

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089671.D
 Acq On : 8 Aug 2016 20:41
 Operator : UM/SJ
 Sample : H4364-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

Quant Time: Aug 09 02:32:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	40998	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	177474	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	85641	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	161901	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	109417	20.00	ng	-0.02
86) Perylene-d12	20.02	264	85095	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	417454	170.66	ng	0.00
7) Phenol-d6	6.96	99	571641	172.27	ng	-0.02
23) Nitrobenzene-d5	8.33	82	348304	108.55	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	115929	164.03	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	655271	99.44	ng	-0.02
78) Terphenyl-d14	17.03	244	556202	100.35	ng	-0.02

Target Compounds						Qvalue
6) Aniline	7.07	93	366	0.09	ng	# 1
9) Benzaldehyde	6.96	77	545	0.45	ng	# 1
10) Phenol	6.98	94	2482	0.73	ng	# 1
11) bis(2-Chloroethyl)ether	7.07	93	366	0.13	ng	# 1
15) Benzyl Alcohol	7.66	79	5453	2.51	ng	# 47
19) n-Nitroso-di-n-propylamine	8.33	70	42943	17.91	ng	# 81
24) Nitrobenzene	8.33	77	864	0.28	ng	# 42
31) Naphthalene	9.48	128	1553	0.16	ng	# 68
37) 2-Methylnaphthalene	10.78	142	444	0.08	ng	# 76
45) 1,1'-Biphenyl	11.23	154	1003	0.13	ng	# 1
48) Acenaphthylene	12.05	152	526	0.06	ng	# 60
49) Dimethylphthalate	11.92	163	116821	17.40	ng	# 99
50) 2,6-Dinitrotoluene	11.92	165	1062	0.80	ng	# 7
51) Acenaphthene	12.33	154	568	0.10	ng	# 71
54) Dibenzofuran	12.63	168	592	0.08	ng	# 43
57) Fluorene	13.18	166	1051	0.16	ng	# 94
59) Diethylphthalate	13.07	149	908	0.13	ng	# 60
62) Azobenzene	13.55	77	593	0.09	ng	# 1
65) n-Nitrosodiphenylamine	13.55	169	4720	0.86	ng	# 43
70) Phenanthrene	14.71	178	22655	2.57	ng	# 98
71) Anthracene	14.71	178	22655	2.40	ng	# 99
72) Carbazole	15.12	167	812	0.10	ng	# 59
73) Di-n-butylphthalate	15.67	149	1010	0.09	ng	# 79
74) Fluoranthene	16.47	202	25870	2.86	ng	# 98
77) Pyrene	16.78	202	21173	2.19	ng	# 94
80) Benzo(a)anthracene	18.35	228	8595	1.37	ng	# 98
82) Chrysene	18.40	228	8821	1.34	ng	# 99
83) Bis(2-ethylhexyl)phthalate	18.45	149	1865	0.33	ng	# 97
84) Di-n-octyl phthalate	19.26	149	1018	0.12	ng	# 79
85) Indeno(1,2,3-cd)pyrene	21.22	276	3155	0.63	ng	# 87
87) Benzo(b)fluoranthene	19.63	252	10660	2.04	ng	# 89
88) Benzo(k)fluoranthene	19.63	252	10660	2.02	ng	# 92
89) Benzo(a)pyrene	19.98	252	5942	1.21	ng	# 80
90) Dibenzo(a,h)anthracene	21.23	278	441	0.10	ng	# 55

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 01:39:23 2016
Response via : Initial Calibration

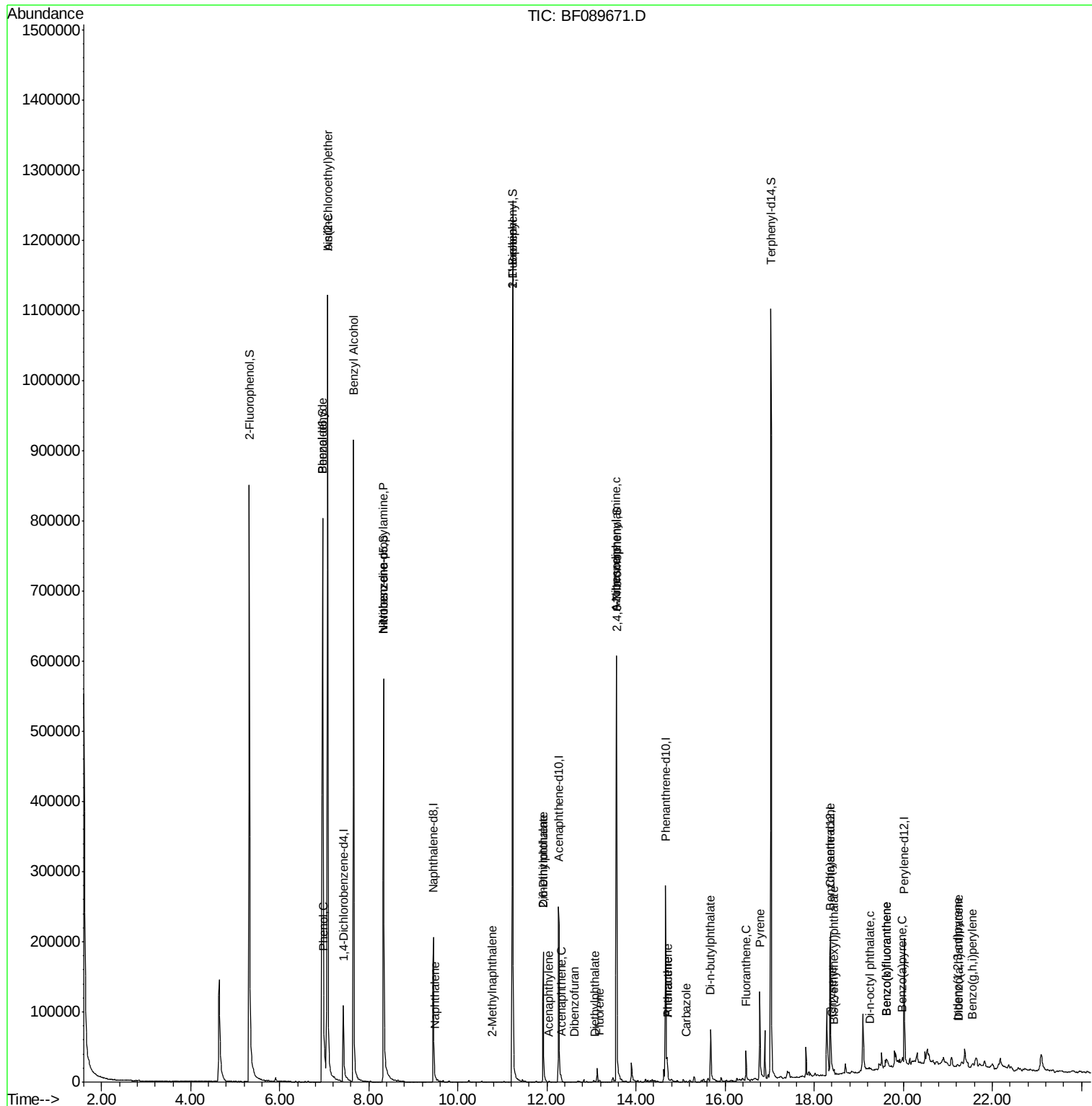
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	21.55	276	3105	0.66	ng	# 81

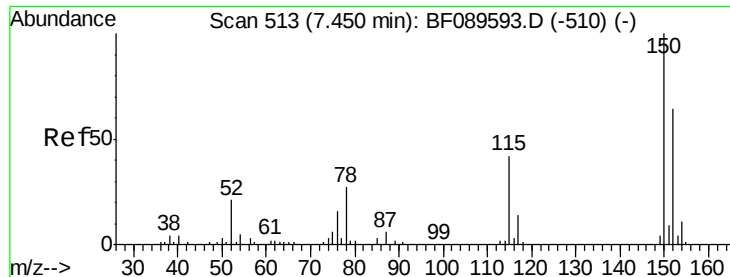
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

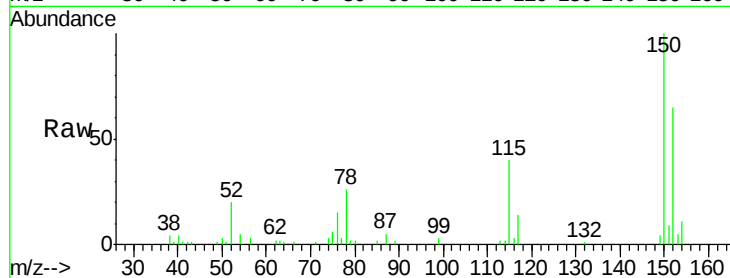
Tgt Ion:152 Resp: 40998

Ion Ratio Lower Upper

152 100

150 154.4 125.5 188.3

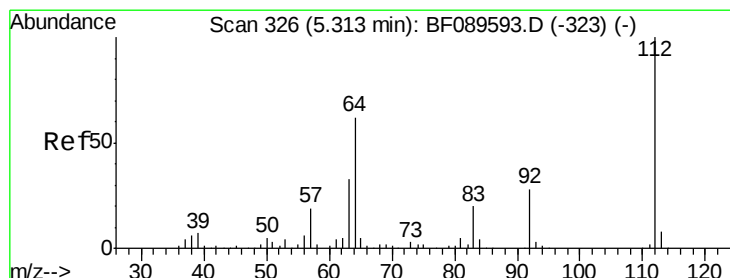
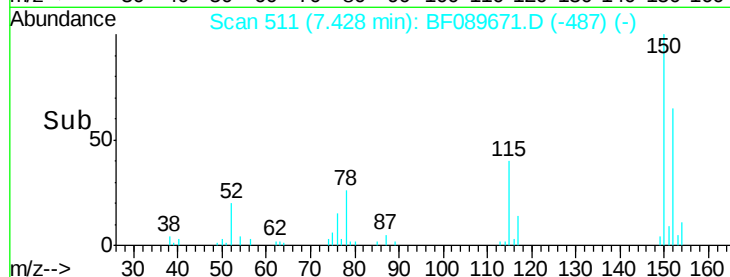
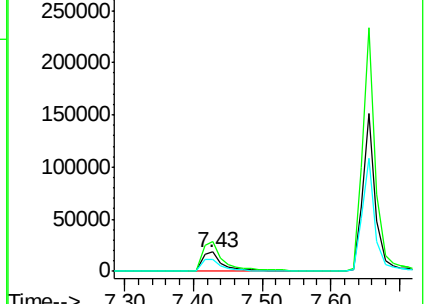
115 62.1 52.0 78.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 170.66 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

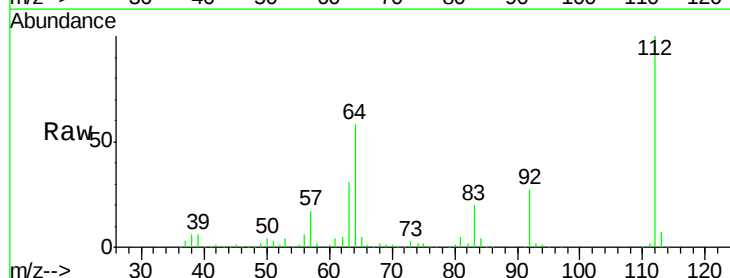
Tgt Ion:112 Resp: 417454

Ion Ratio Lower Upper

112 100

64 58.3 49.9 74.9

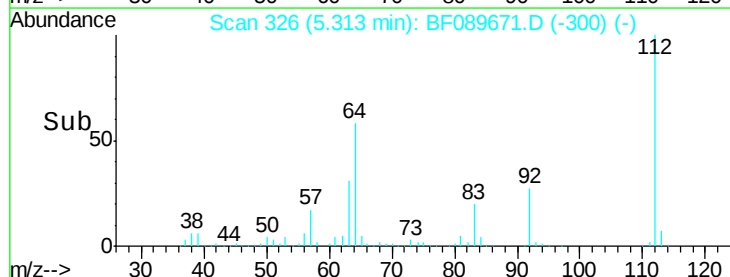
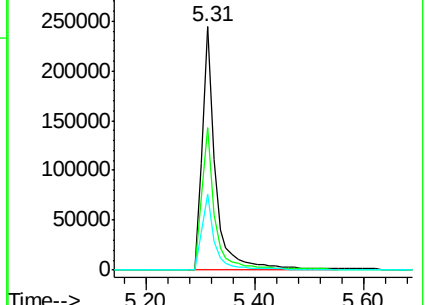
63 31.1 26.1 39.1

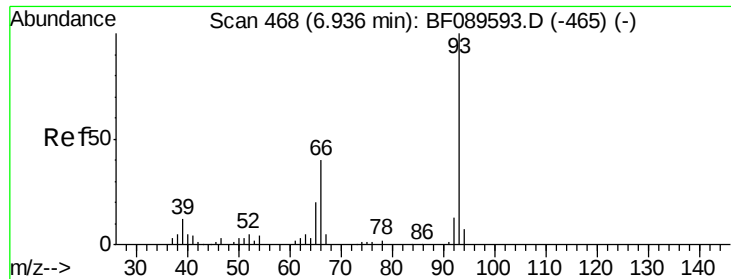


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.09 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

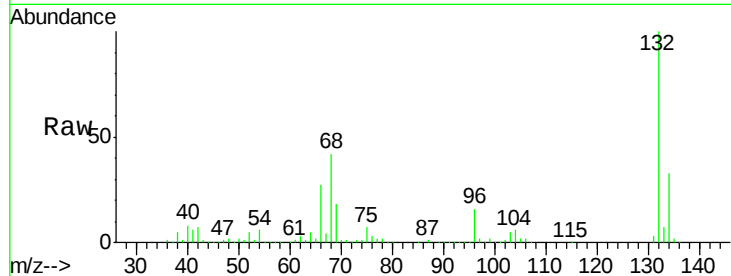
Tgt Ion: 93 Resp: 366

Ion Ratio Lower Upper

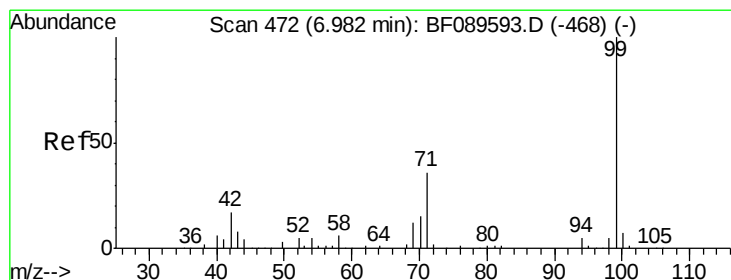
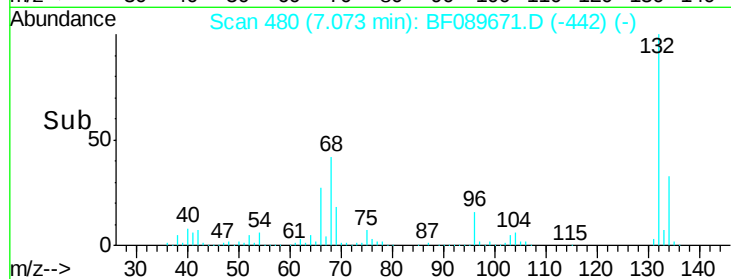
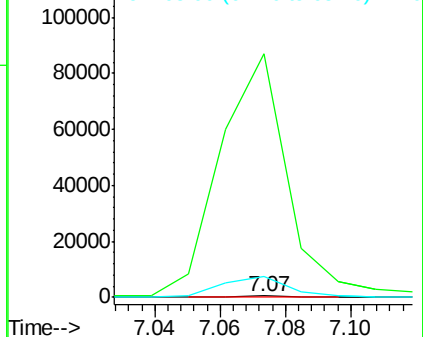
93 100

66 16324.2 32.2 48.2#

65 1370.2 15.8 23.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 172.27 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

