

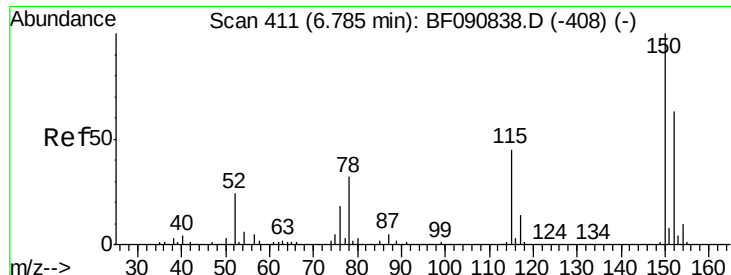
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090997.D
 Acq On : 2 Nov 2016 23:13
 Operator : UM/SJ
 Sample : H5411-05RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-8.5-9.0RE

Quant Time: Nov 02 23:15:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	166432	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	670033	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	312840	20.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	434648	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	365409	20.00	ng	-0.02
86) Perylene-d12	15.29	264	313393	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1136559	119.40	ng	-0.01
7) Phenol-d6	6.37	99	1614047	125.68	ng	-0.02
23) Nitrobenzene-d5	7.29	82	809384	79.08	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	292429	90.96	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1221785	68.58	ng	-0.02
78) Terphenyl-d14	12.83	244	795374	54.84	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	6.88	79	17998	2.13	ng	# 30
19) n-Nitroso-di-n-propylamine	7.29	70	111030	14.95	ng	# 53
25) Isophorone	7.29	82	702610	33.83	ng	# 58
31) Naphthalene	8.03	128	233952	7.47	ng	# 99
33) 4-Chloroaniline	8.03	127	29401	2.32	ng	# 32
37) 2-Methylnaphthalene	8.73	142	71097	3.51	ng	# 91
48) Acenaphthylene	9.62	152	62663	2.41	ng	# 94
49) Dimethylphthalate	9.49	163	524618	25.10	ng	# 97
51) Acenaphthene	9.79	154	149381	8.36	ng	# 88
54) Dibenzofuran	9.96	168	122426	5.31	ng	# 82
57) Fluorene	10.30	166	134322	7.11	ng	# 91
66) 4-Bromophenyl-phenylether	10.56	248	17334	3.64	ng	# 1
70) Phenanthrene	11.28	178	1561307	70.54	ng	# 96
71) Anthracene	11.32	178	327143	14.04	ng	# 98
72) Carbazole	11.48	167	91811	4.46	ng	# 94
74) Fluoranthene	12.46	202	1674361	69.08	ng	# 86
77) Pyrene	12.68	202	1598405	69.12	ng	# 92
80) Benzo(a)anthracene	13.87	228	840092	43.32	ng	# 90
82) Chrysene	13.87	228	840092	42.83	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.61	276	287541	16.54	ng	# 87
87) Benzo(b)fluoranthene	14.90	252	1022310	48.51	ng	# 88
88) Benzo(k)fluoranthene	14.90	252	1022310	61.39	ng	# 88
89) Benzo(a)pyrene	15.23	252	597768	33.01	ng	# 84
90) Dibenzo(a,h)anthracene	16.61	278	91235	5.95	ng	# 86
91) Benzo(g,h,i)perylene	17.01	276	279583	19.37	ng	# 81

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

Instrument :

BNA_F

ClientSampleId :

SB-02-8.5-9.0RE

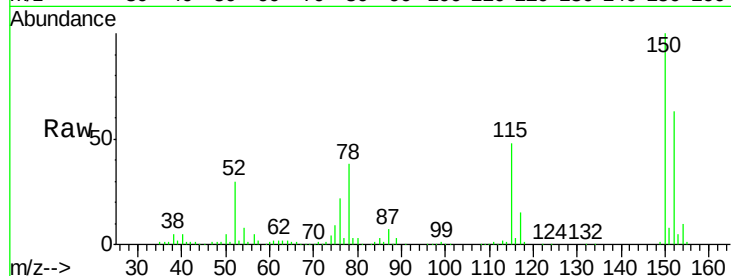
Tgt Ion:152 Resp: 166432

Ion Ratio Lower Upper

152 100

150 159.7 124.7 187.1

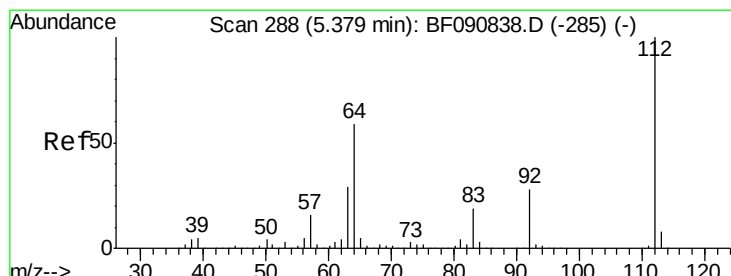
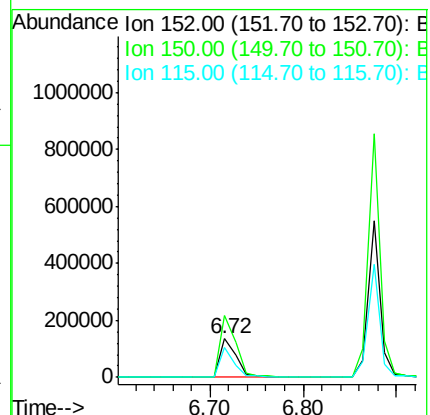
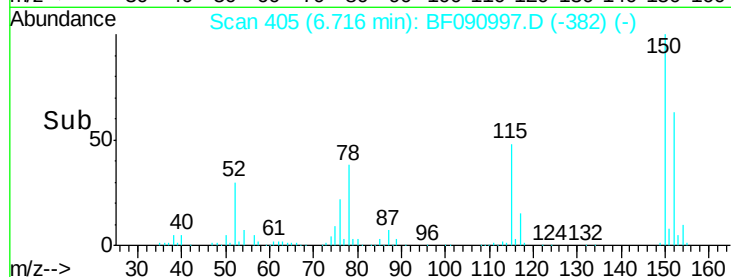
115 77.1 39.0 58.4#



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: 119.40 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

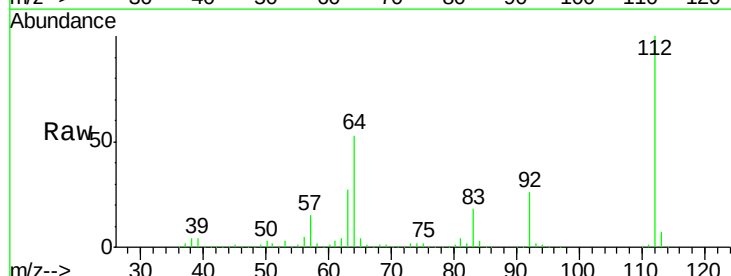
Tgt Ion:112 Resp: 1136559

Ion Ratio Lower Upper

112 100

64 53.3 39.7 59.5

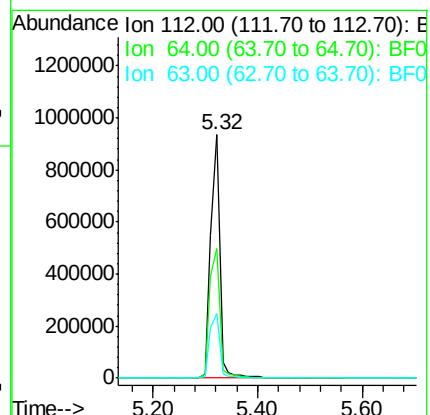
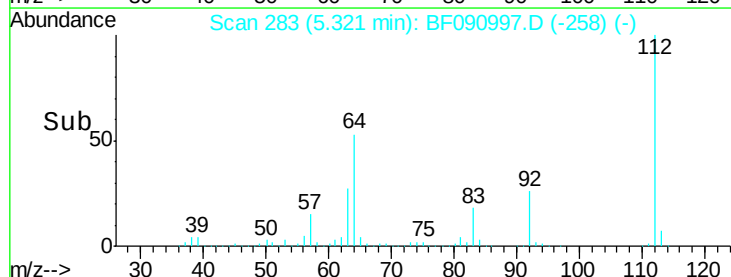
63 26.7 17.4 26.0#

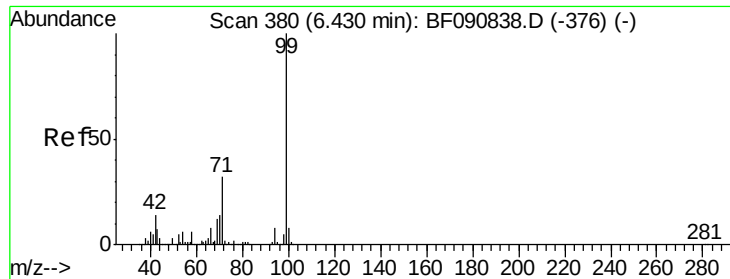


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.68 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

