

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF091001.D
 Acq On : 3 Nov 2016 1:01
 Operator : UM/SJ
 Sample : H5502-23DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-90-0.0-1.0DL

Quant Time: Nov 03 01:07:19 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	6.73	152	158218	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	574948	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	308122	20.00	ng	-0.02
63) Phenanthrene-d10	11.26	188	419494	20.00	ng	0.00
75) Chrysene-d12	13.92	240	278025	20.00	ng	0.01
86) Perylene-d12	15.32	264	348241	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1086095	120.02	ng	-0.01
7) Phenol-d6	6.37	99	1357877	111.22	ng	-0.02
23) Nitrobenzene-d5	7.29	82	752256	85.65	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	243382	76.86	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1350639	76.97	ng	-0.02
78) Terphenyl-d14	12.84	244	1058850	95.95	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.42	93	119704	8.58	ng	# 58
9) Benzaldehyde	6.42	77	32484	5.15	ng	# 1
10) Phenol	6.38	94	93793	6.97	ng	# 53
22) Acetophenone	7.14	105	38218	3.23	ng	# 84
25) Isophorone	7.55	82	92876	5.21	ng	# 91
31) Naphthalene	8.03	128	430115	16.00	ng	# 98
33) 4-Chloroaniline	8.03	127	65824	6.06	ng	# 31
35) Caprolactam	8.45	113	53405	23.06	ng	# 62
37) 2-Methylnaphthalene	8.73	142	156390	9.01	ng	# 92
45) 1,1'-Biphenyl	9.20	154	85664	3.86	ng	# 95
48) Acenaphthylene	9.63	152	229445	8.98	ng	# 96
49) Dimethylphthalate	9.49	163	392243	19.05	ng	# 97
51) Acenaphthene	9.80	154	644362	36.60	ng	# 88
54) Dibenzofuran	9.97	168	744392	32.76	ng	# 86
55) 4-Nitrophenol	9.97	139	288680	97.80	ng	# 30
57) Fluorene	10.32	166	756230	40.64	ng	# 91
61) 4-Nitroaniline	10.32	138	11051	2.31	ng	# 87
65) n-Nitrosodiphenylamine	10.44	169	81055	6.31	ng	# 98
70) Phenanthrene	11.34	178	1888004	88.38	ng	# 95
71) Anthracene	11.34	178	1888004	83.93	ng	# 95
72) Carbazole	11.49	167	798193	40.18	ng	# 94
74) Fluoranthene	12.49	202	6545694	279.80	ng	# 91
77) Pyrene	12.73	202	5660505	321.72	ng	# 90
80) Benzo(a)anthracene	13.91	228	4466138	302.68	ng	# 89
82) Chrysene	13.91	228	4466138	299.25	ng	# 90
83) Bis(2-ethylhexyl)phthalate	13.89	149	122565	11.79	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.68	276	1871421	141.50	ng	# 85
87) Benzo(b)fluoranthene	14.93	252	5188784	221.59	ng	# 87
88) Benzo(k)fluoranthene	14.93	252	5188784	280.39	ng	# 87
89) Benzo(a)pyrene	15.28	252	2562726	127.37	ng	# 84
90) Dibenzo(a,h)anthracene	16.68	278	569846	33.45	ng	# 80
91) Benzo(g,h,i)perylene	17.09	276	1540955	96.06	ng	# 76

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Response via : Initial Calibration

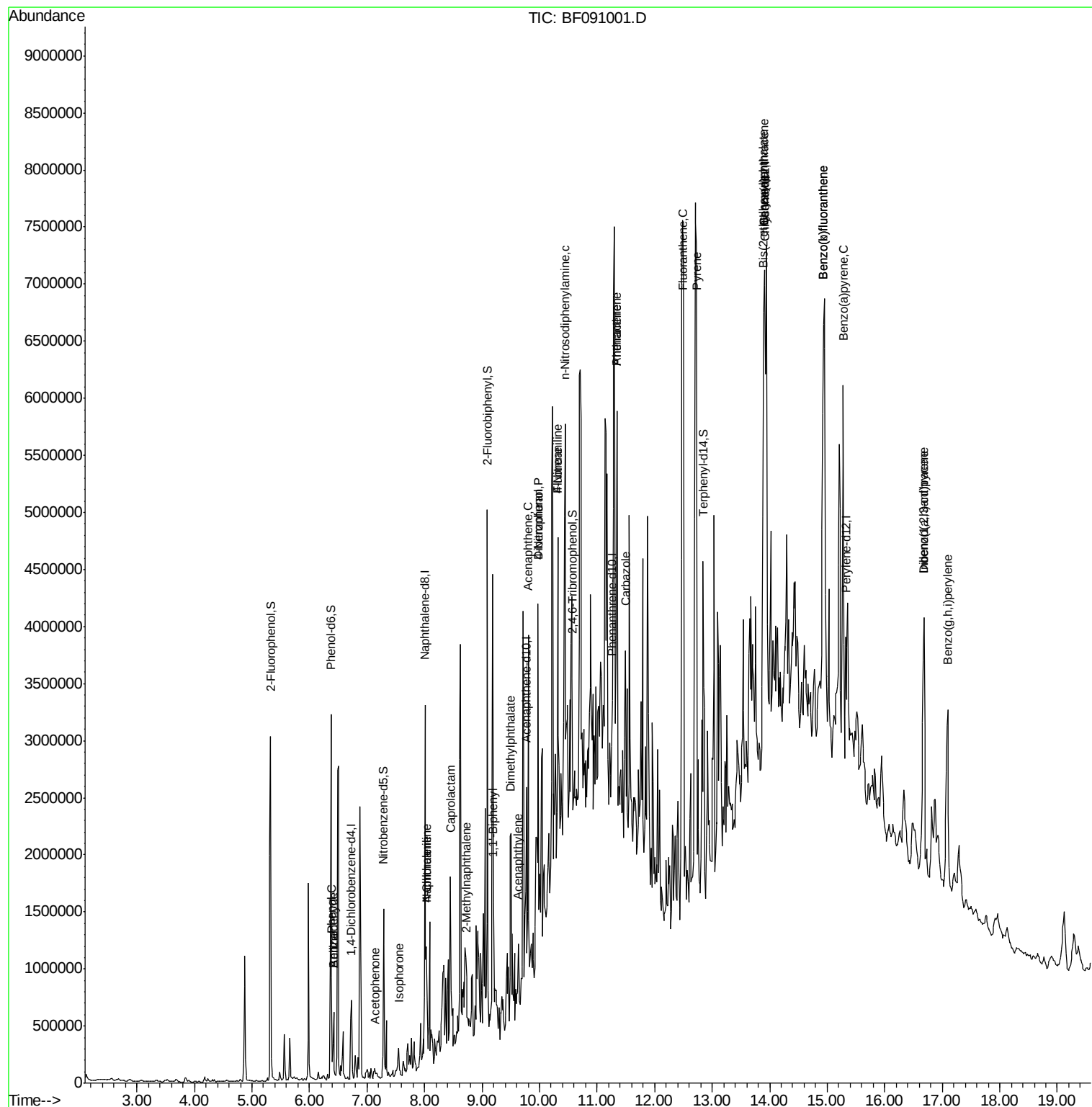
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