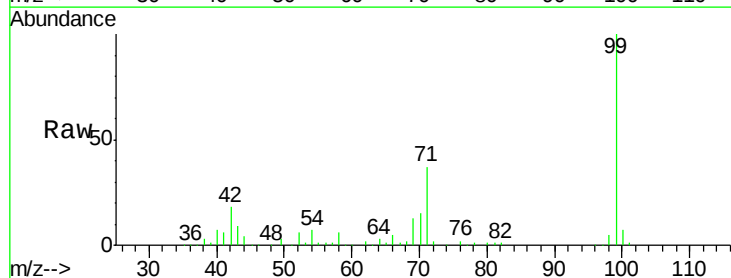
Tgt Ion: 99 Resp: 571641

Ion Ratio Lower Upper

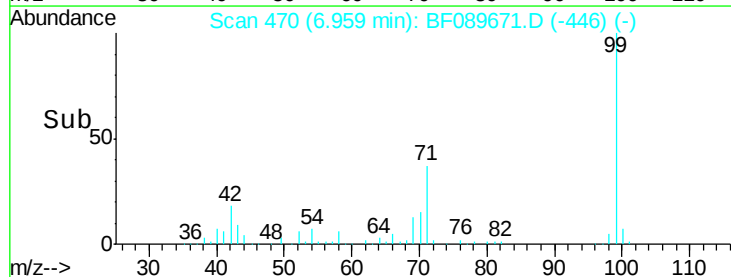
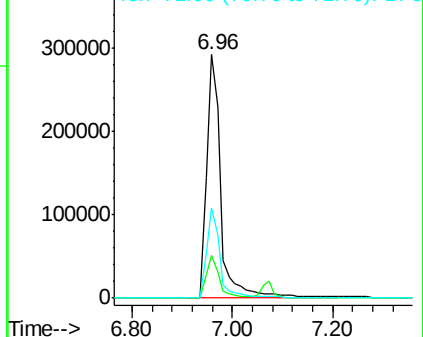
99 100

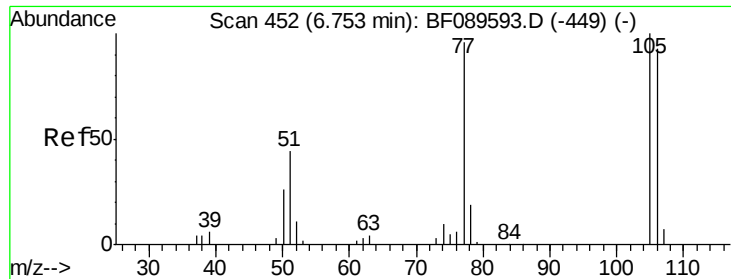
42 17.8 13.7 20.5

71 37.0 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

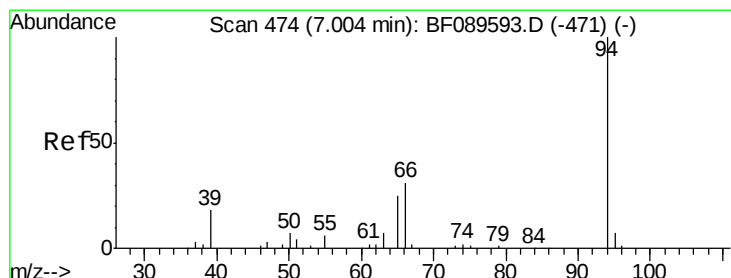
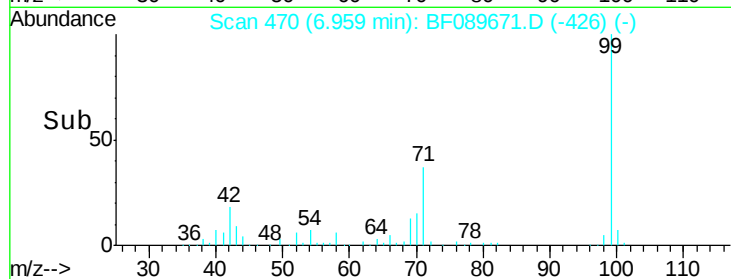
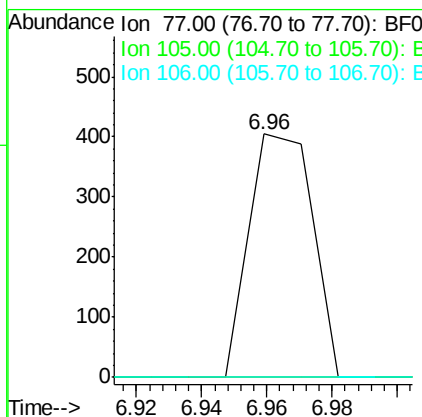
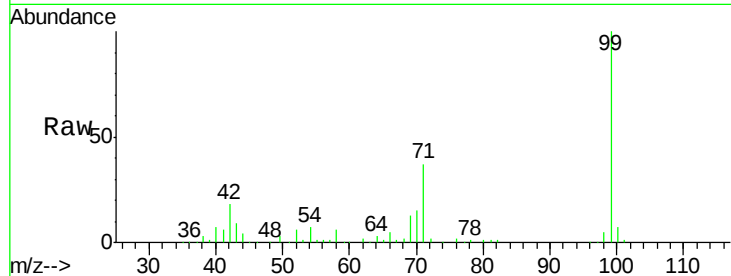




#9
Benzaldehyde
Concen: 0.45 ng
RT: 6.96 min Scan# 470
Delta R.T. 0.21 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

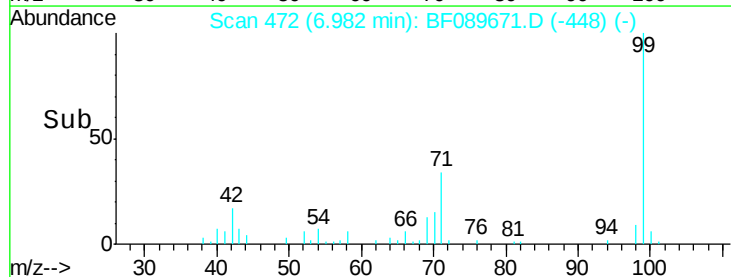
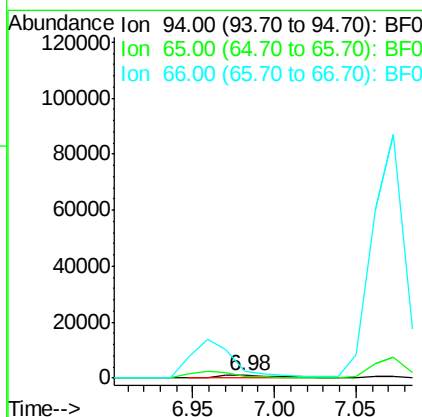
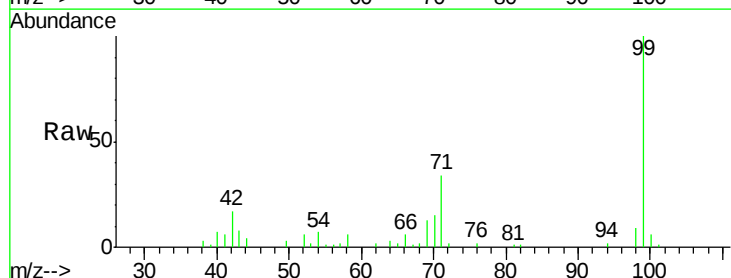
Instrument :
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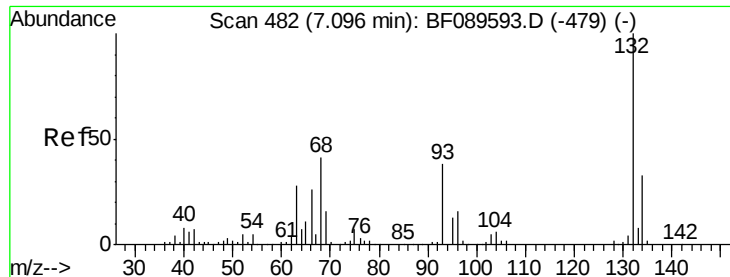
Tgt Ion: 77 Resp: 545
Ion Ratio Lower Upper
77 100
105 0.0 84.7 124.7#
106 0.0 77.1 117.1#



#10
Phenol
Concen: 0.73 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion: 94 Resp: 2482
Ion Ratio Lower Upper
94 100
65 71.1 11.0 51.0#
66 245.7 27.4 67.4#

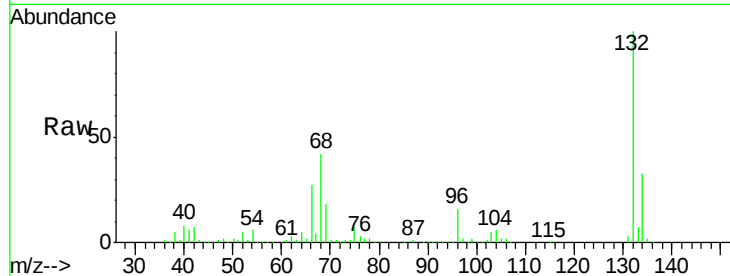




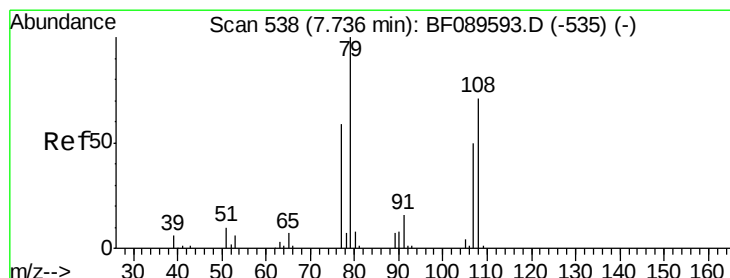
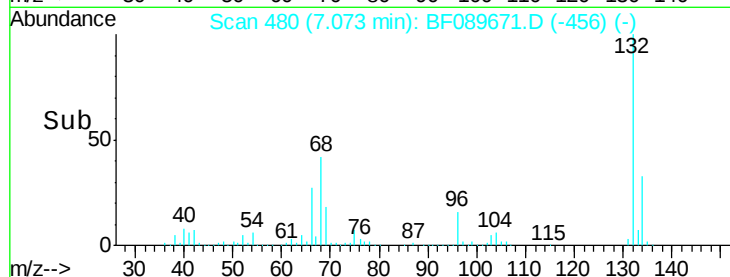
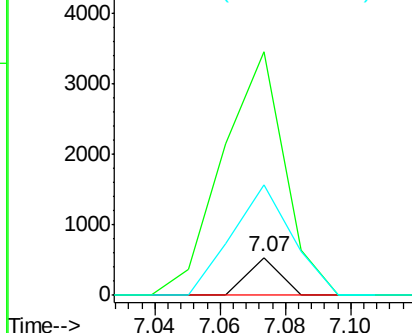
#11
bis(2-Chloroethyl)ether
Concen: 0.13 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Instrument :
BNA_F
ClientSampleId :
MMA-FL-01

Tgt Ion: 93 Resp: 366
Ion Ratio Lower Upper
93 100
63 647.5 52.2 92.2#
95 292.7 13.1 53.1#

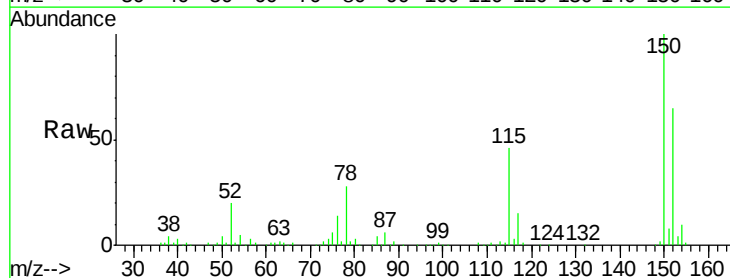


Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

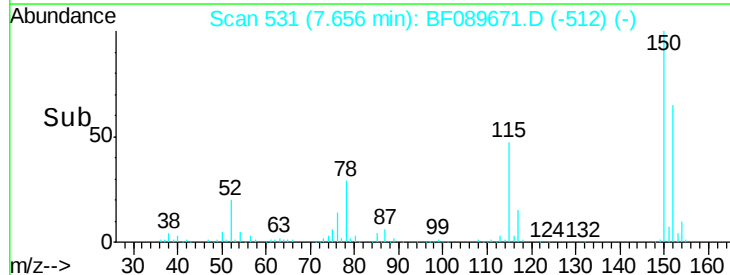
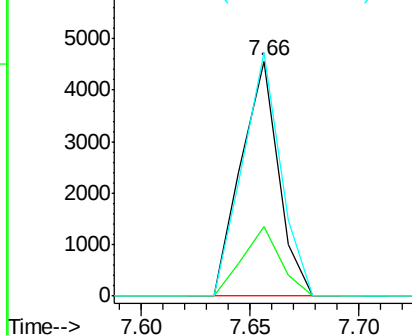


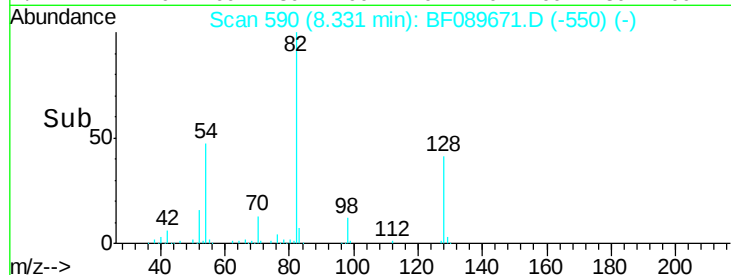
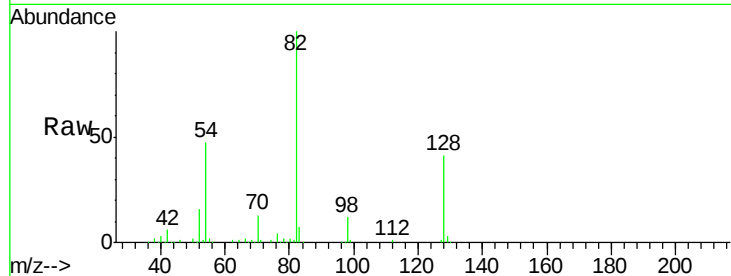
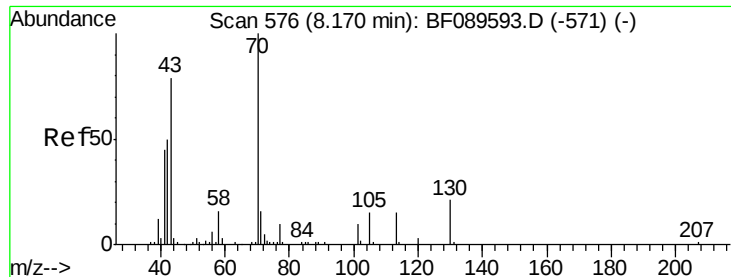
#15
Benzyl Alcohol
Concen: 2.51 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.08 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion: 79 Resp: 5453
Ion Ratio Lower Upper
79 100
108 29.8 58.3 87.5#
77 103.5 48.7 73.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

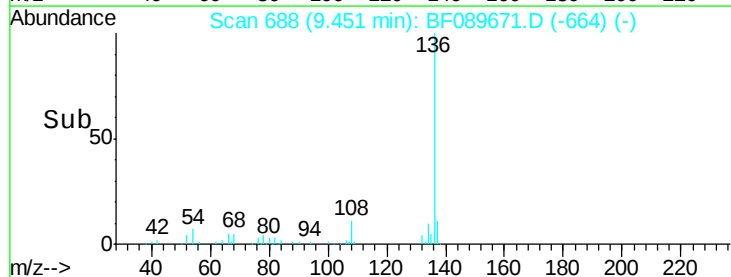
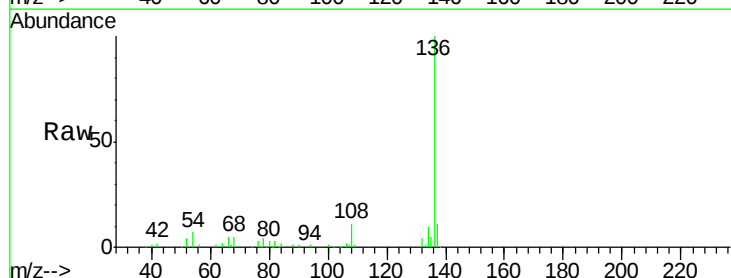
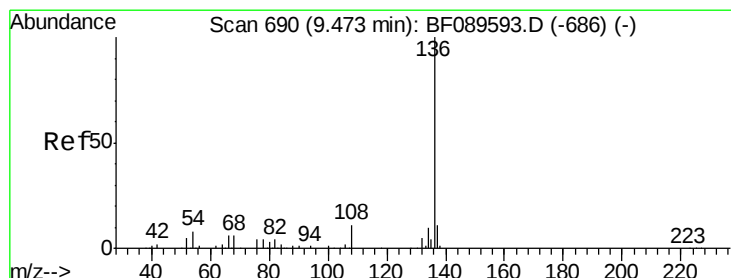
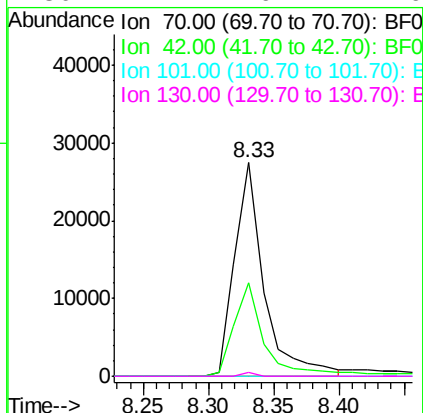