Instrument :

BNA_F

ClientSampleId :

SB-02-8.5-9.0RE

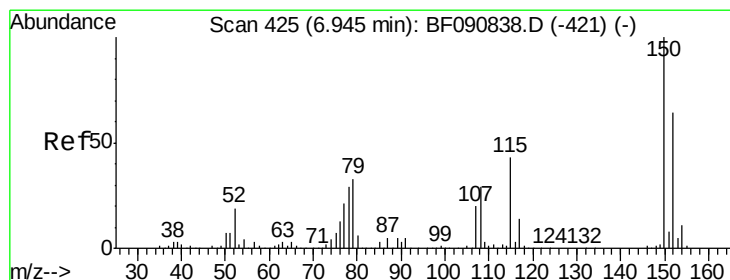
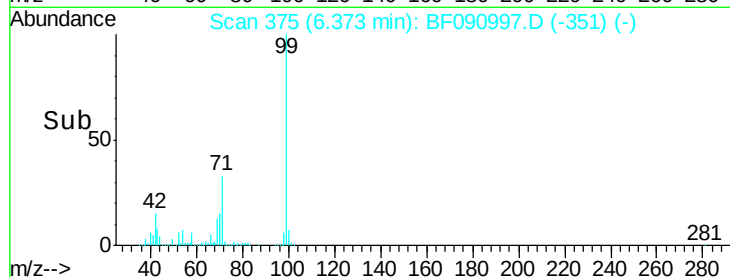
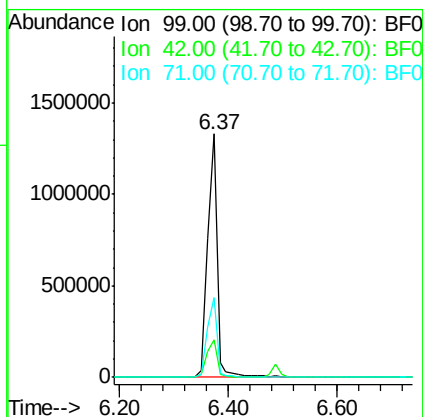
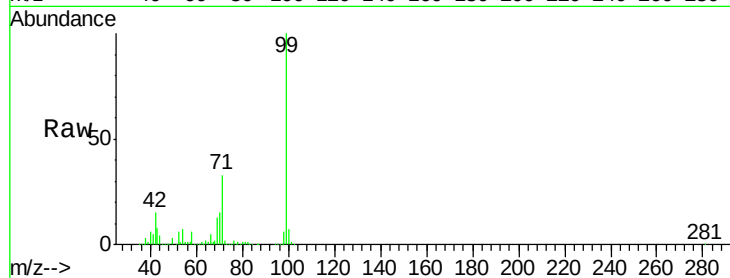
Tgt Ion: 99 Resp: 1614047

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

71 32.7 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

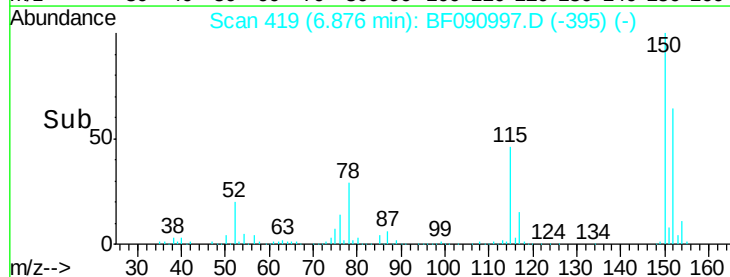
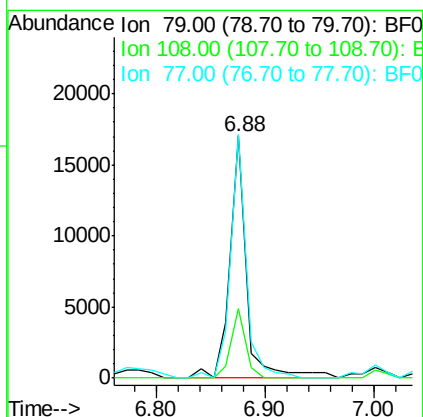
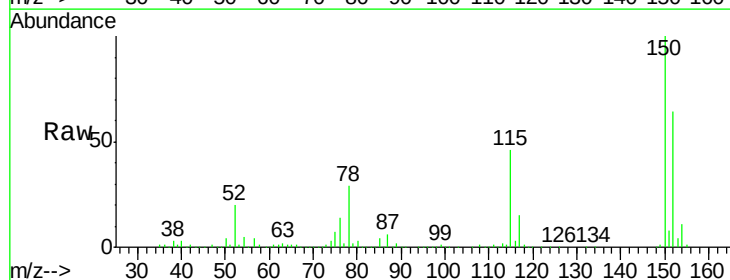
Tgt Ion: 79 Resp: 17998

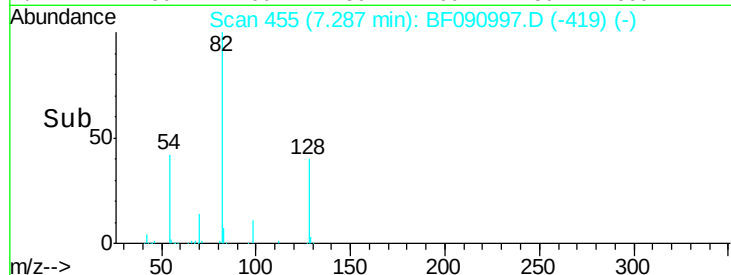
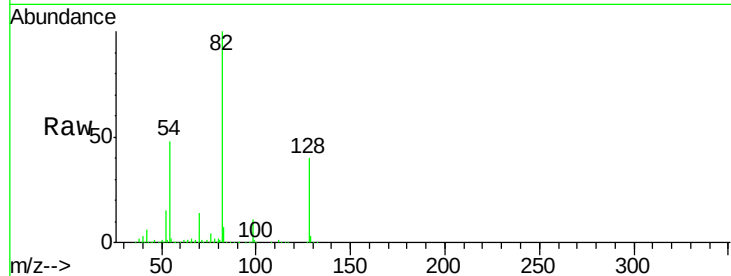
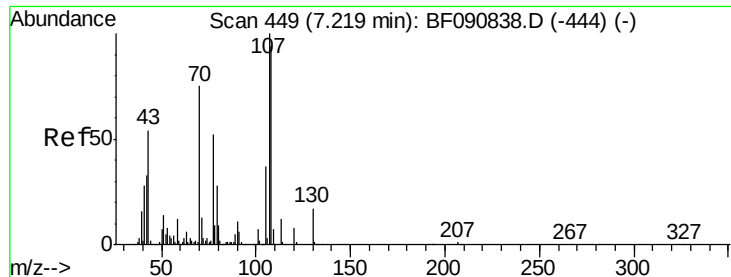
Ion Ratio Lower Upper

79 100

108 28.7 88.6 132.8#

77 100.7 47.0 70.4#

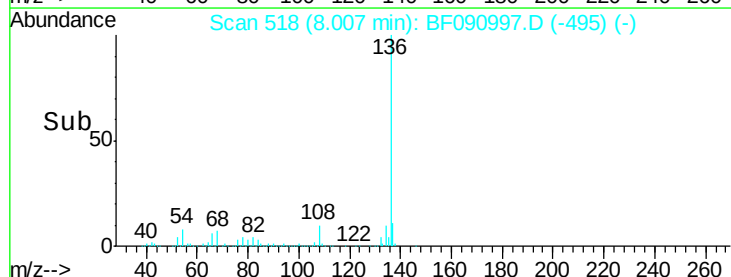
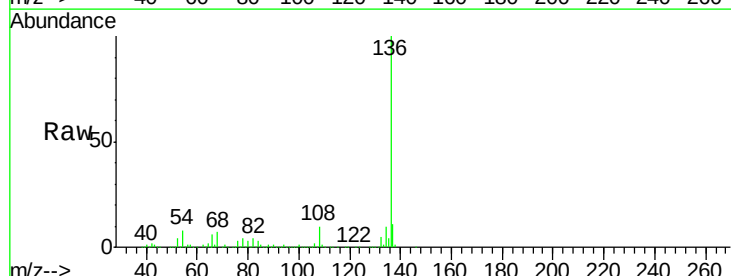
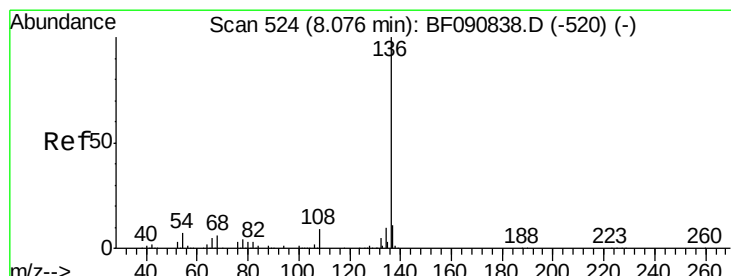
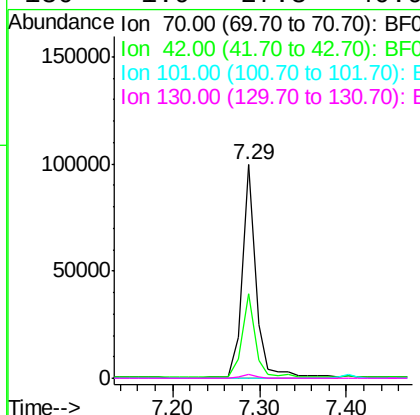