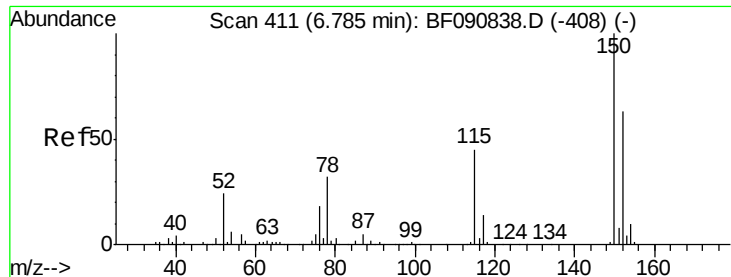
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

Instrument :

BNA_F

ClientSampleId :

SB-90-0.0-1.0DL

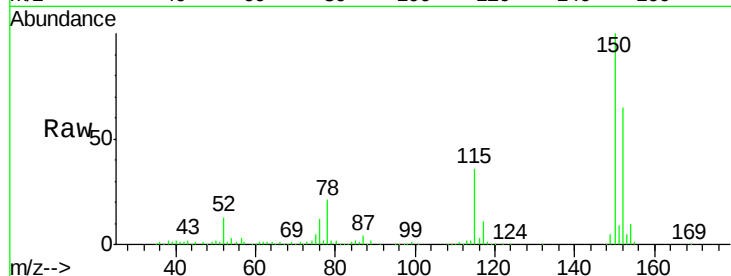
Tgt Ion:152 Resp: 158218

Ion Ratio Lower Upper

152 100

150 153.5 124.7 187.1

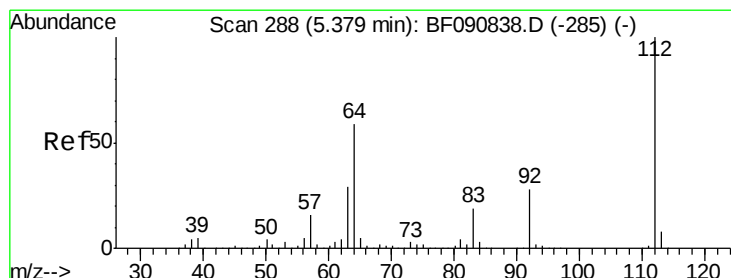
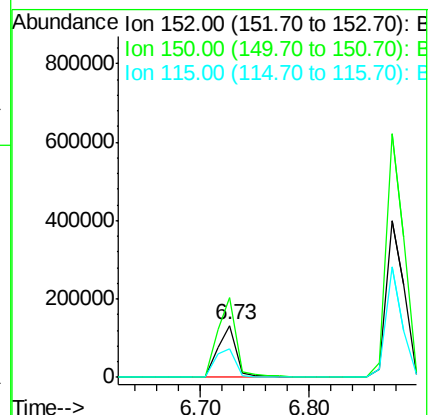
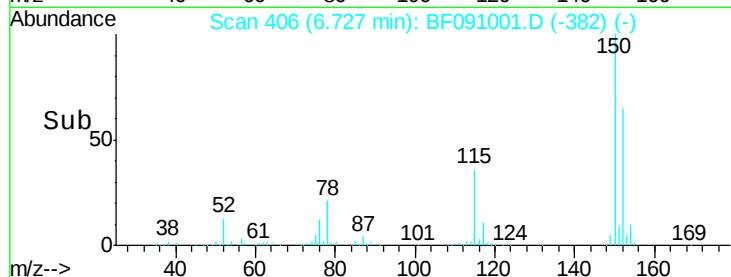
115 54.8 39.0 58.4



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: 120.02 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

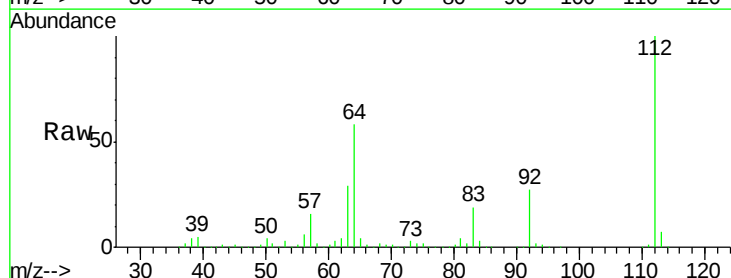
Tgt Ion:112 Resp: 1086095

Ion Ratio Lower Upper

112 100

64 58.2 39.7 59.5

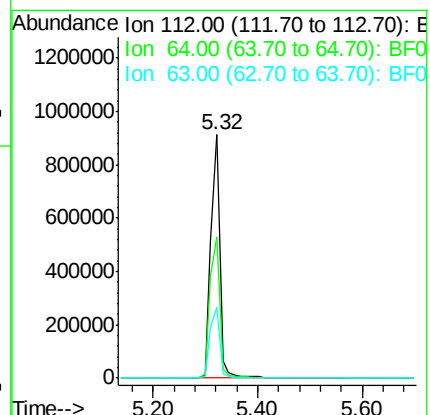
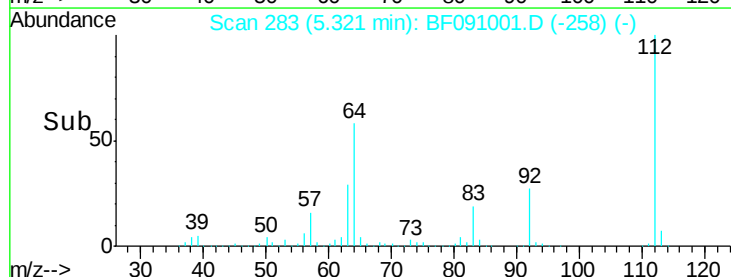
63 29.2 17.4 26.0#