#19
n-Nitroso-di-n-propylamine
Concen: 17.91 ng
RT: 8.33 min Scan# 590
Delta R.T. 0.16 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

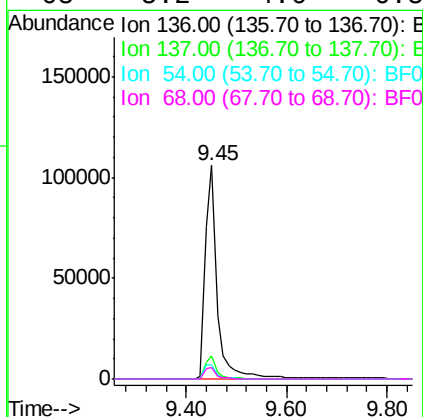
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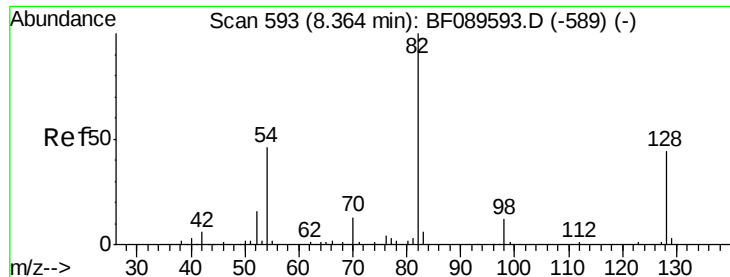
Tgt Ion: 70 Resp: 42943
Ion Ratio Lower Upper
70 100
42 44.1 40.2 60.2
101 0.0 7.8 11.6#
130 2.1 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion: 136 Resp: 177474
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 6.6 6.0 9.0
68 5.2 4.6 6.8

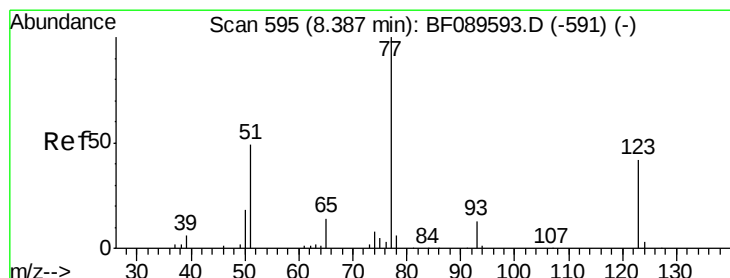
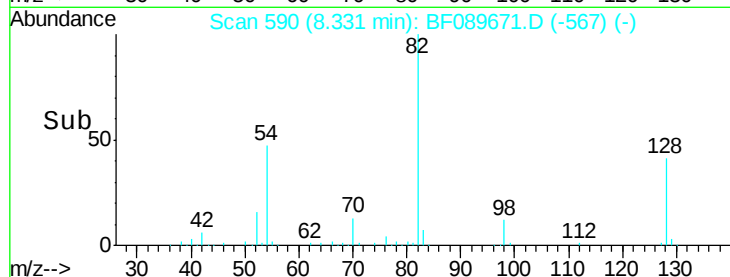
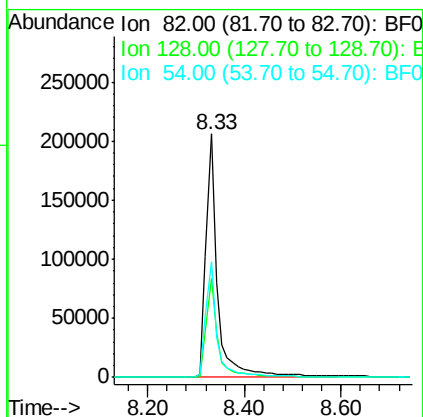
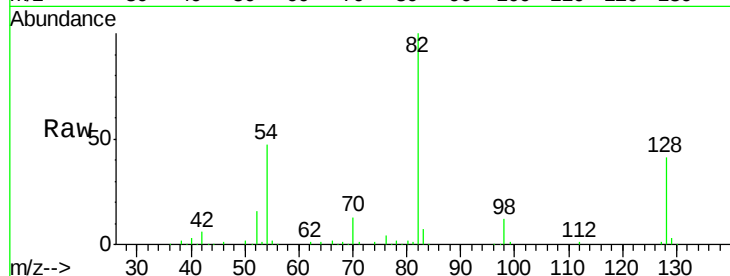




#23
 Nitrobenzene-d5
 Concen: 108.55 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.03 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

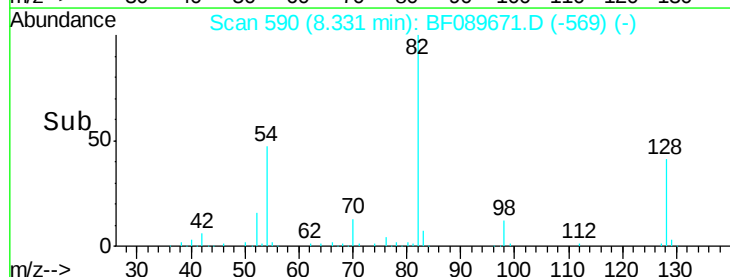
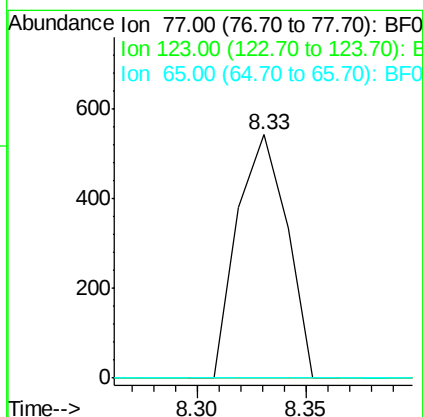
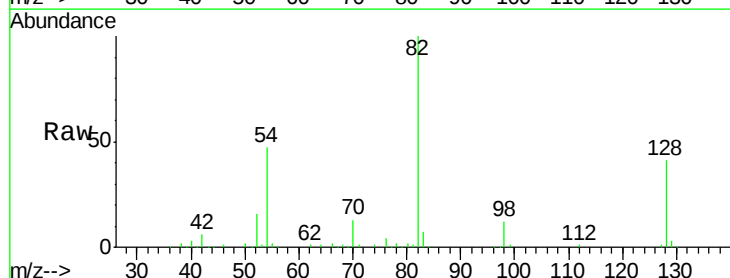
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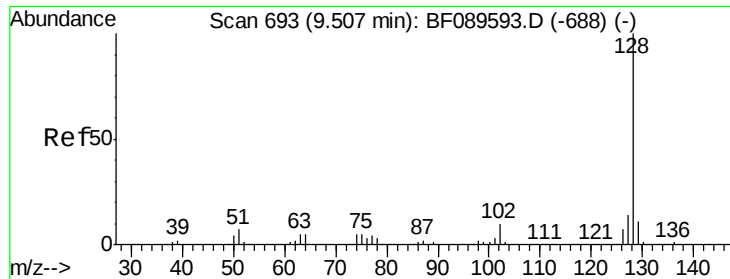
Tgt Ion: 82 Resp: 348304
 Ion Ratio Lower Upper
 82 100
 128 40.7 35.4 53.0
 54 47.3 36.4 54.6



#24
 Nitrobenzene
 Concen: 0.28 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.06 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

Tgt Ion: 77 Resp: 864
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 0.0 11.0 16.6#

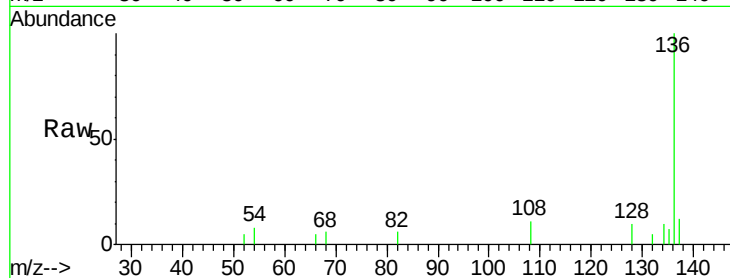




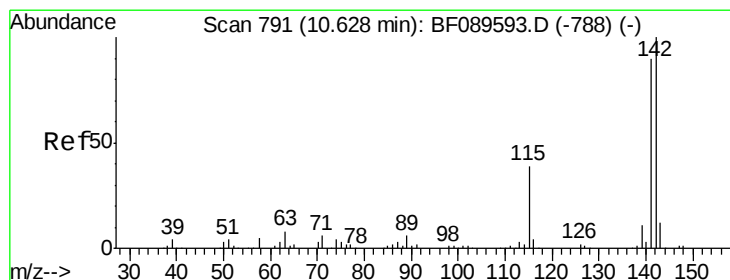
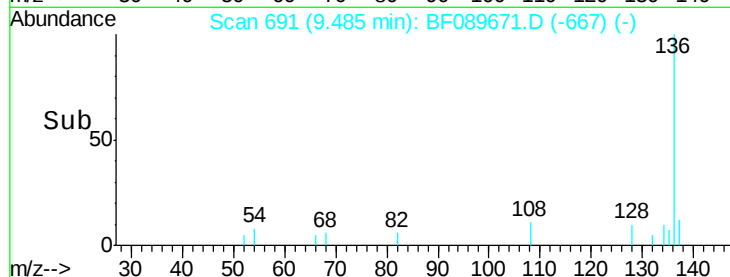
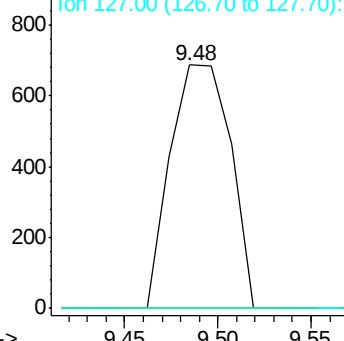
#31
Naphthalene
Concen: 0.16 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.02 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Instrument :
BNA_F
ClientSampleId :
MMA-FL-01

Tgt Ion:128 Resp: 1553
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.9 16.3#

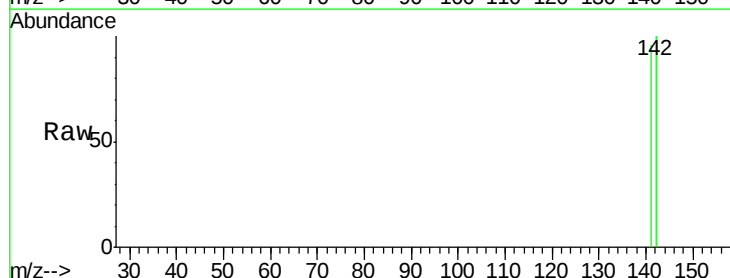


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

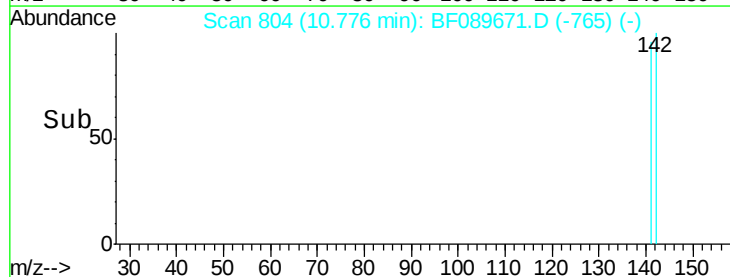
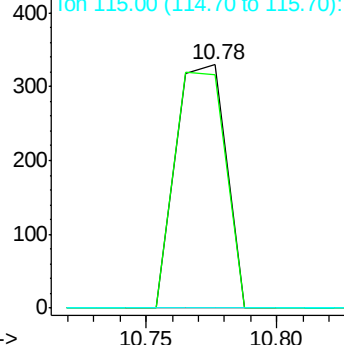


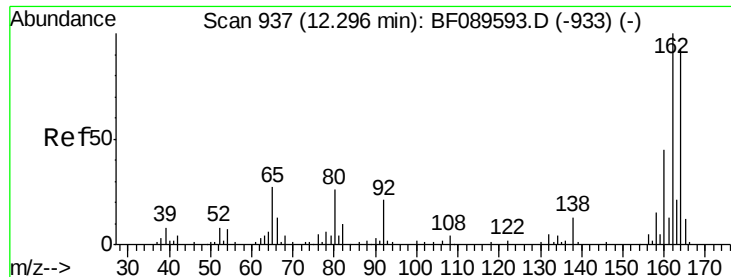
#37
2-Methylnaphthalene
Concen: 0.08 ng
RT: 10.78 min Scan# 804
Delta R.T. 0.15 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion:142 Resp: 444
Ion Ratio Lower Upper
142 100
141 96.1 71.8 107.6
115 0.0 31.0 46.4#



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

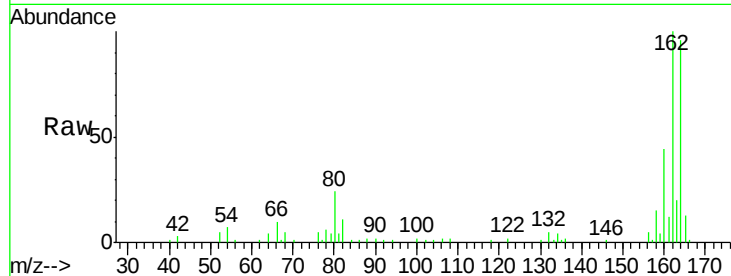




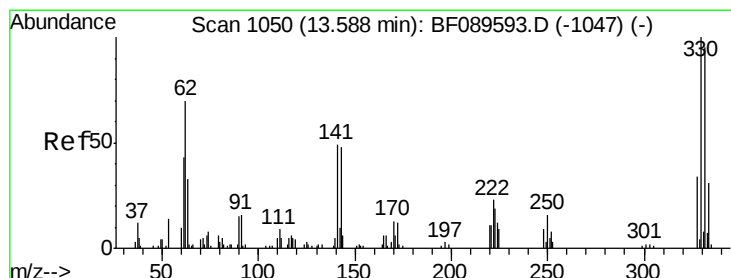
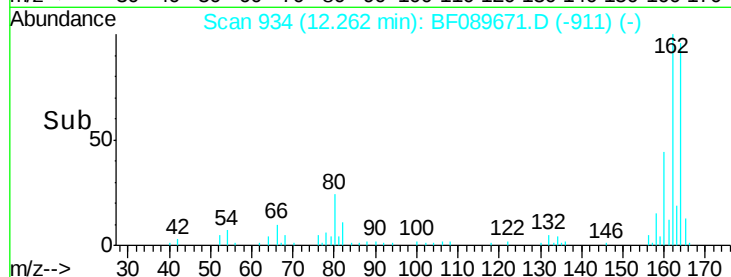
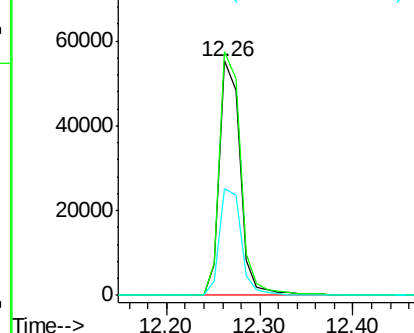
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

Tgt Ion:164 Resp: 85641
 Ion Ratio Lower Upper
 164 100
 162 103.9 85.7 128.5
 160 45.5 38.2 57.4

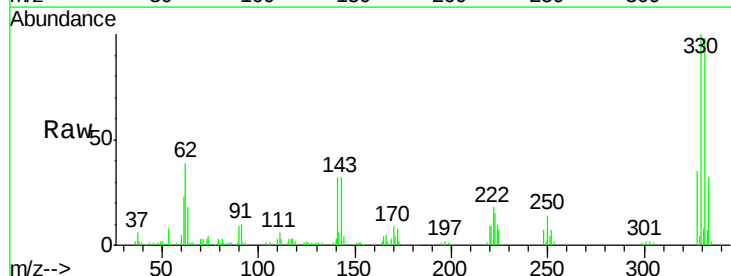


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

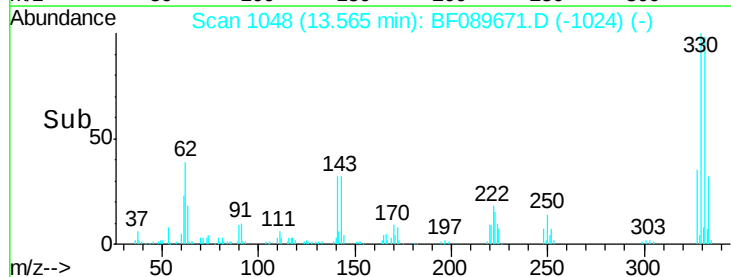
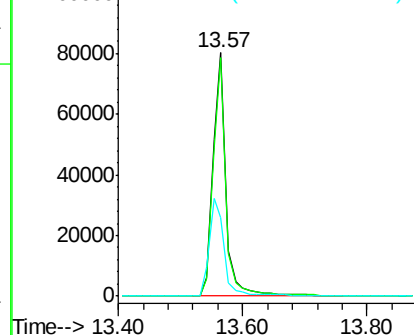


