

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF091002.D
 Acq On : 3 Nov 2016 1:28
 Operator : UM/SJ
 Sample : H5509-17 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Nov 03 01:08:13 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	140354	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	560024	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	261383	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	347737	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	303888	20.00	ng	0.00
86) Perylene-d12	15.30	264	289728	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	224608	27.98	ng	-0.02
7) Phenol-d6	6.37	99	46633	4.31	ng	-0.02
23) Nitrobenzene-d5	7.29	82	179103	20.94	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	41922	15.61	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	233022	15.65	ng	-0.02
78) Terphenyl-d14	12.84	244	174542	14.47	ng	-0.01

Target Compounds						Qvalue
6) Aniline	6.42	93	75889	6.13	ng	# 56
9) Benzaldehyde	6.24	77	41171	7.36	ng	# 1
11) bis(2-Chloroethyl)ether	6.42	93	75889	7.69	ng	# 19
16) 2,2'-oxybis(1-Chloropropan	6.90	45	45689	4.65	ng	93
18) Hexachloroethane	7.26	117	11956	3.08	ng	# 1
19) n-Nitroso-di-n-propylamine	7.17	70	20278	3.24	ng	# 41
20) 3+4-Methylphenols	7.16	107	27050	3.10	ng	85
25) Isophorone	7.55	82	365239	21.04	ng	# 83
31) Naphthalene	8.03	128	752880	28.76	ng	97
33) 4-Chloroaniline	8.03	127	99337	9.39	ng	# 30
37) 2-Methylnaphthalene	8.73	142	285139	16.86	ng	# 90
45) 1,1'-Biphenyl	9.18	154	110440	5.87	ng	91
48) Acenaphthylene	9.63	152	154409	7.12	ng	97
49) Dimethylphthalate	9.49	163	107782	6.17	ng	# 97
51) Acenaphthene	9.80	154	637384	42.68	ng	89
54) Dibenzofuran	9.97	168	923186	47.90	ng	# 84
55) 4-Nitrophenol	9.97	139	384810	153.68	ng	# 27
57) Fluorene	10.32	166	976669	61.87	ng	93
70) Phenanthrene	11.33	178	1535397	86.70	ng	94
71) Anthracene	11.33	178	1535397	82.34	ng	94
72) Carbazole	11.48	167	670356	40.71	ng	# 91
73) Di-n-butylphthalate	11.82	149	101518	4.78	ng	# 91
74) Fluoranthene	12.49	202	5409698	278.96	ng	91
77) Pyrene	12.72	202	4784852	248.80	ng	# 90
79) Butylbenzylphthalate	13.32	149	44732	5.13	ng	# 82
80) Benzo(a)anthracene	13.89	228	3586321	222.37	ng	# 89
82) Chrysene	13.94	228	2445491	149.91	ng	# 86
83) Bis(2-ethylhexyl)phthalate	13.88	149	181261	15.95	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.66	276	1174116	81.22	ng	# 86
87) Benzo(b)fluoranthene	14.92	252	4262982	218.82	ng	# 87
88) Benzo(k)fluoranthene	14.92	252	4262982	276.89	ng	# 87
89) Benzo(a)pyrene	15.25	252	2079844	124.25	ng	# 86
90) Dibenzo(a,h)anthracene	16.66	278	344409	24.30	ng	# 80
91) Benzo(g,h,i)perylene	17.06	276	929015	69.61	ng	# 80