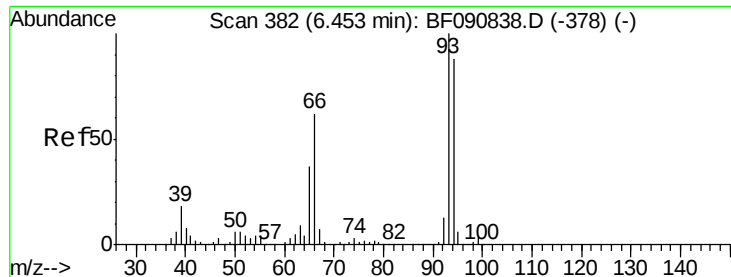


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 8.58 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

Instrument :

BNA_F

ClientSampleId :

SB-90-0.0-1.0DL

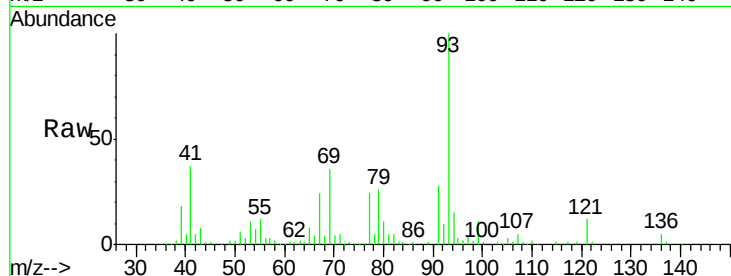
Tgt Ion: 93 Resp: 119704

Ion Ratio Lower Upper

93 100

66 4.1 27.2 40.8#

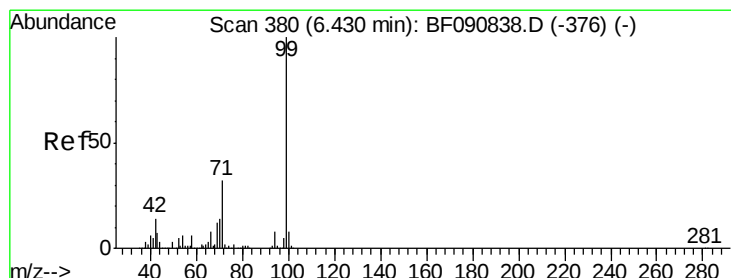
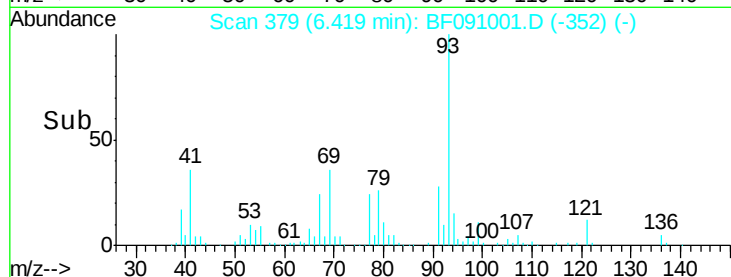
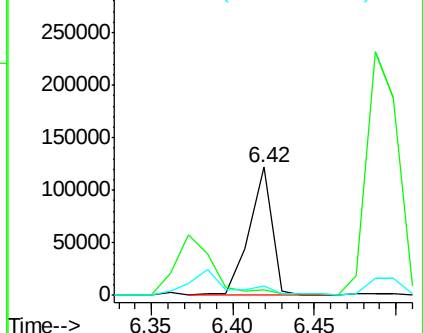
65 7.8 14.7 22.1#



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: 111.22 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

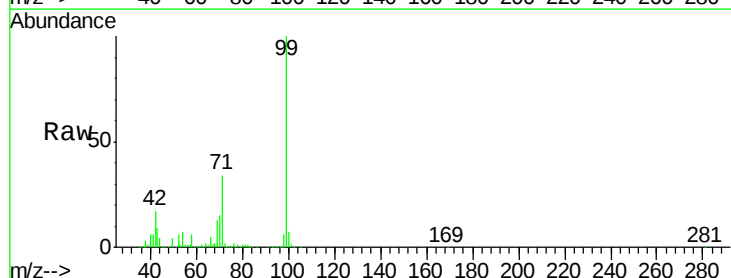
Tgt Ion: 99 Resp: 1357877

Ion Ratio Lower Upper

99 100

42 16.6 13.7 20.5

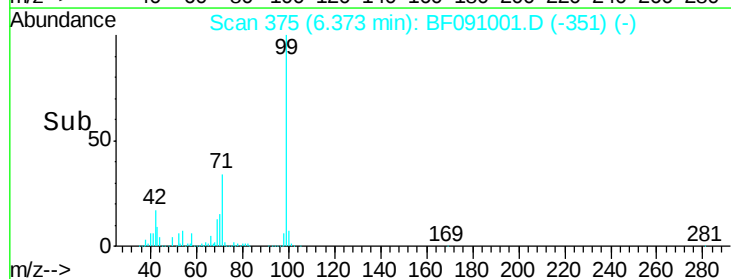
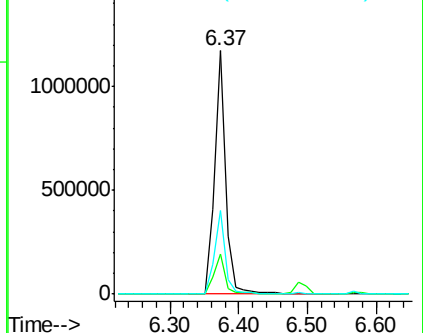
71 34.1 14.2 21.2#

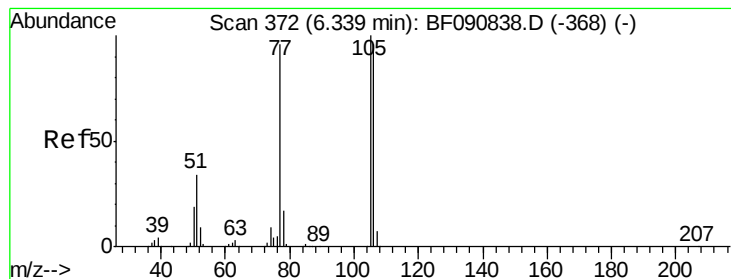


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 5.15 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.13 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

Instrument :