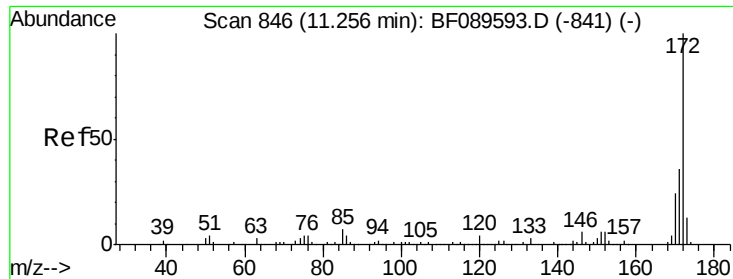
#41
 2,4,6-Tribromophenol
 Concen: 164.03 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

Tgt Ion:330 Resp: 115929
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 46.2 38.6 57.8



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

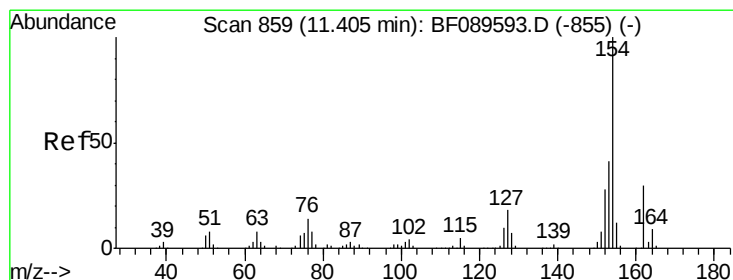
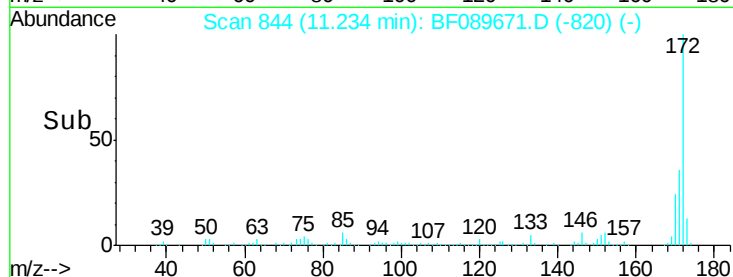
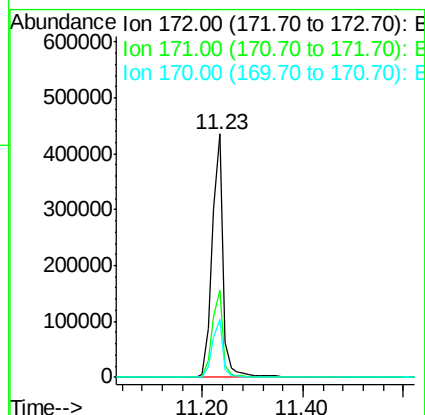
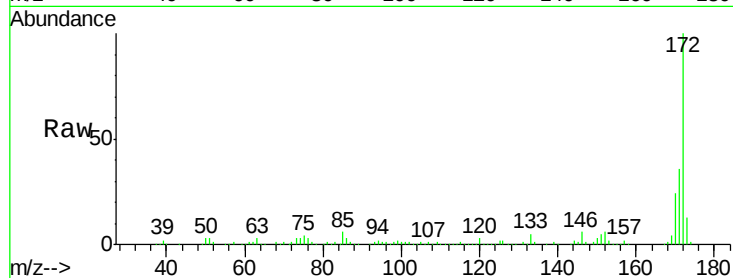




#44
 2-Fluorobiphenyl
 Concen: 99.44 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

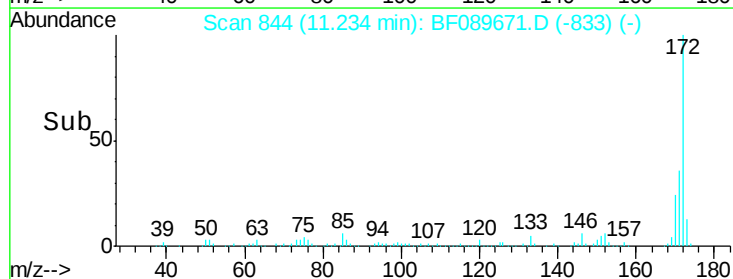
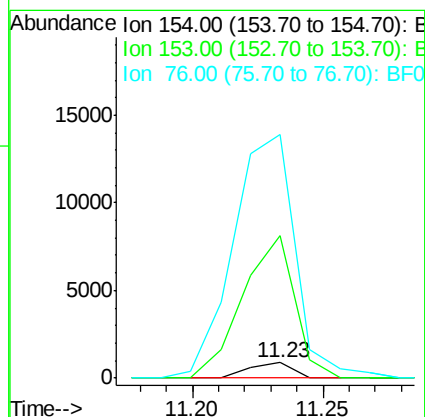
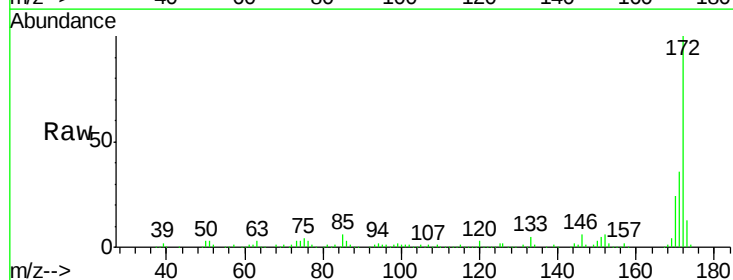
Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

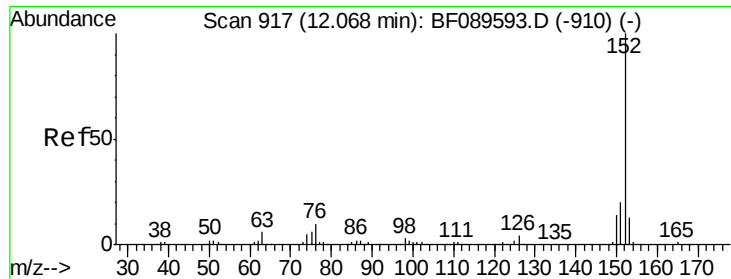
Tgt Ion:172 Resp: 655271
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.9 43.3
 170 23.8 19.0 28.6



#45
 1,1'-Biphenyl
 Concen: 0.13 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.17 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

Tgt Ion:154 Resp: 1003
 Ion Ratio Lower Upper
 154 100
 153 924.8 20.6 60.6#
 76 1586.0 0.0 33.7#





#48

Acenaphthylene

Concen: 0.06 ng

RT: 12.05 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

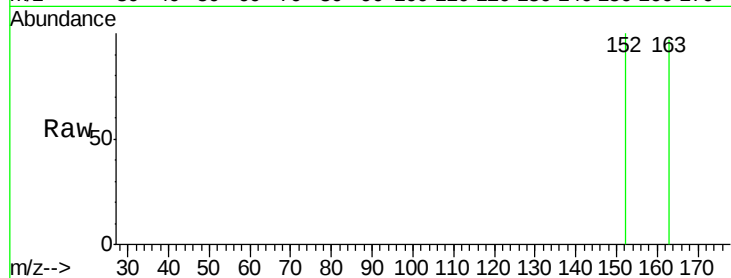
Tgt Ion:152 Resp: 526

Ion Ratio Lower Upper

152 100

151 0.0 16.2 24.4#

153 0.0 10.5 15.7#



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

12.05

400

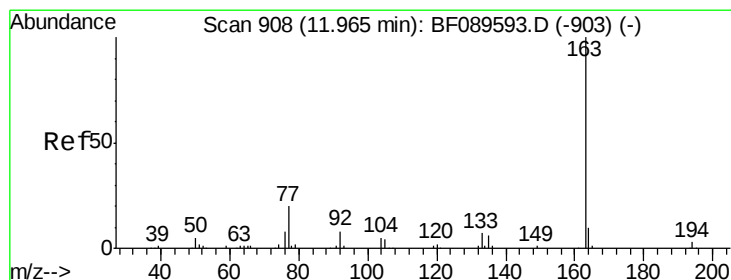
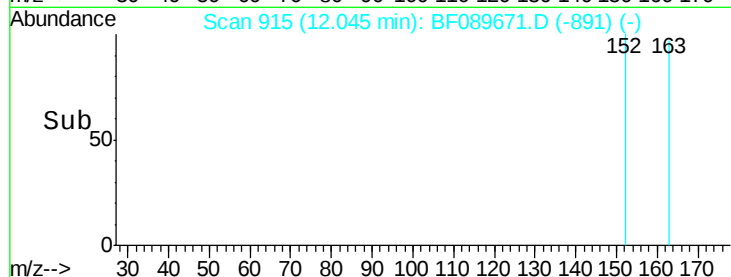
300

200

100

0

Time--> 12.00 12.05



#49

Dimethylphthalate

Concen: 17.40 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

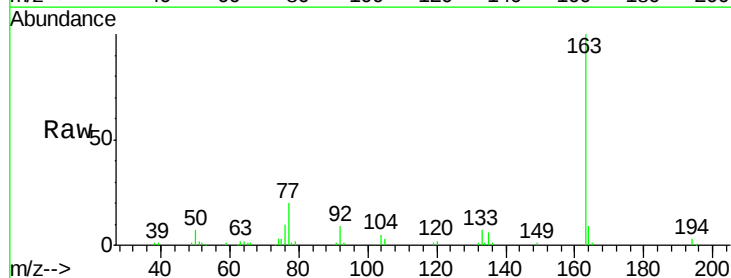
Tgt Ion:163 Resp: 116821

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

164 9.4 7.8 11.6



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

11.92

120000

100000

80000

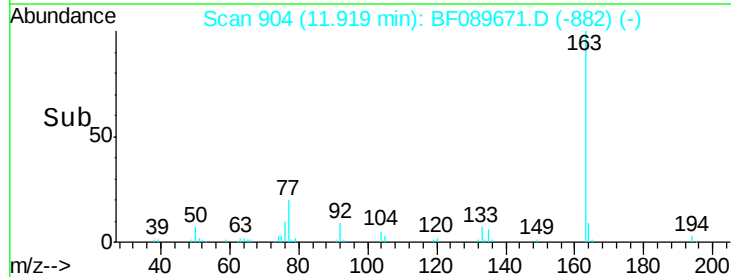
60000

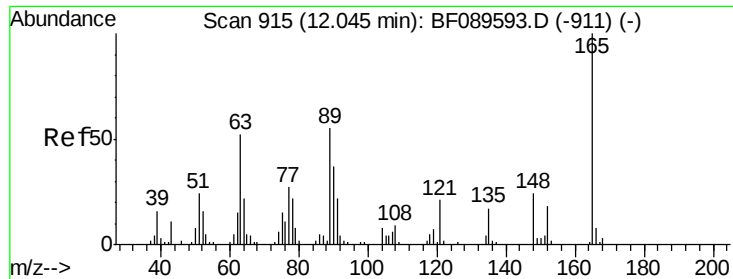
40000

20000

0

Time--> 11.80 12.00





#50

2,6-Dinitrotoluene

Concen: 0.80 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.13 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

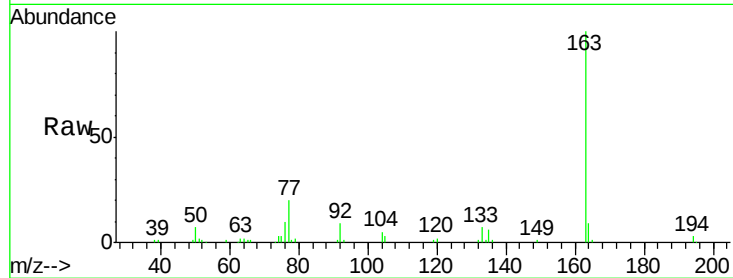
Tgt Ion:165 Resp: 1062

Ion Ratio Lower Upper

165 100

63 136.1 44.6 67.0#

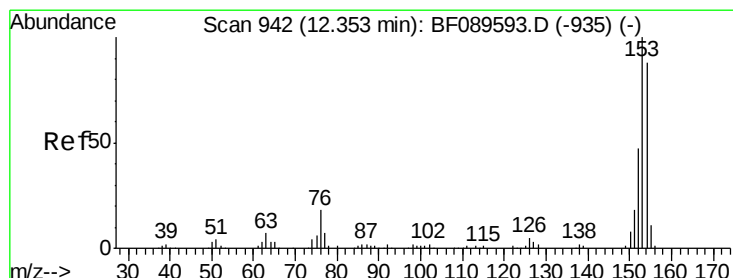
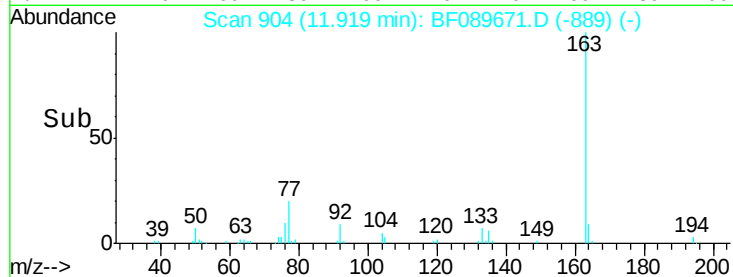
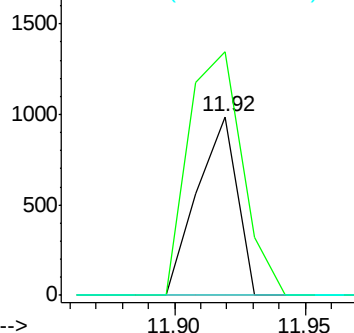
89 0.0 44.2 66.2#



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: 0.10 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

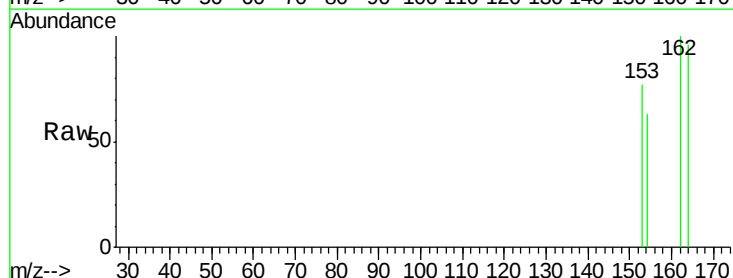
Tgt Ion:154 Resp: 568

Ion Ratio Lower Upper

154 100

153 121.9 91.1 136.7

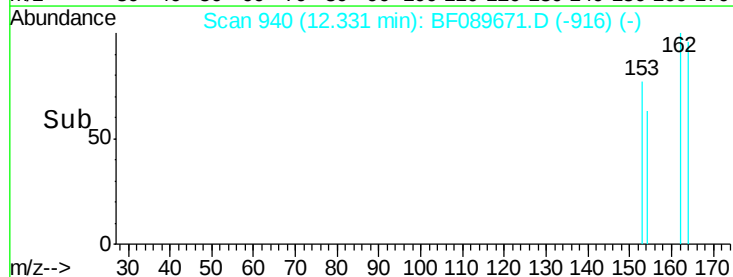
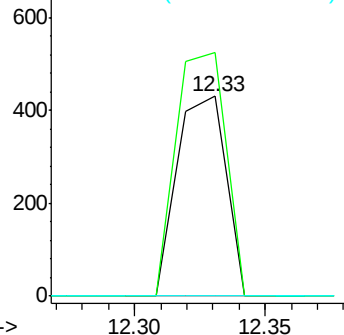
152 0.0 43.5 65.3#