#19
n-Nitroso-di-n-propylamine
Concen: 14.95 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.11 min
Lab File: BF090997.D
Acq: 2 Nov 2016 23:13

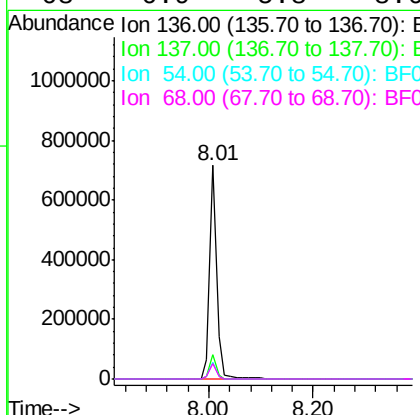
Instrument :
BNA_F
ClientSampleId :
SB-02-8.5-9.0RE

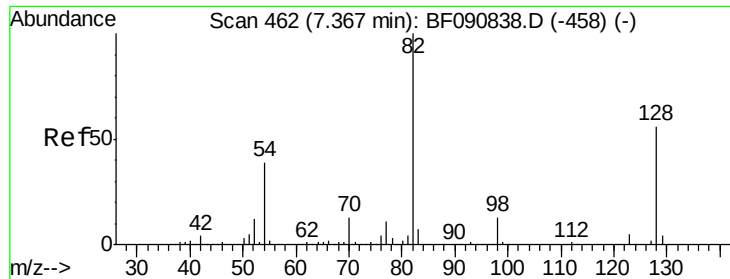
Tgt Ion:	70	Resp:	111030
Ion	Ratio	Lower	Upper
70	100		
42	39.8	63.8	95.6#
101	0.0	9.2	13.8#
130	1.9	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF090997.D
Acq: 2 Nov 2016 23:13

Tgt Ion:	136	Resp:	670033
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	7.7	8.2	12.2#
68	6.9	5.8	8.6

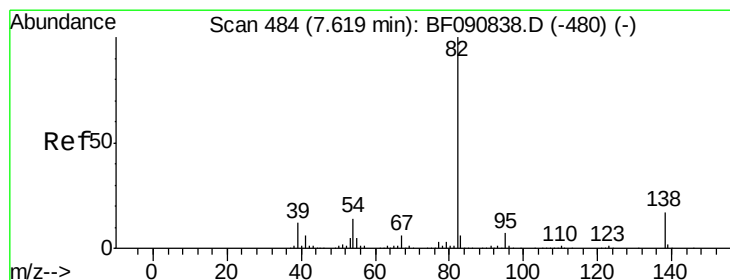
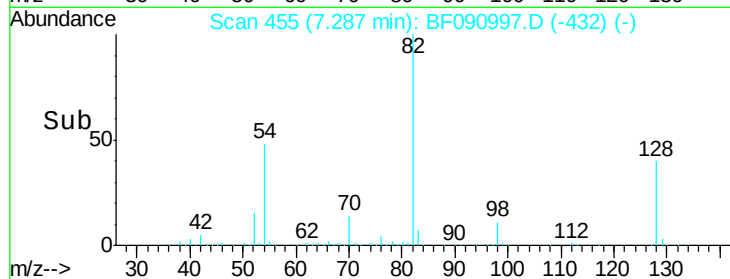
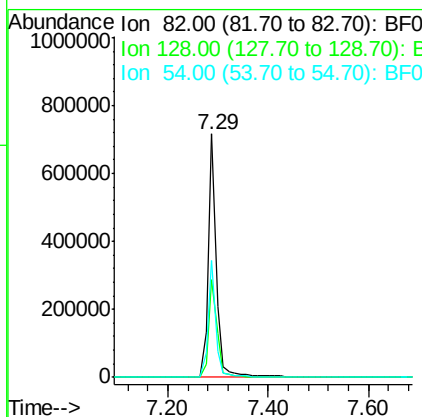
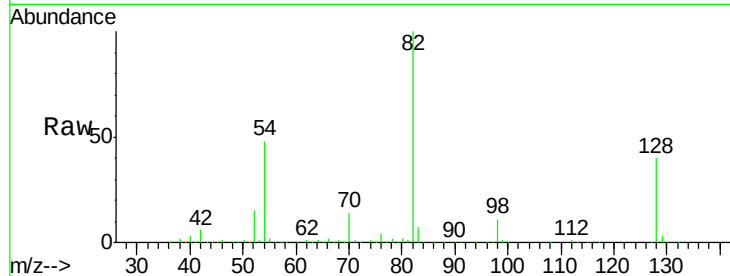




#23
 Nitrobenzene-d5
 Concen: 79.08 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: BF090997.D
 Acq: 2 Nov 2016 23:13

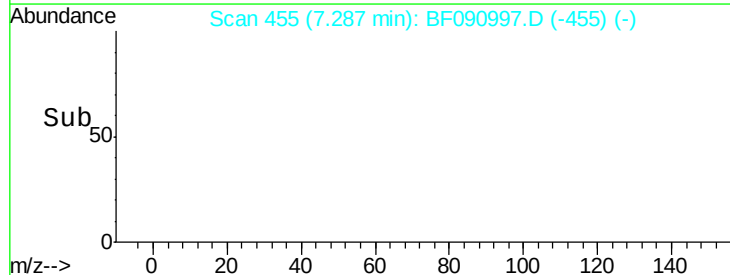
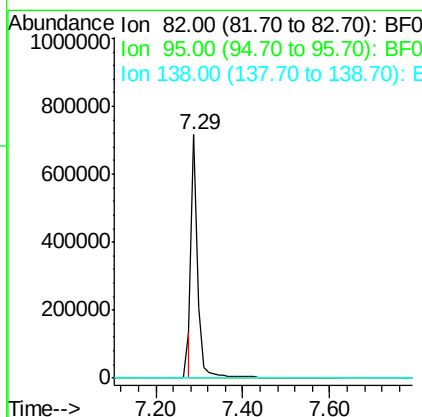
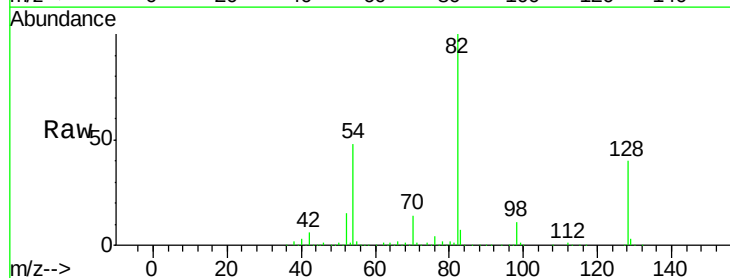
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-8.5-9.0RE

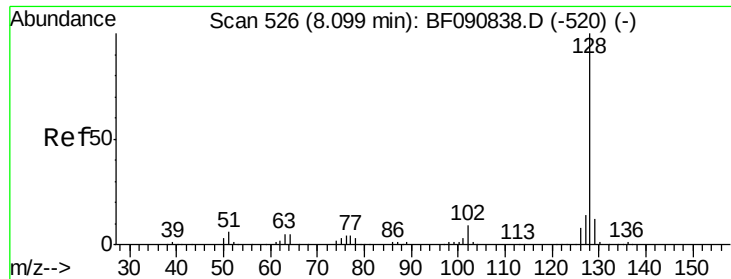
Tgt Ion: 82 Resp: 809384
 Ion Ratio Lower Upper
 82 100
 128 40.3 51.0 76.6#
 54 48.1 47.5 71.3



