

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040416\
 Data File : BF086050.D
 Acq On : 4 Apr 2016 21:14
 Operator : UM/SJ
 Sample : H2180-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401

Quant Time: Apr 05 01:03:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	110916	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	404122	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	174025	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	273086	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	209843	20.00	ng	-0.01
86) Perylene-d12	15.32	264	159241	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	500088	77.07	ng	-0.01
7) Phenol-d6	6.41	99	431589	52.36	ng	-0.01
23) Nitrobenzene-d5	7.33	82	612868	89.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	172934	105.87	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1015491	97.02	ng	-0.01
78) Terphenyl-d14	12.86	244	710651	79.61	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.53	93	792	0.07	ng	# 1
9) Benzaldehyde	6.53	77	16023	3.61	ng	85
10) Phenol	6.53	94	1246	0.13	ng	# 1
11) bis(2-Chloroethyl)ether	6.53	93	792	0.11	ng	# 1
15) Benzyl Alcohol	6.92	79	9928	1.86	ng	# 45
19) n-Nitroso-di-n-propylamine	7.33	70	81446	15.94	ng	# 77
22) Acetophenone	7.18	105	6770	0.71	ng	# 92
24) Nitrobenzene	7.33	77	1868	0.25	ng	# 39
25) Isophorone	7.33	82	478661	35.39	ng	# 68
30) 1,2,4-Trichlorobenzene	8.00	180	258	0.04	ng	# 82
31) Naphthalene	8.06	128	244	0.01	ng	# 68
45) 1,1'-Biphenyl	9.13	154	1989	0.13	ng	# 1
47) 2-Nitroaniline	9.13	65	1697	0.53	ng	# 1
48) Acenaphthylene	9.65	152	573	0.03	ng	# 60
50) 2,6-Dinitrotoluene	9.80	165	22000	8.06	ng	# 19
51) Acenaphthene	9.80	154	759	0.07	ng	# 4
56) 2,4-Dinitrotoluene	9.80	165	22000	6.38	ng	# 37
57) Fluorene	10.59	166	8654	0.74	ng	# 92
59) Diethylphthalate	10.22	149	2961	0.23	ng	99
62) Azobenzene	10.59	77	1022	0.08	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.59	198	364	0.22	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	5659	0.66	ng	# 42
66) 4-Bromophenyl-phenylether	10.59	248	12497	4.48	ng	# 1
70) Phenanthrene	11.31	178	553	0.04	ng	# 59
71) Anthracene	11.31	178	553	0.04	ng	# 59
72) Carbazole	11.53	167	223	0.02	ng	# 58
73) Di-n-butylphthalate	11.85	149	6510	0.39	ng	99
74) Fluoranthene	12.50	202	237	0.02	ng	60
77) Pyrene	12.72	202	206	0.01	ng	# 57
79) Butylbenzylphthalate	13.33	149	693	0.10	ng	# 1
80) Benzo(a)anthracene	13.92	228	725	0.06	ng	# 44
82) Chrysene	13.92	228	725	0.06	ng	# 49
83) Bis(2-ethylhexyl)phthalate	13.89	149	1460	0.17	ng	# 66
84) Di-n-octyl phthalate	14.48	149	494	0.04	ng	# 78

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Response via : Initial Calibration

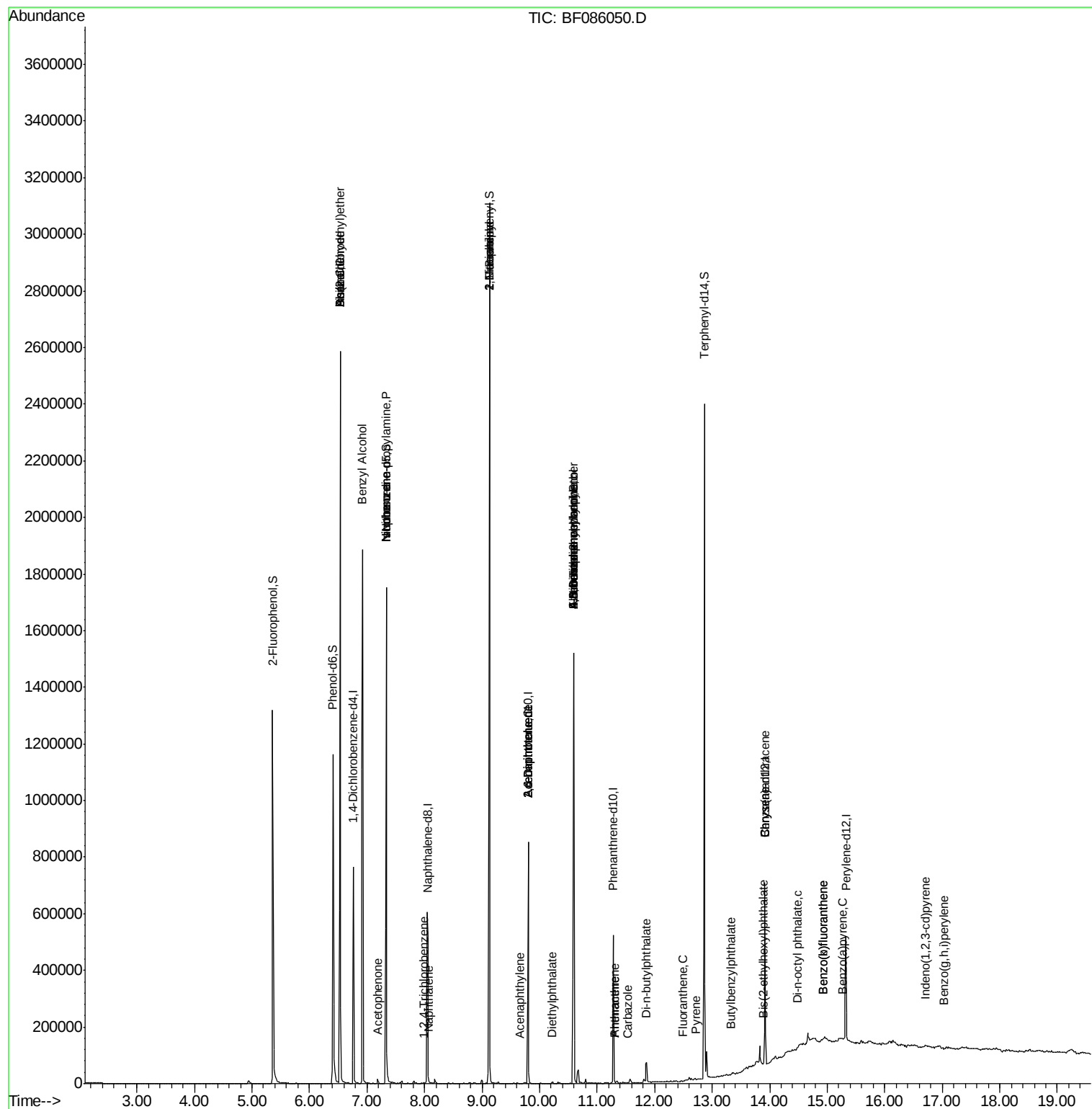
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	16.71	276	208	0.02	ng	# 47
87) Benzo(b)fluoranthene	14.93	252	1954	0.20	ng	# 1
88) Benzo(k)fluoranthene	14.93	252	1954	0.22	ng	# 1
89) Benzo(a)pyrene	15.27	252	817	0.09	ng	# 1
91) Benzo(g,h,i)perylene	17.03	276	214	0.03	ng	# 1

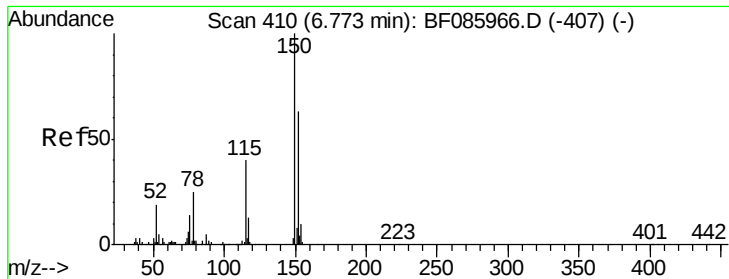
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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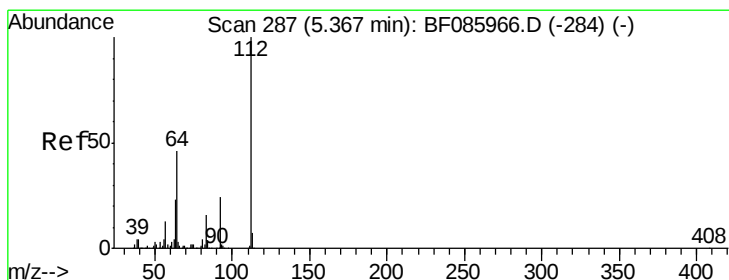
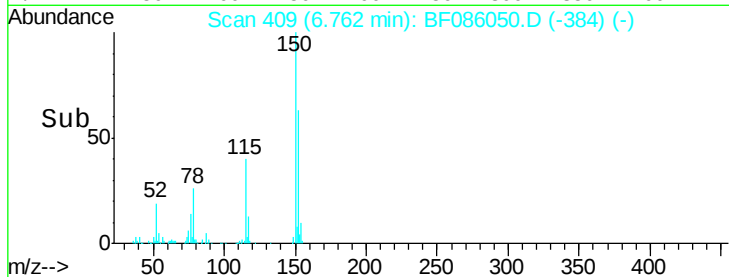
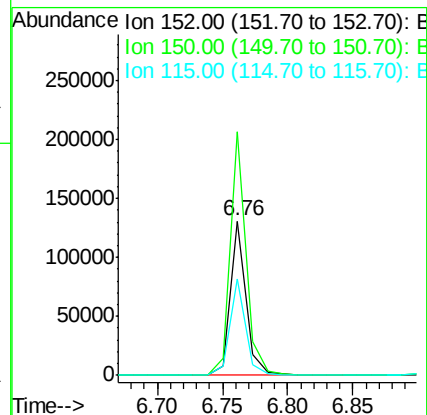
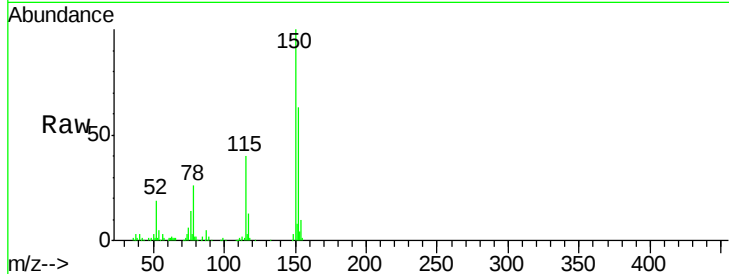


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Instrument :
BNA_F
ClientSampleId :
FB-20160401

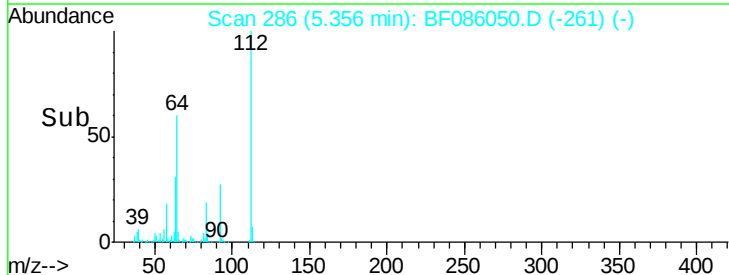
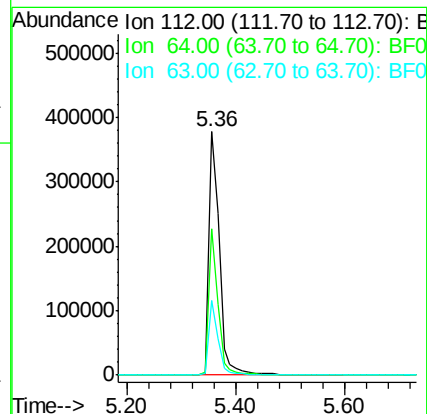
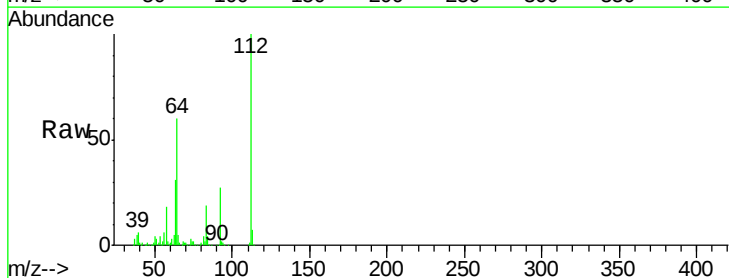
Tgt Ion:152 Resp: 110916
Ion Ratio Lower Upper
152 100
150 157.6 124.2 186.2
115 62.7 47.0 70.6

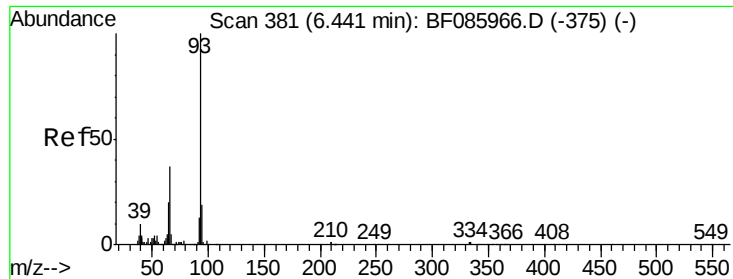


#5

2-Fluorophenol
Concen: 77.07 ng
RT: 5.36 min Scan# 286
Delta R.T. -0.01 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Tgt Ion:112 Resp: 500088
Ion Ratio Lower Upper
112 100
64 60.4 39.9 59.9#
63 30.7 20.2 30.2#





#6

Aniline

Concen: 0.07 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.09 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

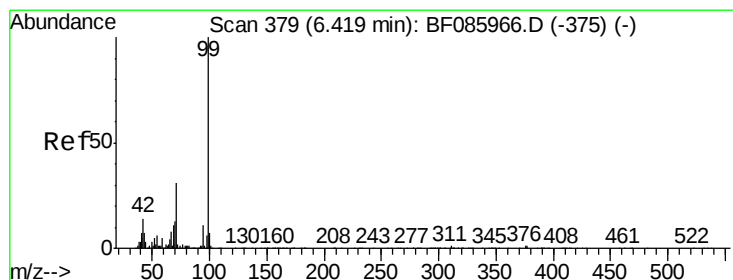
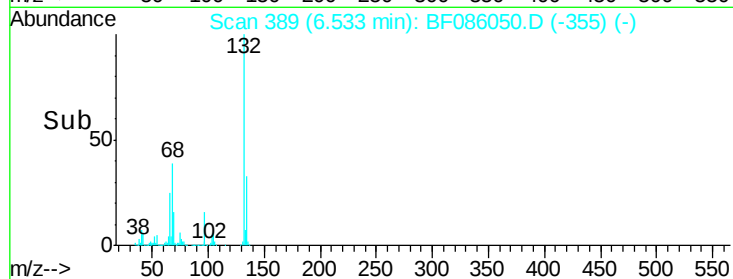
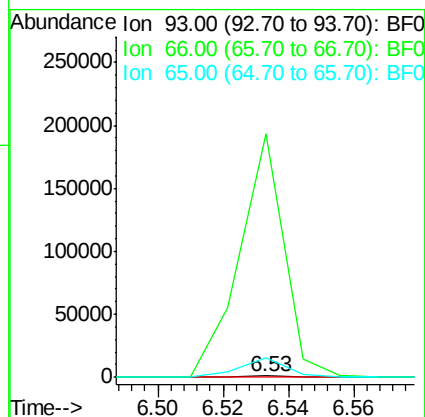
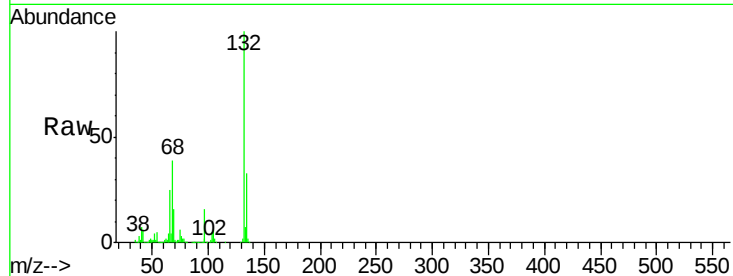
Tgt Ion: 93 Resp: 792

Ion Ratio Lower Upper

93 100

66 16739.7 31.4 47.2#

65 1385.7 15.7 23.5#



#7

Phenol-d6

Concen: 52.36 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

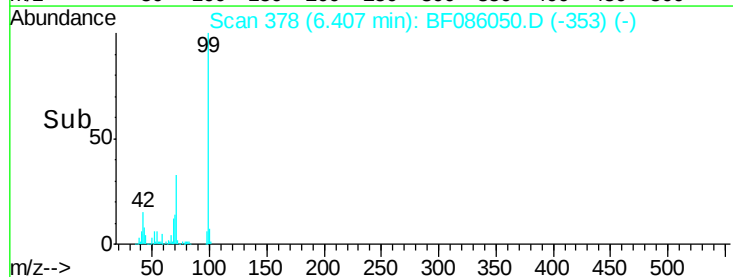
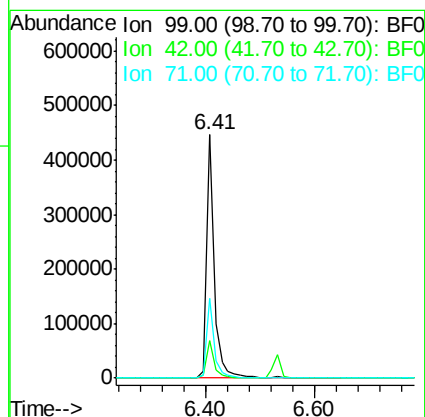
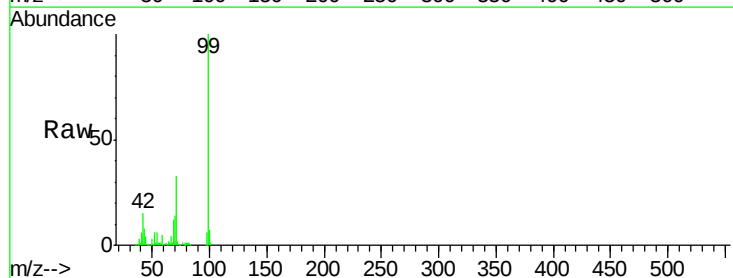
Tgt Ion: 99 Resp: 431589

