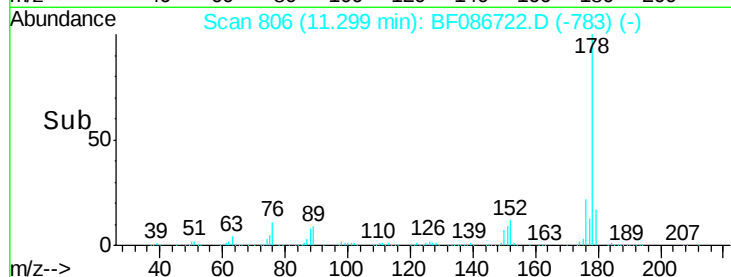
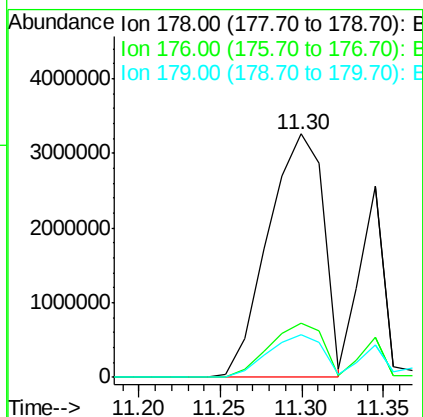
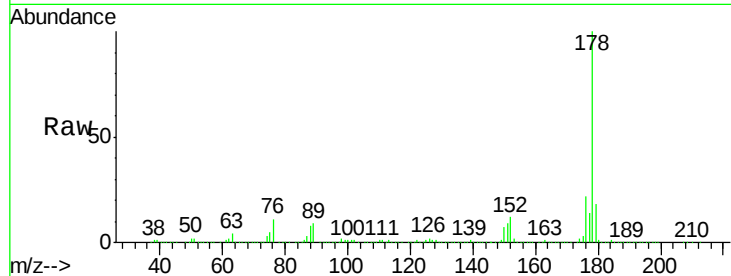




#71
 Anthracene
 Concen: 380.84 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

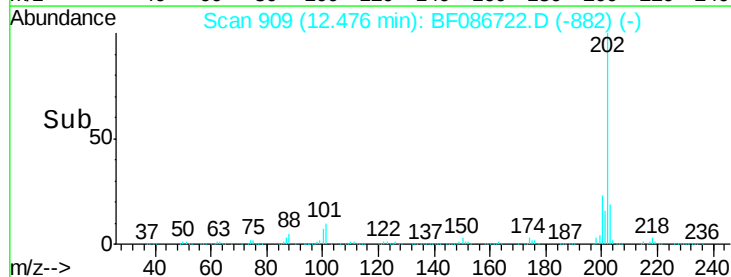
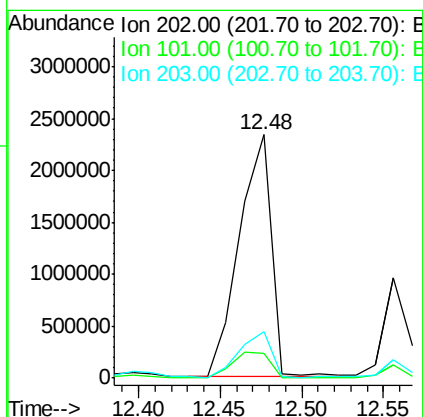
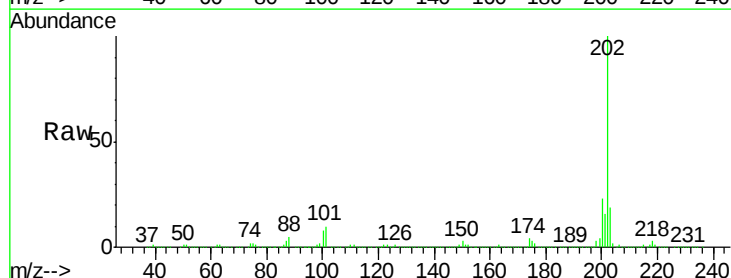
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

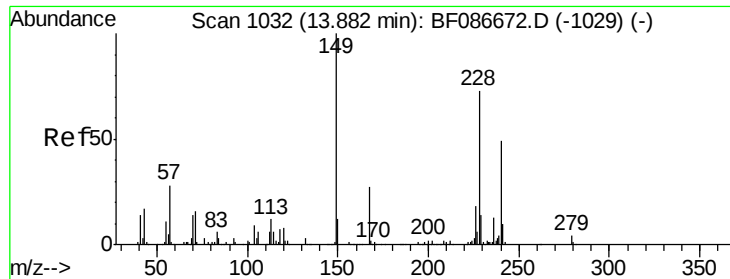
Tgt Ion:178 Resp: 7683628
 Ion Ratio Lower Upper
 178 100
 176 22.2 15.6 23.4
 179 17.5 12.7 19.1