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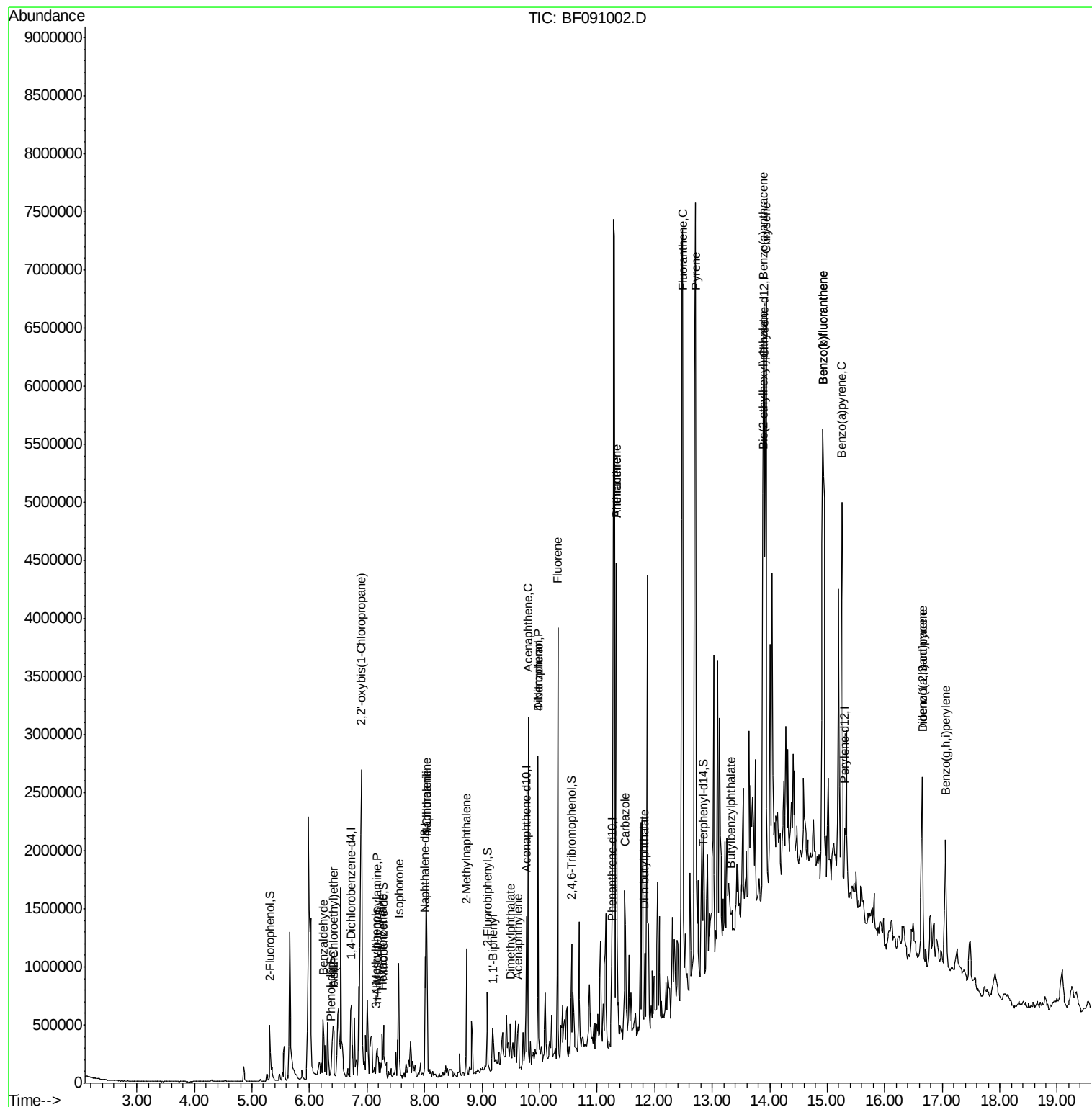
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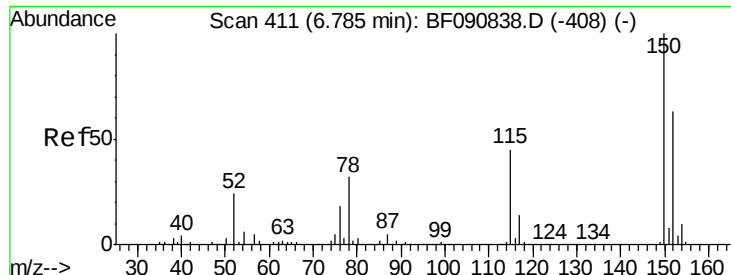
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091002.D

Acq: 3 Nov 2016 1:28

Instrument :

BNA_F

ClientSampleId :