#25
 Isophorone
 Concen: 33.83 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.30 min
 Lab File: BF090997.D
 Acq: 2 Nov 2016 23:13

Tgt Ion: 82 Resp: 702610
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#

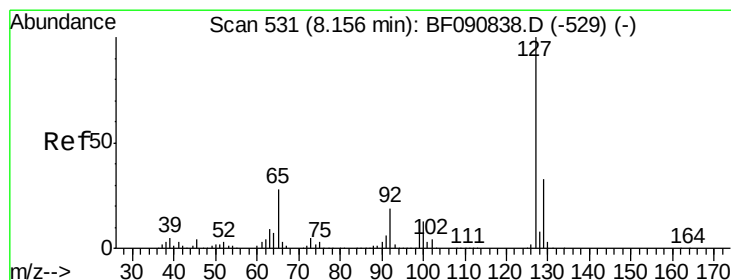
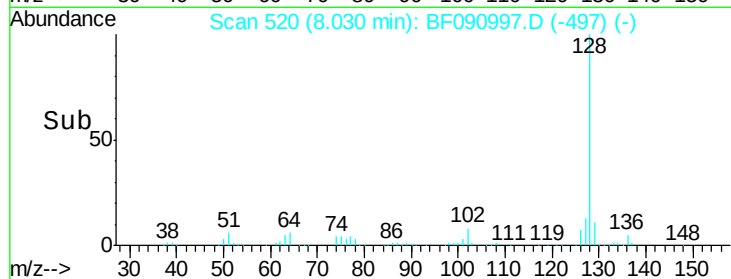
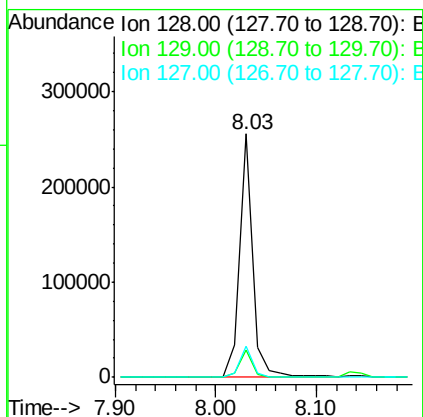
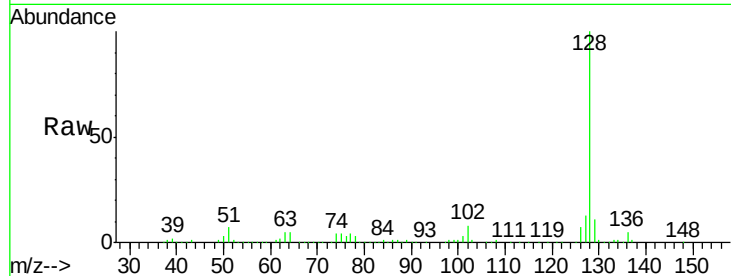




#31
Naphthalene
Concen: 7.47 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF090997.D
Acq: 2 Nov 2016 23:13

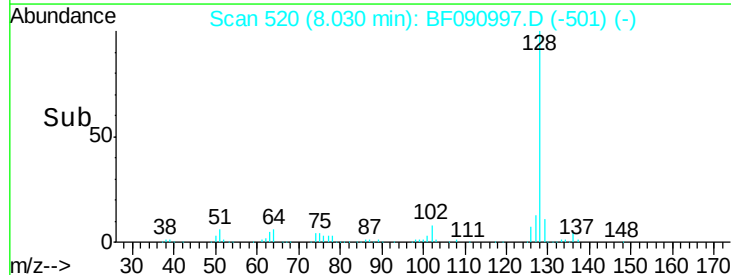
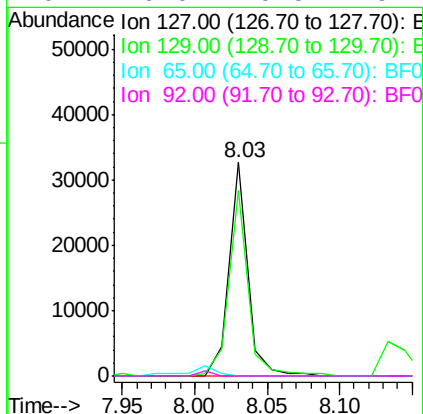
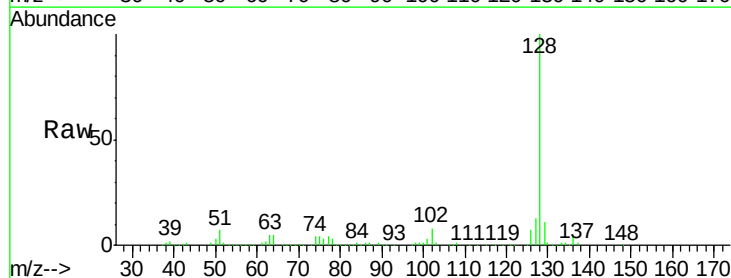
Instrument :
BNA_F
ClientSampleId :
SB-02-8.5-9.0RE

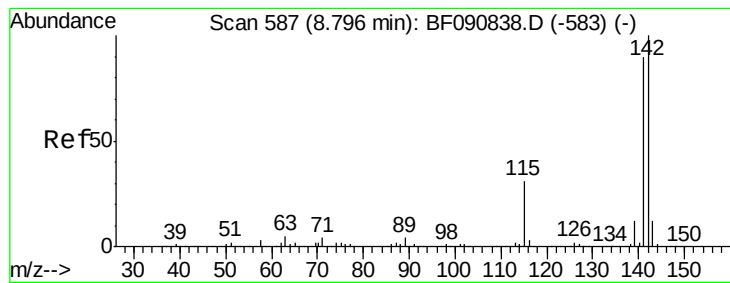
Tgt Ion:	128	Resp:	233952
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	12.8	9.9	14.9



#33
4-Chloroaniline
Concen: 2.32 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.08 min
Lab File: BF090997.D
Acq: 2 Nov 2016 23:13

Tgt Ion:	127	Resp:	29401
Ion	Ratio	Lower	Upper
127	100		
129	87.0	25.8	38.6#
65	0.0	17.9	26.9#
92	0.0	10.5	15.7#





#37

2-Methylnaphthalene

Concen: 3.51 ng

RT: 8.73 min Scan# 581

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

Instrument :

BNA_F

ClientSampleId :

SB-02-8.5-9.0RE

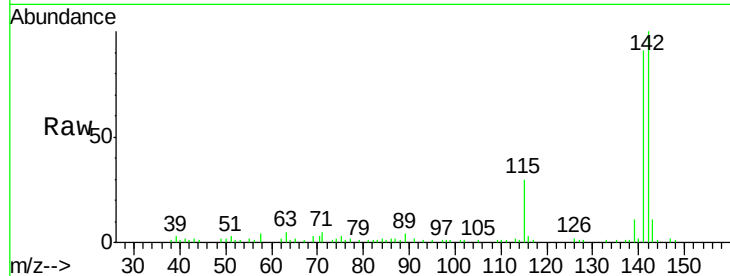
Tgt Ion:142 Resp: 71097

Ion Ratio Lower Upper

142 100

141 90.5 67.5 101.3

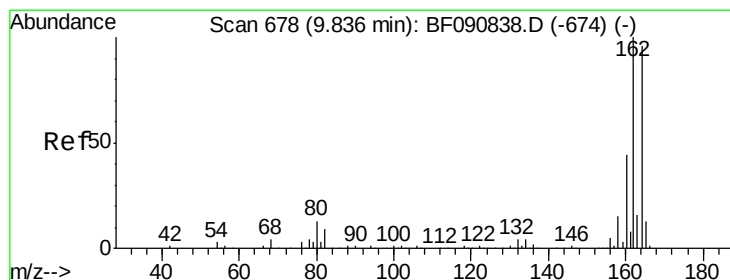
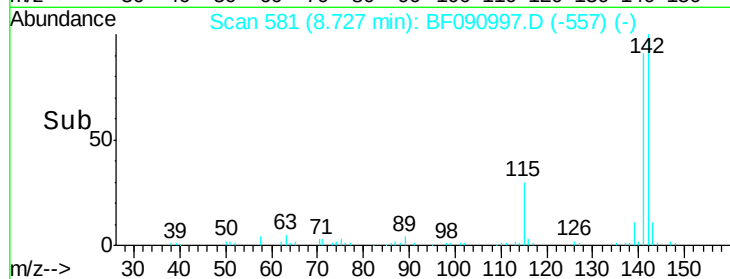
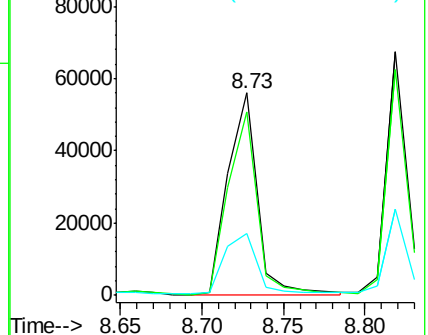
115 30.3 18.2 27.2#