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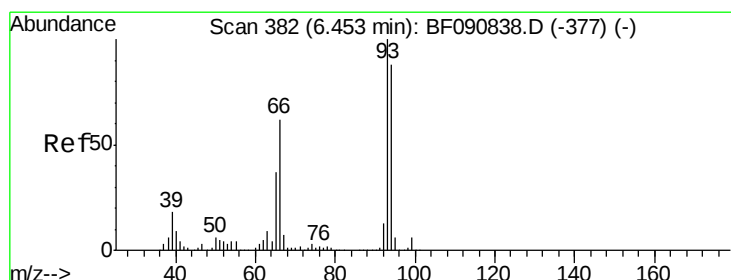
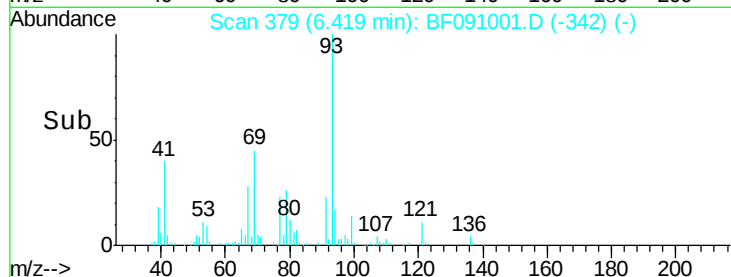
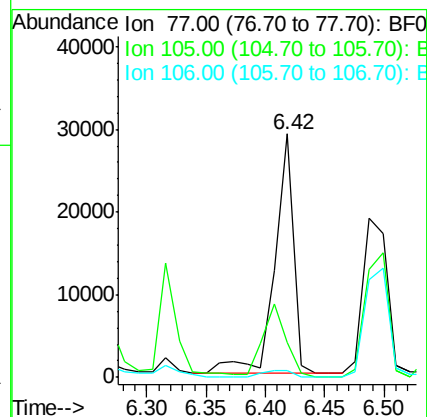
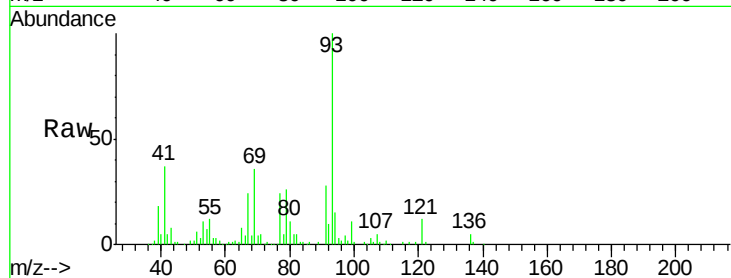
Tgt Ion: 77 Resp: 32484

Ion Ratio Lower Upper

77 100

105 14.2 91.6 131.6#

106 3.0 102.6 142.6#



#10

Phenol

Concen: 6.97 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

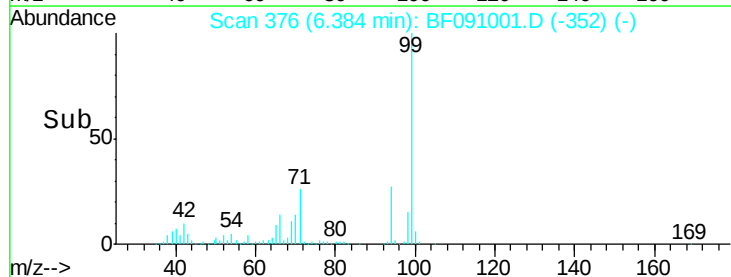
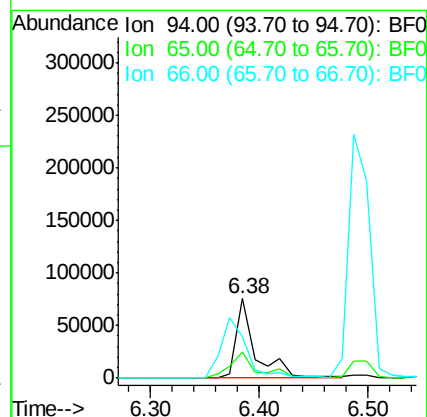
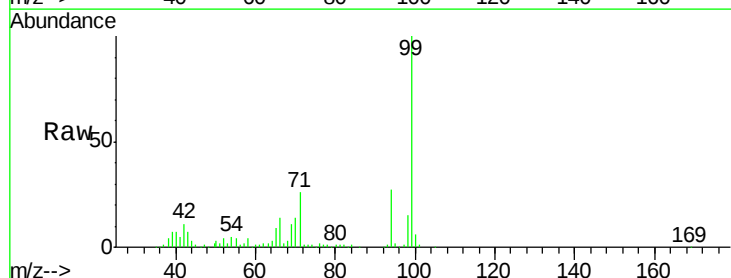
Tgt Ion: 94 Resp: 93793