#74
 Fluoranthene
 Concen: 164.96 ng
 RT: 12.48 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: BF086722.D
 Acq: 5 May 2016 23:12

Tgt Ion:202 Resp: 3185188
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 35.4
 203 19.0 0.0 38.1





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

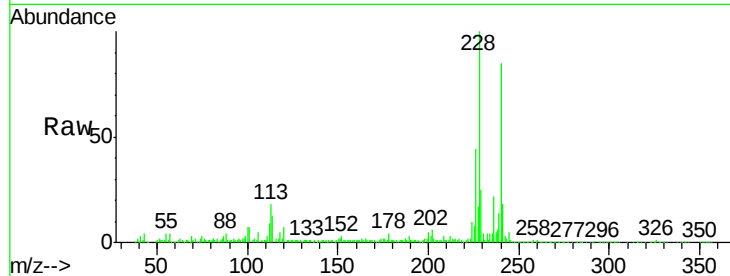
Tgt Ion:240 Resp: 271961

Ion Ratio Lower Upper

240 100

120 8.0 11.2 16.8#

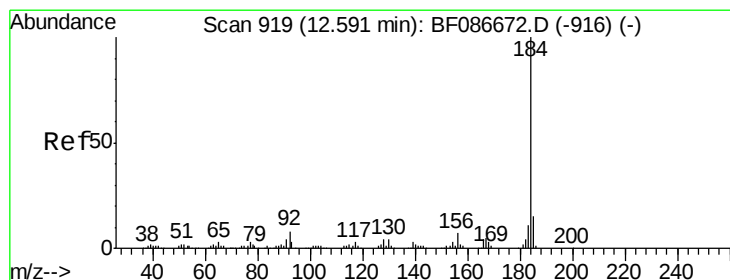
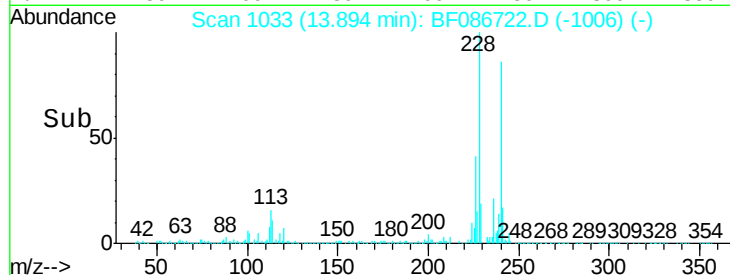
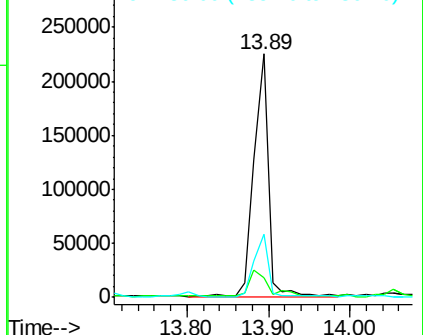
236 25.7 21.2 31.8



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



#76

Benzidine

Concen: 7.17 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.04 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

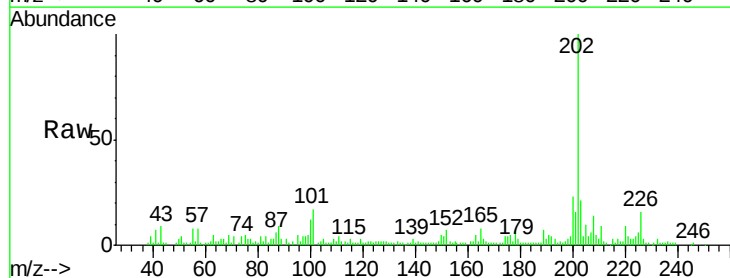
Tgt Ion:184 Resp: 693

Ion Ratio Lower Upper

184 100

185 79.1 13.6 20.4#

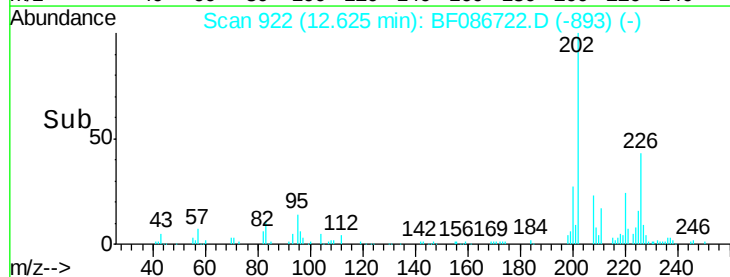
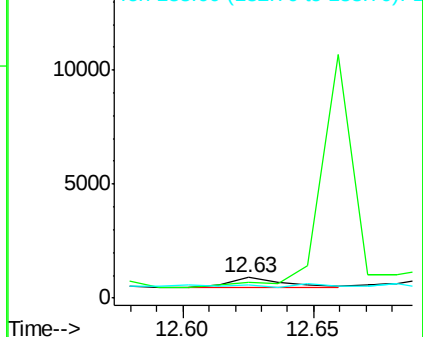
183 61.7 9.8 14.6#