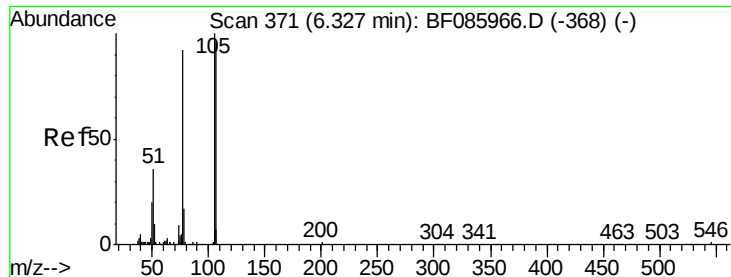
Ion Ratio Lower Upper

99 100

42 15.5 11.1 16.7

71 32.5 24.9 37.3





#9

Benzaldehyde

Concen: 3.61 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

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ClientSampleId :

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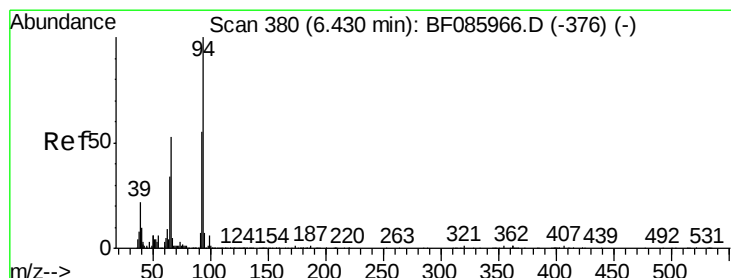
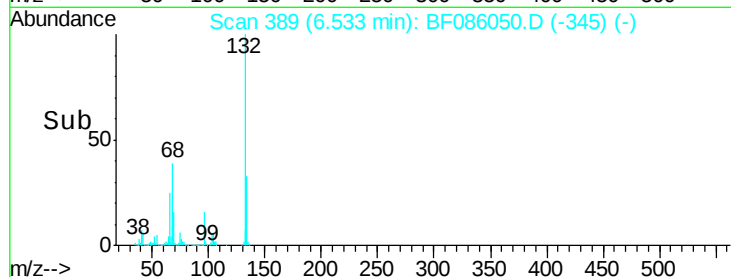
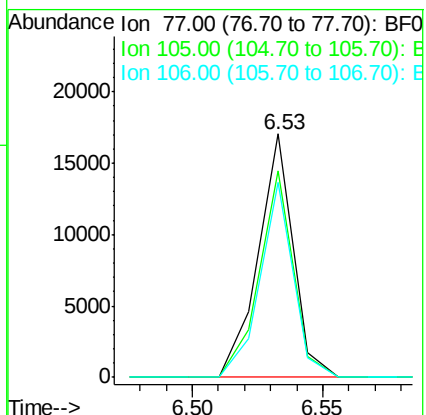
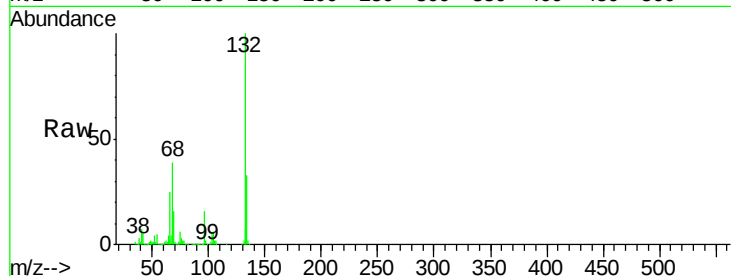
Tgt Ion: 77 Resp: 16023

Ion Ratio Lower Upper

77 100

105 84.7 80.1 120.1

106 79.9 75.0 115.0



#10

Phenol

Concen: 0.13 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.10 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

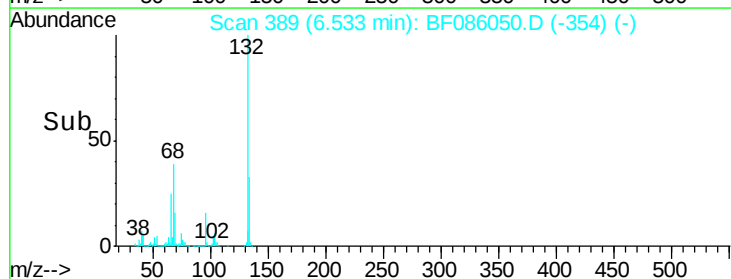
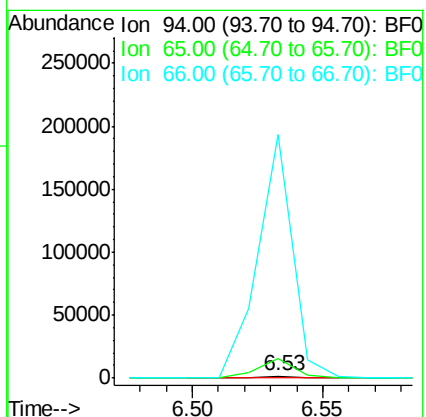
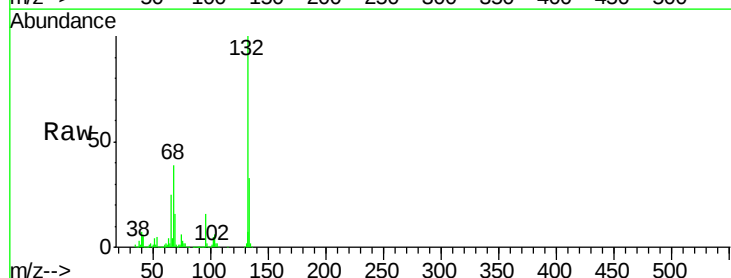
Tgt Ion: 94 Resp: 1246

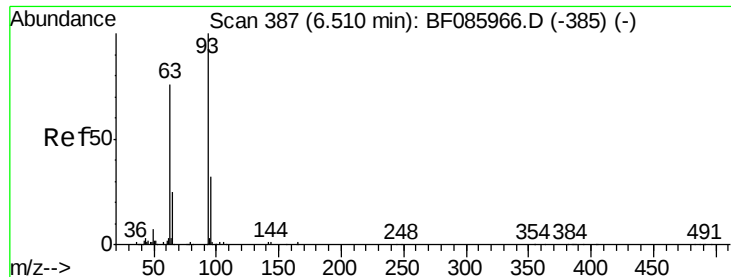
Ion Ratio Lower Upper

94 100

65 1157.3 8.6 48.6#

66 13980.0 20.0 60.0#

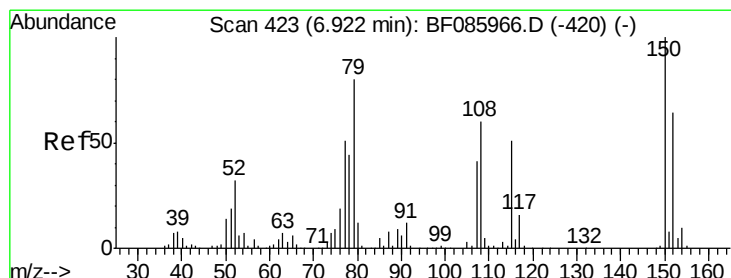
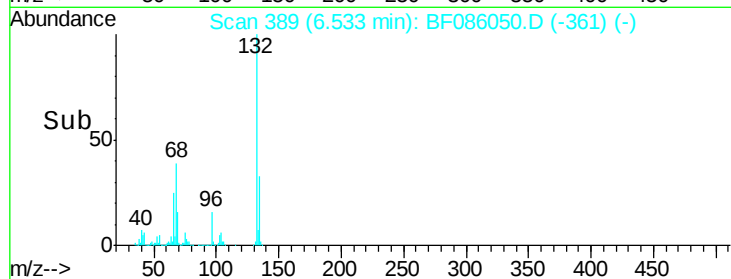
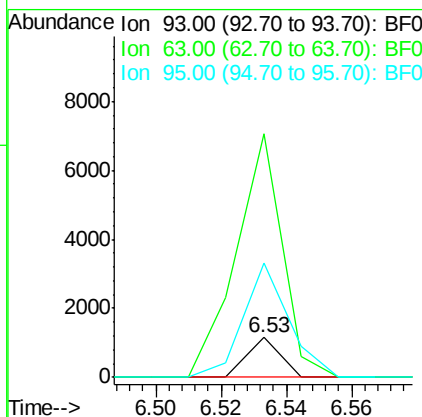
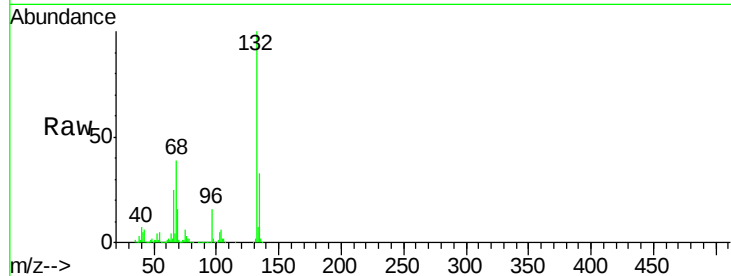




#11
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 6.53 min Scan# 389
Delta R.T. 0.02 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

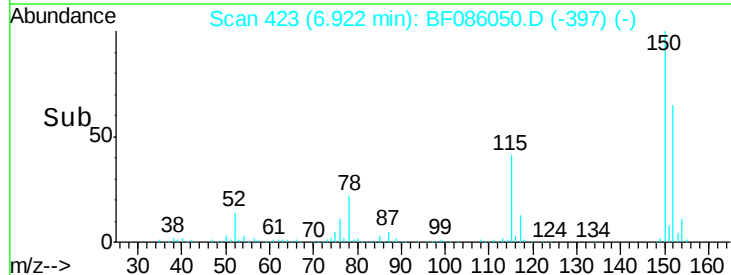
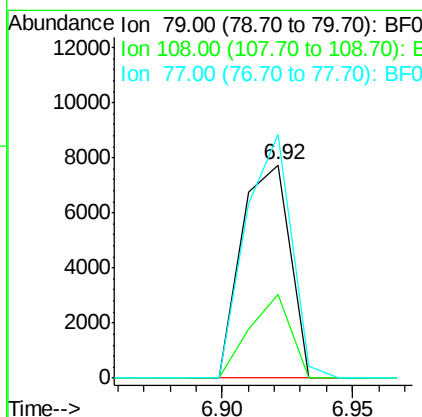
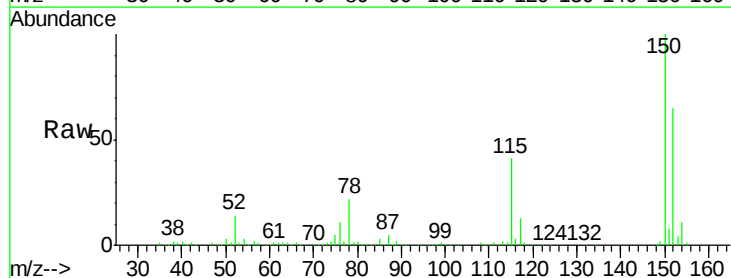
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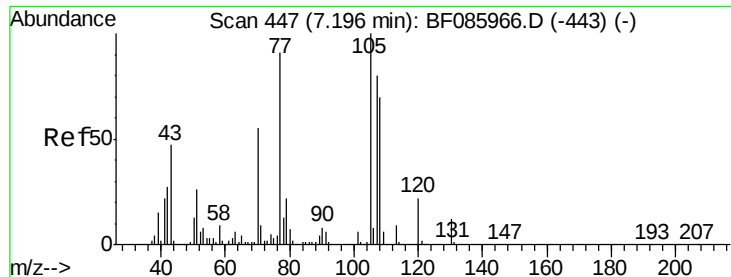
Tgt Ion: 93 Resp: 792
Ion Ratio Lower Upper
93 100
63 611.3 50.9 90.9#
95 287.4 13.3 53.3#



#15
Benzyl Alcohol
Concen: 1.86 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Tgt Ion: 79 Resp: 9928
Ion Ratio Lower Upper
79 100
108 39.2 61.8 92.6#
77 114.2 49.6 74.4#

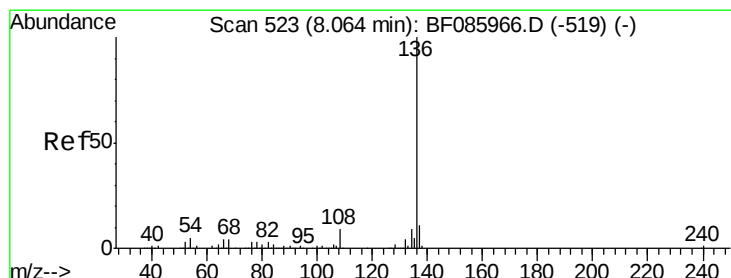
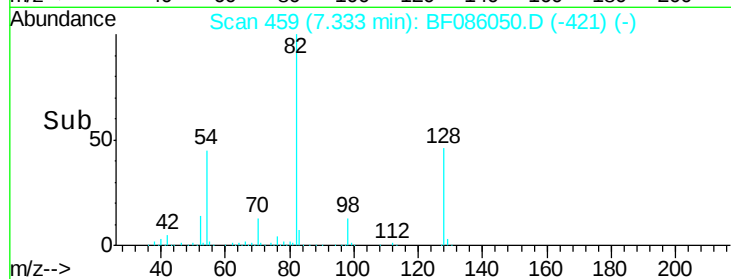
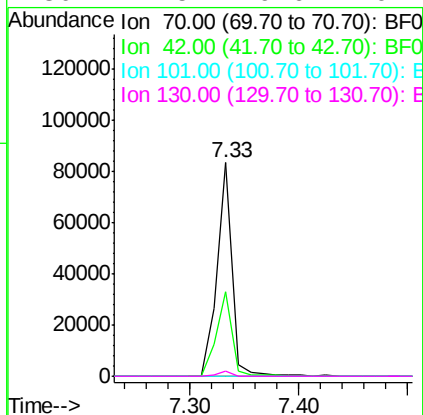
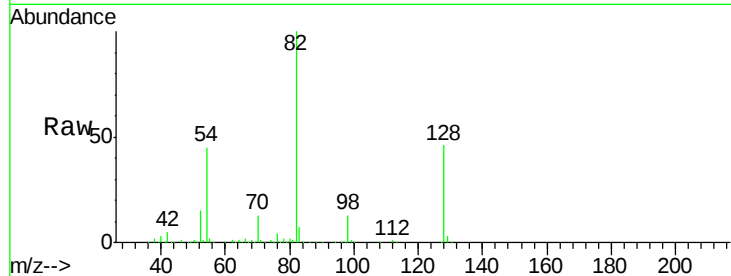




#19
 n-Nitroso-di-n-propylamine
 Concen: 15.94 ng
 RT: 7.33 min Scan# 459
 Delta R.T. 0.14 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

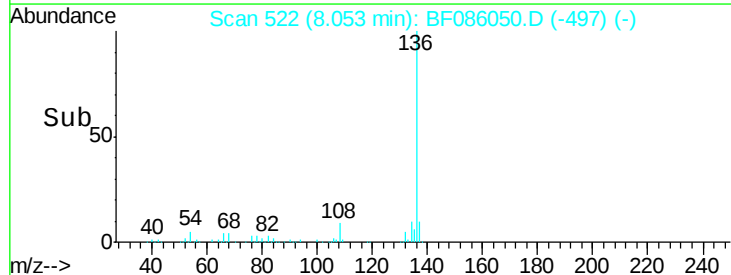
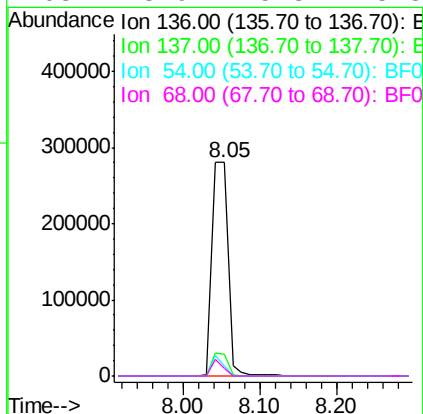
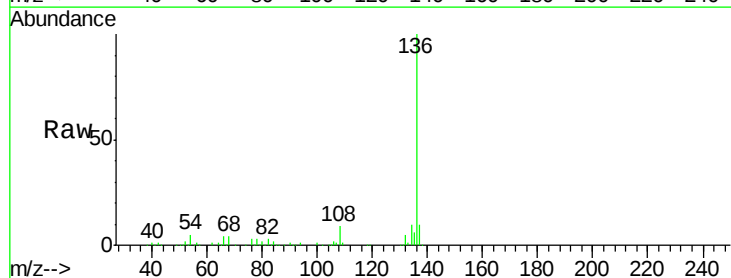
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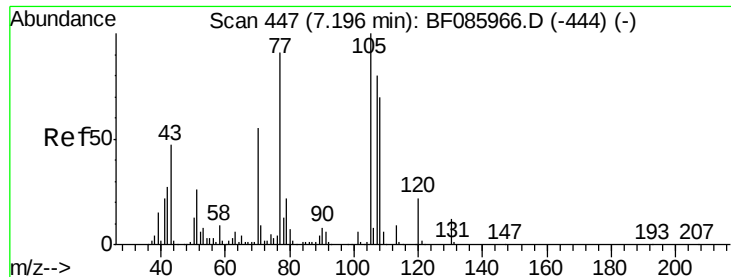
Tgt Ion: 70 Resp: 81446
 Ion Ratio Lower Upper
 70 100
 42 39.4 37.1 55.7
 101 0.0 8.6 12.8#
 130 2.5 19.6 29.4#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Tgt Ion: 136 Resp: 404122
 Ion Ratio Lower Upper
 136 100
 137 10.2 9.1 13.7
 54 4.6 7.4 11.0#
 68 3.9 5.8 8.8#