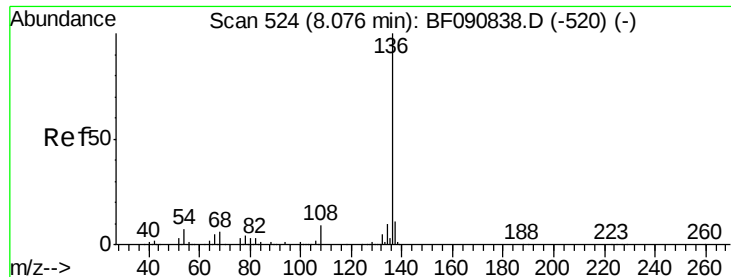
Ion Ratio Lower Upper

94 100

65 32.6 0.7 40.7

66 52.4 0.8 40.8#

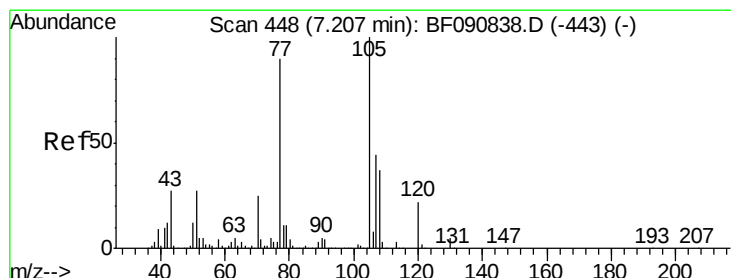
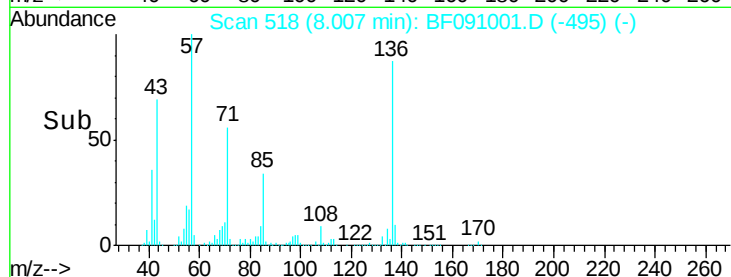
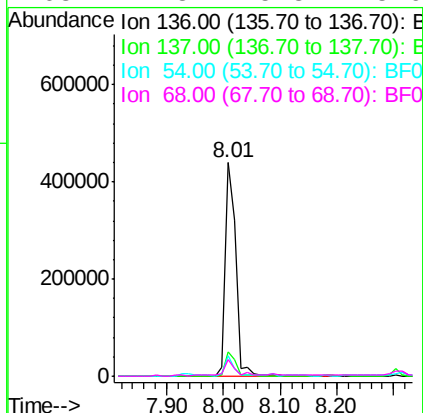
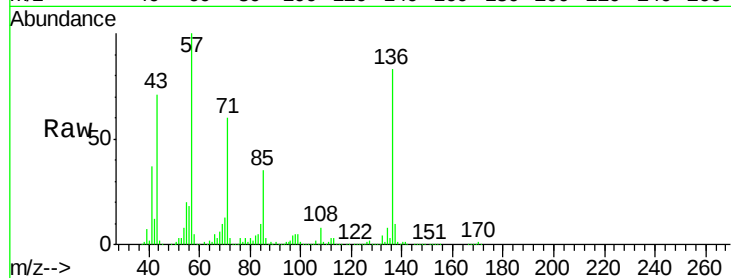




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF091001.D
Acq: 3 Nov 2016 1:01

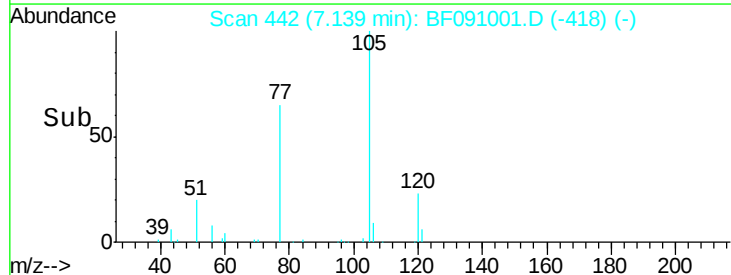
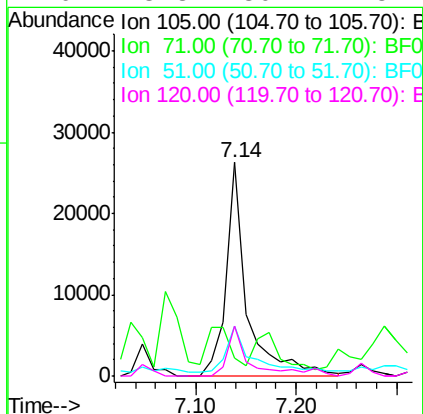
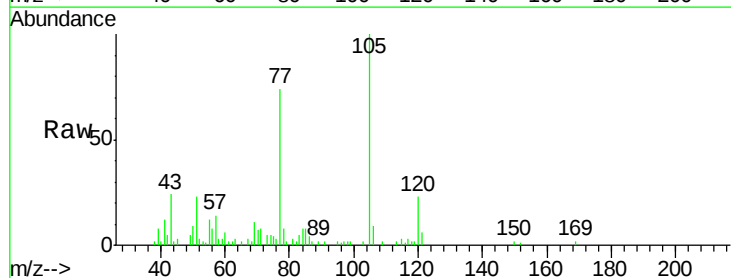
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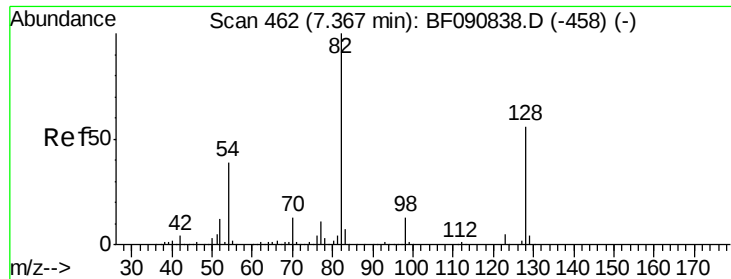
Tgt Ion:	136	Resp:	574948
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	9.5	8.2	12.2
68	7.8	5.8	8.6



#22
Acetophenone
Concen: 3.23 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF091001.D
Acq: 3 Nov 2016 1:01

Tgt Ion:	105	Resp:	38218
Ion	Ratio	Lower	Upper
105	100		
71	8.4	4.7	7.1#
51	23.5	22.0	33.0
120	23.3	30.1	45.1#

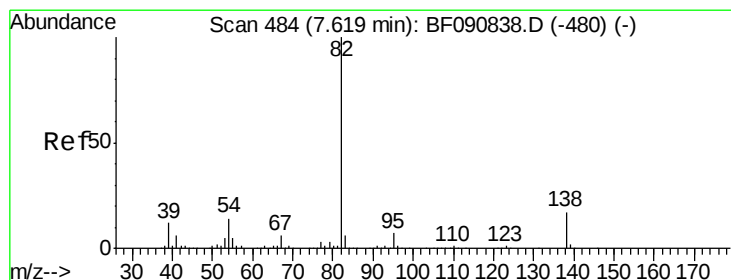
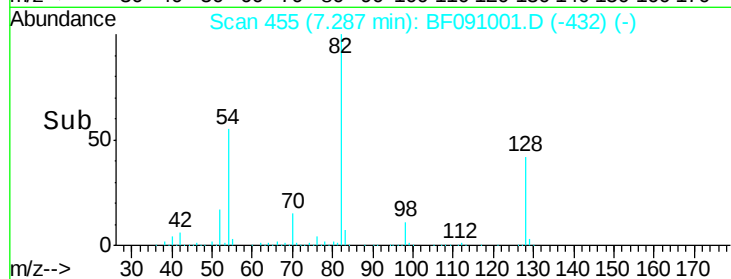
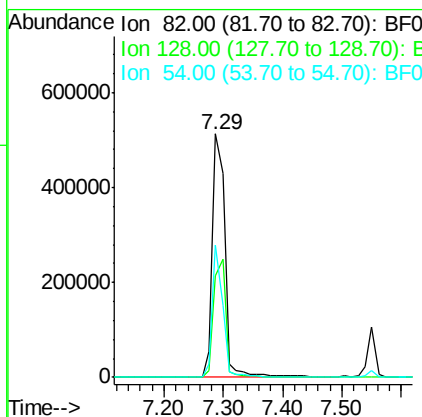
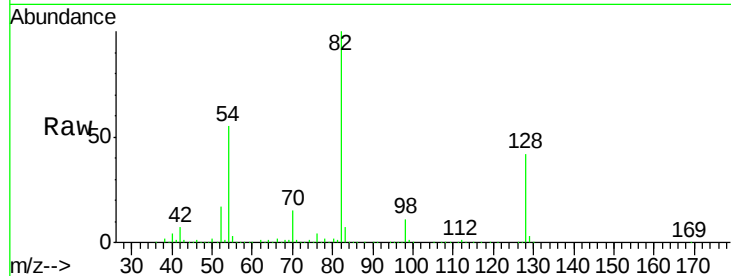