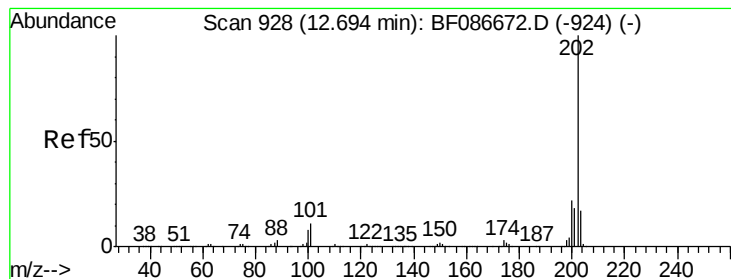


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 168.58 ng

RT: 12.71 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

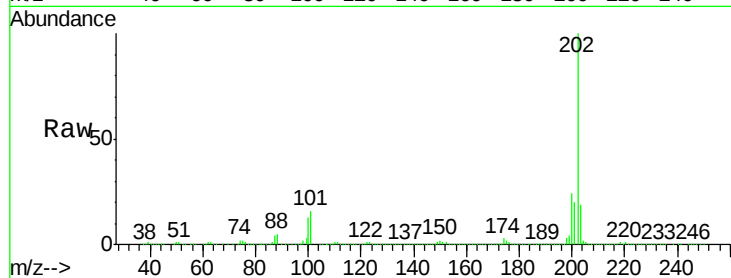
Tgt Ion:202 Resp: 3655016

Ion Ratio Lower Upper

202 100

200 23.9 17.7 26.5

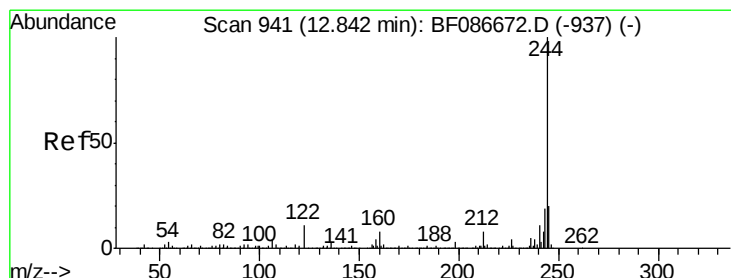
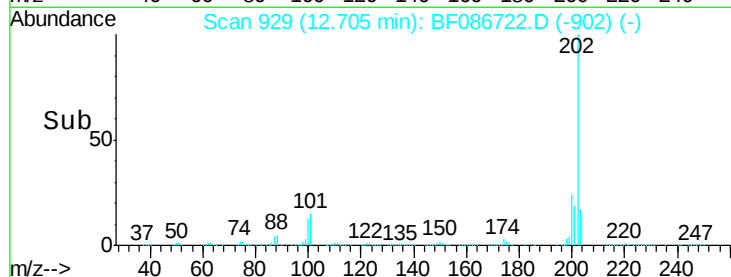
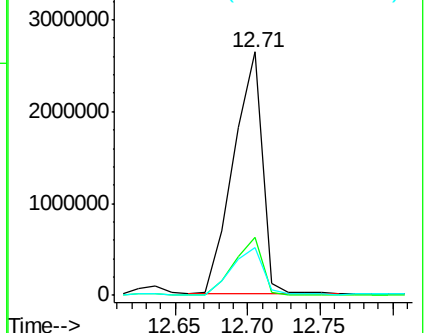
203 19.4 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.30 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