#22

Acetophenone

Concen: 0.71 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

Tgt Ion: 105 Resp: 6770

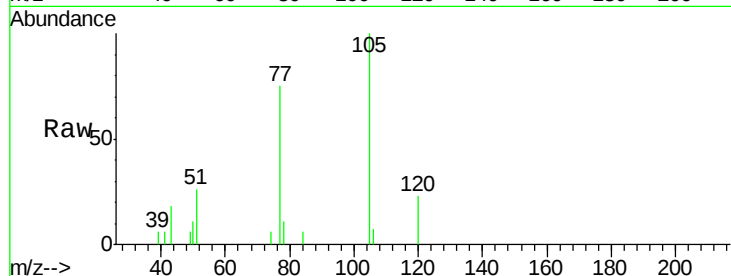
Ion Ratio Lower Upper

105 100

71 0.0 3.6 5.4#

51 26.2 25.4 38.0

120 22.6 16.9 25.3

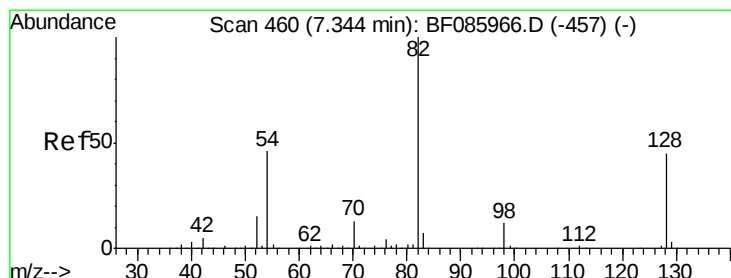
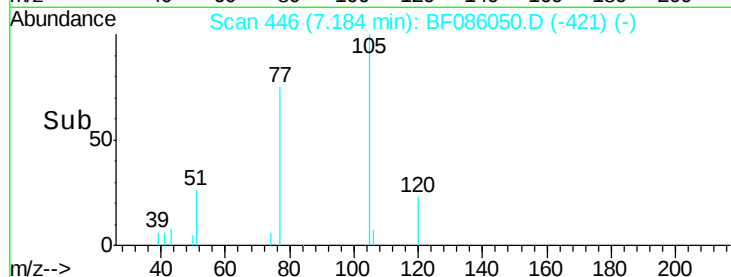
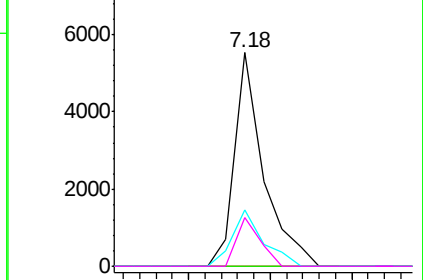


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 89.43 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

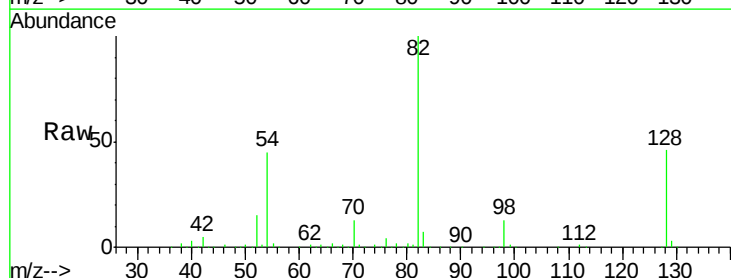
Tgt Ion: 82 Resp: 612868

Ion Ratio Lower Upper

82 100

128 46.4 41.8 62.8

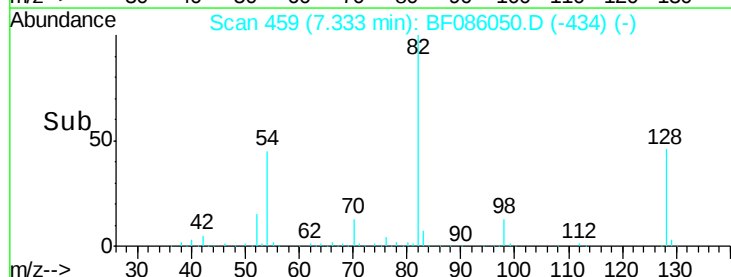
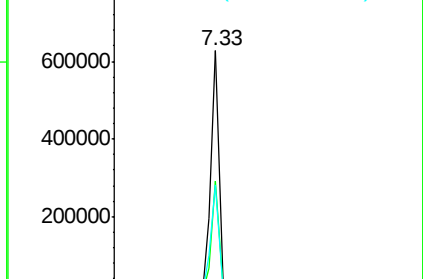
54 44.8 33.4 50.0

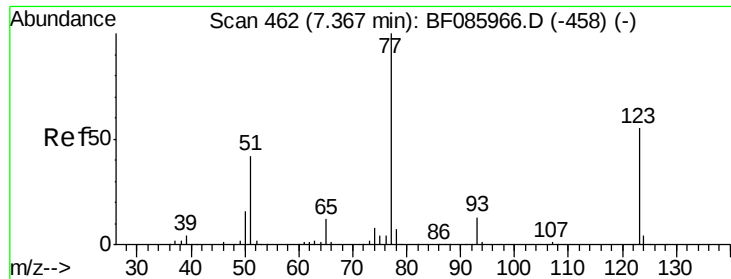


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.25 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.03 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

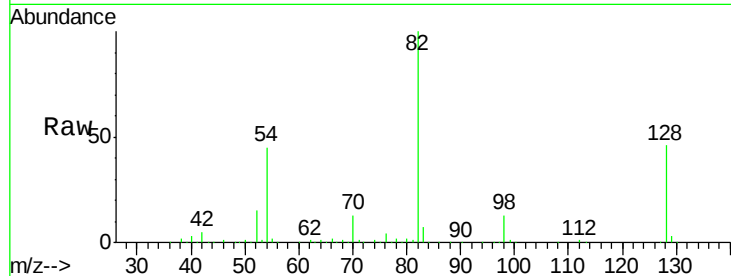
Tgt Ion: 77 Resp: 1868

Ion Ratio Lower Upper

77 100

123 0.0 35.0 52.4#

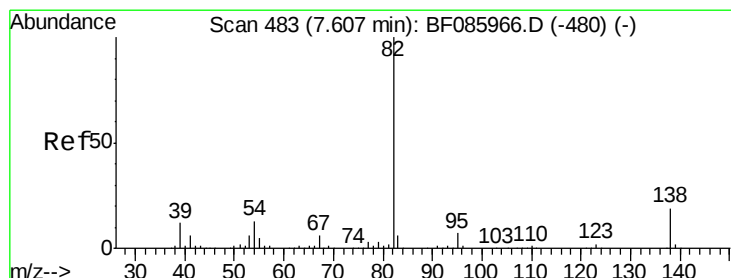
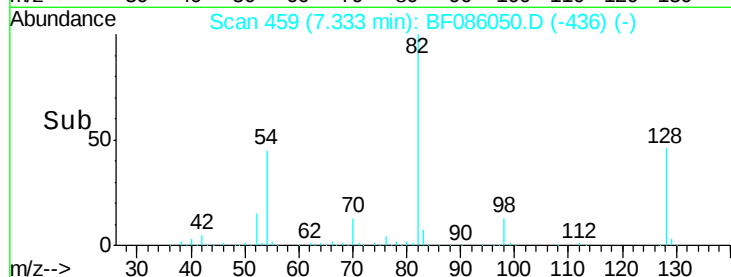
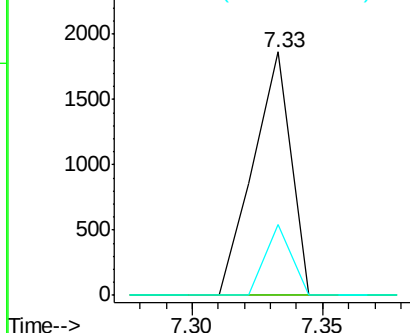
65 29.1 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 35.39 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

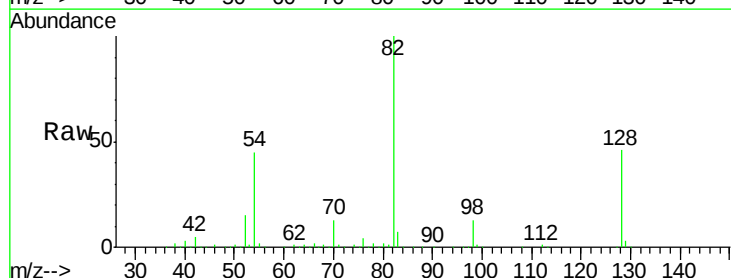
Tgt Ion: 82 Resp: 478661

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

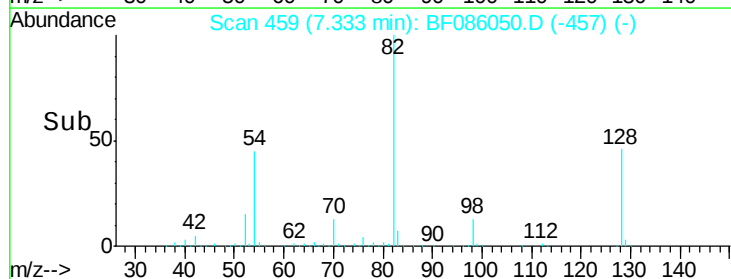
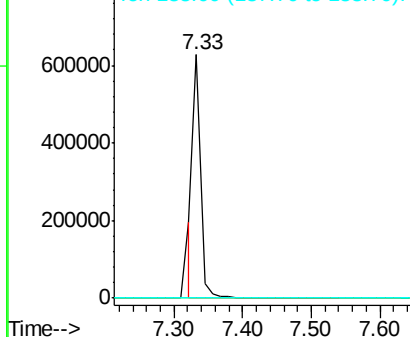
138 0.0 12.9 19.3#

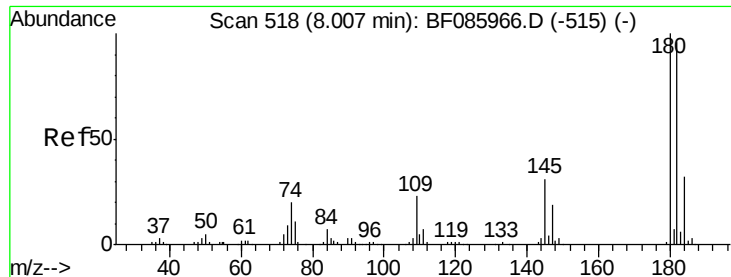


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

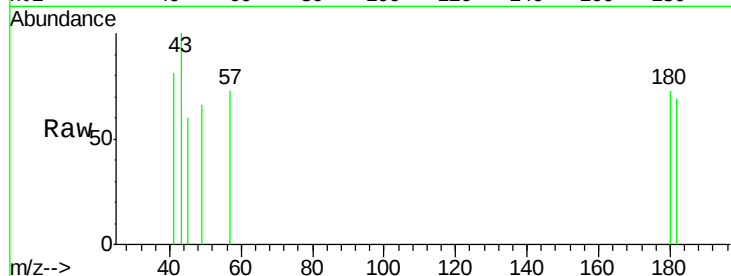




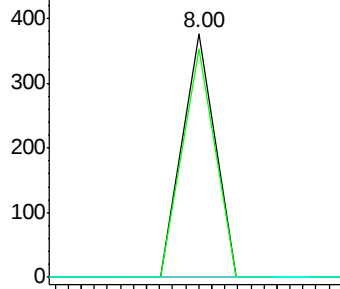
#30
 1,2,4-Trichlorobenzene
 Concen: 0.04 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401

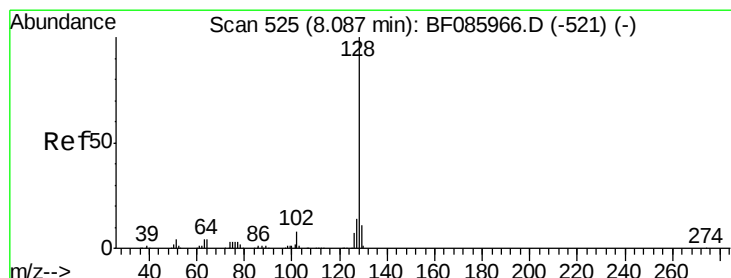
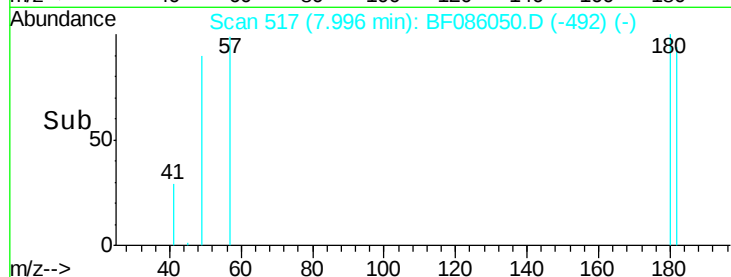
Tgt Ion:180 Resp: 258
 Ion Ratio Lower Upper
 180 100
 182 93.6 73.8 110.8
 145 0.0 28.4 42.6#



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

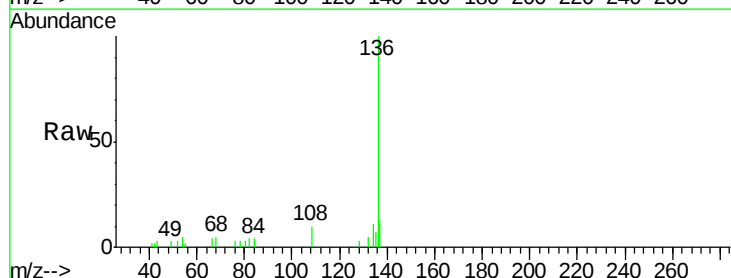


Time--> 7.96 7.98 8.00 8.02

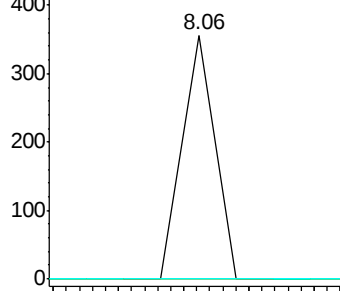


#31
 Naphthalene
 Concen: 0.01 ng
 RT: 8.06 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

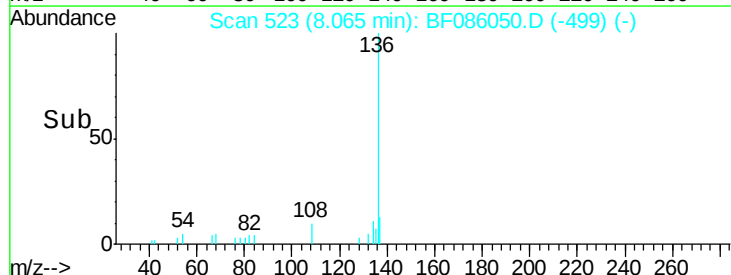
Tgt Ion:128 Resp: 244
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.4 14.0#
 127 0.0 11.0 16.6#

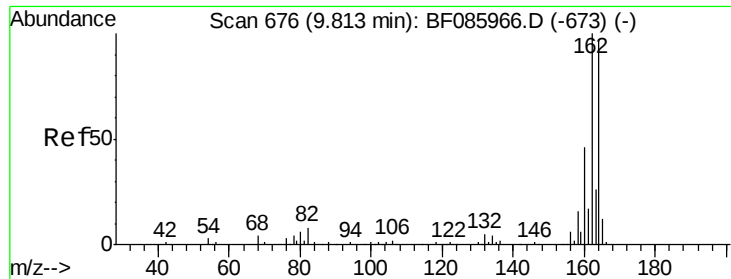


Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E



Time--> 8.02 8.04 8.06 8.08 8.10





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

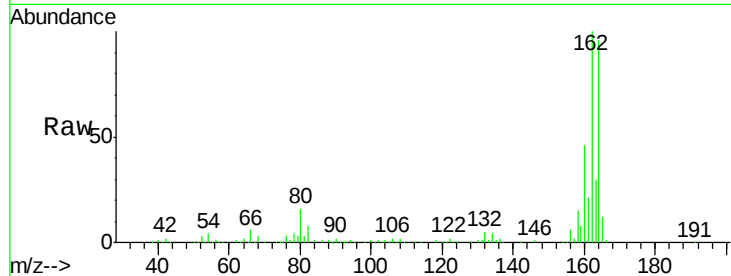
Tgt Ion:164 Resp: 174025

Ion Ratio Lower Upper

164 100

162 104.0 82.1 123.1

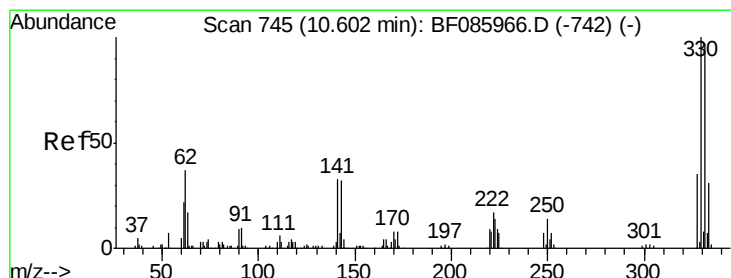
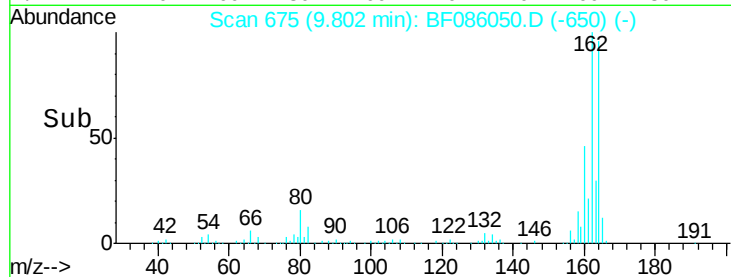
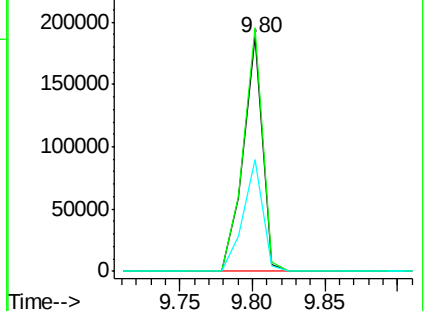
160 47.6 37.4 56.2