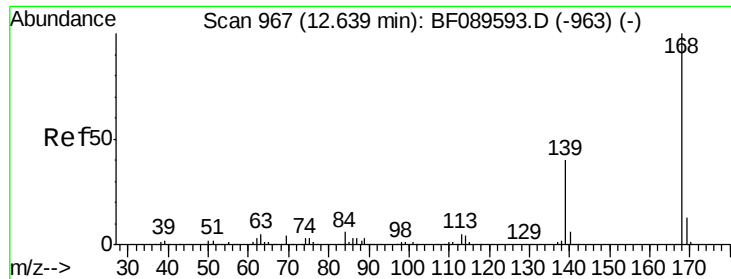


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

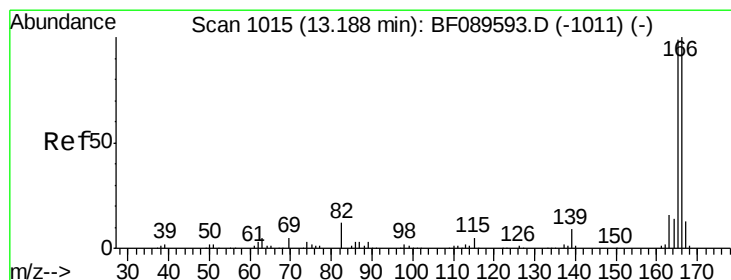
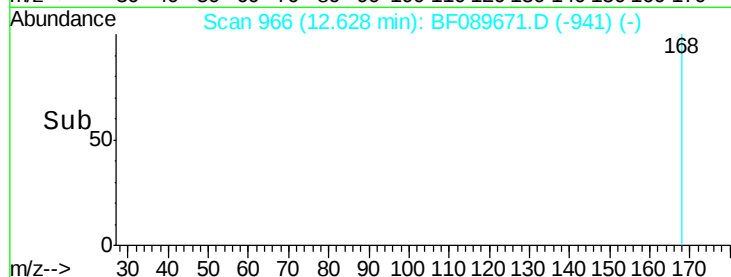
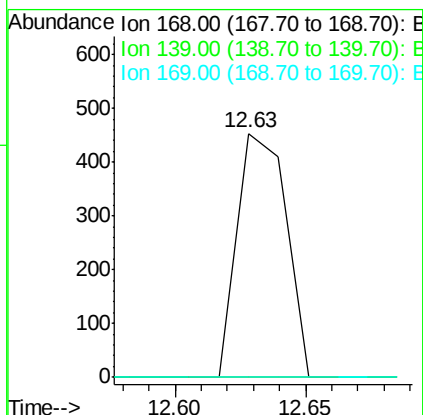
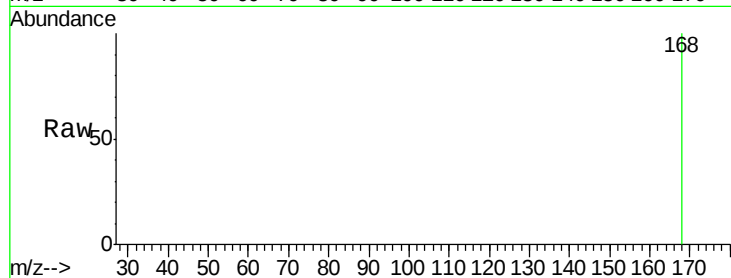




#54
Dibenzenofuran
Concen: 0.08 ng
RT: 12.63 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

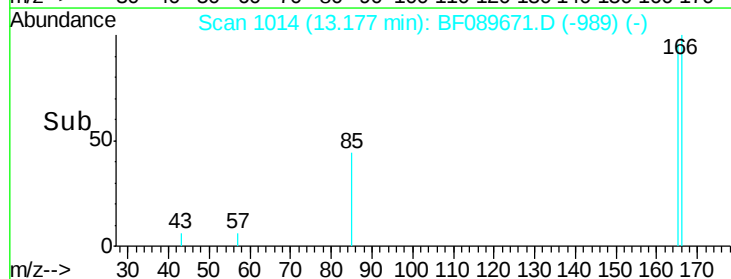
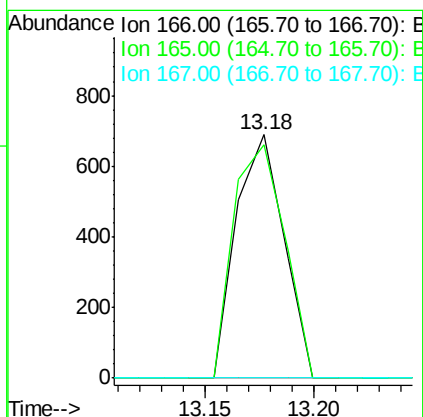
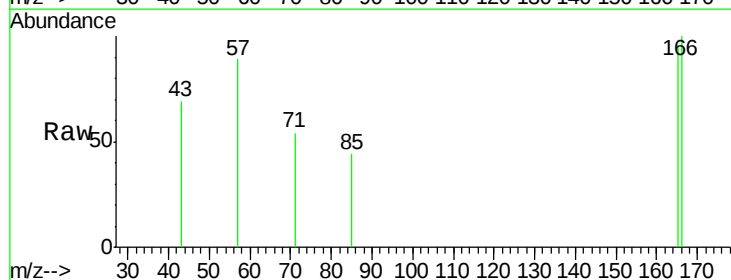
Instrument :
BNA_F
ClientSampleId :
MMA-FL-01

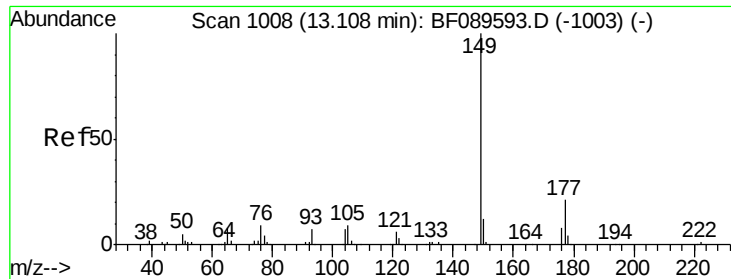
Tgt Ion:168 Resp: 592
Ion Ratio Lower Upper
168 100
139 0.0 32.3 48.5#
169 0.0 10.6 15.8#



#57
Fluorene
Concen: 0.16 ng
RT: 13.18 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion:166 Resp: 1051
Ion Ratio Lower Upper
166 100
165 95.9 78.9 118.3
167 0.0 10.4 15.6#

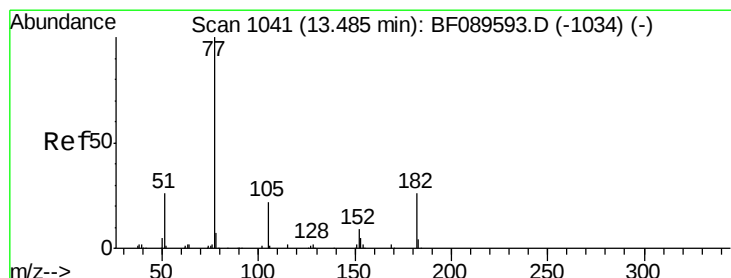
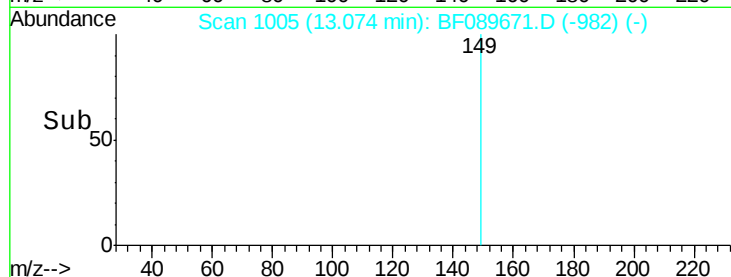
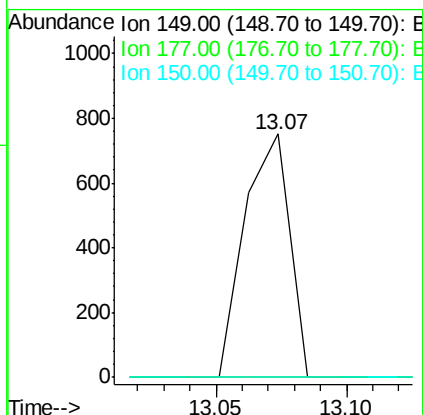
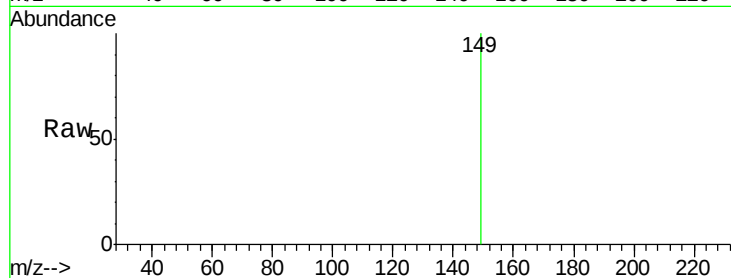




#59
Diethylphthalate
Concen: 0.13 ng
RT: 13.07 min Scan# 1005
Delta R.T. -0.03 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

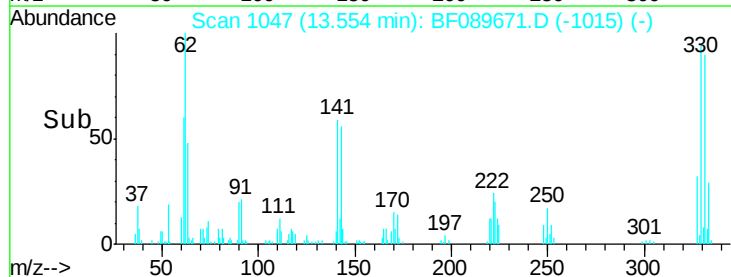
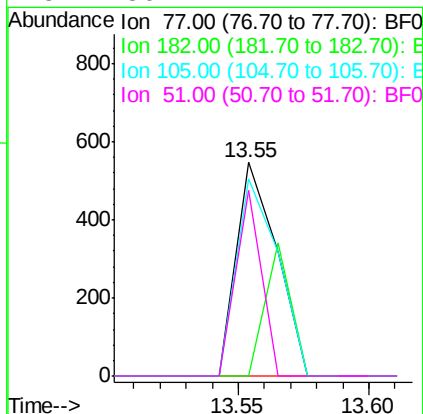
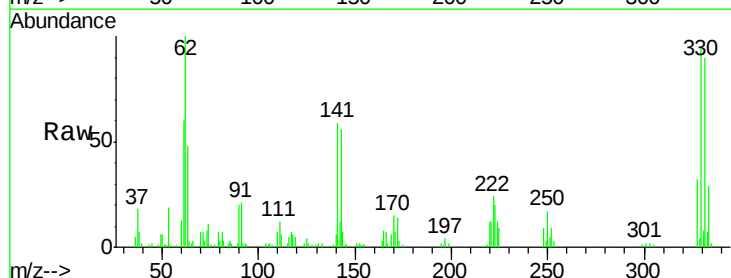
Instrument :
BNA_F
ClientSampleId :
MMA-FL-01

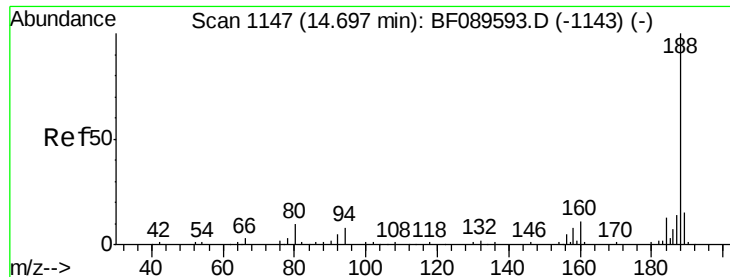
Tgt Ion: 149 Resp: 908
Ion Ratio Lower Upper
149 100
177 0.0 16.8 25.2#
150 0.0 9.6 14.4#



#62
Azobenzene
Concen: 0.09 ng
RT: 13.55 min Scan# 1047
Delta R.T. 0.07 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion: 77 Resp: 593
Ion Ratio Lower Upper
77 100
182 0.0 5.8 45.8#
105 92.1 2.9 42.9#
51 86.7 7.2 47.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

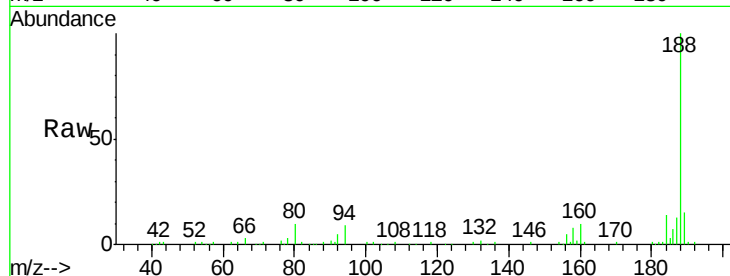
Tgt Ion:188 Resp: 161901

Ion Ratio Lower Upper

188 100

94 9.2 6.5 9.7

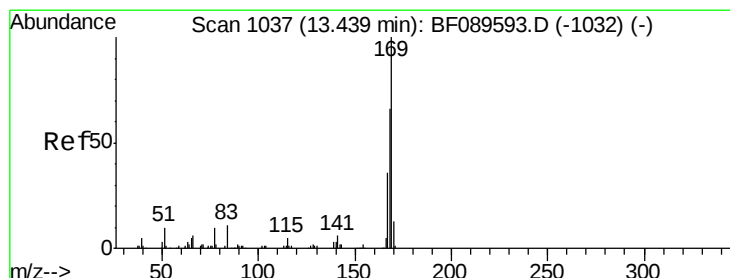
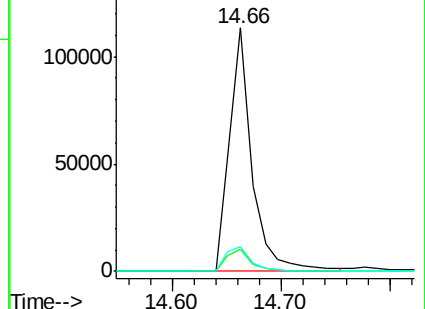
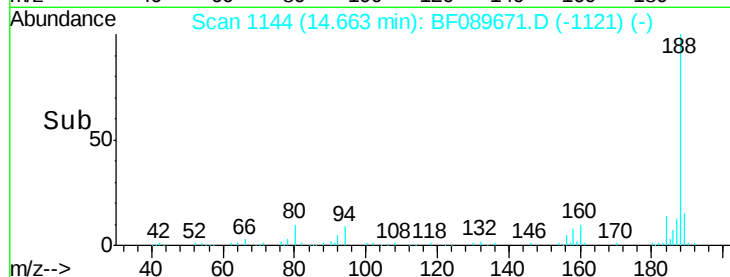
80 10.3 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 0.86 ng

RT: 13.55 min Scan# 1047

Delta R.T. 0.11 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

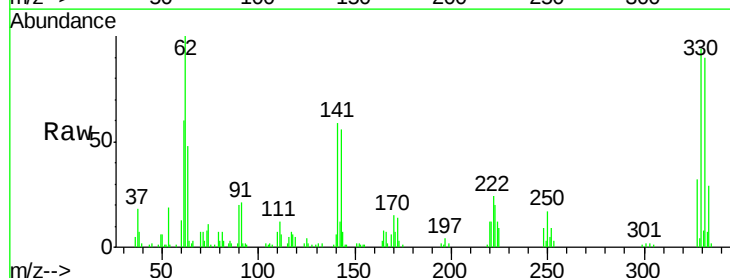
Tgt Ion:169 Resp: 4720

Ion Ratio Lower Upper

169 100

168 0.0 54.2 81.2#

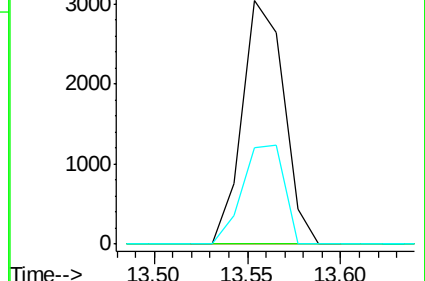
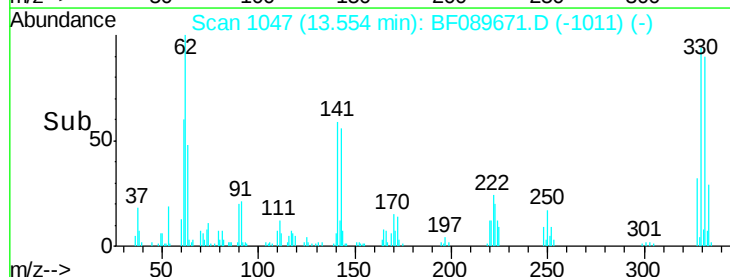
167 39.8 28.9 43.3