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: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

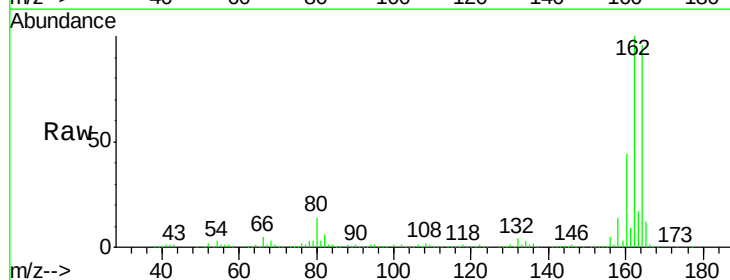
Tgt Ion:164 Resp: 312840

Ion Ratio Lower Upper

164 100

162 103.9 75.2 112.8

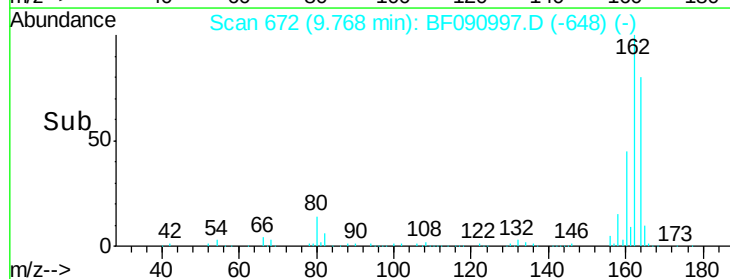
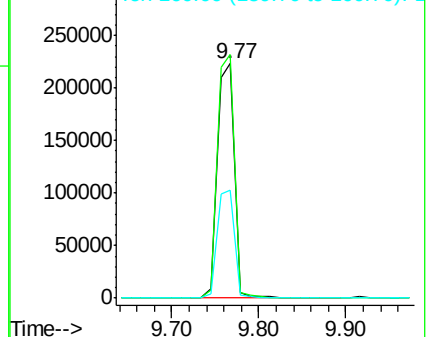
160 45.9 31.5 47.3

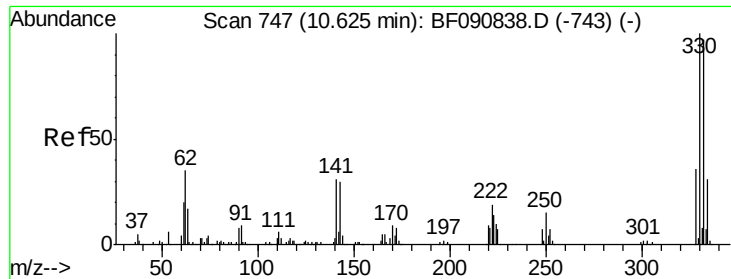


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

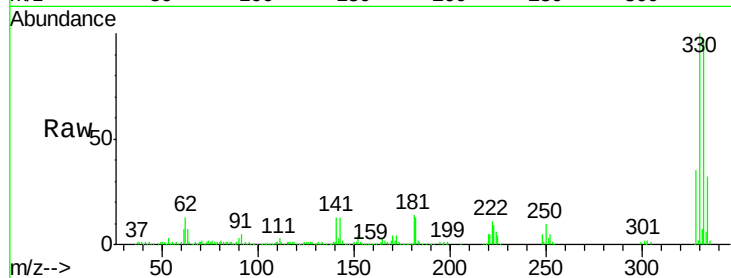




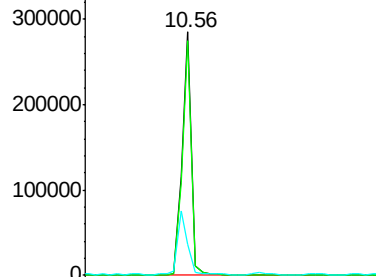
#41
 2,4,6-Tribromophenol
 Concen: 90.96 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.02 min
 Lab File: BF090997.D
 Acq: 2 Nov 2016 23:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-8.5-9.0RE

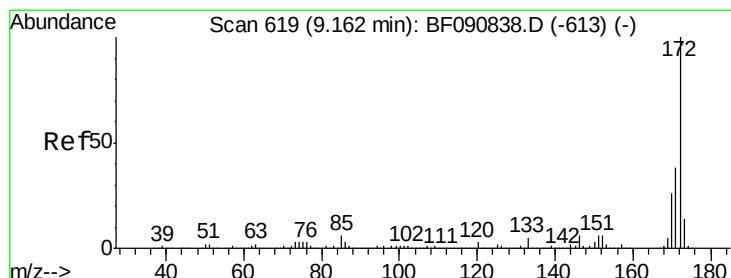
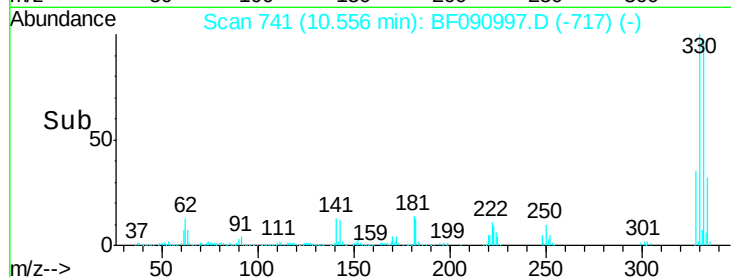
Tgt Ion:330 Resp: 292429
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 28.8 29.7 44.5#



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

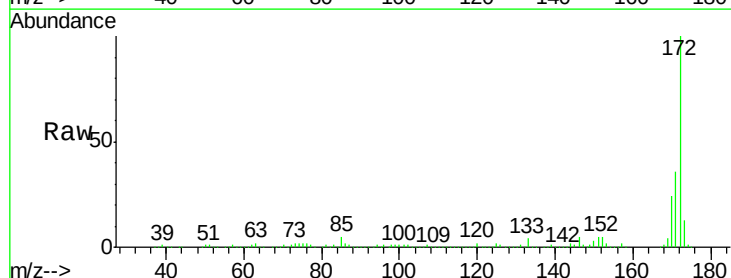


Time--> 10.40 10.60 10.80

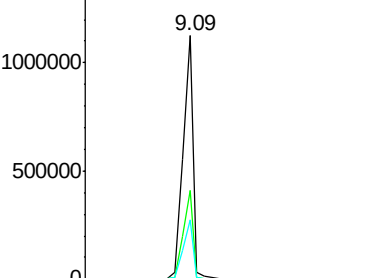


#44
 2-Fluorobiphenyl
 Concen: 68.58 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF090997.D
 Acq: 2 Nov 2016 23:13

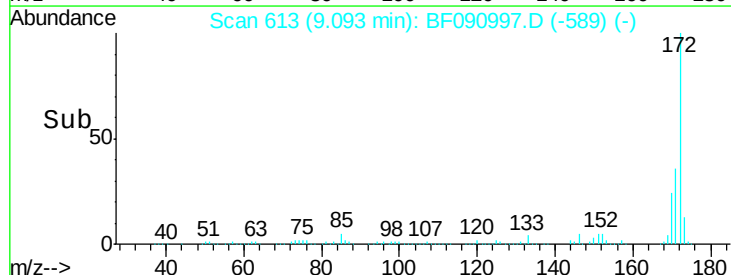
Tgt Ion:172 Resp: 1221785
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.1 39.1
 170 24.2 17.4 26.2

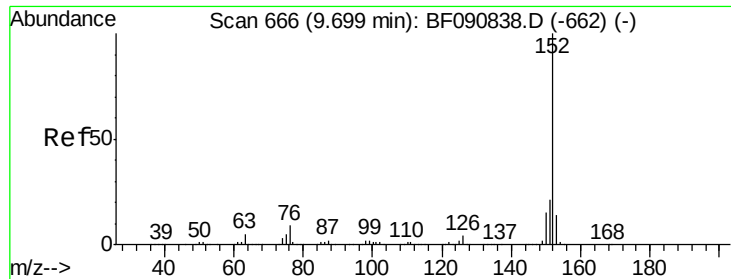


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time--> 9.00 9.10 9.20 9.30





#48

Acenaphthylene

Concen: 2.41 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

Instrument :

BNA_F

ClientSampleId :