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: 105.87 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

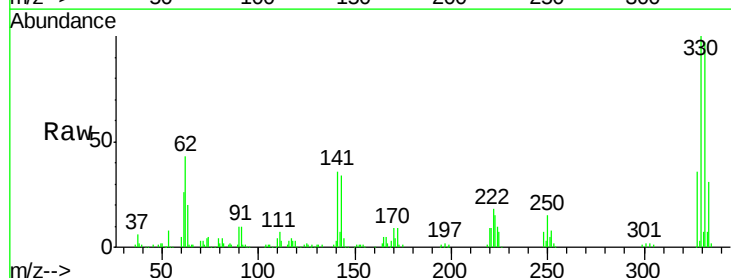
Tgt Ion:330 Resp: 172934

Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.2

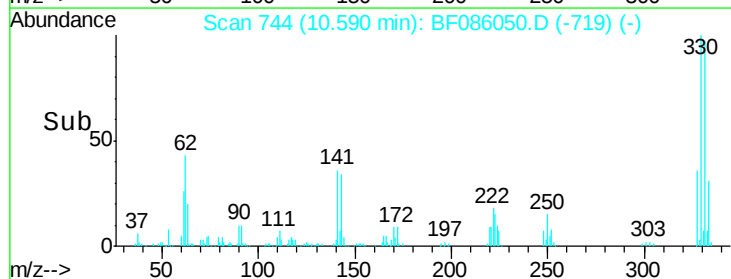
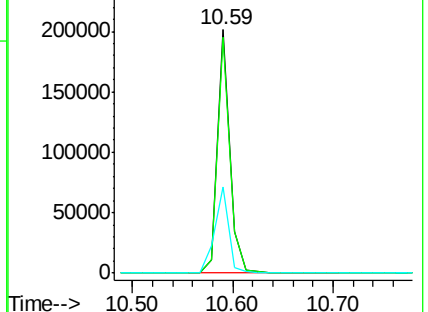
141 39.8 31.5 47.3

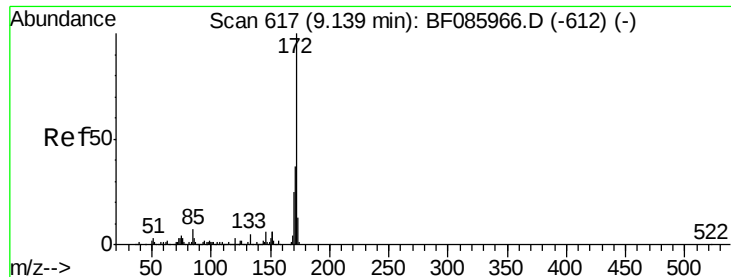


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

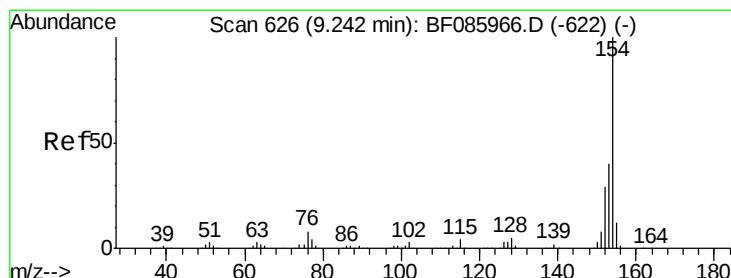
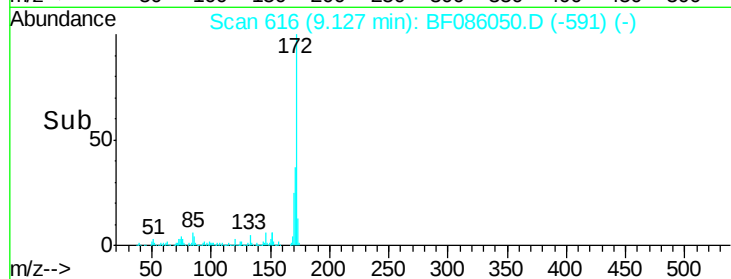
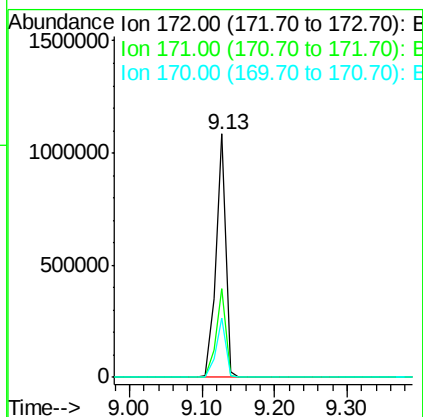
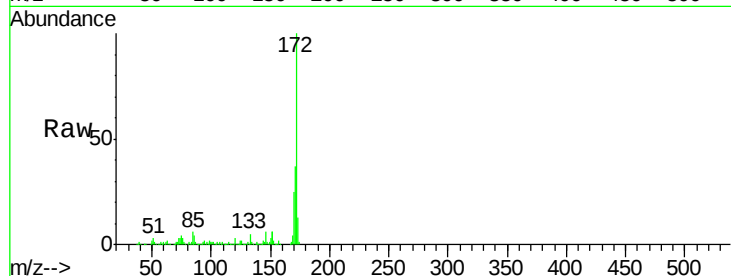




#44
 2-Fluorobiphenyl
 Concen: 97.02 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

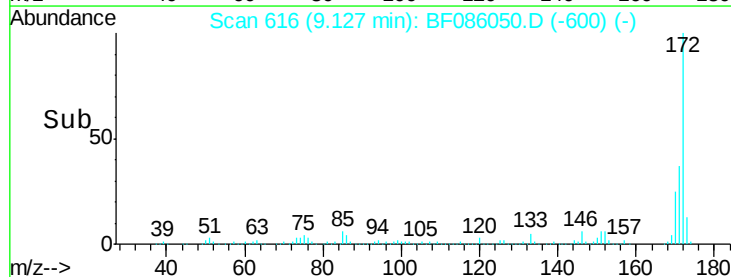
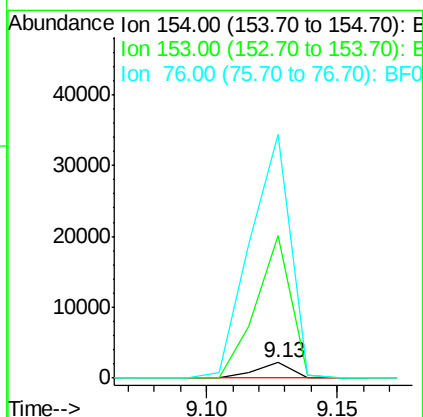
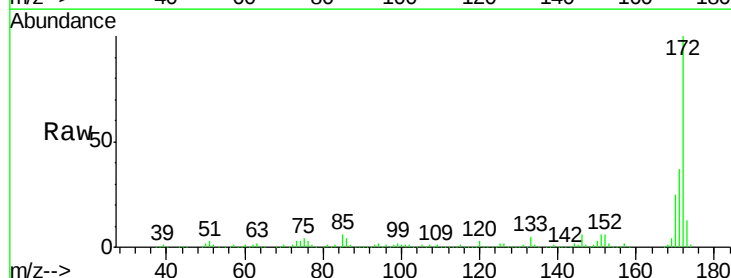
Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401

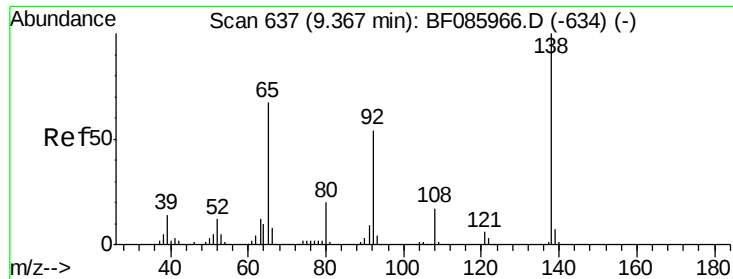
Tgt Ion:172 Resp: 1015491
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.5 19.8 29.6



#45
 1,1'-Biphenyl
 Concen: 0.13 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.11 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Tgt Ion:154 Resp: 1989
 Ion Ratio Lower Upper
 154 100
 153 930.1 20.8 60.8#
 76 1587.1 0.0 36.7#





#47

2-Nitroaniline

Concen: 0.53 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.24 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

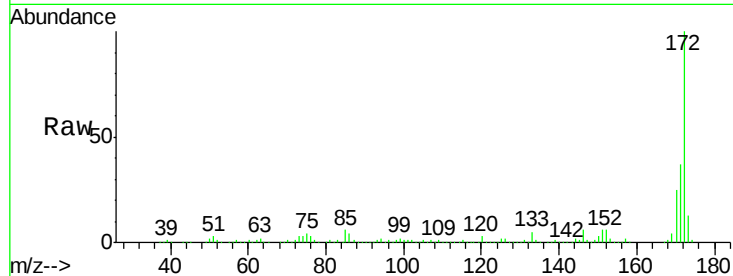
Tgt Ion: 65 Resp: 1697

Ion Ratio Lower Upper

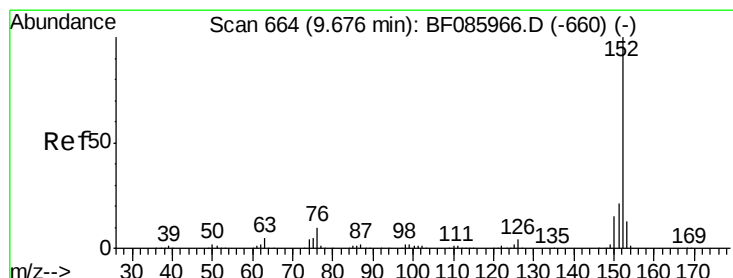
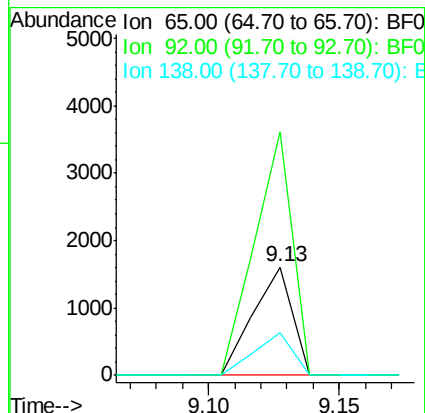
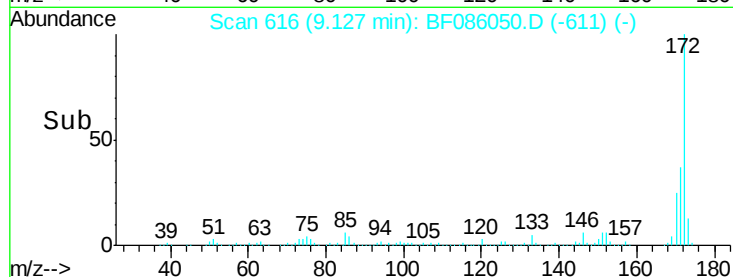
65 100

92 224.5 59.7 89.5#

138 39.5 91.4 137.0#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 0.03 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

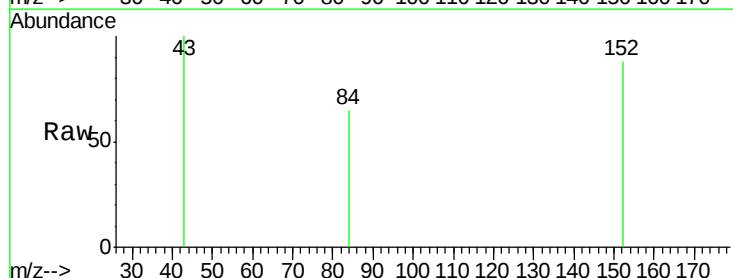
Tgt Ion: 152 Resp: 573

Ion Ratio Lower Upper

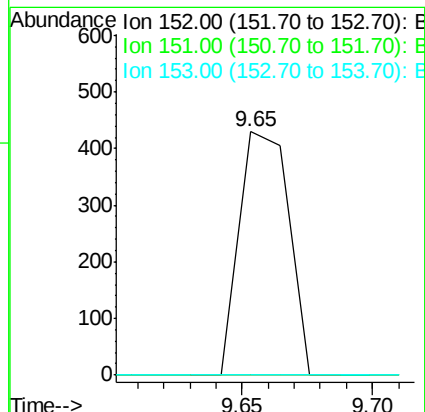
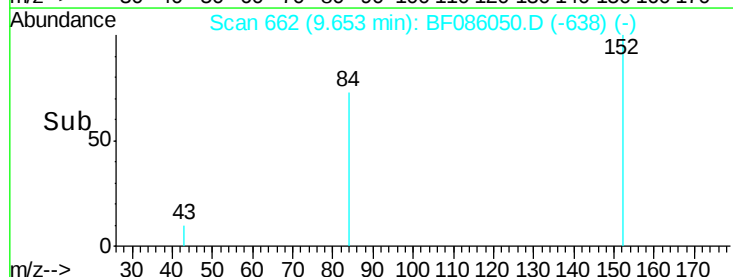
152 100

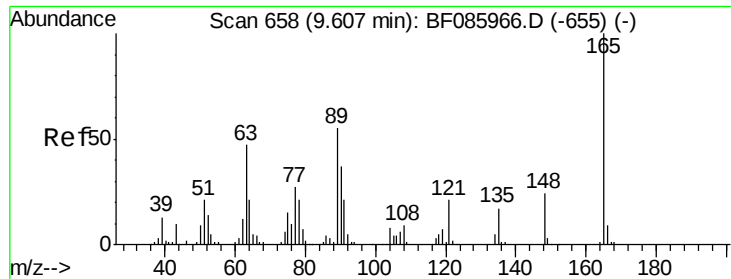
151 0.0 16.8 25.2#

153 0.0 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





#50

2,6-Dinitrotoluene

Concen: 8.06 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.19 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

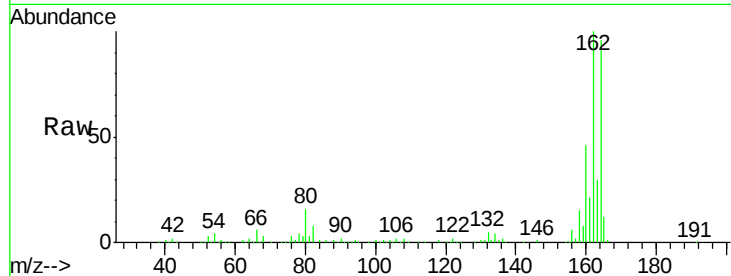
Tgt Ion:165 Resp: 22000

Ion Ratio Lower Upper

165 100

63 1.4 51.8 77.8#

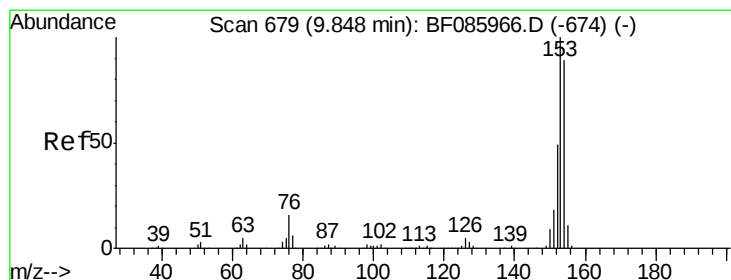
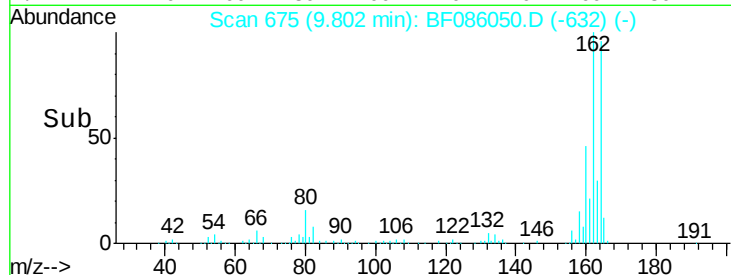
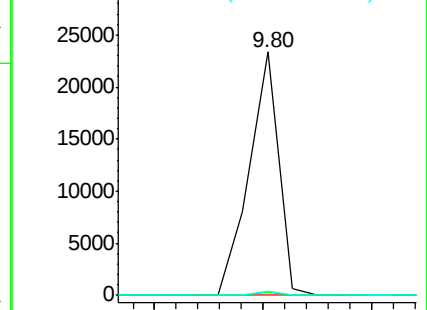
89 1.7 53.7 80.5#



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: 0.07 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