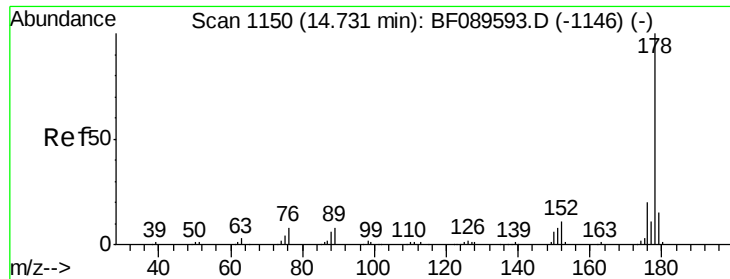


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

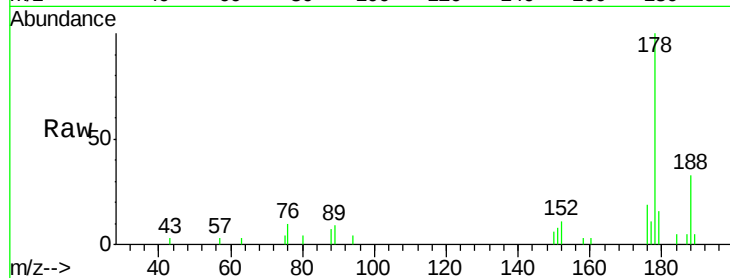




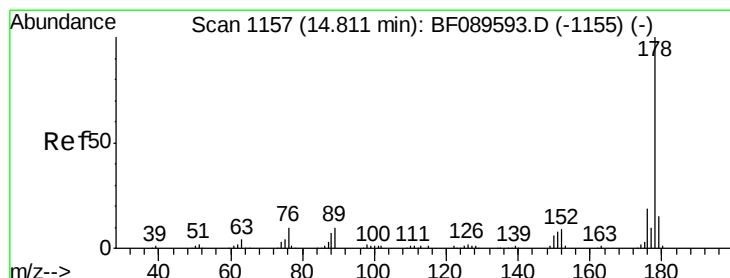
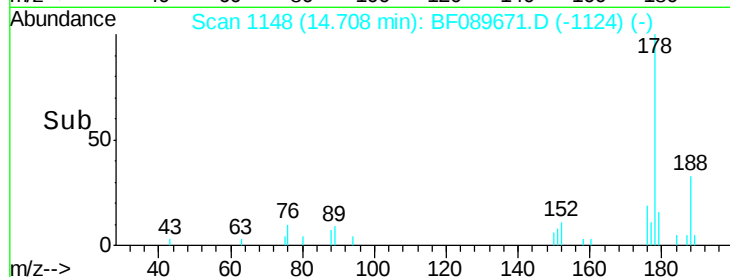
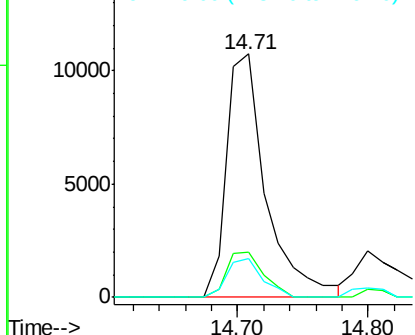
#70
Phenanthrene
Concen: 2.57 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Instrument :
BNA_F
ClientSampleId :
MMA-FL-01

Tgt Ion:178 Resp: 22655
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 16.1 12.2 18.2

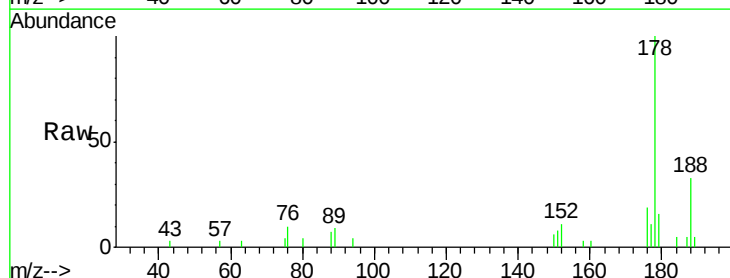


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

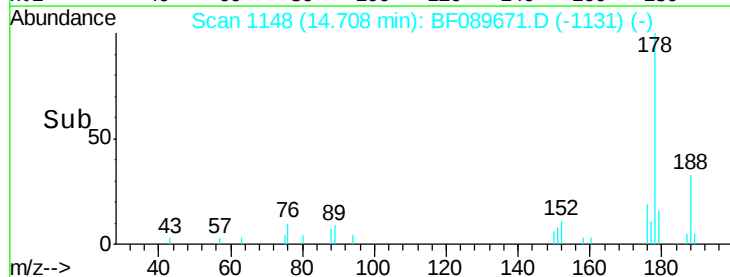
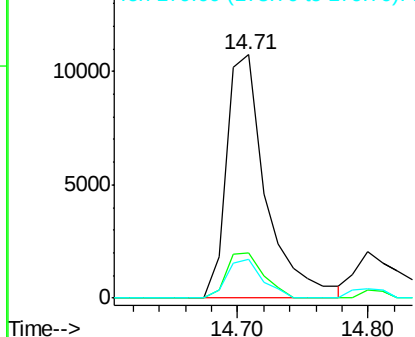


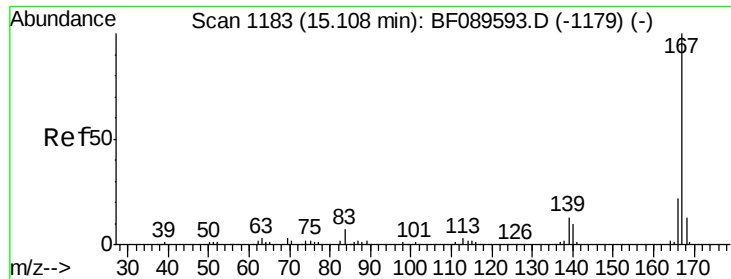
#71
Anthracene
Concen: 2.40 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.10 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion:178 Resp: 22655
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 16.1 12.4 18.6



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





#72

Carbazole

Concen: 0.10 ng

RT: 15.12 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

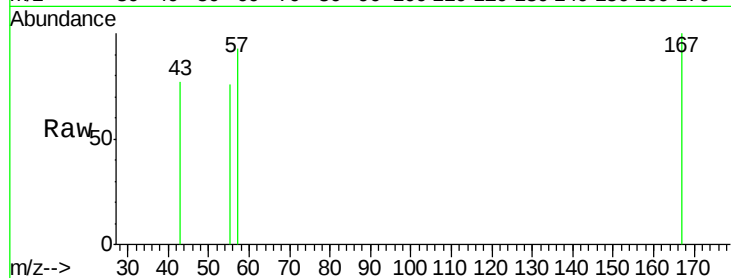
Tgt Ion:167 Resp: 812

Ion Ratio Lower Upper

167 100

166 0.0 17.5 26.3#

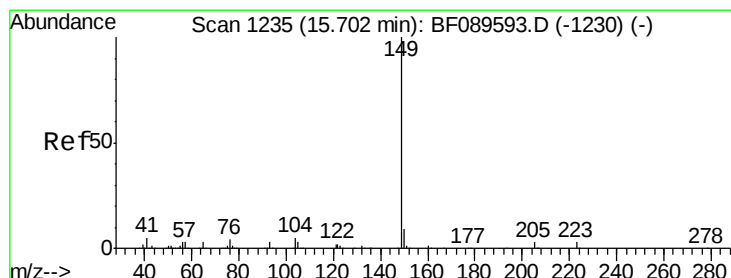
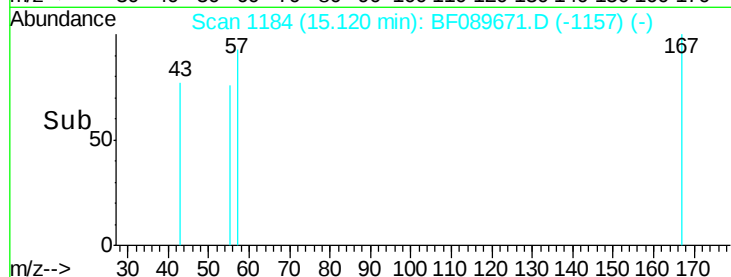
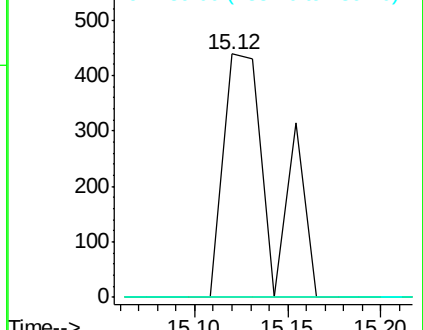
139 0.0 10.4 15.6#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.09 ng

RT: 15.67 min Scan# 1232

Delta R.T. -0.03 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

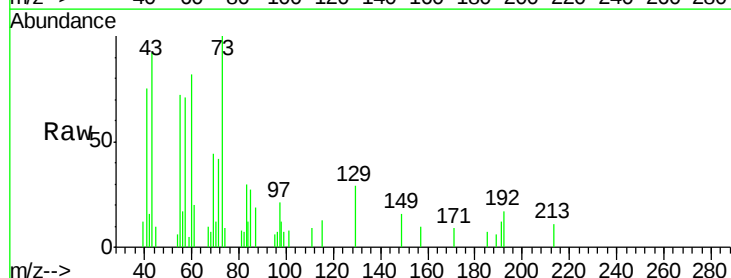
Tgt Ion:149 Resp: 1010

Ion Ratio Lower Upper

149 100

150 0.0 7.2 10.8#

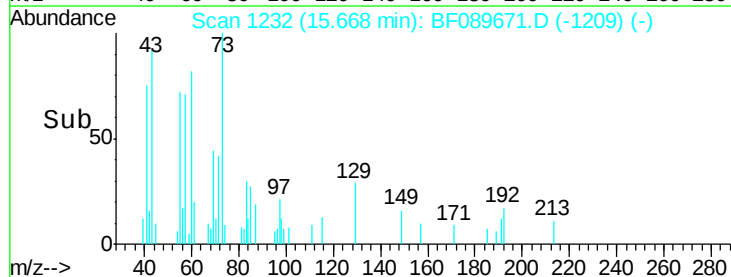
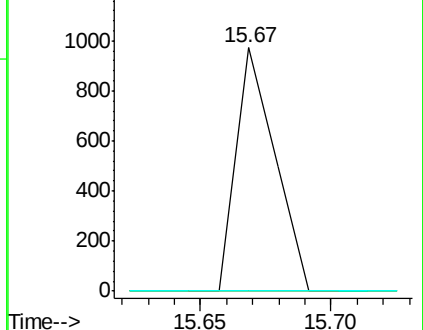
104 0.0 3.8 5.8#

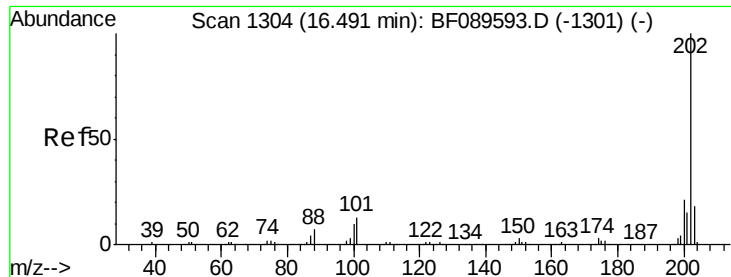


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

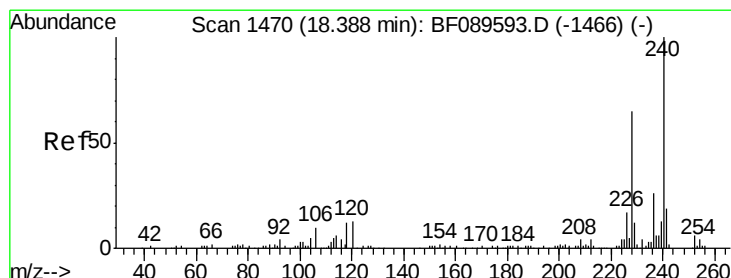
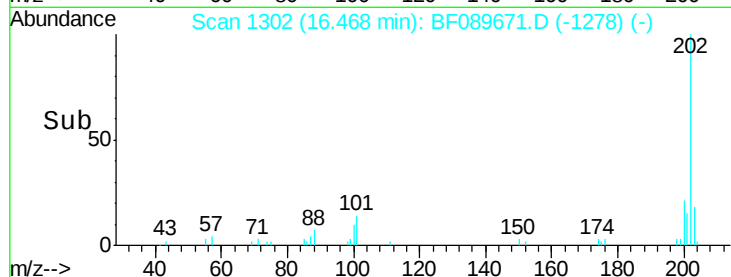
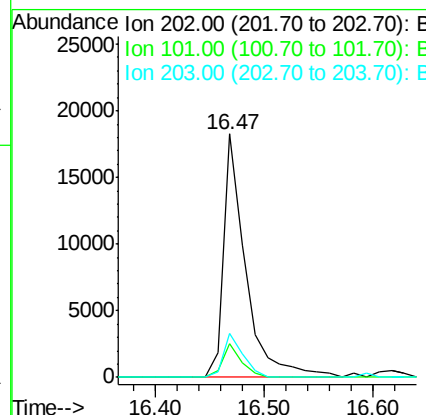
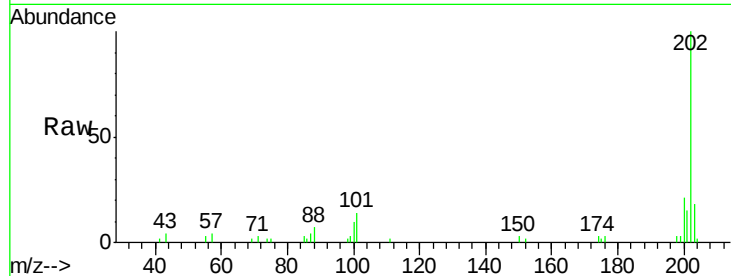




#74
Fluoranthene
 Concen: 2.86 ng
 RT: 16.47 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

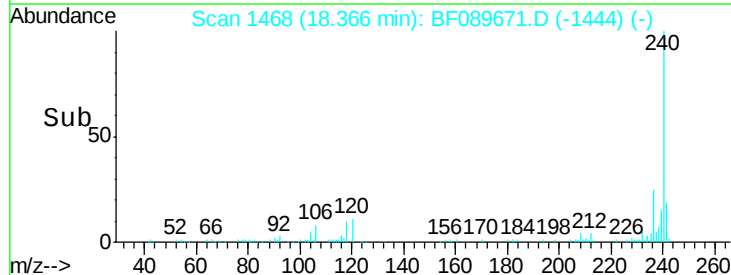
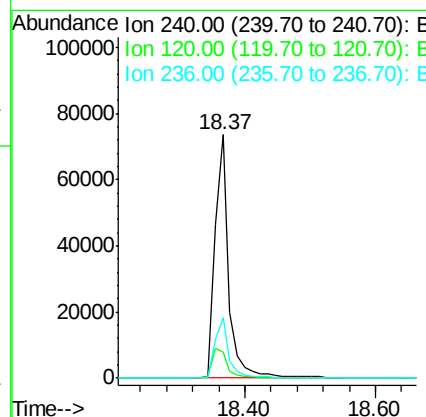
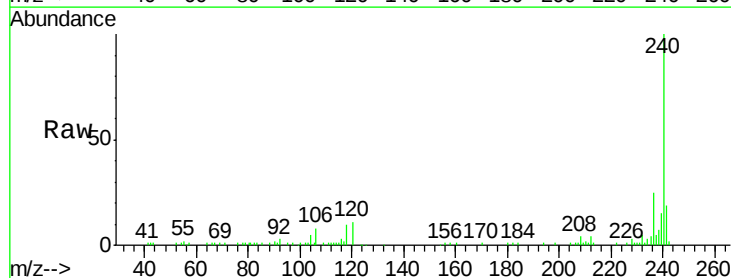
Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

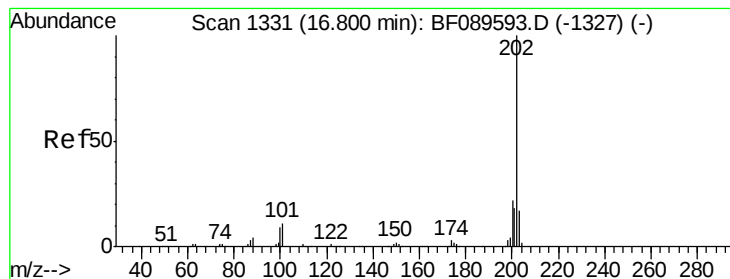
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	32.7
203	18.2	0.0	37.8