#23
 Nitrobenzene-d5
 Concen: 85.65 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: BF091001.D
 Acq: 3 Nov 2016 1:01

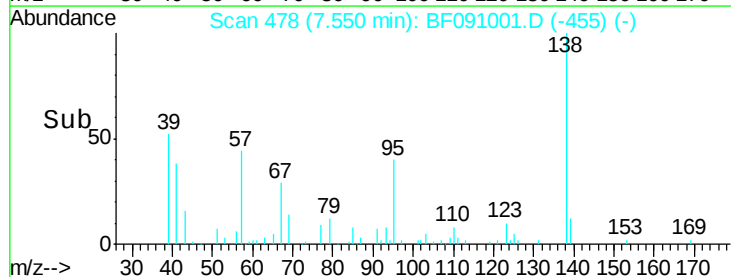
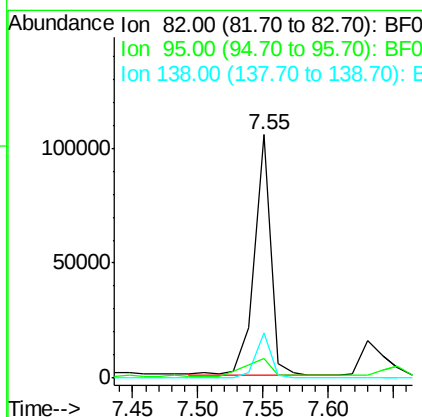
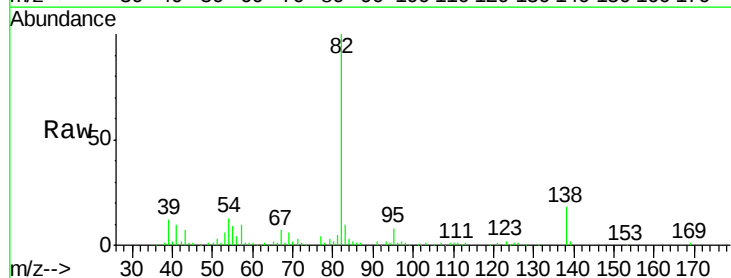
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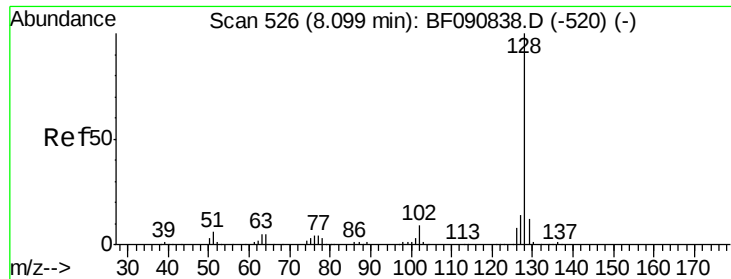
Tgt Ion: 82 Resp: 752256
 Ion Ratio Lower Upper
 82 100
 128 41.7 51.0 76.6#
 54 54.5 47.5 71.3



#25
 Isophorone
 Concen: 5.21 ng
 RT: 7.55 min Scan# 478
 Delta R.T. -0.03 min
 Lab File: BF091001.D
 Acq: 3 Nov 2016 1:01

Tgt Ion: 82 Resp: 92876
 Ion Ratio Lower Upper
 82 100
 95 7.8 4.0 6.0#
 138 18.4 18.3 27.5

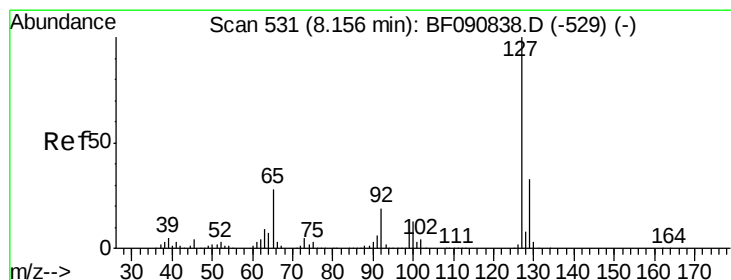
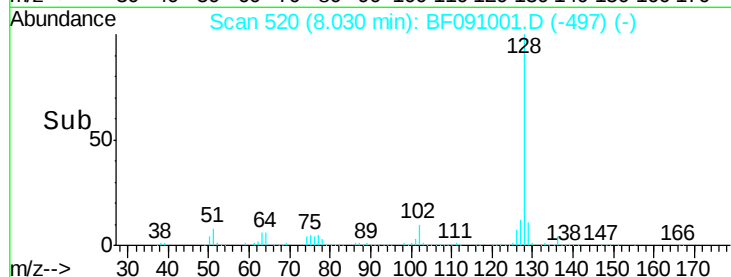
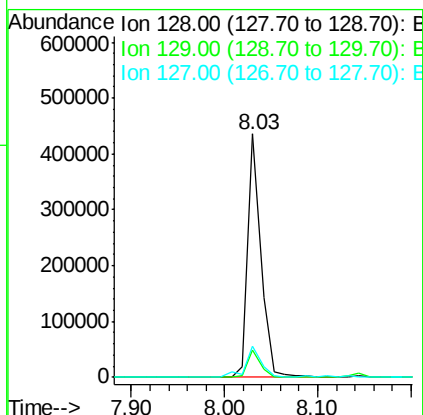
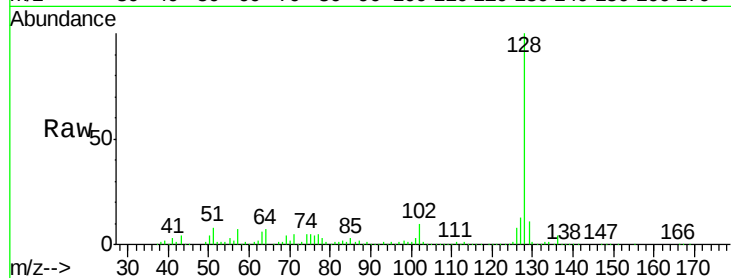