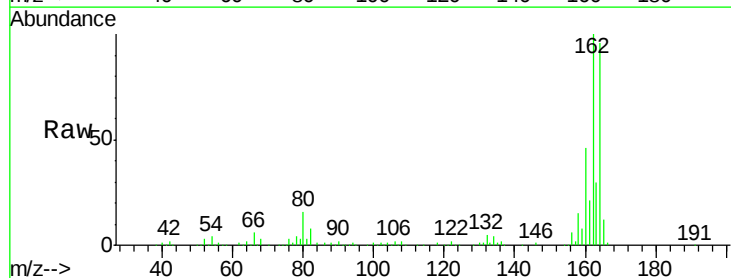
Tgt Ion:154 Resp: 759

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

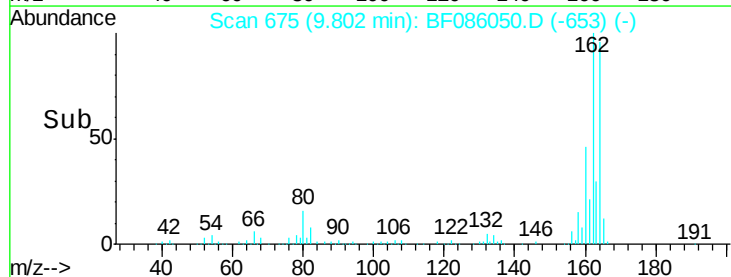
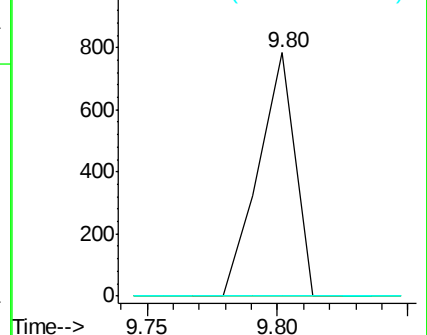
152 0.0 44.2 66.2#

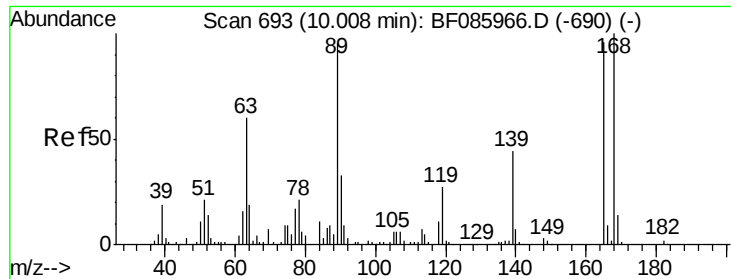


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

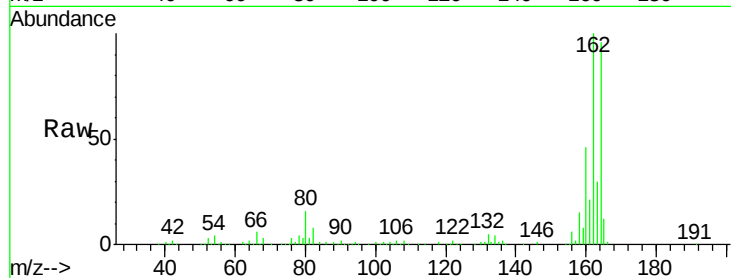




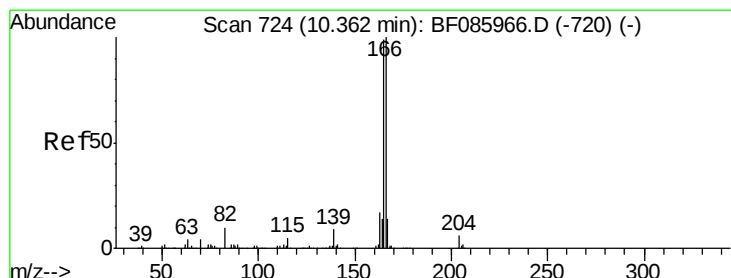
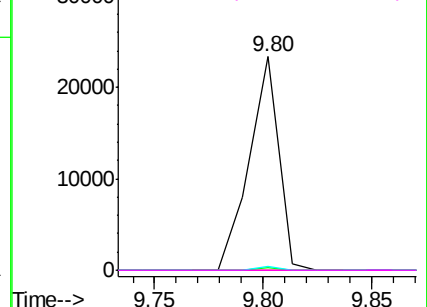
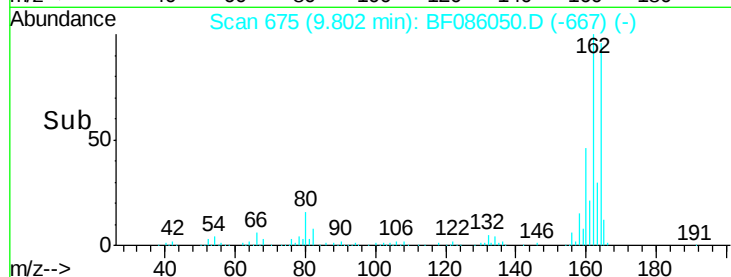
#56
 2,4-Dinitrotoluene
 Concen: 6.38 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401

Tgt Ion:165 Resp: 22000
 Ion Ratio Lower Upper
 165 100
 63 1.4 24.9 37.3#
 89 1.7 41.0 61.6#
 182 0.0 2.1 3.1#

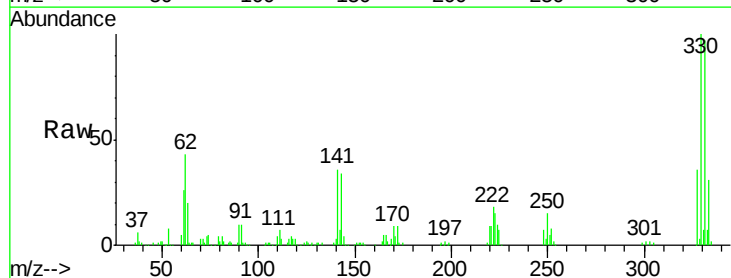


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

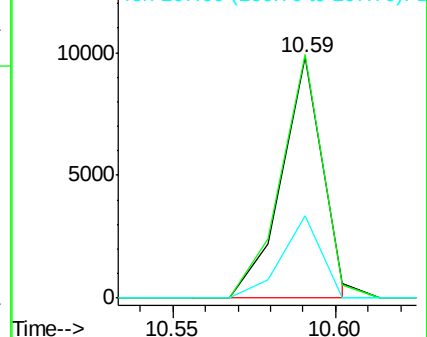
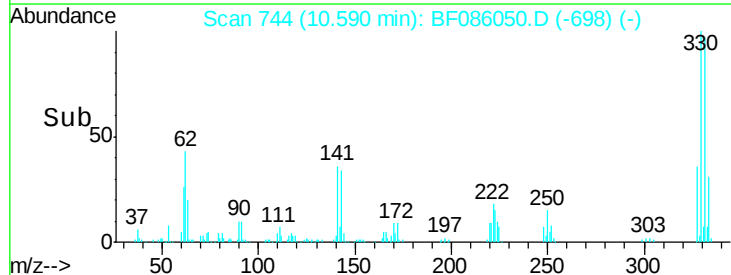


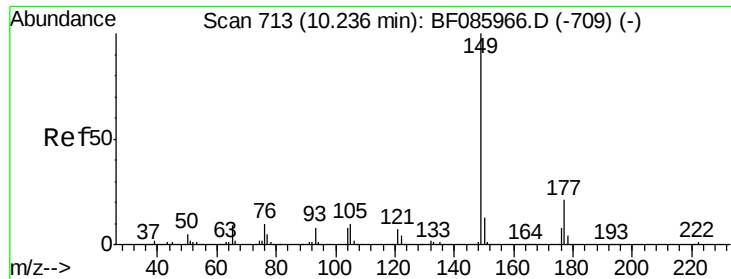
#57
 Fluorene
 Concen: 0.74 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.23 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Tgt Ion:166 Resp: 8654
 Ion Ratio Lower Upper
 166 100
 165 101.2 79.4 119.0
 167 34.1 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

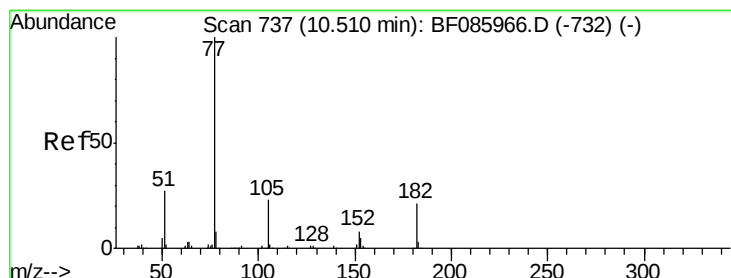
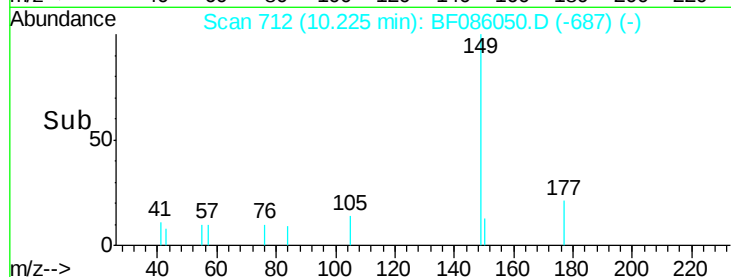
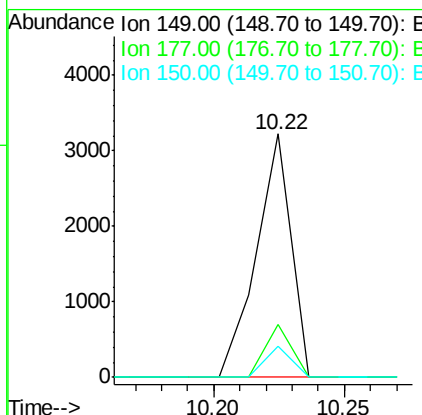
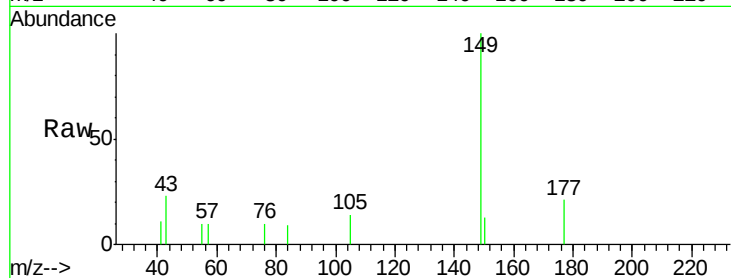




#59
Diethylphthalate
Concen: 0.23 ng
RT: 10.22 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

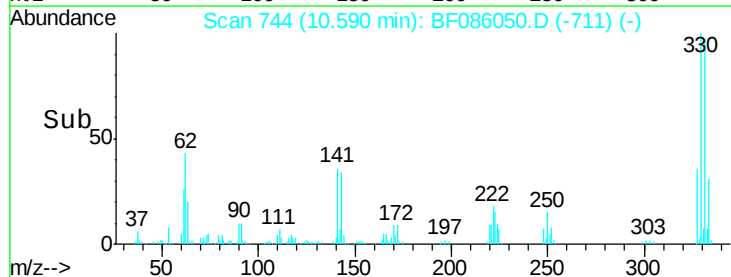
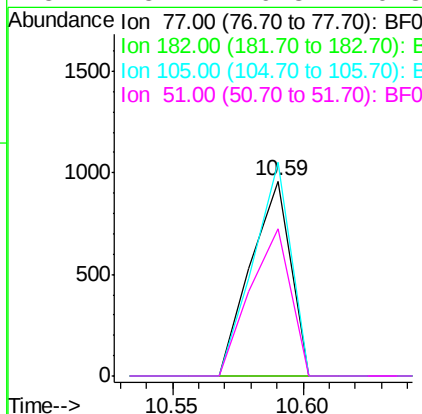
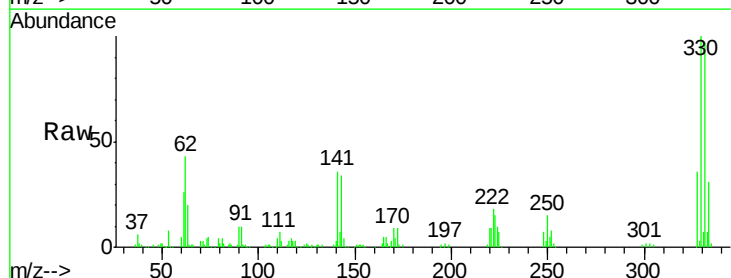
Instrument :
BNA_F
ClientSampleId :
FB-20160401

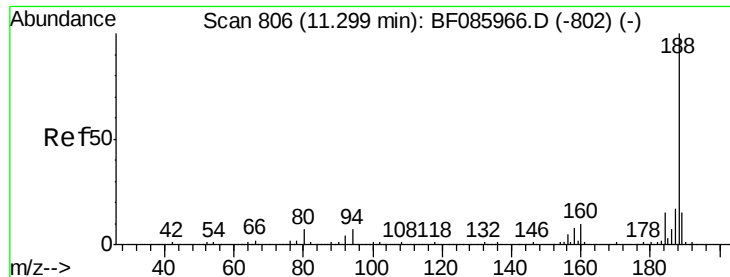
Tgt Ion: 149 Resp: 2961
Ion Ratio Lower Upper
149 100
177 21.5 17.9 26.9
150 12.6 10.2 15.2



#62
Azobenzene
Concen: 0.08 ng
RT: 10.59 min Scan# 744
Delta R.T. 0.08 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Tgt Ion: 77 Resp: 1022
Ion Ratio Lower Upper
77 100
182 0.0 1.9 41.9#
105 109.8 3.5 43.5#
51 75.4 6.3 46.3#

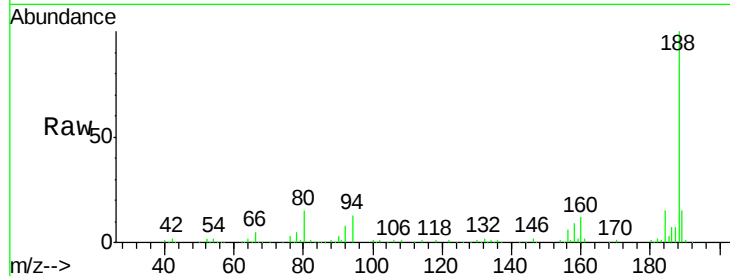




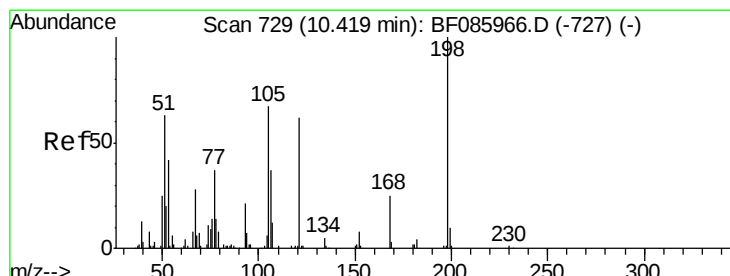
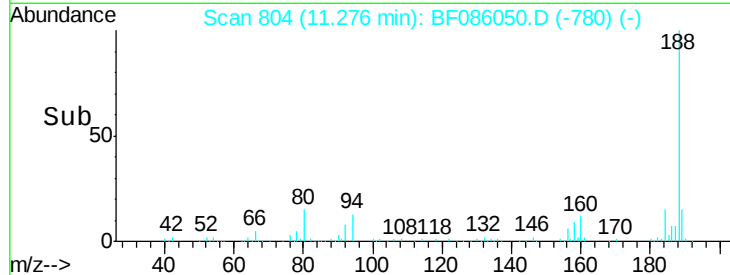
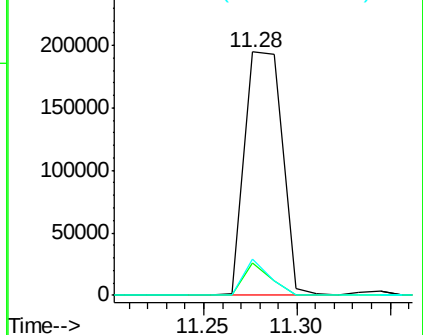
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Instrument :
BNA_F
ClientSampleId :
FB-20160401

Tgt Ion:188 Resp: 273086
Ion Ratio Lower Upper
188 100
94 13.5 5.4 8.0#
80 14.9 5.5 8.3#

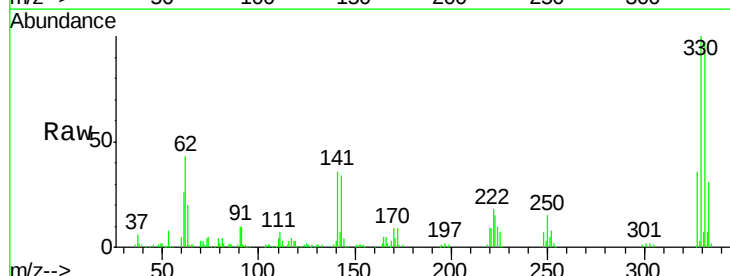


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

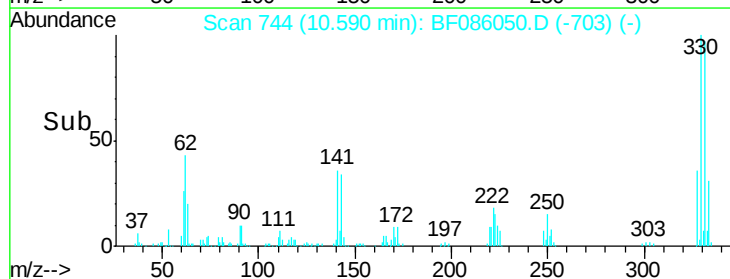
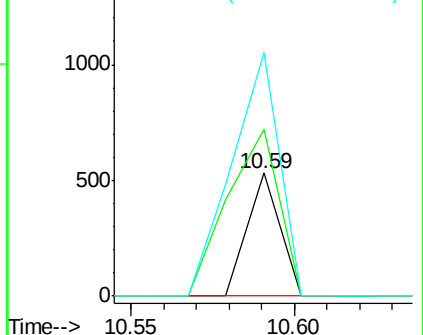


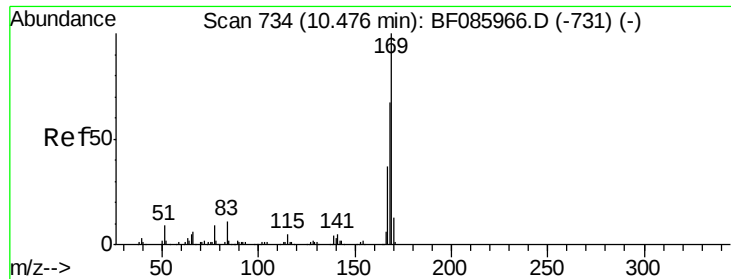
#64
4,6-Dinitro-2-methylphenol
Concen: 0.22 ng
RT: 10.59 min Scan# 744
Delta R.T. 0.17 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Tgt Ion:198 Resp: 364
Ion Ratio Lower Upper
198 100
51 136.0 45.4 85.4#
105 198.1 45.9 85.9#