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.37 min Scan# 1468
 Delta R.T. -0.02 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.6	15.8
236	25.0	20.6	30.8





#77

Pyrene

Concen: 2.19 ng

RT: 16.78 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

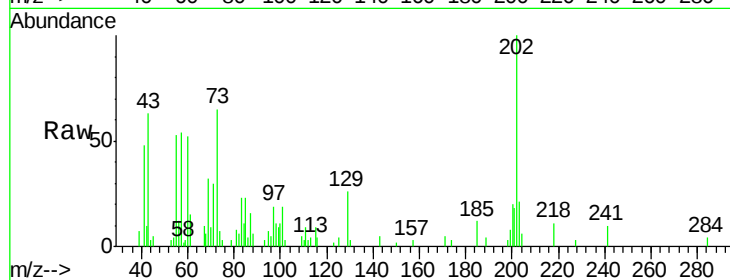
Tgt Ion:202 Resp: 21173

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.0

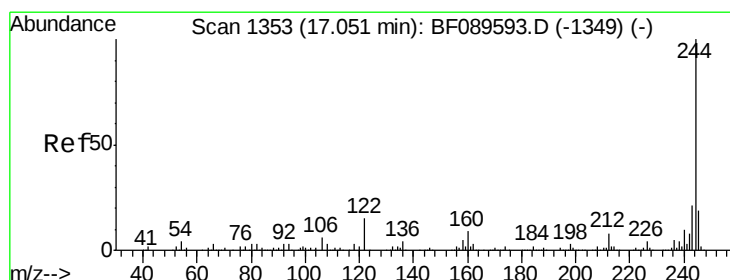
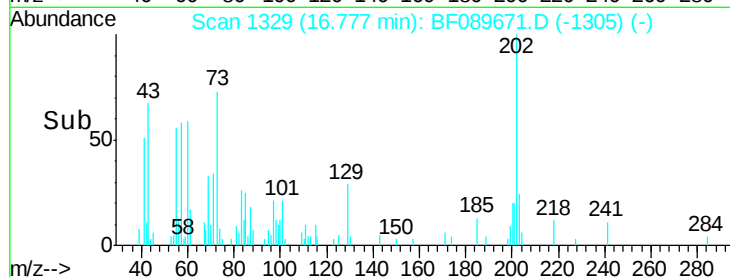
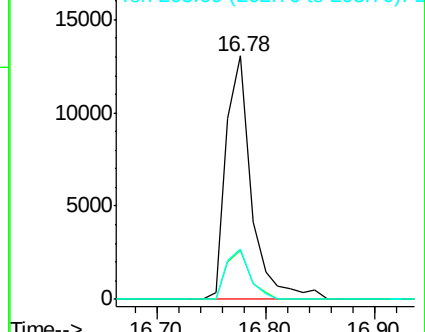
203 20.9 13.6 20.4#



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: 100.35 ng

RT: 17.03 min Scan# 1351

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

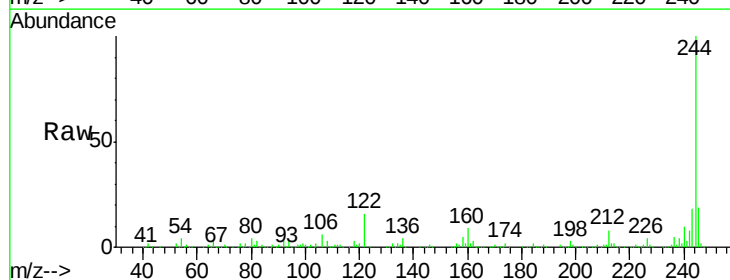
Tgt Ion:244 Resp: 556202

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

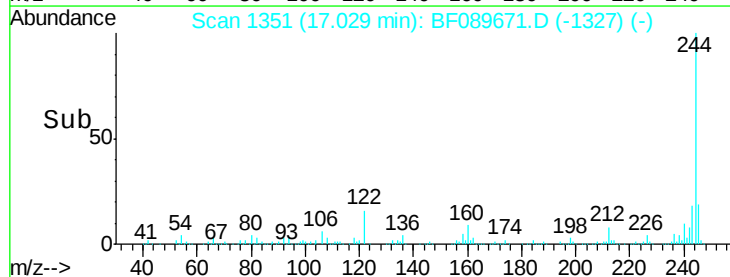
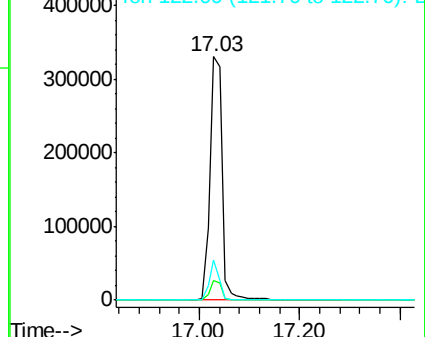
122 16.5 12.2 18.2

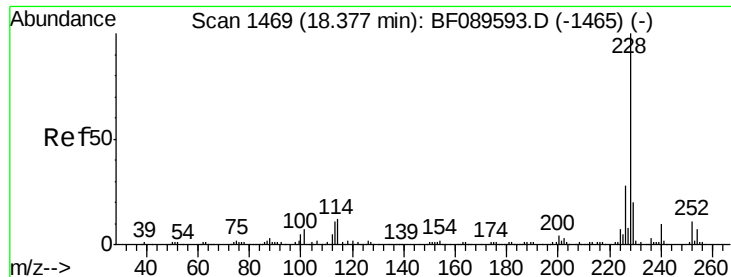


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 1.37 ng

RT: 18.35 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

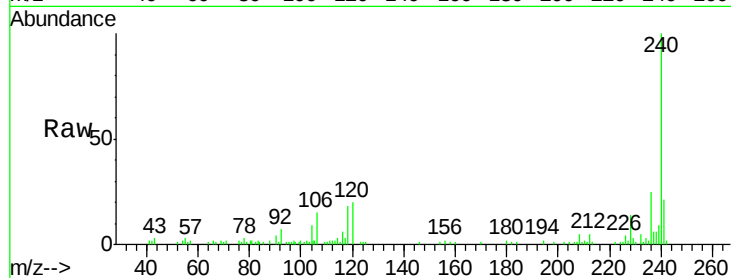
Tgt Ion:228 Resp: 8595

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

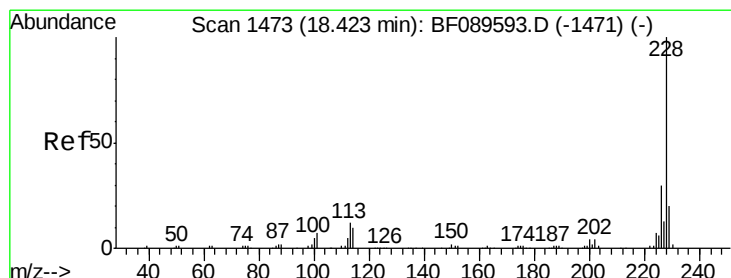
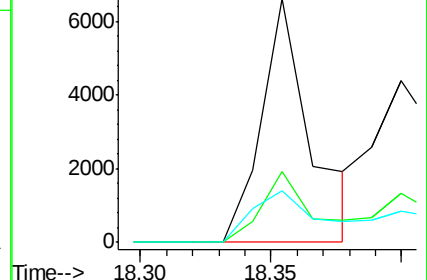
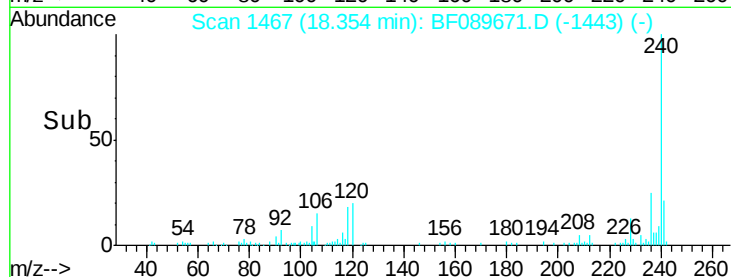
229 21.3 15.9 23.9



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: 1.34 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

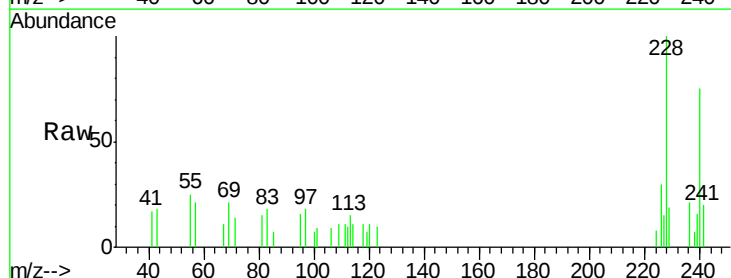
Tgt Ion:228 Resp: 8821

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

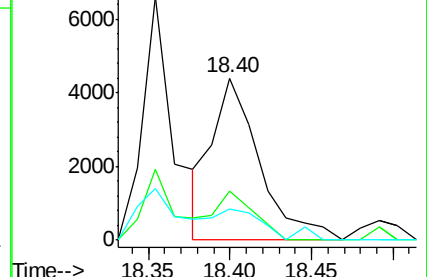
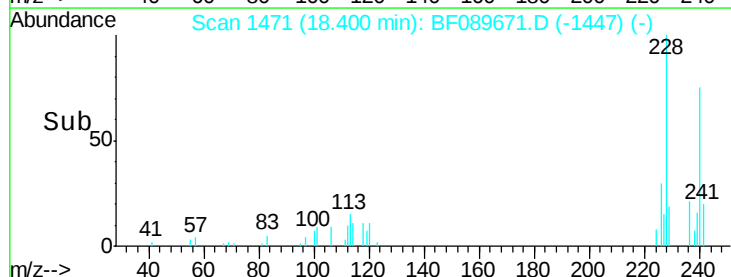
229 19.5 16.0 24.0

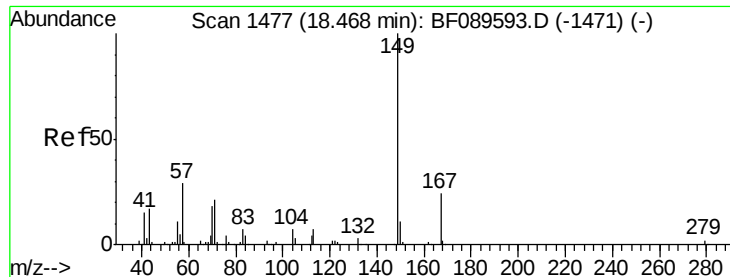


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.33 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.02 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

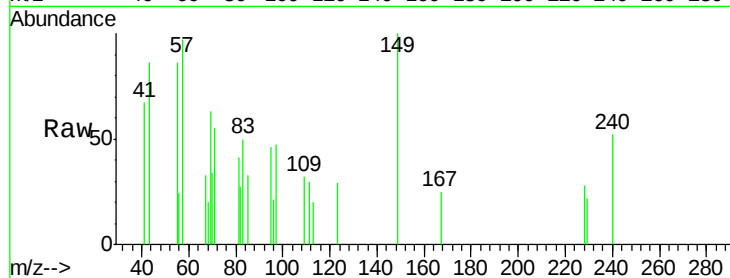
Tgt Ion:149 Resp: 1865

Ion Ratio Lower Upper

149 100

167 25.0 19.0 28.4

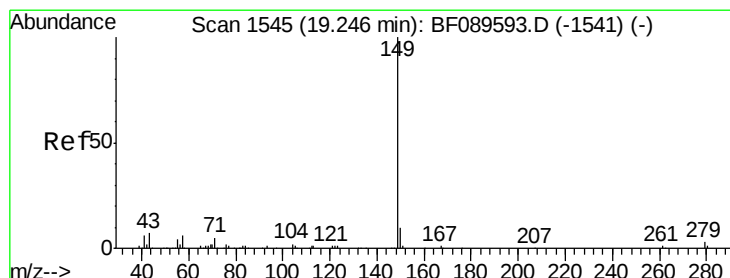
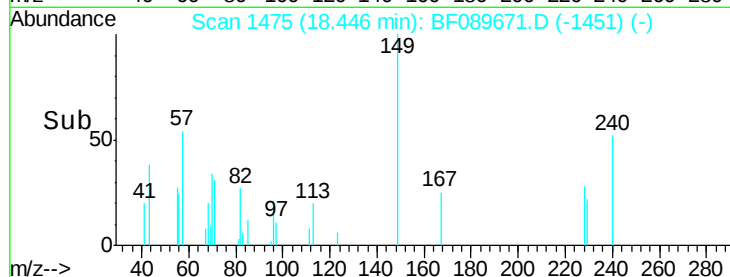
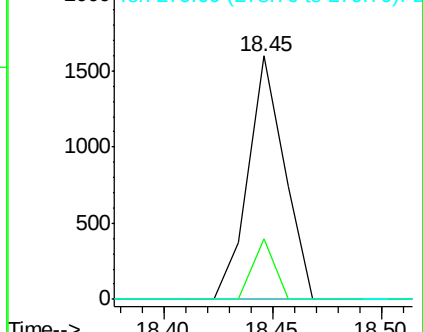
279 0.0 1.8 2.6#



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: 0.12 ng

RT: 19.26 min Scan# 1546

Delta R.T. 0.01 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

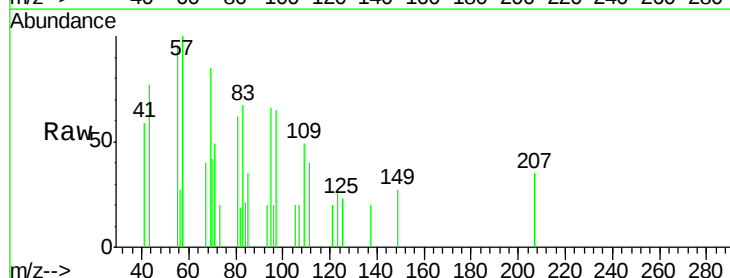
Tgt Ion:149 Resp: 1018

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

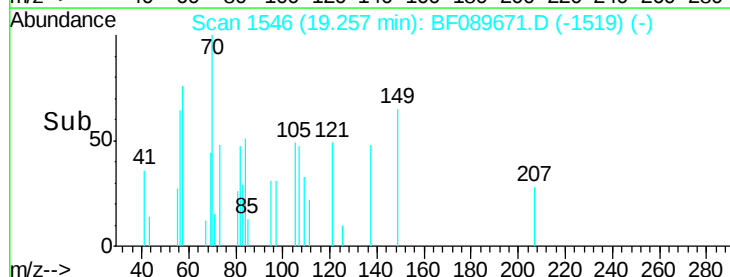
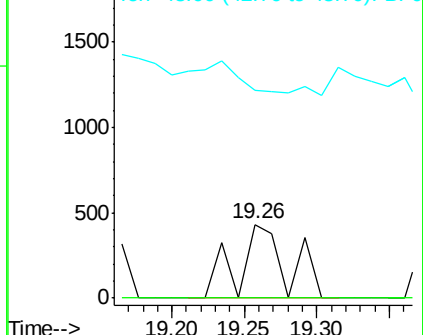
43 0.0 7.0 10.4#