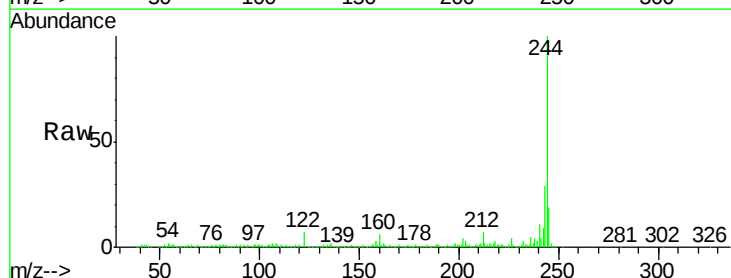
Tgt Ion:244 Resp: 946013

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

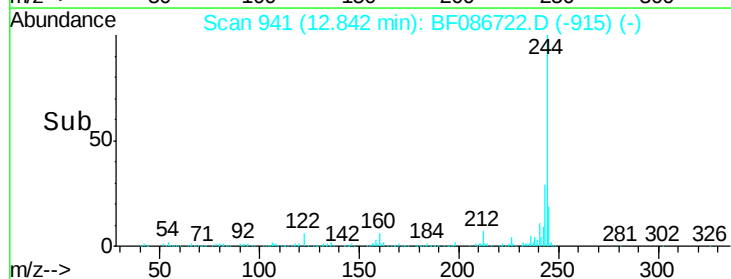
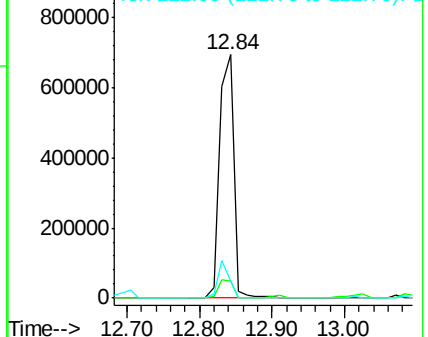
122 6.8 12.0 18.0#

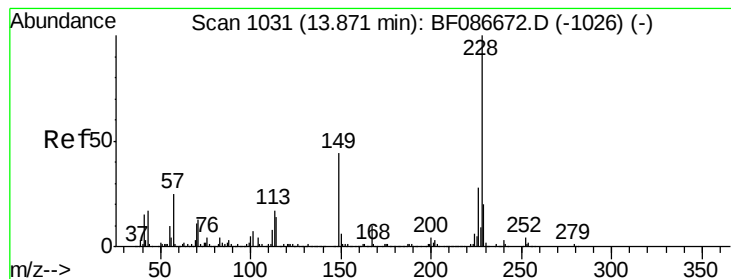


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 104.61 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

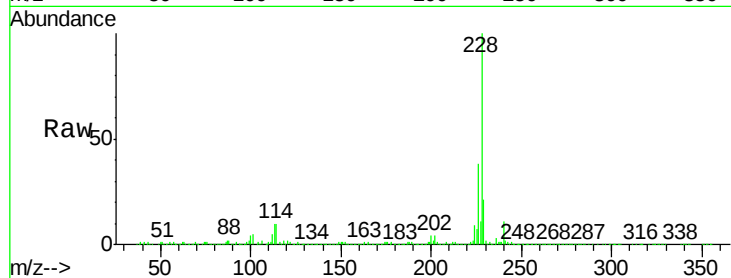
Tgt Ion:228 Resp: 1609081

Ion Ratio Lower Upper

228 100

226 38.1 22.5 33.7#

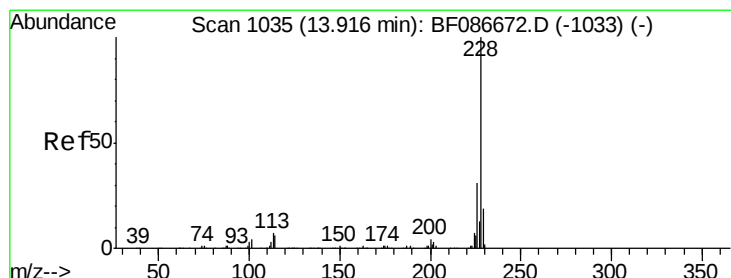
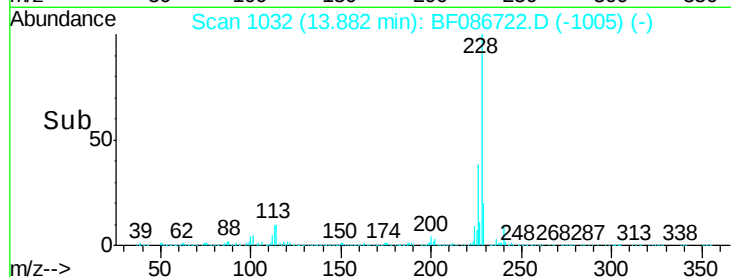
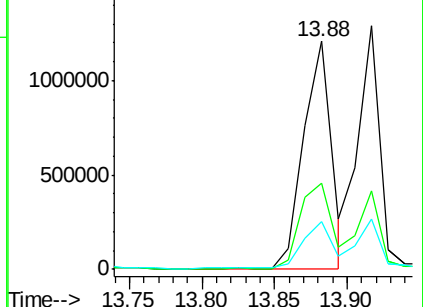
229 20.8 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 98.06 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