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

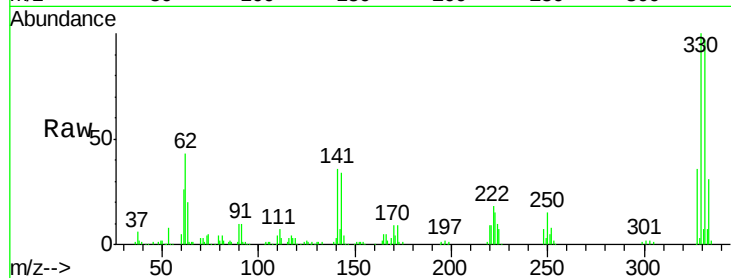




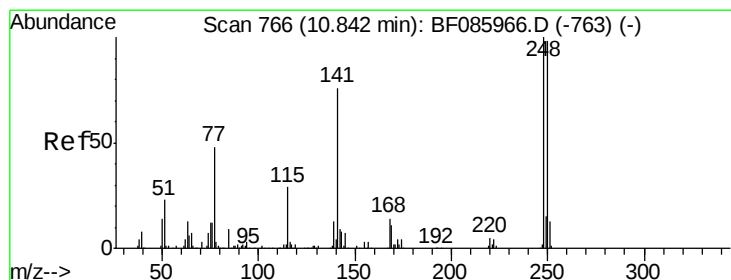
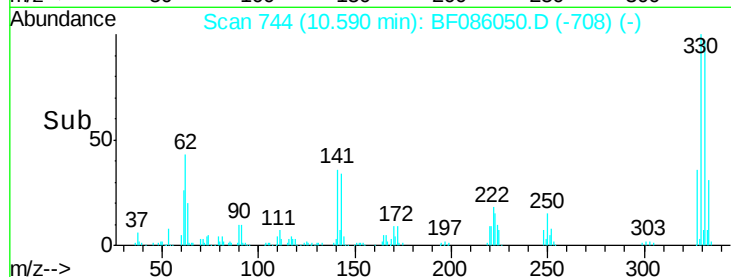
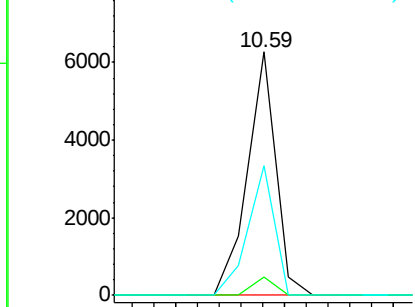
#65
 n-Nitrosodiphenylamine
 Concen: 0.66 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.11 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401

Tgt Ion:169 Resp: 5659
 Ion Ratio Lower Upper
 169 100
 168 7.5 54.4 81.6#
 167 53.2 29.4 44.0#

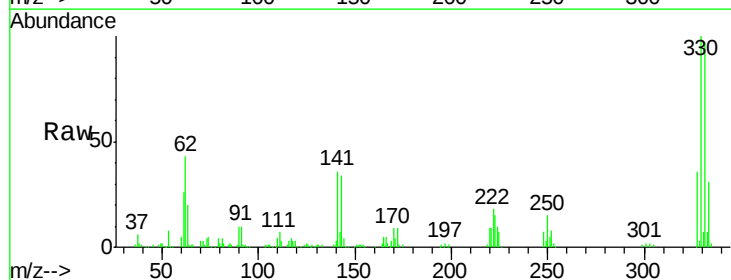


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

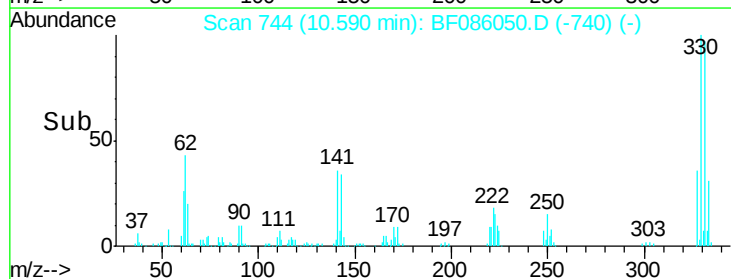
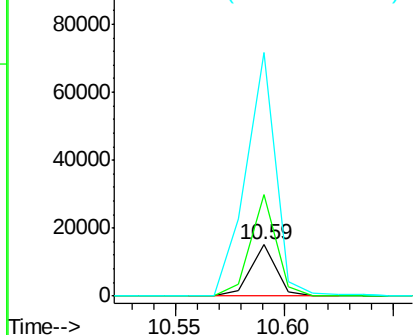


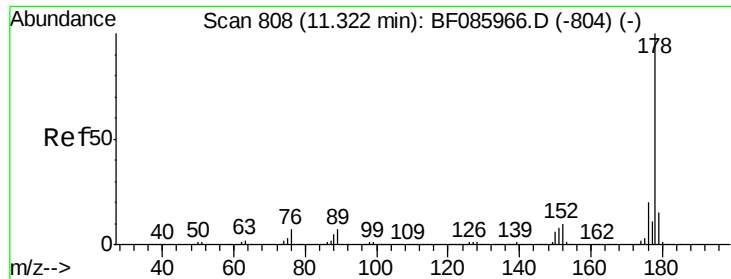
#66
 4-Bromophenyl-phenylether
 Concen: 4.48 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.25 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Tgt Ion:248 Resp: 12497
 Ion Ratio Lower Upper
 248 100
 250 197.7 77.4 116.0#
 141 475.4 63.6 95.4#



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





#70

Phenanthrene

Concen: 0.04 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

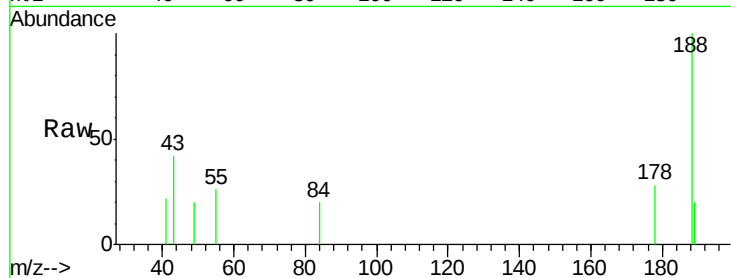
Tgt Ion:178 Resp: 553

Ion Ratio Lower Upper

178 100

176 0.0 16.3 24.5#

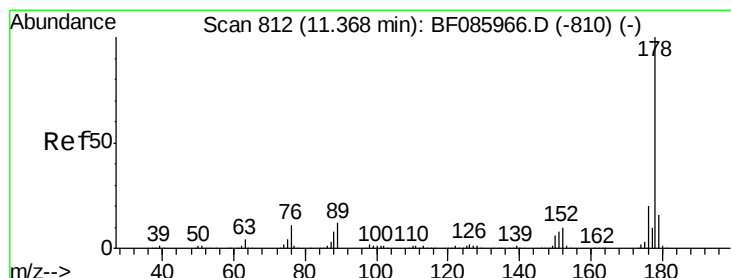
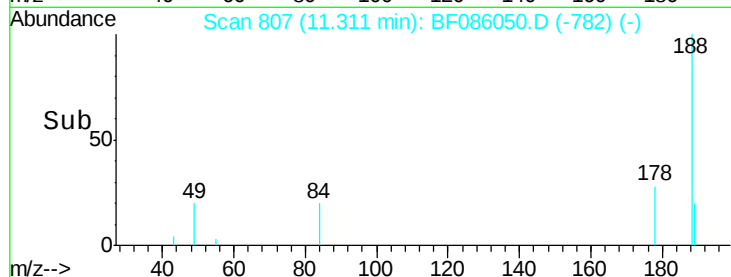
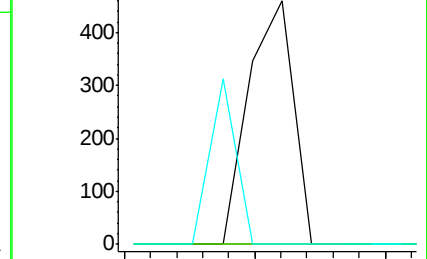
179 0.0 12.6 18.8#



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: 0.04 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.06 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

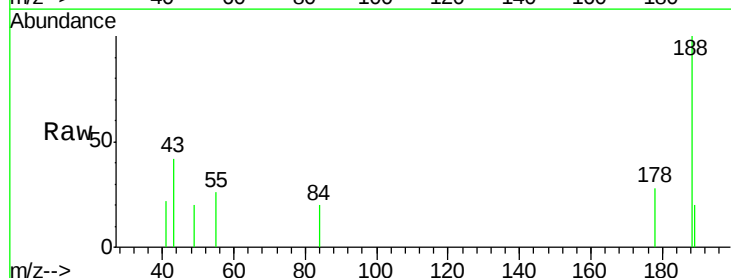
Tgt Ion:178 Resp: 553

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

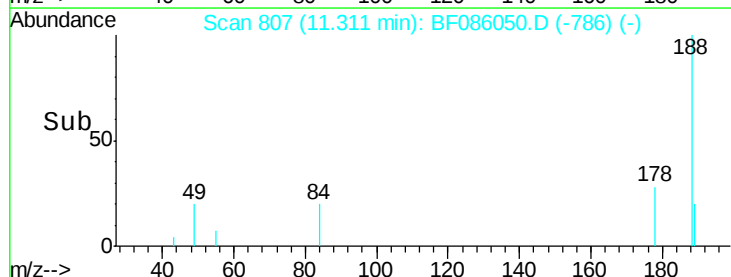
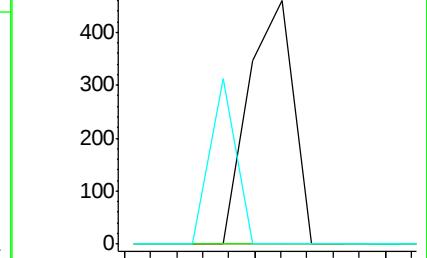
179 0.0 13.0 19.4#

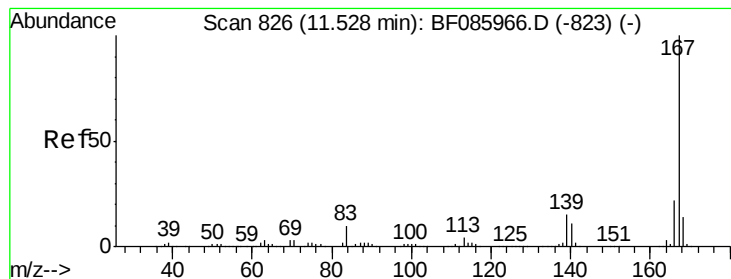


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.02 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

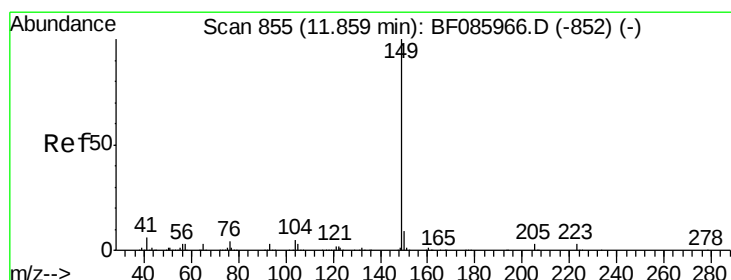
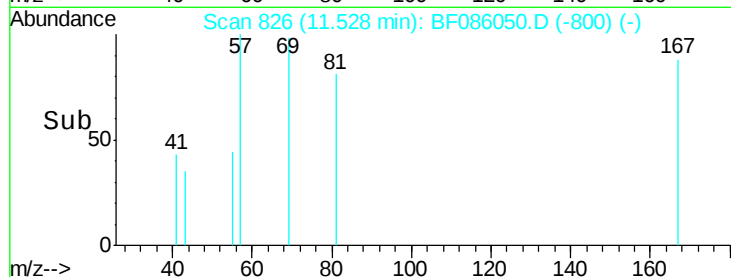
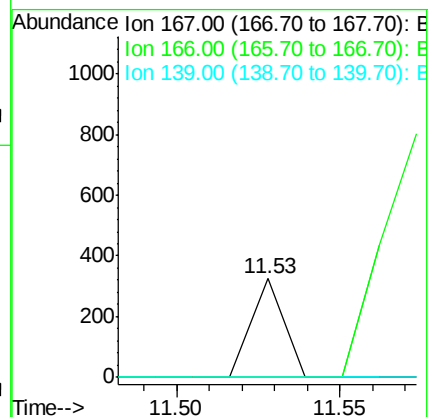
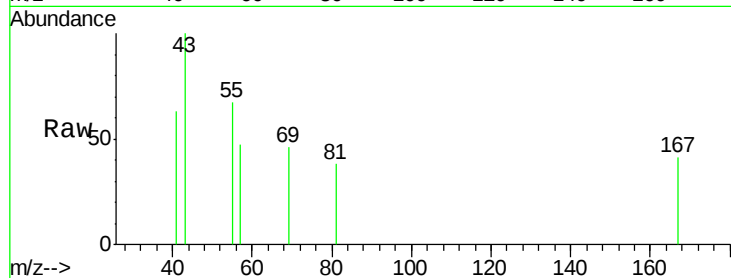
Tgt Ion:167 Resp: 223

Ion Ratio Lower Upper

167 100

166 0.0 17.8 26.8#

139 0.0 11.6 17.4#



#73

Di-n-butylphthalate

Concen: 0.39 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

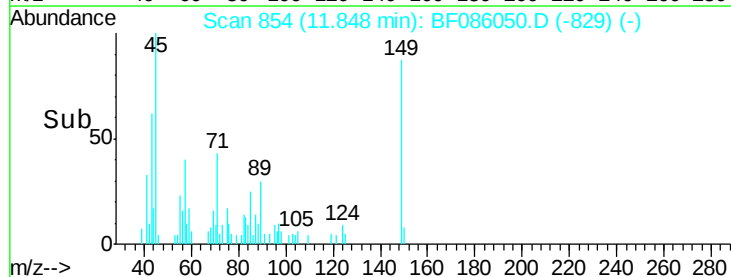
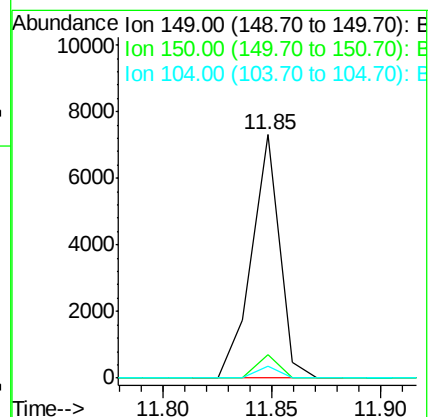
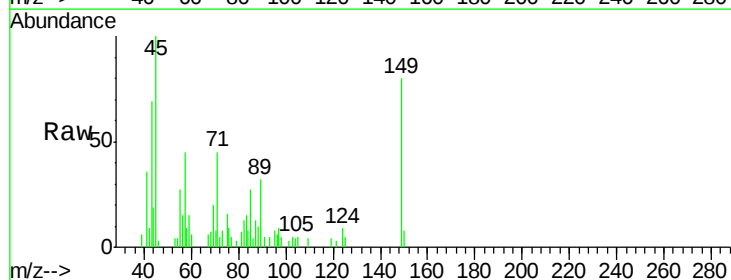
Tgt Ion:149 Resp: 6510

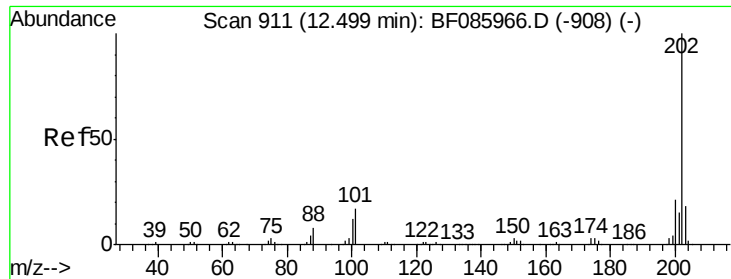
Ion Ratio Lower Upper

149 100

150 9.8 7.6 11.4

104 4.9 3.8 5.8





#74

Fluoranthene

Concen: 0.02 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

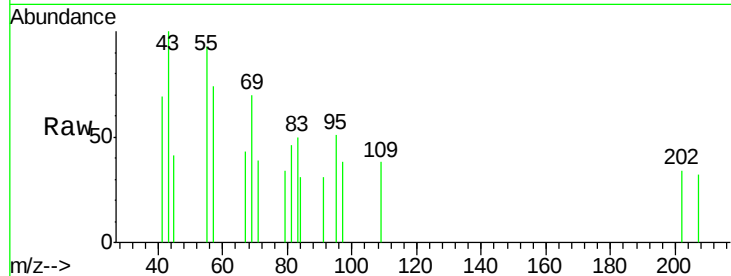
Instrument :

BNA_F

ClientSampleId :

FB-20160401

Tgt Ion:	202	Resp:	237
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	36.6
203	0.0	0.0	38.1