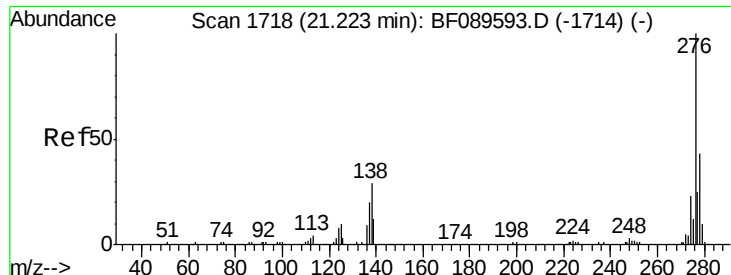


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

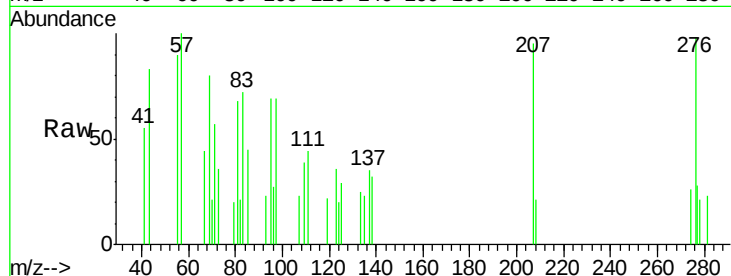




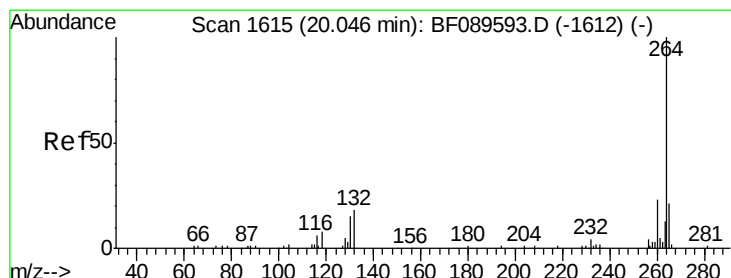
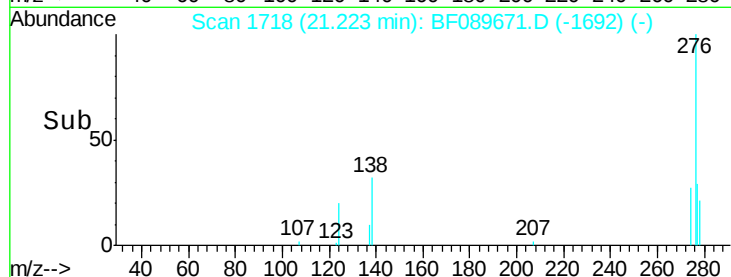
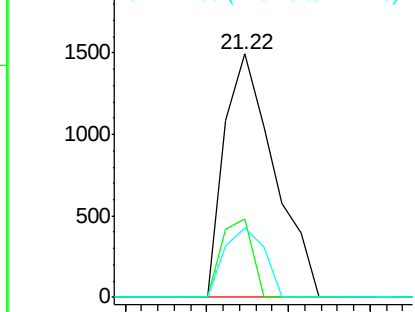
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.63 ng
 RT: 21.22 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

Tgt Ion: 276 Resp: 3155
 Ion Ratio Lower Upper
 276 100
 138 19.7 23.8 35.8#
 277 22.8 20.3 30.5

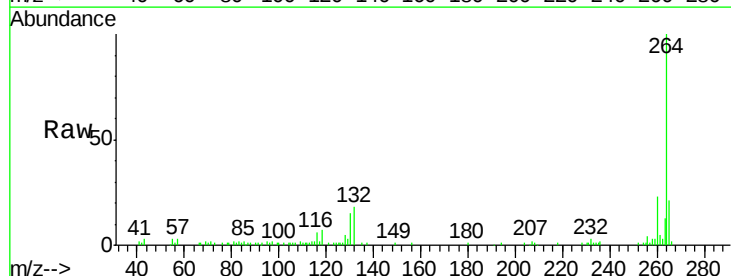


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

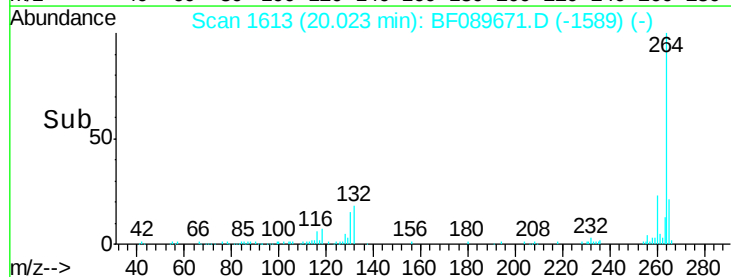
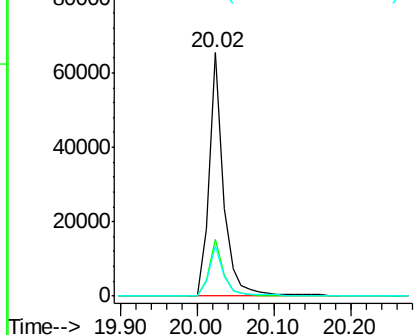


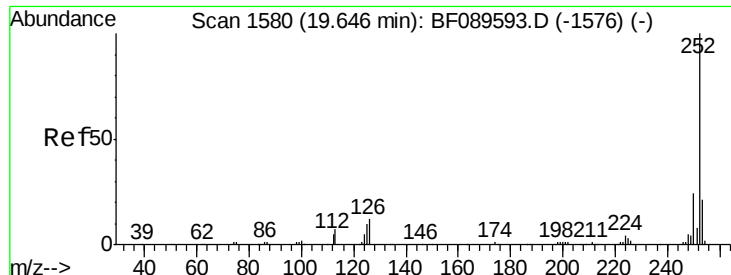
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF089671.D
 Acq: 8 Aug 2016 20:41

Tgt Ion: 264 Resp: 85095
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 20.8 16.5 24.7



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

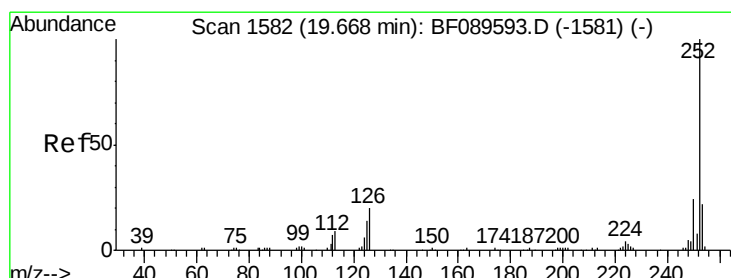
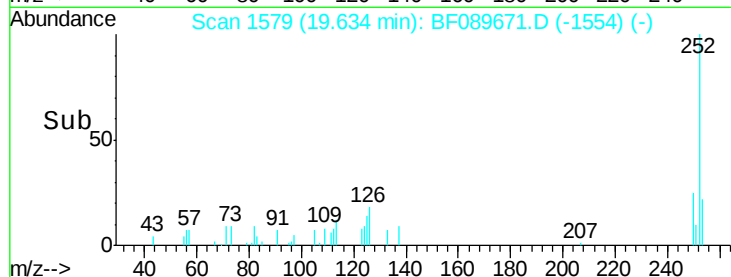
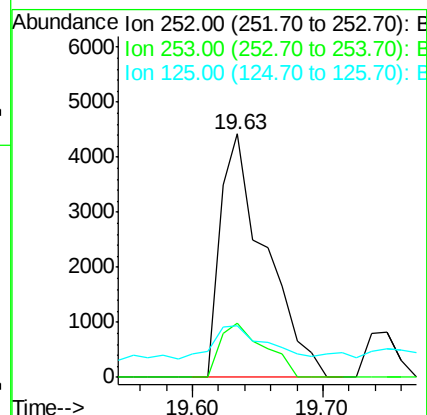
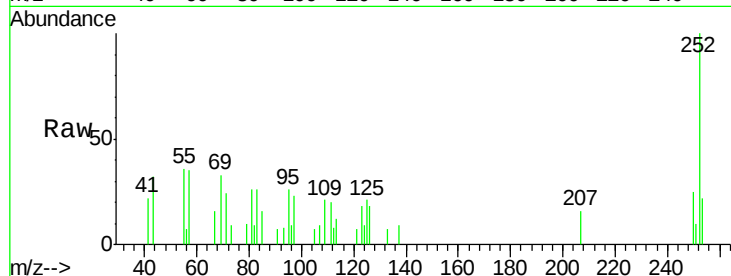




#87
Benzo(b)fluoranthene
Concen: 2.04 ng
RT: 19.63 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

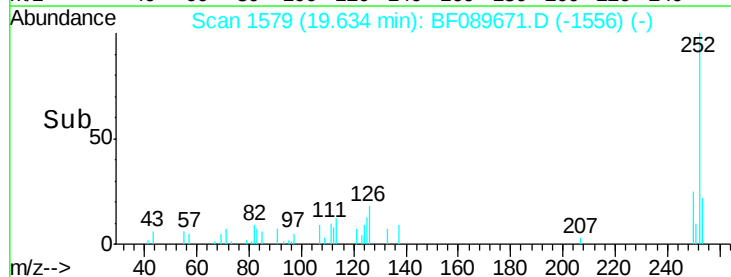
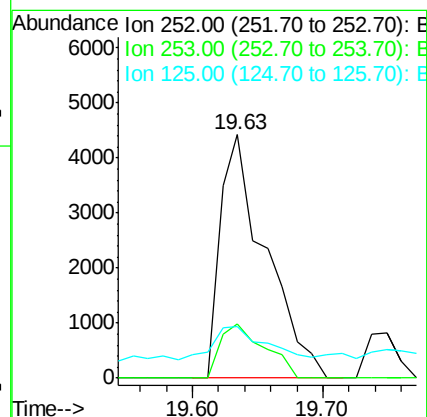
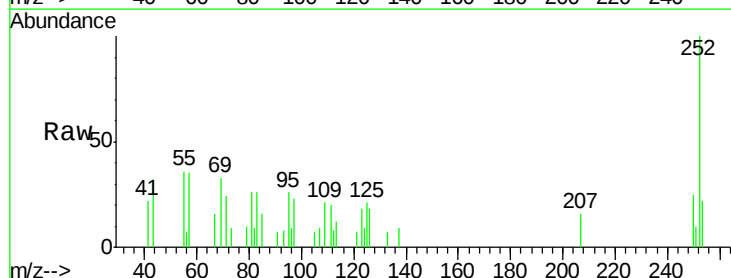
Instrument :
BNA_F
ClientSampleId :
MMA-FL-01

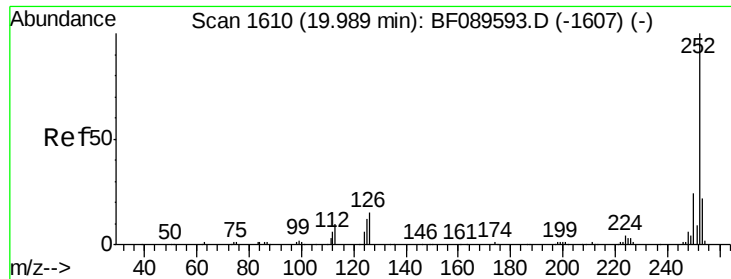
Tgt Ion: 252 Resp: 10660
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 21.0 7.8 11.8#



#88
Benzo(k)fluoranthene
Concen: 2.02 ng
RT: 19.63 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BF089671.D
Acq: 8 Aug 2016 20:41

Tgt Ion: 252 Resp: 10660
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 21.0 11.0 16.6#





#89

Benzo(a)pyrene

Concen: 1.21 ng

RT: 19.98 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

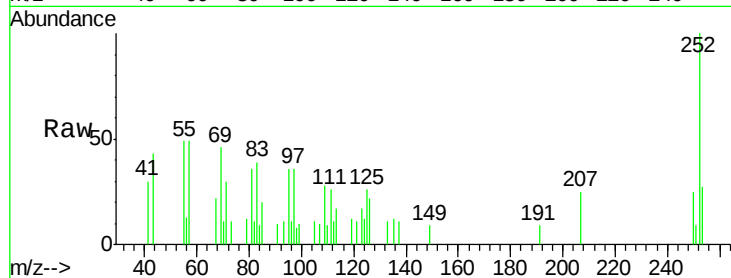
Tgt Ion:252 Resp: 5942

Ion Ratio Lower Upper

252 100

253 26.8 17.4 26.0#

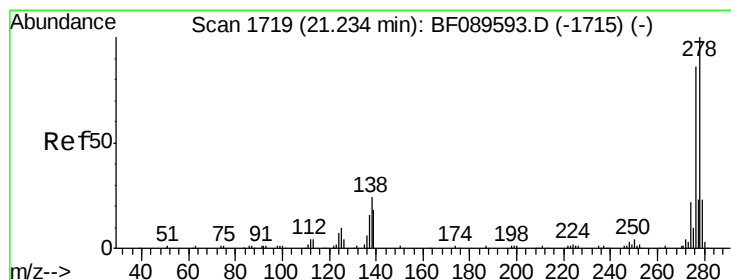
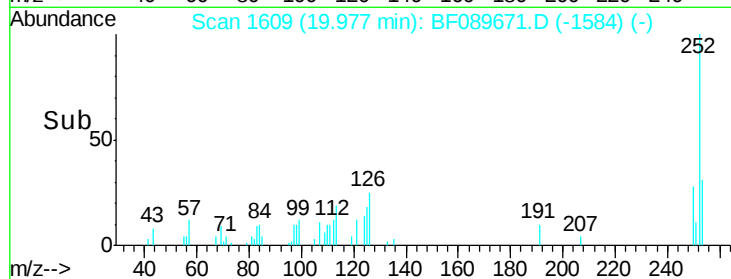
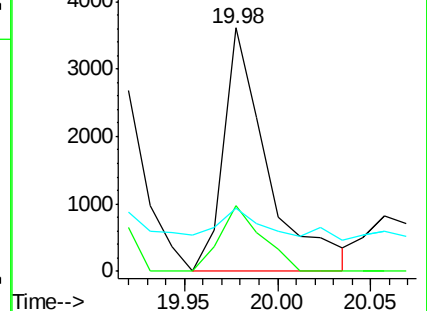
125 26.2 9.9 14.9#



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: 0.10 ng

RT: 21.23 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

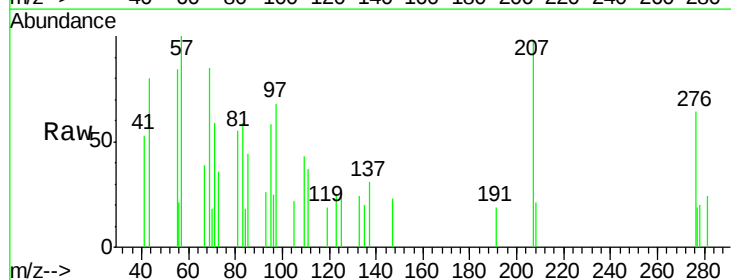
Tgt Ion:278 Resp: 441

Ion Ratio Lower Upper

278 100

139 0.0 14.6 21.8#

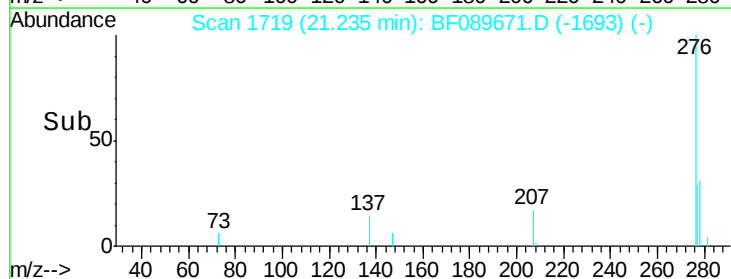
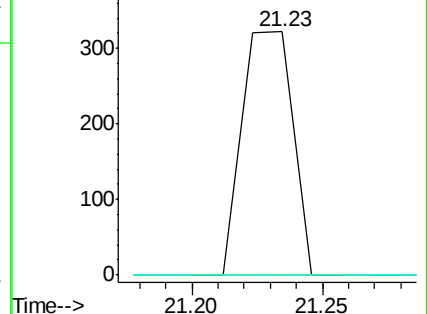
279 0.0 18.4 27.6#

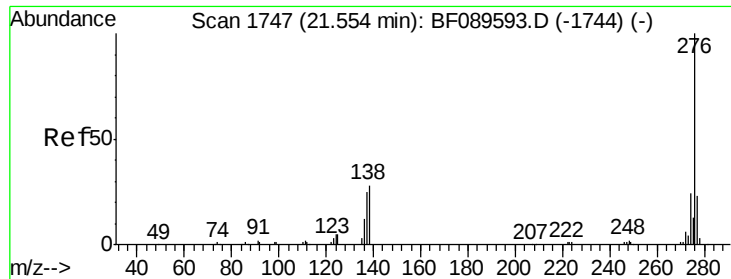


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.66 ng

RT: 21.55 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BF089671.D

Acq: 8 Aug 2016 20:41

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

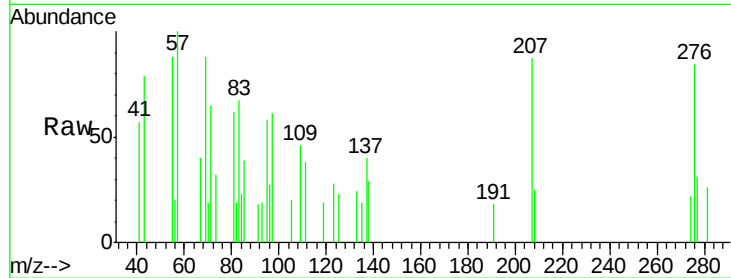
Tgt Ion: 276 Resp: 3105

Ion Ratio Lower Upper

276 100

277 36.5 18.6 28.0#

138 35.2 22.6 33.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