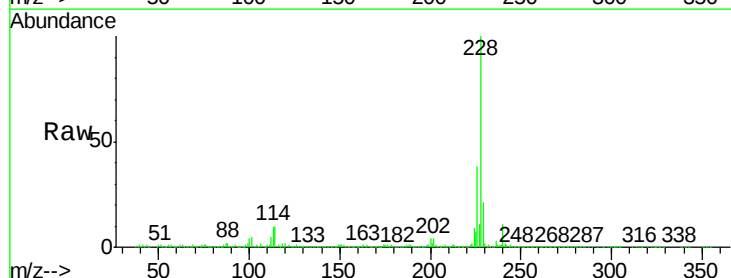
Tgt Ion:228 Resp: 1609081

Ion Ratio Lower Upper

228 100

226 38.1 24.4 36.6#

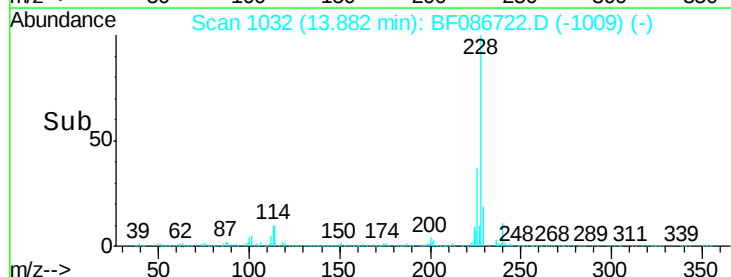
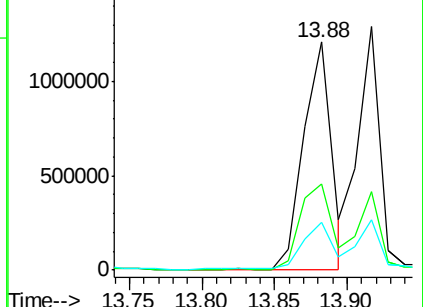
229 20.8 15.8 23.8

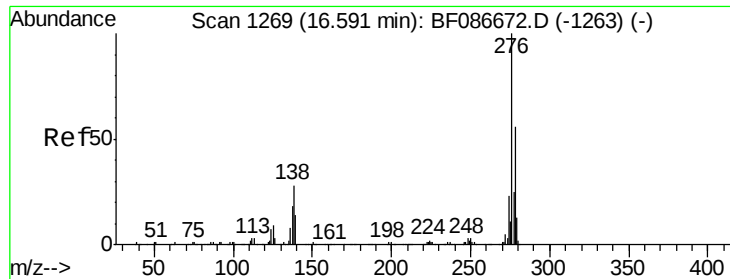


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 22.55 ng

RT: 16.59 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

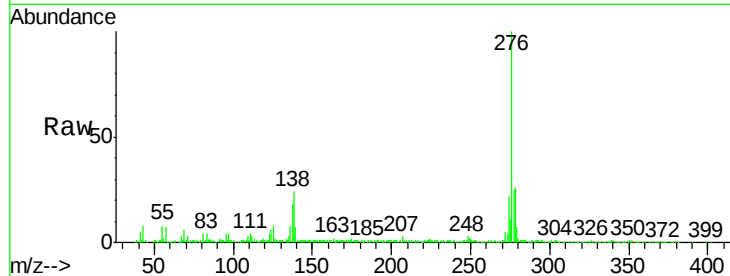
Tgt Ion:276 Resp: 317511

Ion Ratio Lower Upper

276 100

138 22.6 25.6 38.4#

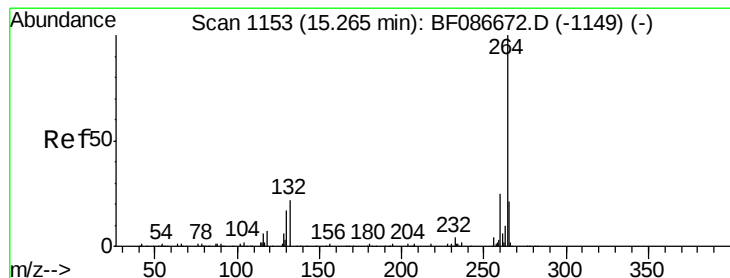
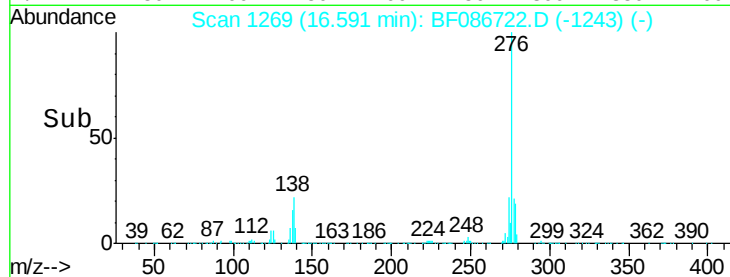
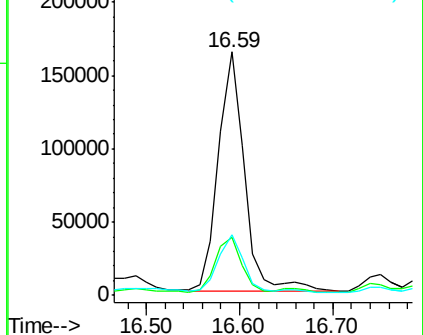
277 23.1 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 40.00 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