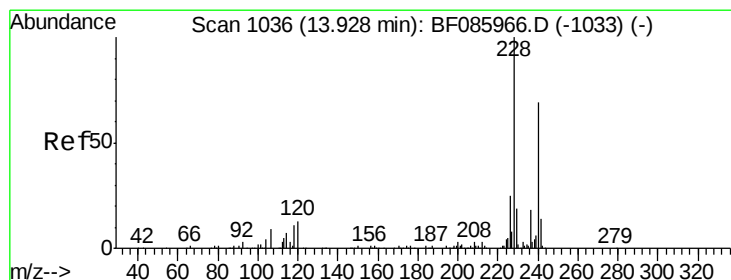
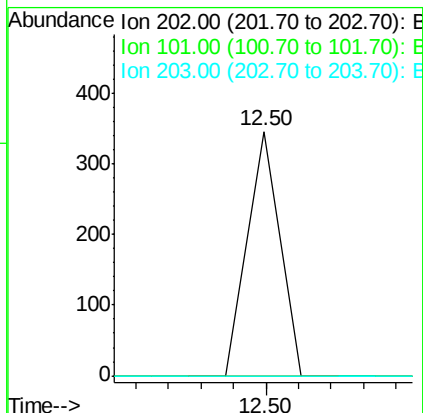
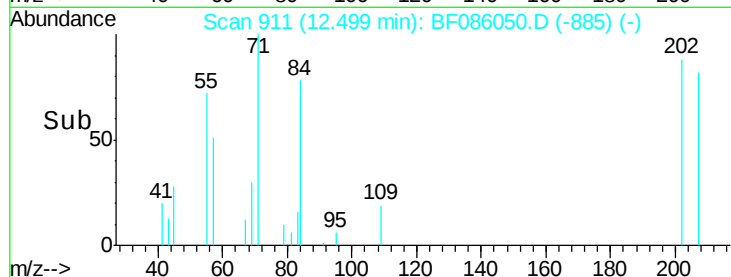


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

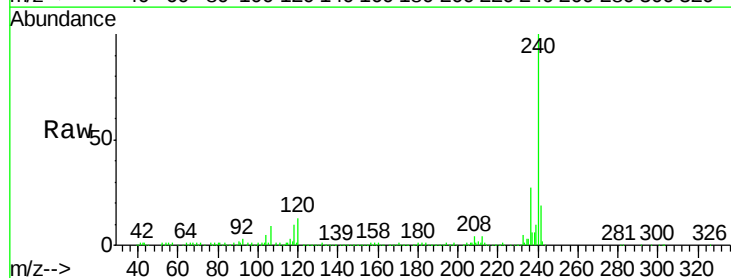
RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Tgt Ion:	240	Resp:	209843
Ion	Ratio	Lower	Upper
240	100		
120	12.7	13.8	20.8#
236	26.8	20.6	30.8

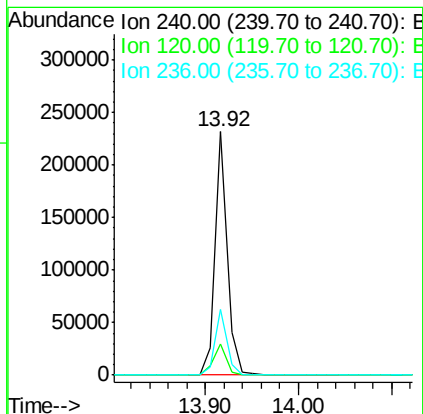
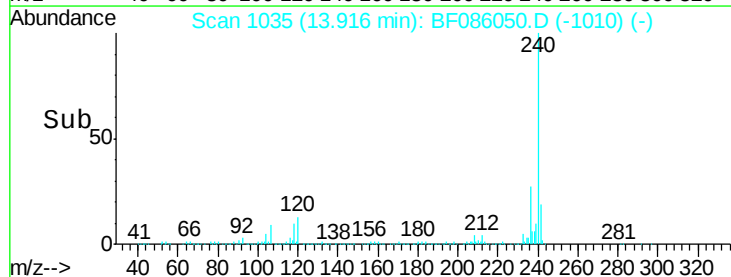


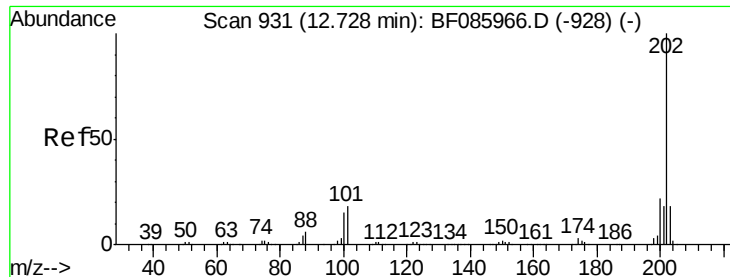
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->

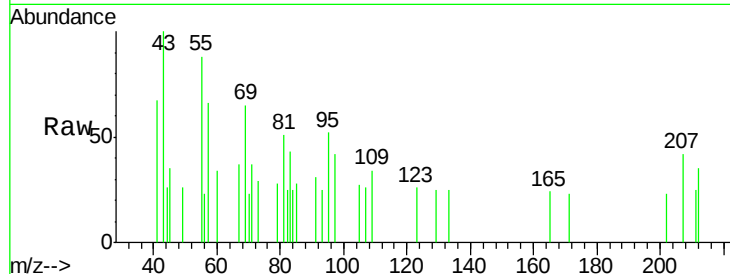




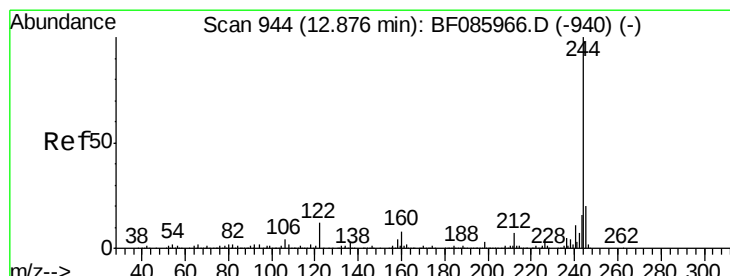
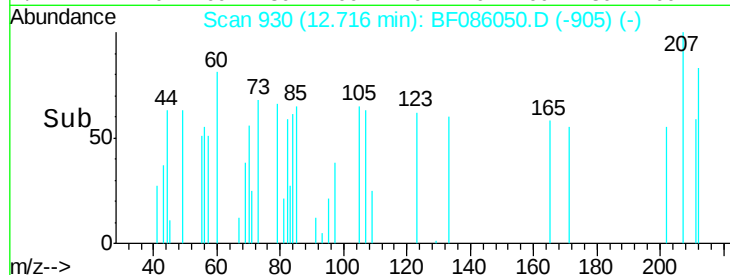
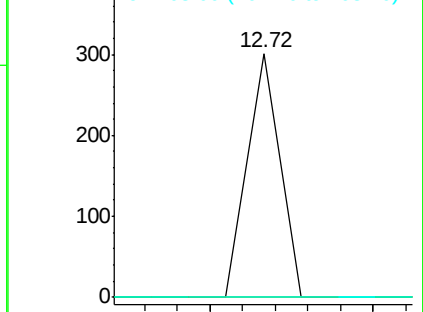
#77
 Pyrene
 Concen: 0.01 ng
 RT: 12.72 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401

Tgt Ion	Ratio	Lower	Upper
202	100		
200	0.0	17.6	26.4#
203	0.0	14.0	21.0#

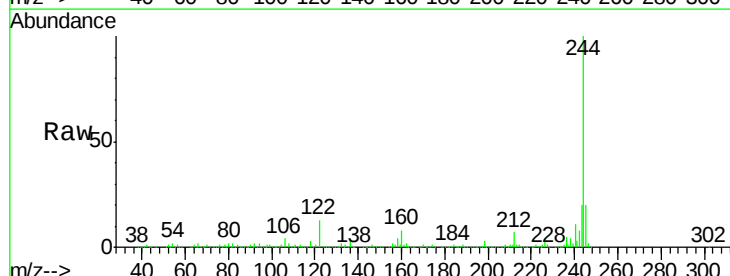


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

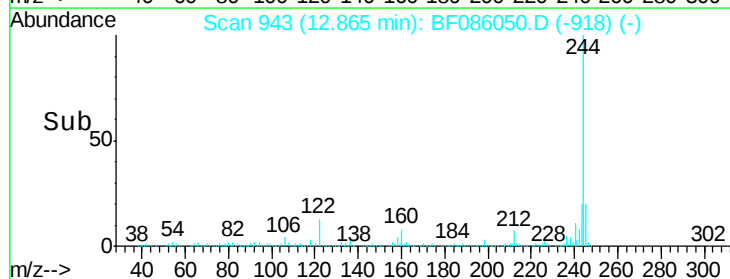
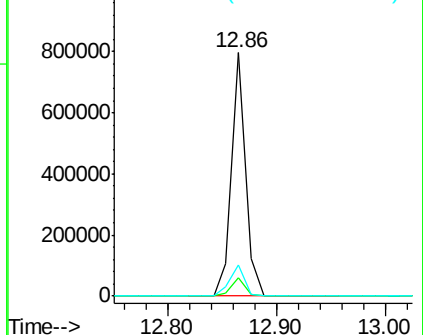


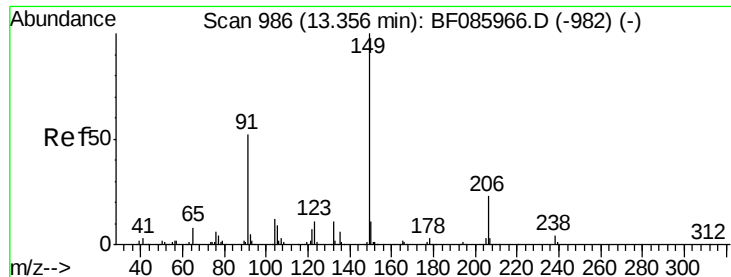
#78
 Terphenyl-d14
 Concen: 79.61 ng
 RT: 12.86 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086050.D
 Acq: 4 Apr 2016 21:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	13.0	10.2	15.4



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





#79

Butylbenzylphthalate

Concen: 0.10 ng

RT: 13.33 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

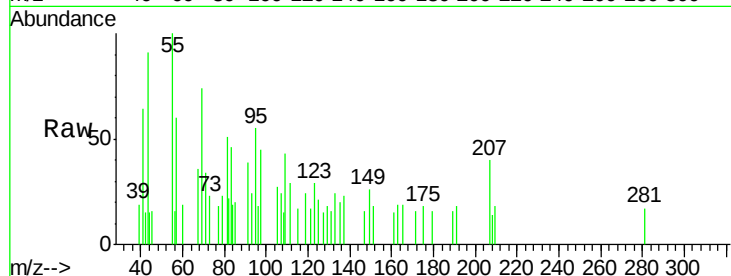
Tgt Ion:149 Resp: 693

Ion Ratio Lower Upper

149 100

91 149.8 45.8 68.8#

206 0.0 17.8 26.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

1000

800

600

400

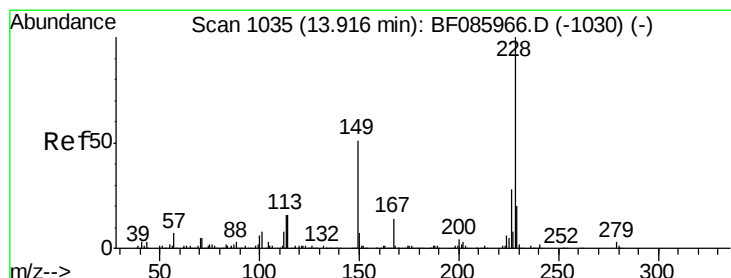
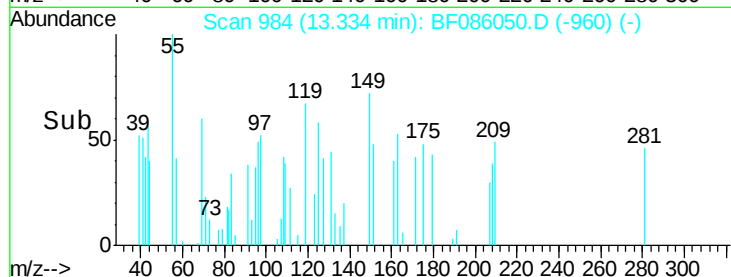
200

0

13.30

13.40

Time-->



#80

Benzo(a)anthracene

Concen: 0.06 ng

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

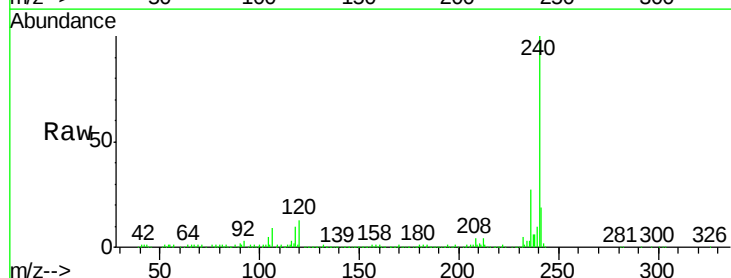
Tgt Ion:228 Resp: 725

Ion Ratio Lower Upper

228 100

226 55.6 22.1 33.1#

229 47.6 16.2 24.4#



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

1000

800

600

400

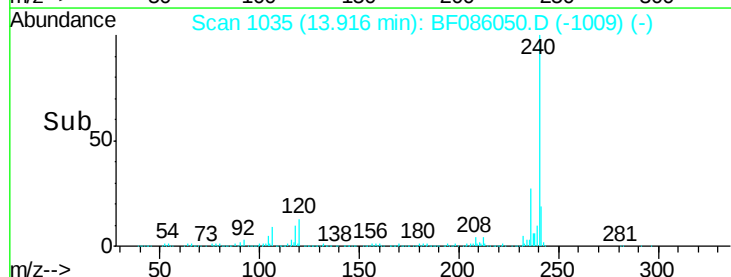
200

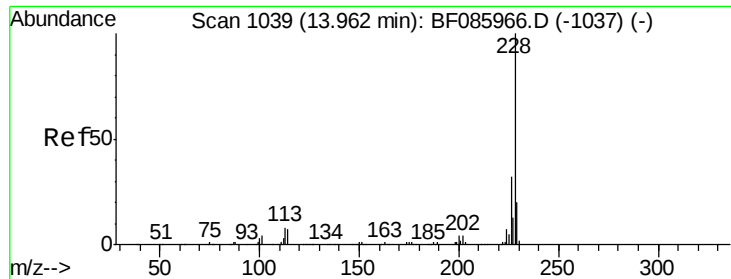
0

13.90

13.95

Time-->





#82

Chrysene

Concen: 0.06 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

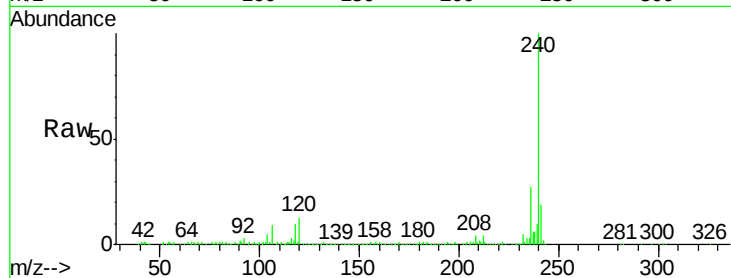
Tgt Ion:228 Resp: 725

Ion Ratio Lower Upper

228 100

226 55.6 25.0 37.6#

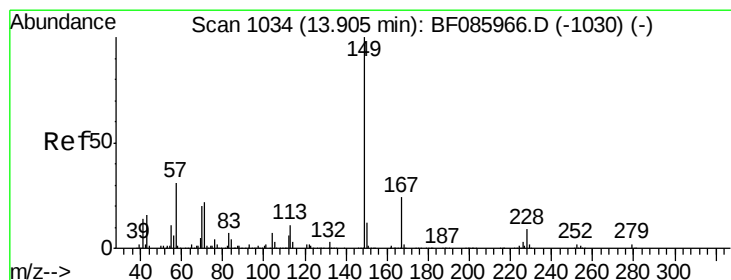
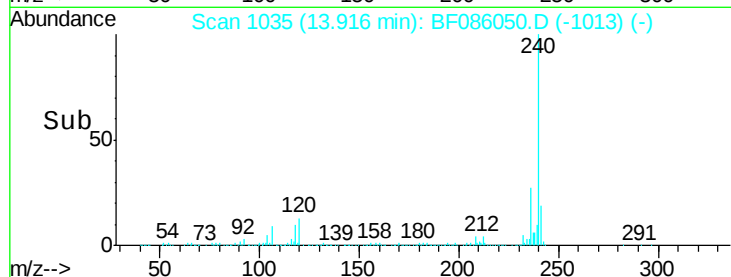
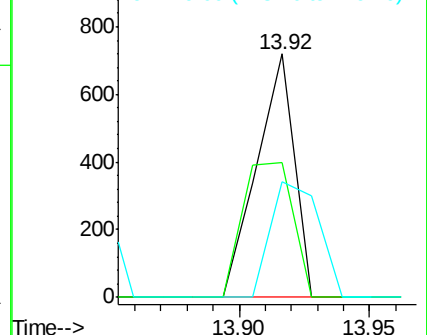
229 47.6 15.7 23.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

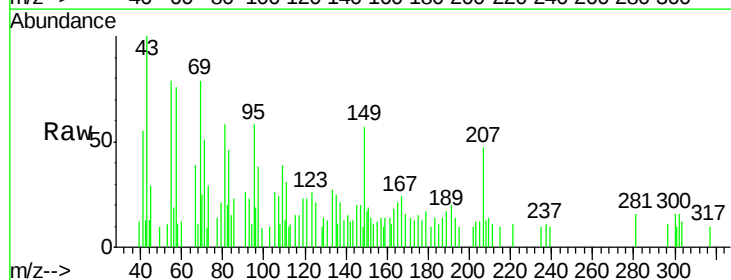
Tgt Ion:149 Resp: 1460

Ion Ratio Lower Upper

149 100

167 42.0 19.4 29.2#

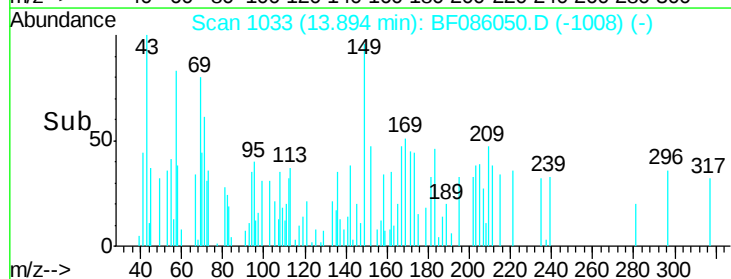
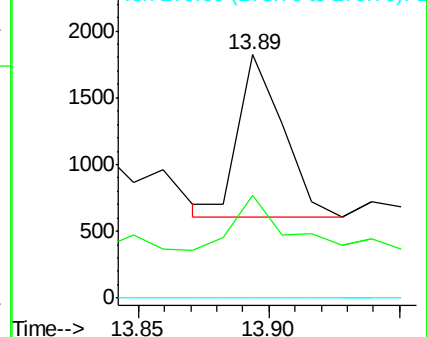
279 0.0 1.5 2.3#