SB-02-8.5-9.0RE

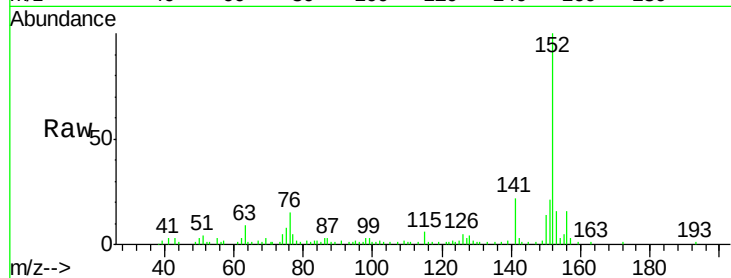
Tgt Ion:152 Resp: 62663

Ion Ratio Lower Upper

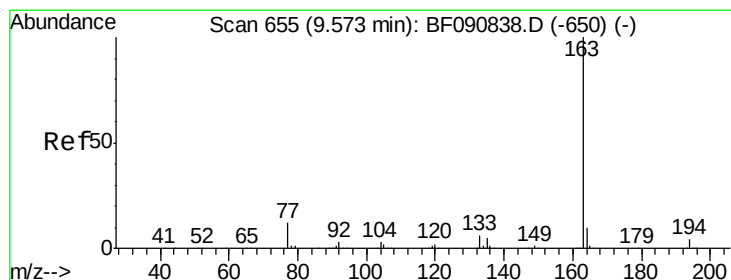
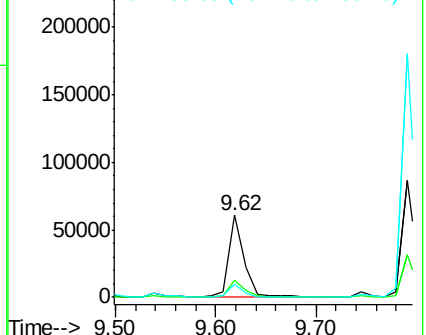
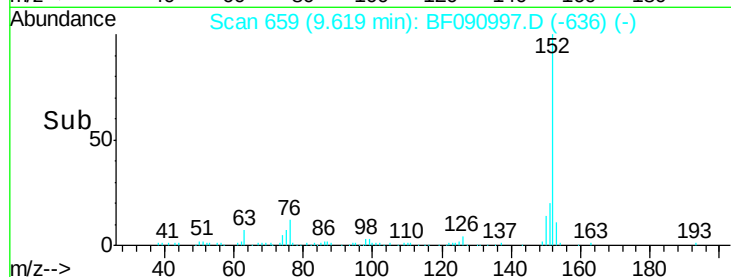
152 100

151 20.6 14.6 22.0

153 15.7 10.3 15.5#



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



#49

Dimethylphthalate

Concen: 25.10 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

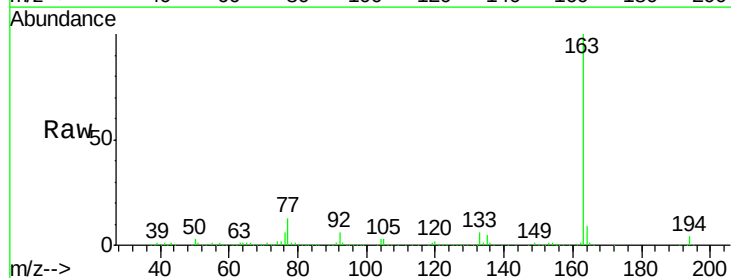
Tgt Ion:163 Resp: 524618

Ion Ratio Lower Upper

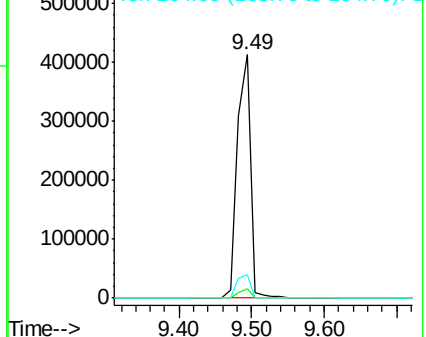
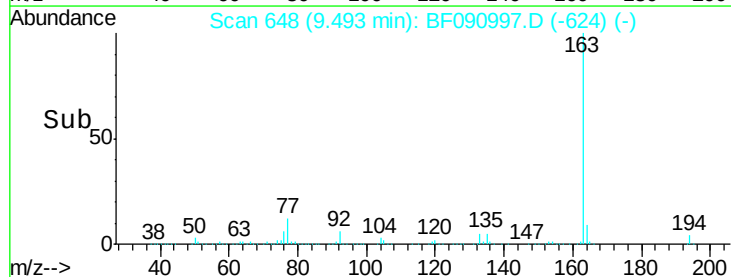
163 100

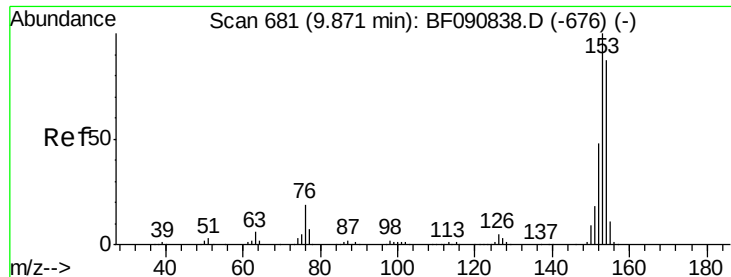
194 4.0 4.4 6.6#

164 9.4 8.3 12.5



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





#51

Acenaphthene

Concen: 8.36 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

Instrument :

BNA_F

ClientSampleId :

SB-02-8.5-9.0RE

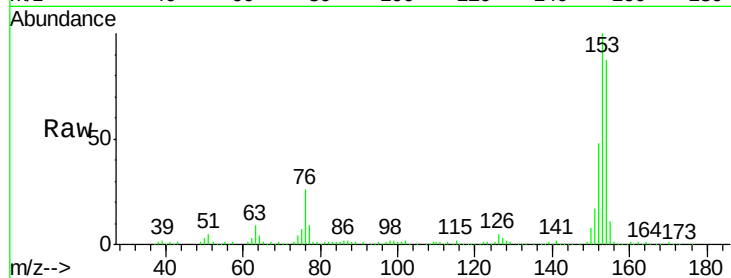
Tgt Ion:154 Resp: 149381

Ion Ratio Lower Upper

154 100

153 115.2 82.1 123.1

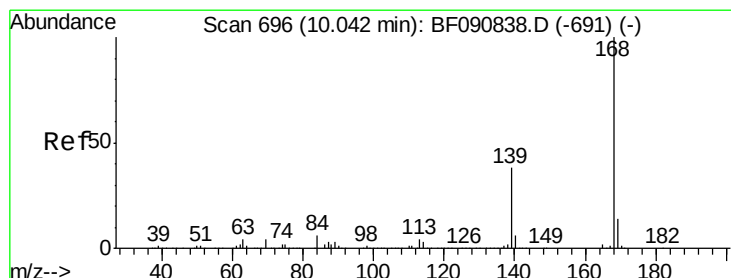
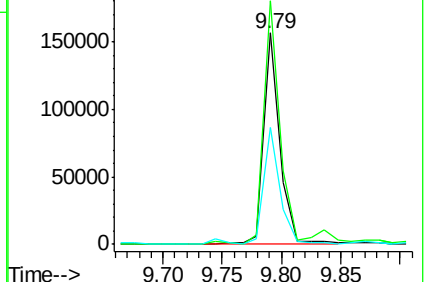
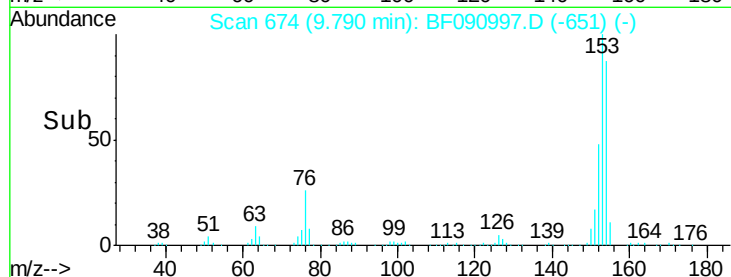
152 55.2 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.31 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.03 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