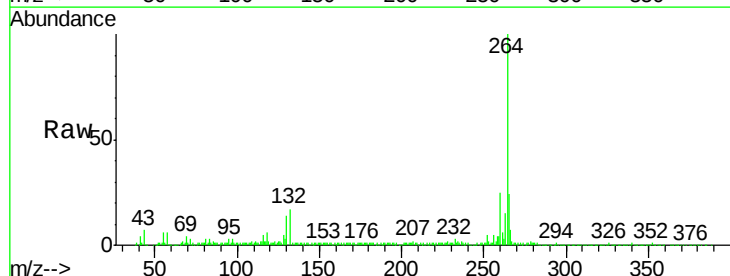
Tgt Ion:264 Resp: 292044

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

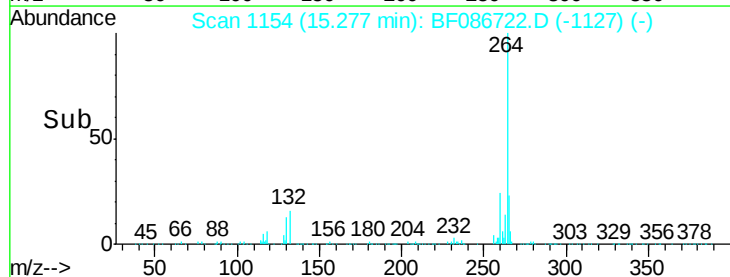
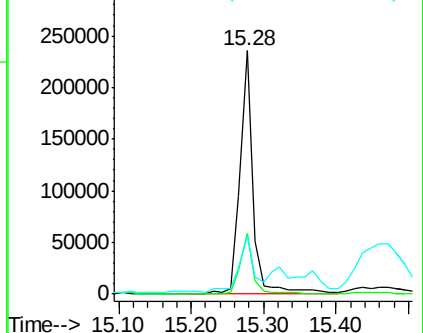
265 24.0 17.3 25.9

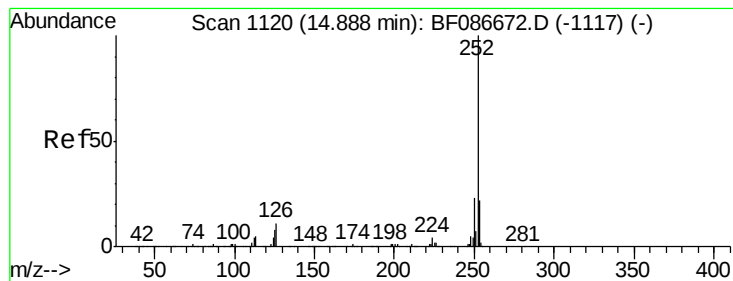


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 69.44 ng

RT: 14.89 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

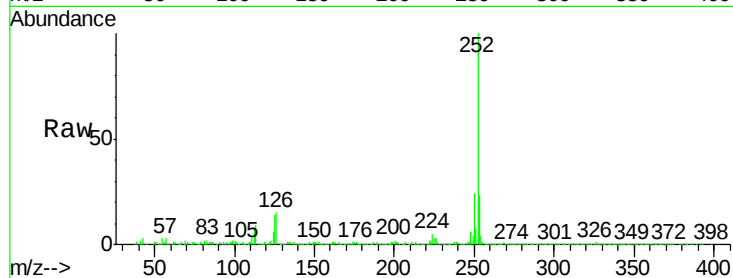
Tgt Ion:252 Resp: 1218620

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

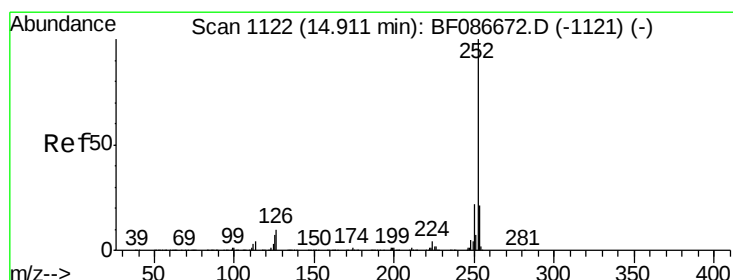
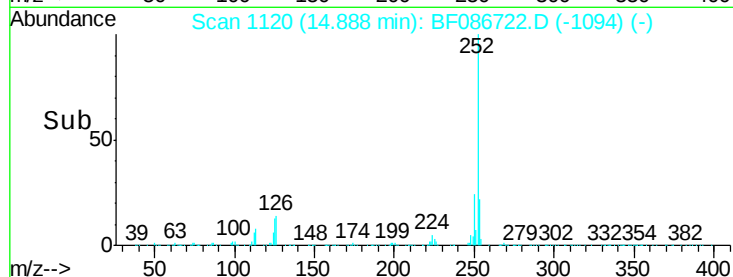
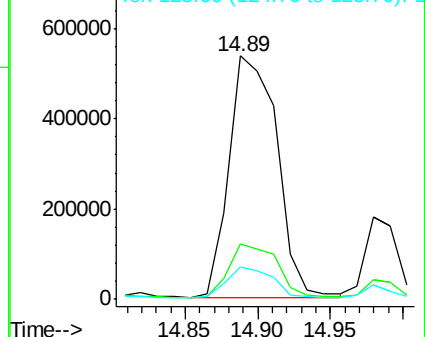
125 13.5 11.4 17.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 73.70 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