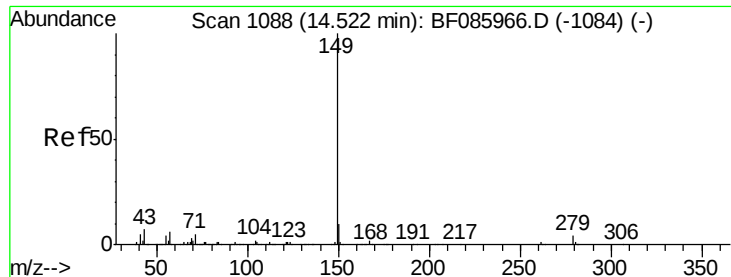


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

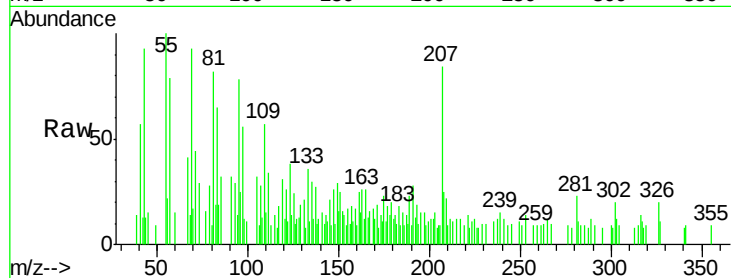




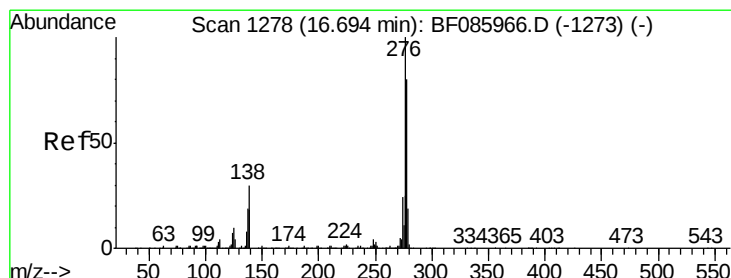
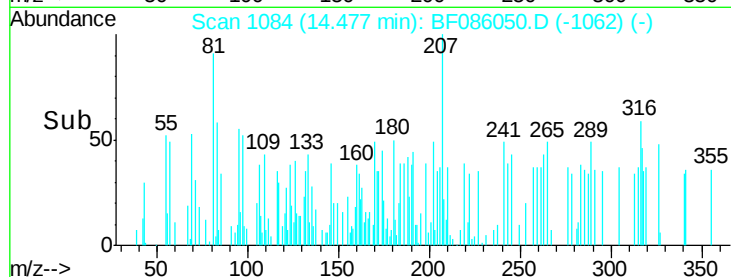
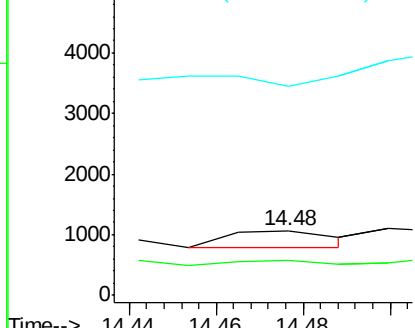
#84
Di-n-octyl phthalate
Concen: 0.04 ng
RT: 14.48 min Scan# 1084
Delta R.T. -0.05 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Instrument :
BNA_F
ClientSampleId :
FB-20160401

Tgt Ion:149 Resp: 494
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 7.1 10.7#

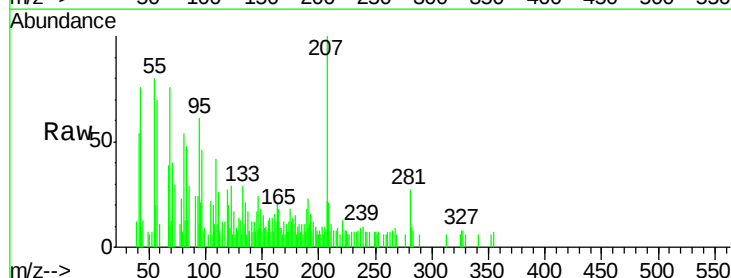


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

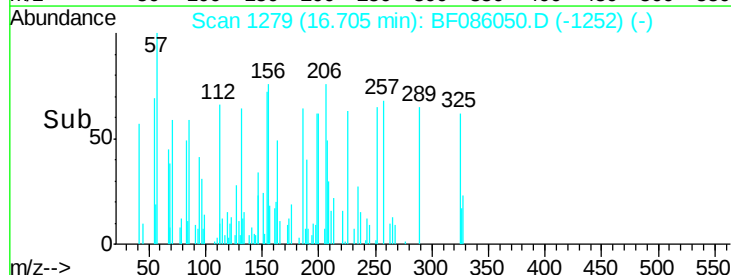
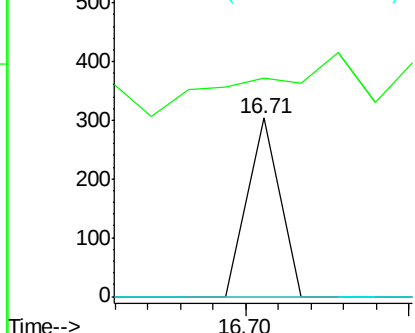


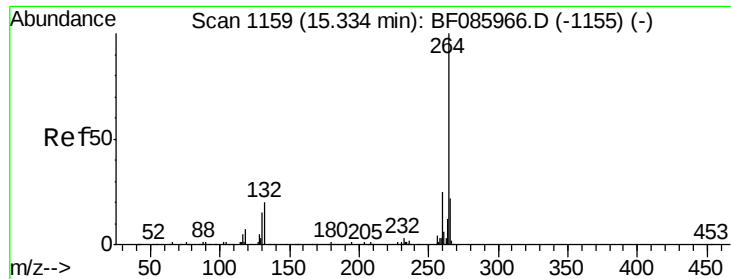
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 16.71 min Scan# 1279
Delta R.T. 0.01 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Tgt Ion:276 Resp: 208
Ion Ratio Lower Upper
276 100
138 0.0 24.2 36.4#
277 0.0 20.0 30.0#



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

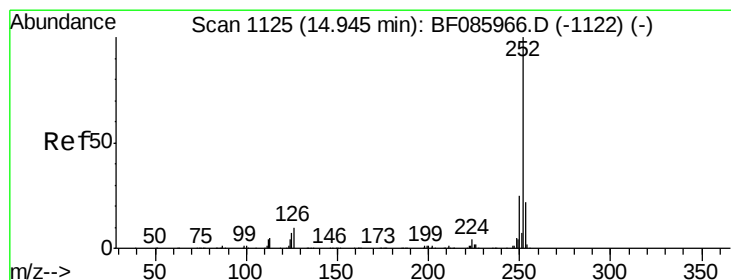
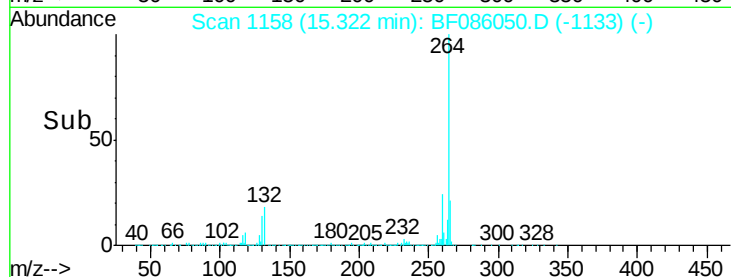
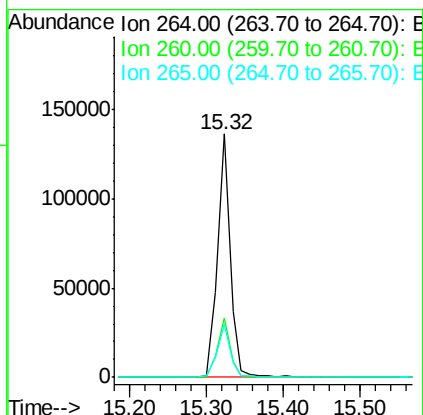
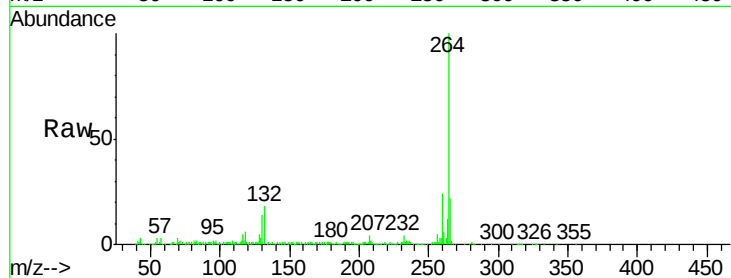




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

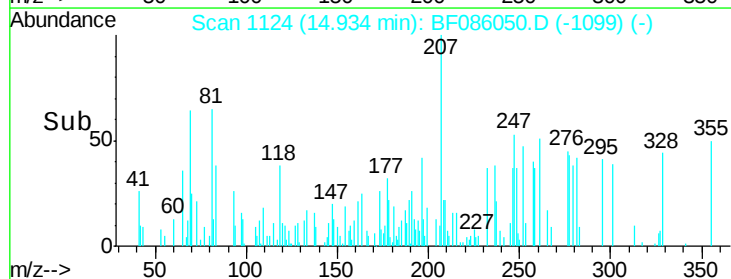
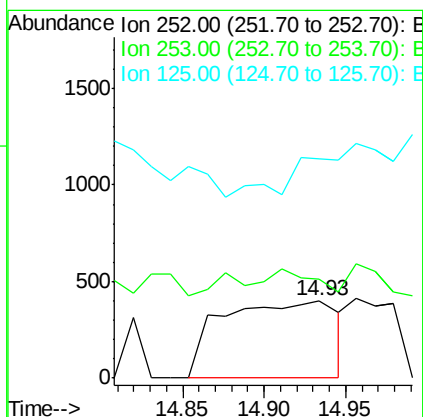
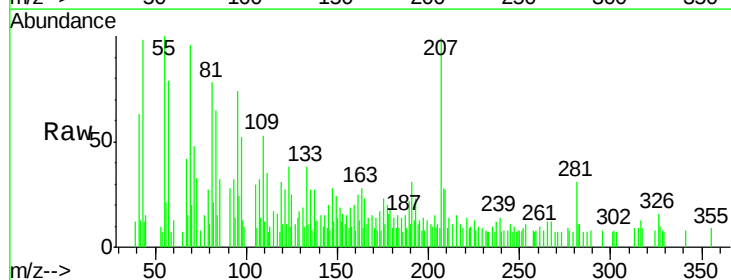
Instrument :
BNA_F
ClientSampleId :
FB-20160401

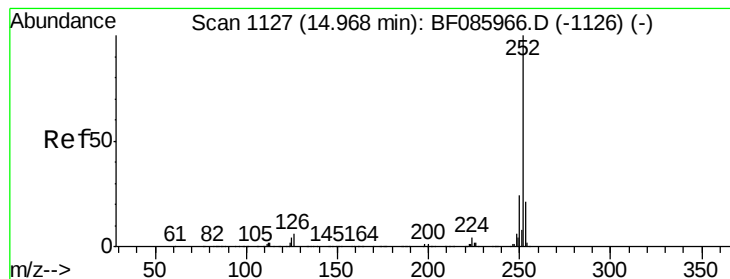
Tgt Ion: 264 Resp: 159241
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF086050.D
Acq: 4 Apr 2016 21:14

Tgt Ion: 252 Resp: 1954
Ion Ratio Lower Upper
252 100
253 127.0 17.6 26.4#
125 282.4 10.3 15.5#





#88

Benzo(k)fluoranthene

Concen: 0.22 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

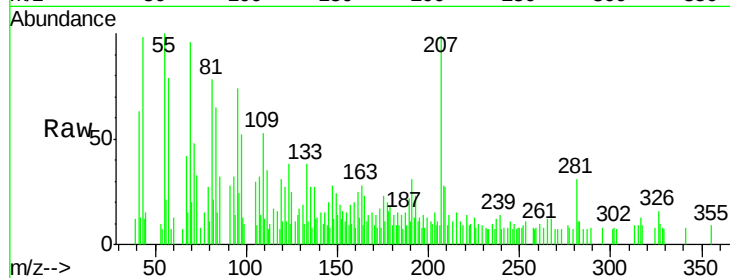
Tgt Ion:252 Resp: 1954

Ion Ratio Lower Upper

252 100

253 127.0 17.8 26.6#

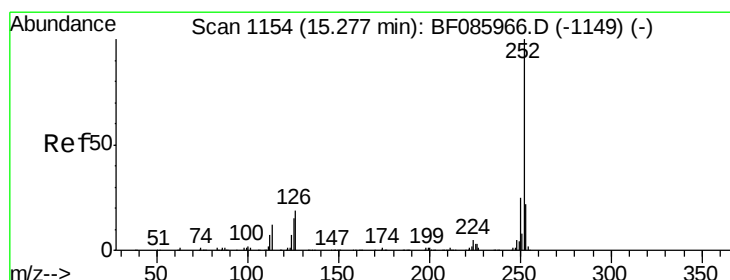
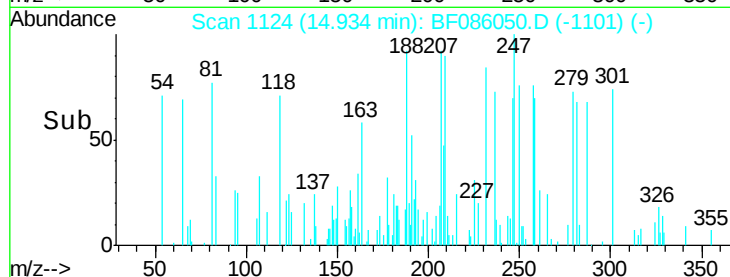
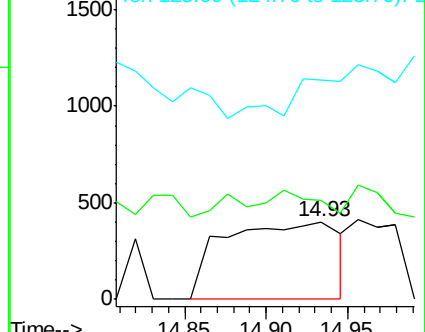
125 282.4 7.7 11.5#



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: 0.09 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

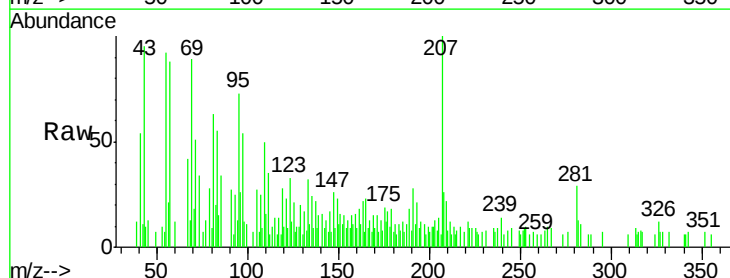
Tgt Ion:252 Resp: 817

Ion Ratio Lower Upper

252 100

253 105.3 17.4 26.0#

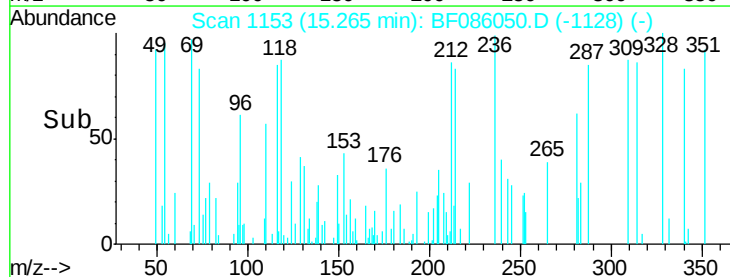
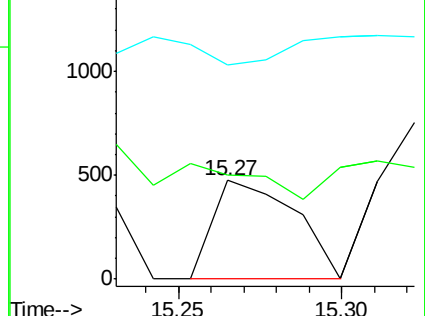
125 217.3 10.3 15.5#

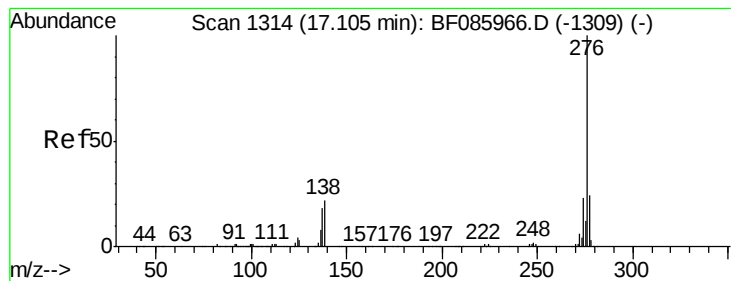


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 17.03 min Scan# 1307

Delta R.T. -0.08 min

Lab File: BF086050.D

Acq: 4 Apr 2016 21:14

Instrument :

BNA_F

ClientSampleId :

FB-20160401

Tgt Ion: 276 Resp: 214

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 131.7 22.6 34.0#