#31
Naphthalene
Concen: 16.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF091001.D
Acq: 3 Nov 2016 1:01

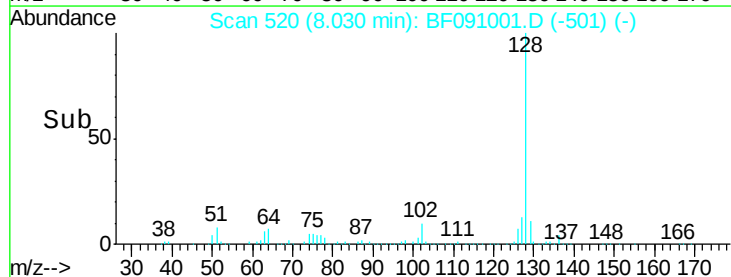
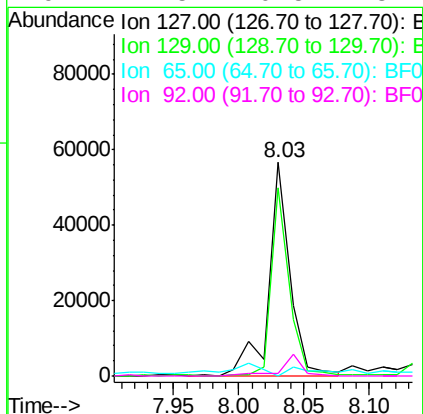
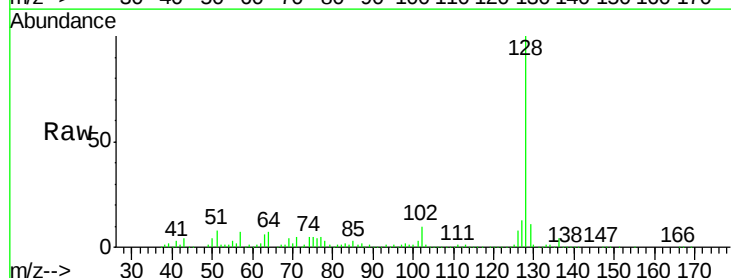
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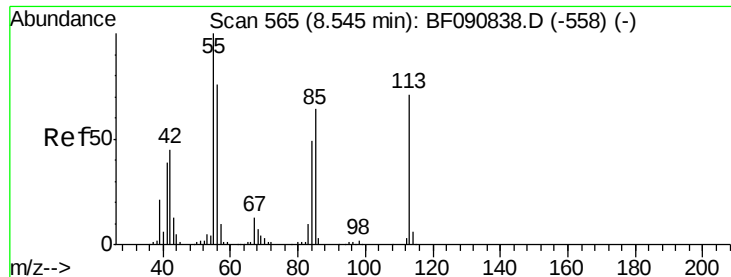
Tgt Ion:128 Resp: 430115
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.0 9.9 14.9



#33
4-Chloroaniline
Concen: 6.06 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.08 min
Lab File: BF091001.D
Acq: 3 Nov 2016 1:01

Tgt Ion:127 Resp: 65824
Ion Ratio Lower Upper
127 100
129 87.9 25.8 38.6#
65 0.0 17.9 26.9#
92 1.5 10.5 15.7#

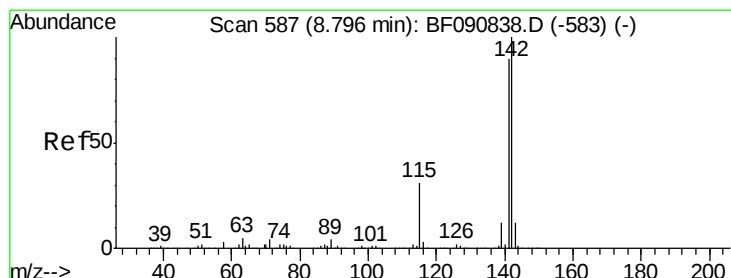
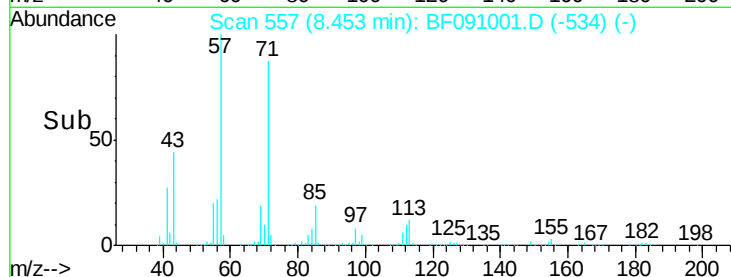
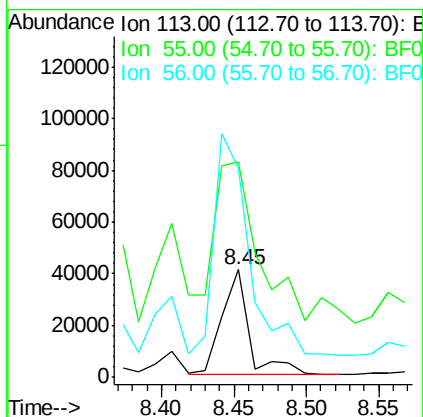
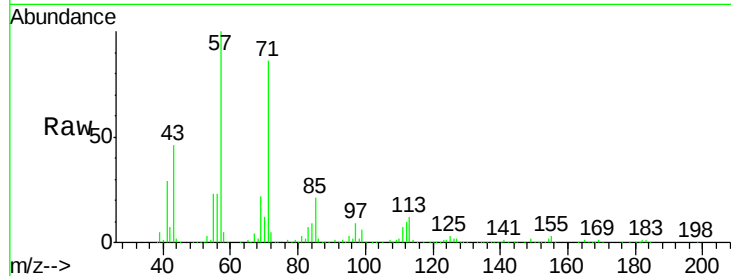




#35
 Caprolactam
 Concen: 23.06 ng
 RT: 8.45 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: BF091001.D
 Acq: 3 Nov 2016 1:01