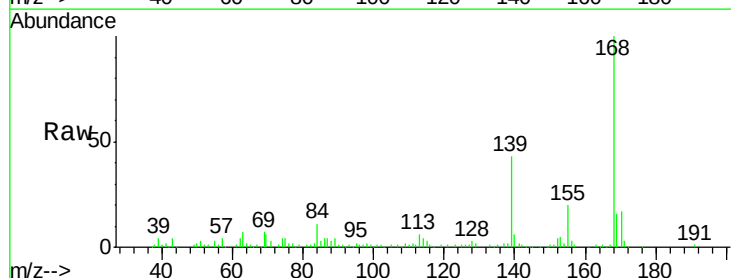
Tgt Ion:168 Resp: 122426

Ion Ratio Lower Upper

168 100

139 42.9 24.2 36.2#

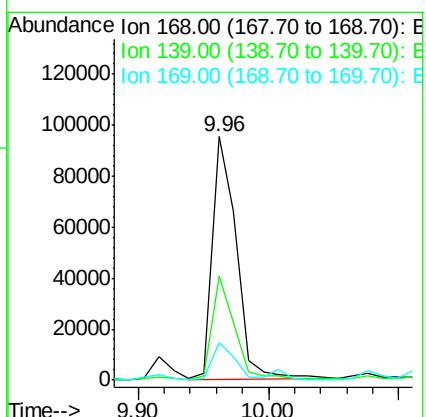
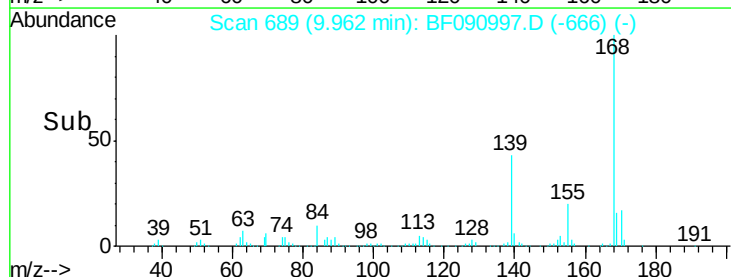
169 15.5 10.6 15.8

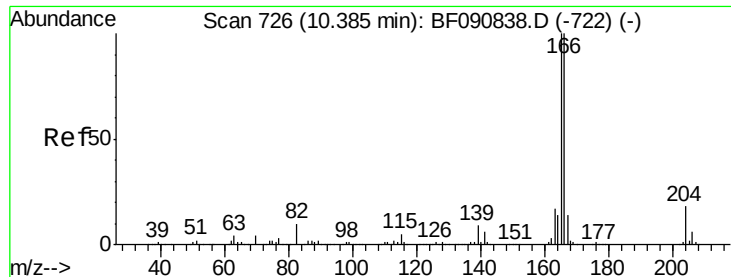


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

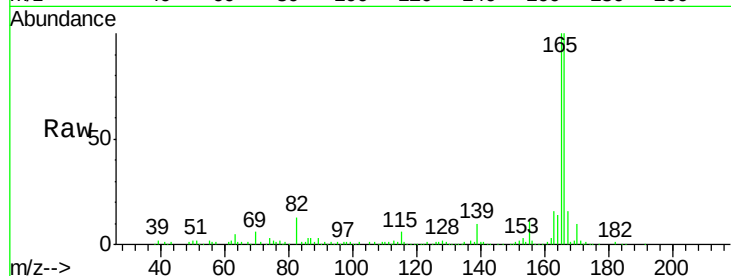




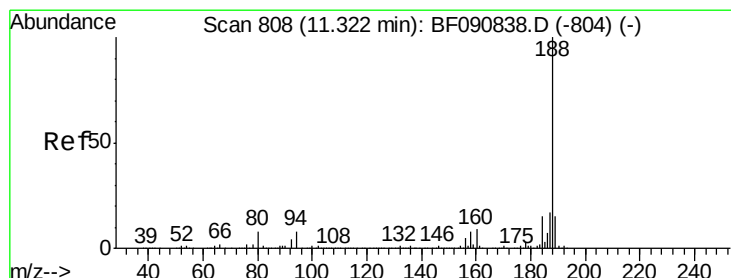
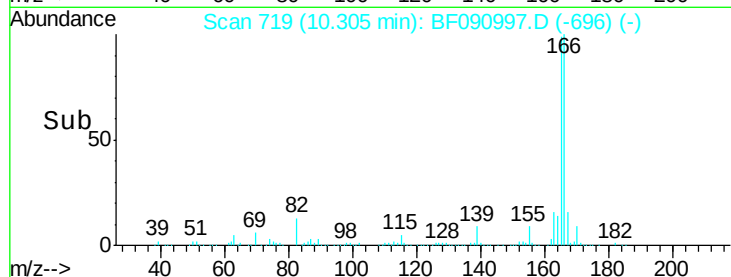
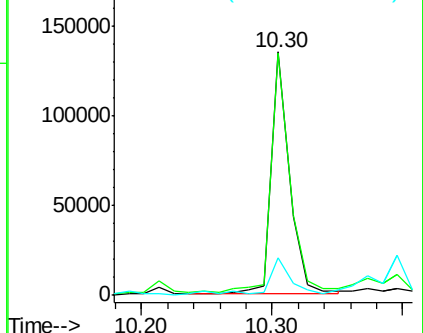
#57
 Fluorene
 Concen: 7.11 ng
 RT: 10.30 min Scan# 719
 Delta R.T. -0.03 min
 Lab File: BF090997.D
 Acq: 2 Nov 2016 23:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-8.5-9.0RE

Tgt Ion:166 Resp: 134322
 Ion Ratio Lower Upper
 166 100
 165 99.8 72.6 109.0
 167 15.7 10.6 16.0

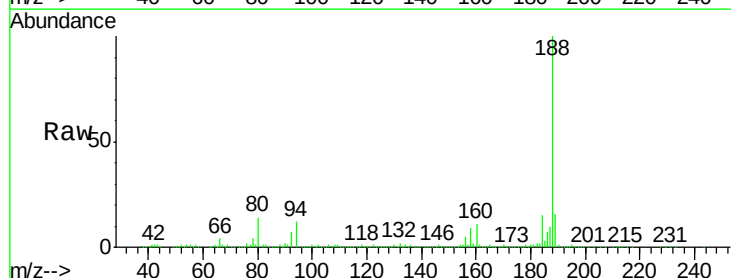


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

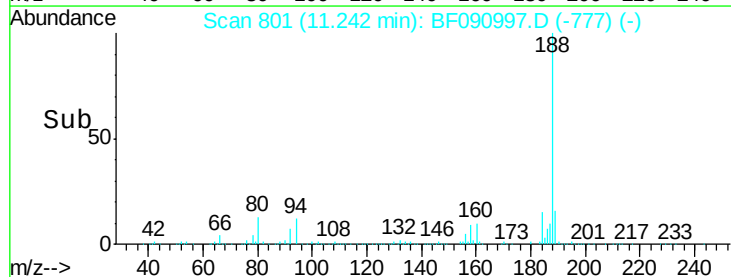
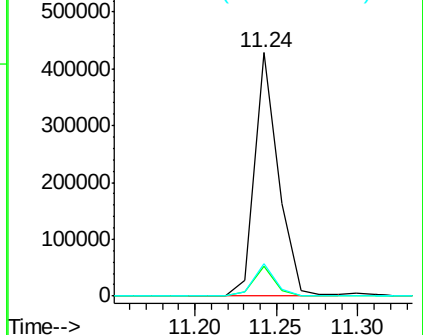


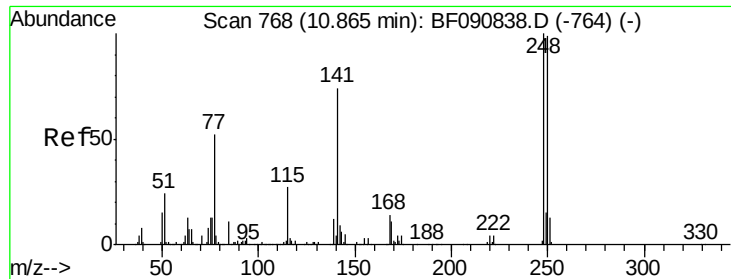
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: BF090997.D
 Acq: 2 Nov 2016 23:13

Tgt Ion:188 Resp: 434648
 Ion Ratio Lower Upper
 188 100
 94 12.4 11.1 16.7
 80 13.5 11.0 16.4



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





#66

4-Bromophenyl-phenylether

Concen: 3.64 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.26 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

Instrument :

BNA_F

ClientSampleId :