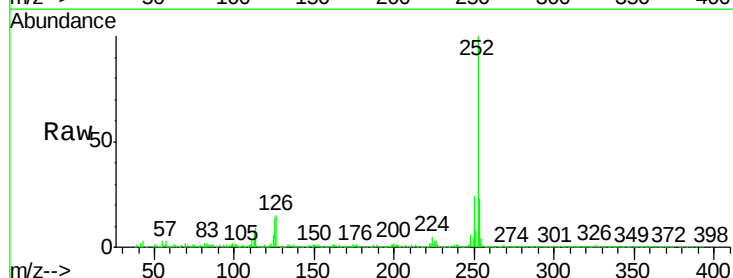
Tgt Ion:252 Resp: 1218620

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

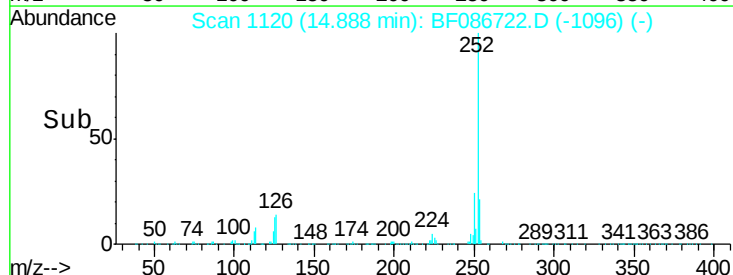
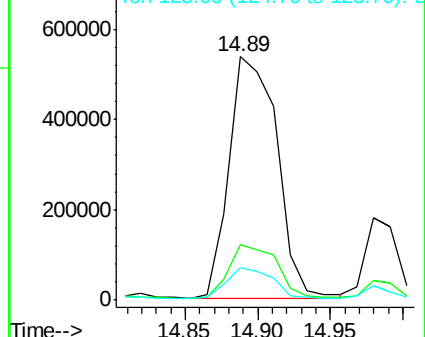
125 13.5 9.1 13.7