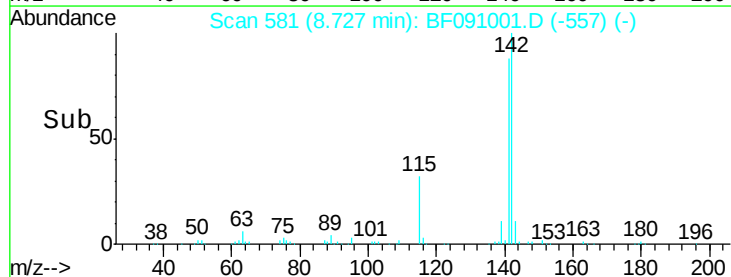
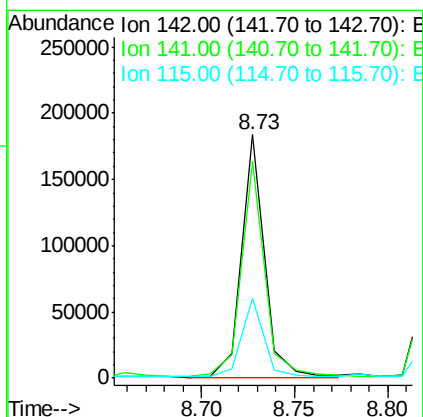
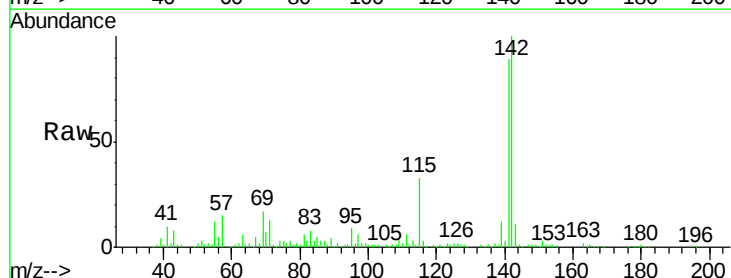
Instrument :
 BNA_F
 ClientSampleId :
 SB-90-0.0-1.0DL

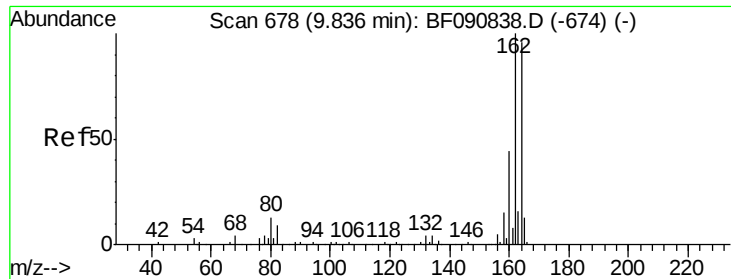
Tgt Ion:113 Resp: 53405
 Ion Ratio Lower Upper
 113 100
 55 200.4 152.4 192.4#
 56 194.7 104.6 144.6#



#37
 2-Methylnaphthalene
 Concen: 9.01 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: BF091001.D
 Acq: 3 Nov 2016 1:01

Tgt Ion:142 Resp: 156390
 Ion Ratio Lower Upper
 142 100
 141 89.1 67.5 101.3
 115 32.6 18.2 27.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

Instrument :

BNA_F

ClientSampleId :

SB-90-0.0-1.0DL

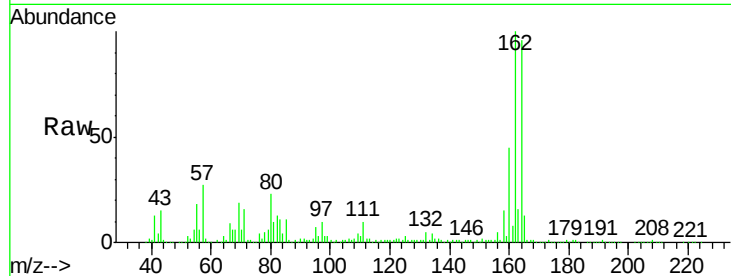
Tgt Ion:164 Resp: 308122

Ion Ratio Lower Upper

164 100

162 104.1 75.2 112.8

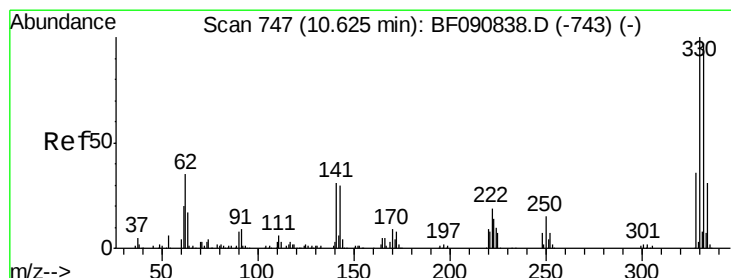
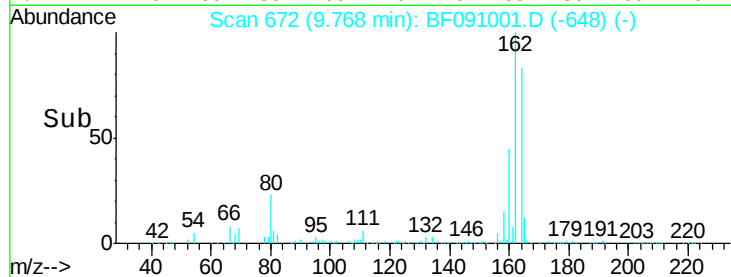
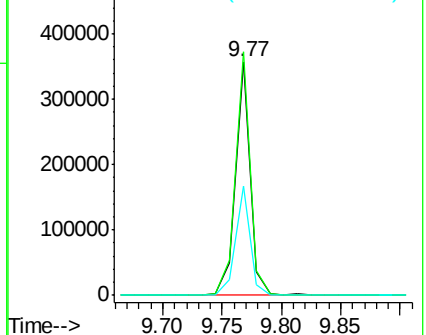
160 46.4 31.5 47.3



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: 76.86 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091001.D

Acq: 3 Nov 2016 1:01

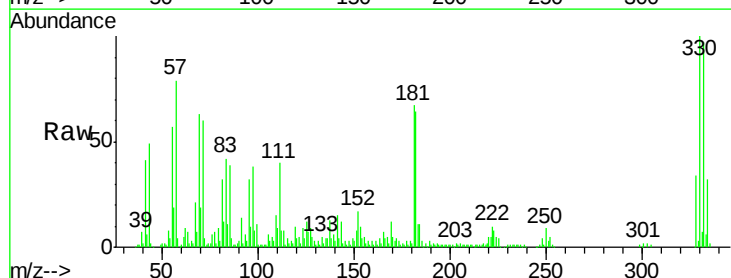
Tgt Ion:330 Resp: 243382

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

141 29.6 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