SB-02-8.5-9.0RE

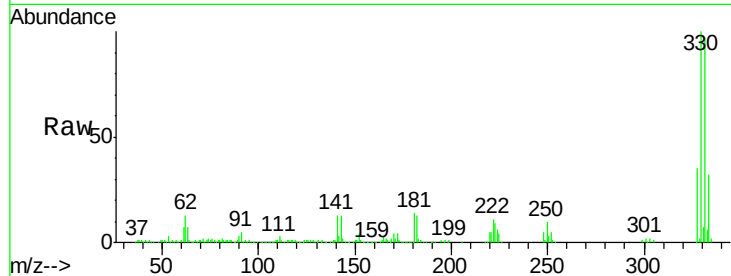
Tgt Ion:248 Resp: 17334

Ion Ratio Lower Upper

248 100

250 199.9 78.5 117.7#

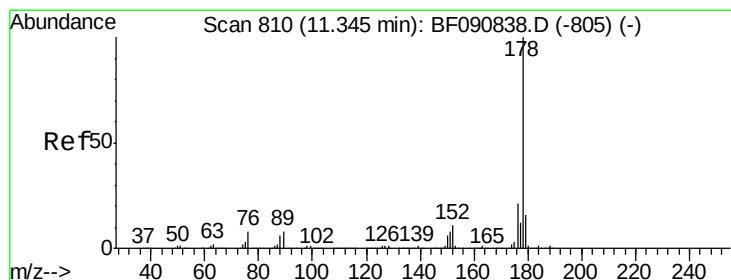
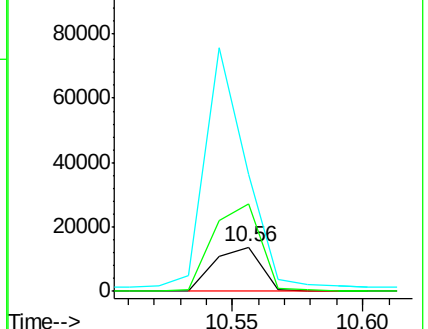
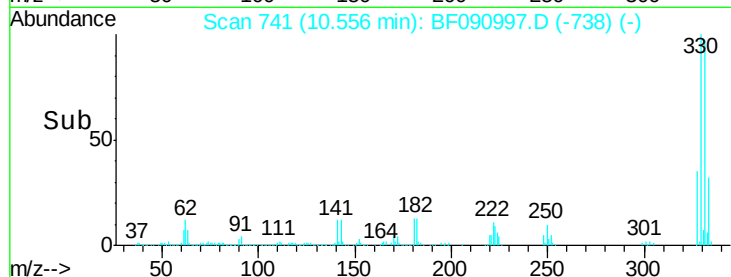
141 265.2 59.0 88.6#



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: 70.54 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

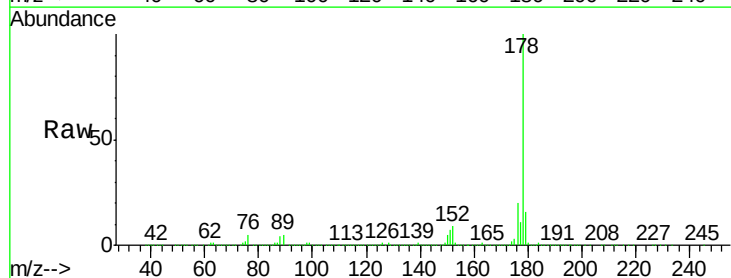
Tgt Ion:178 Resp: 1561307

Ion Ratio Lower Upper

178 100

176 19.8 13.8 20.8

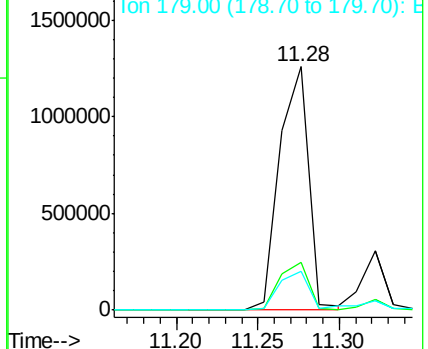
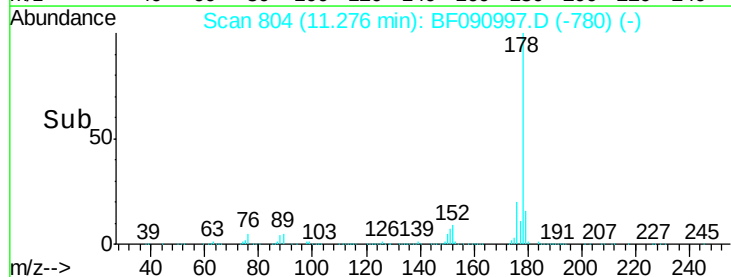
179 15.8 12.2 18.2

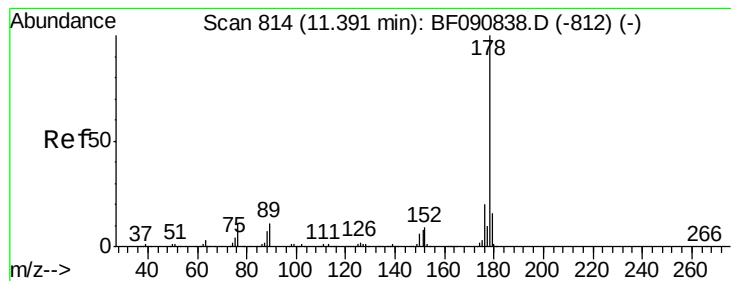


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 14.04 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

Instrument :

BNA_F

ClientSampleId :

SB-02-8.5-9.0RE

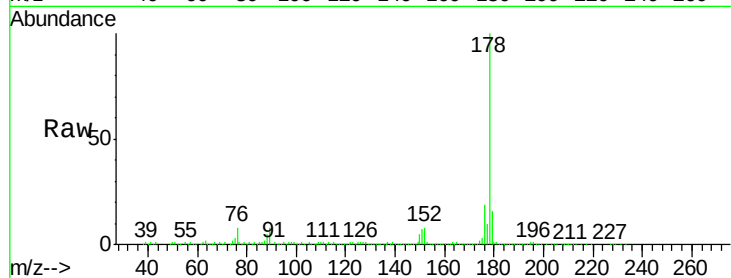
Tgt Ion:178 Resp: 327143

Ion Ratio Lower Upper

178 100

176 18.6 14.1 21.1

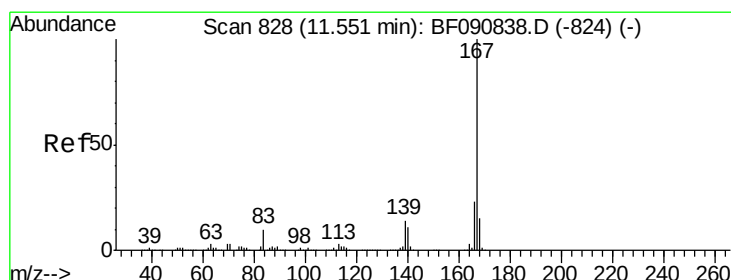
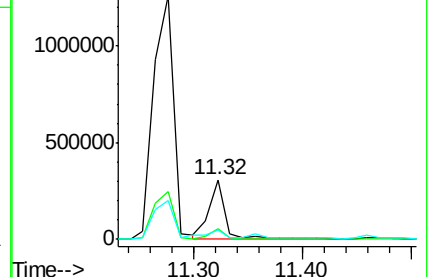
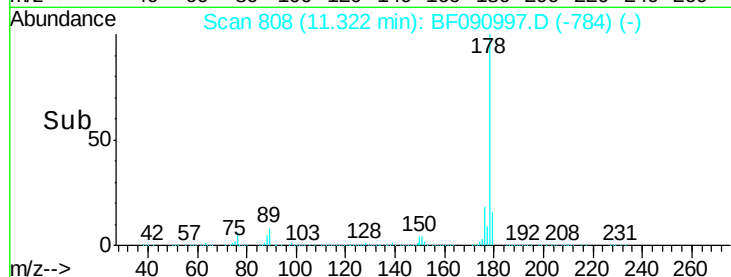
179 16.0 12.2 18.2



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



#72

Carbazole

Concen: 4.46 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.02 min

Lab File: BF090997.D

Acq: 2 Nov 2016 23:13

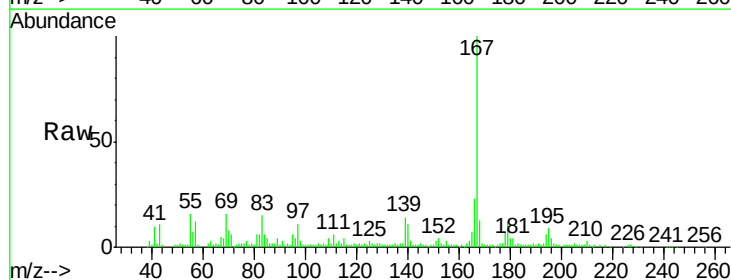
Tgt Ion:167 Resp: 91811

Ion Ratio Lower Upper

167 100

166 23.0 15.7 23.5

139 13.5 9.5 14.3



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