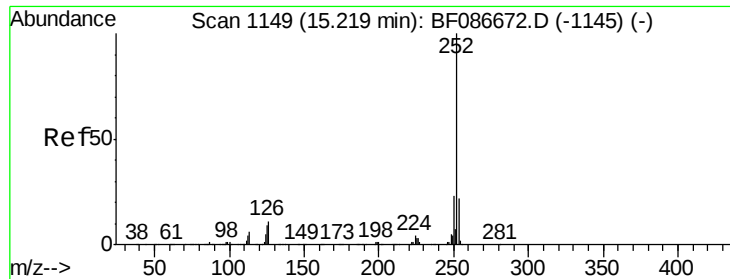


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 61.20 ng

RT: 15.22 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

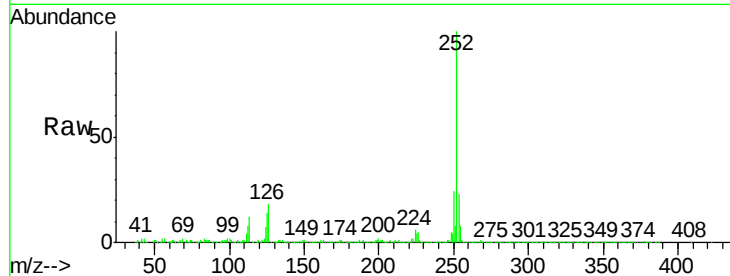
Tgt Ion:252 Resp: 989179

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

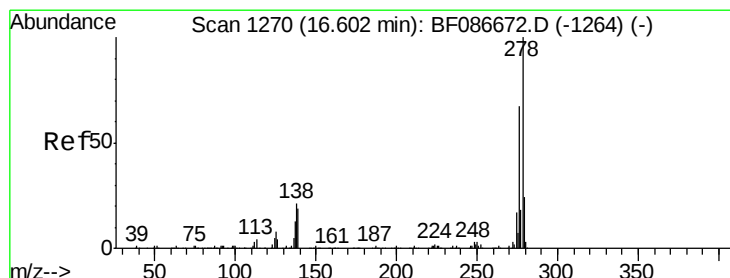
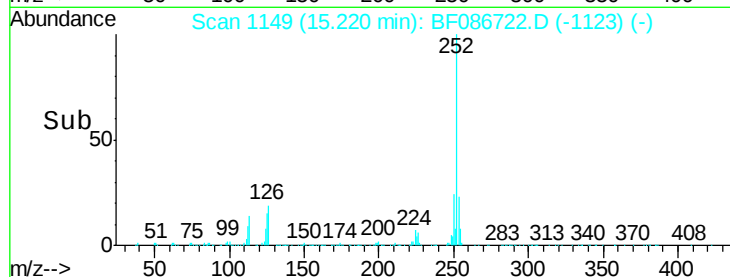
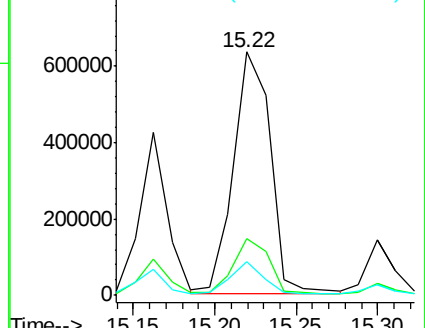
125 13.9 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 5.66 ng

RT: 16.60 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF086722.D

Acq: 5 May 2016 23:12

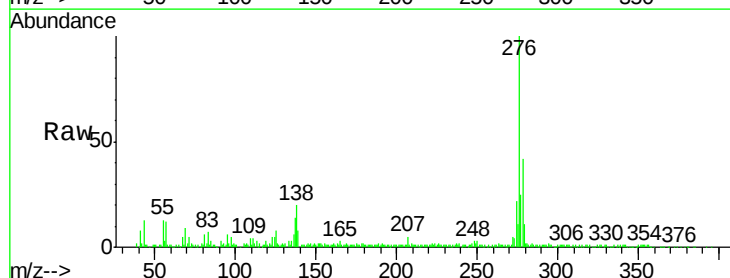
Tgt Ion:278 Resp: 87901

Ion Ratio Lower Upper

278 100

139 18.7 16.6 24.8

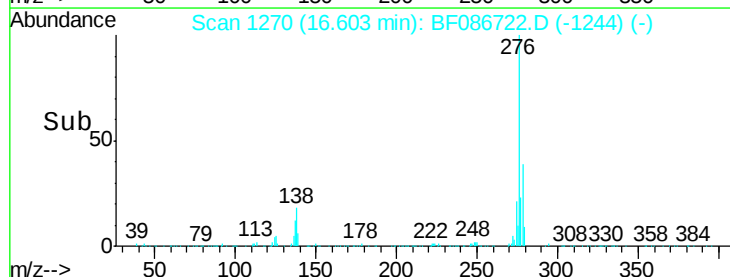
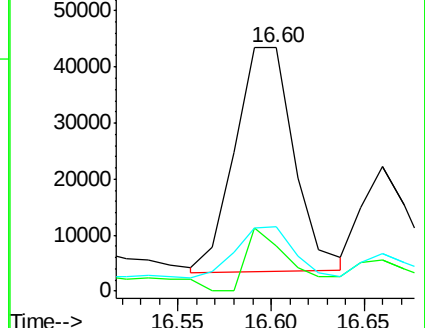
279 26.4 19.6 29.4

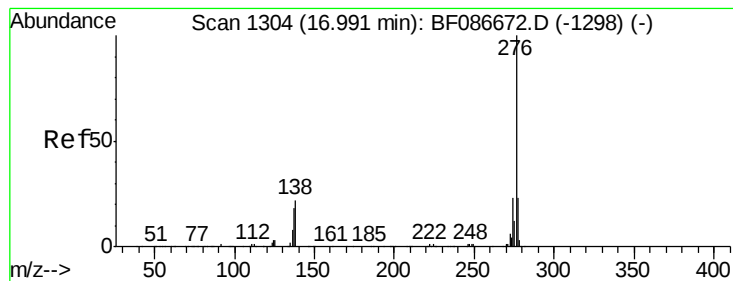


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 7.08 ng

RT: 17.20 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF086722.D

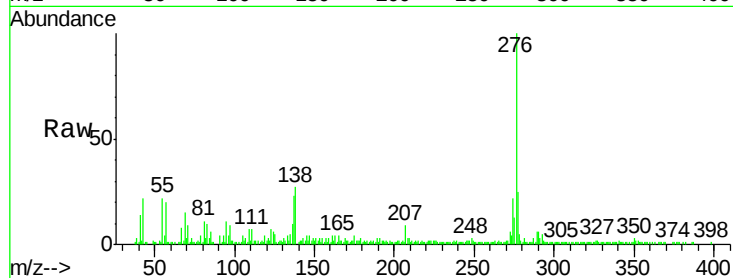
Acq: 5 May 2016 23:12

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP



Tgt Ion: 276 Resp: 115499

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 26.5 23.6 35.4