S-1

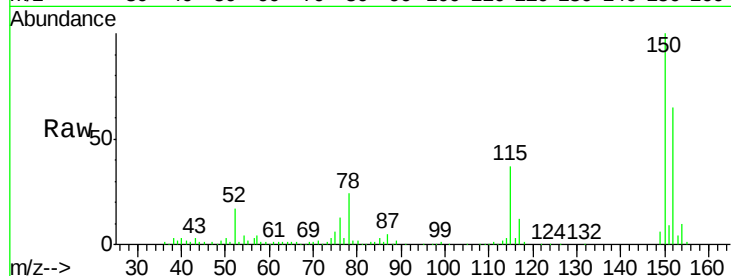
Tgt Ion:152 Resp: 140354

Ion Ratio Lower Upper

152 100

150 152.9 124.7 187.1

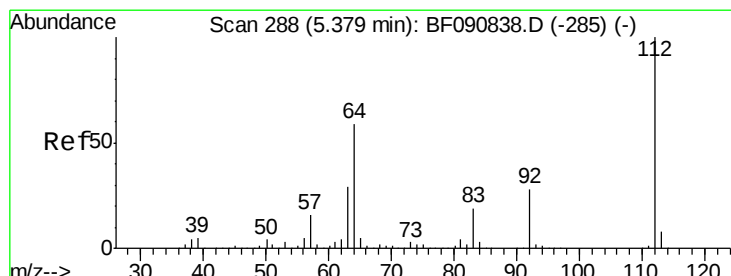
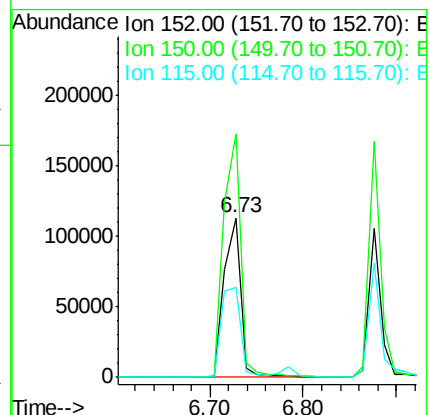
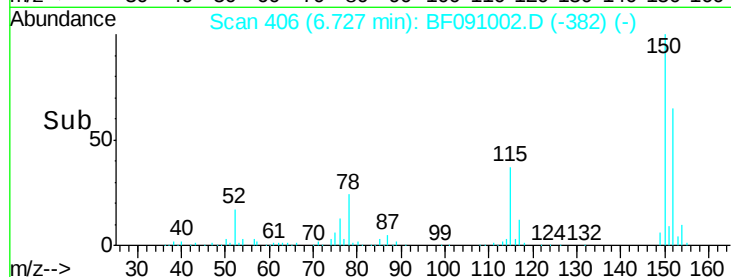
115 56.8 39.0 58.4



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: 27.98 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.02 min

Lab File: BF091002.D

Acq: 3 Nov 2016 1:28

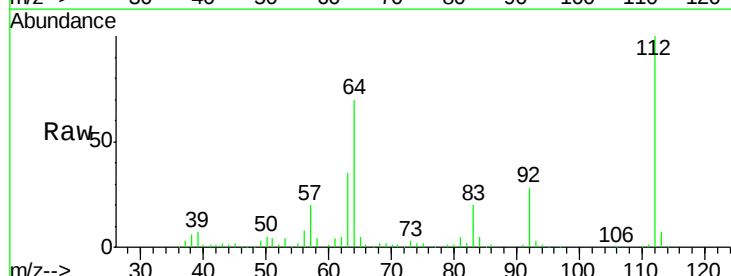
Tgt Ion:112 Resp: 224608

Ion Ratio Lower Upper

112 100

64 70.1 39.7 59.5#

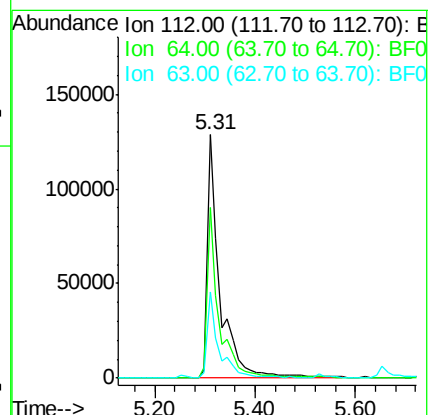
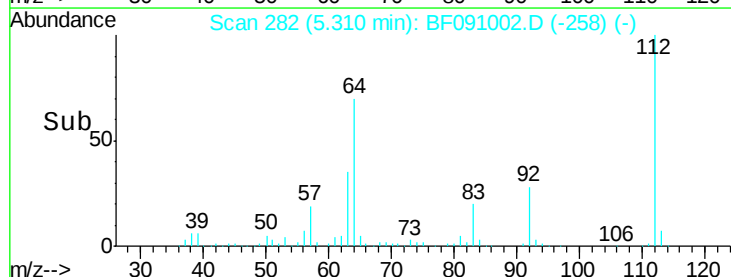
63 35.2 17.4 26.0#

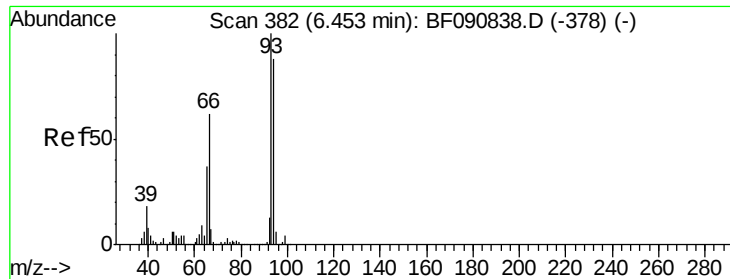


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 6.13 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091002.D

Acq: 3 Nov 2016 1:28

Instrument :

BNA_F

ClientSampled :

S-1

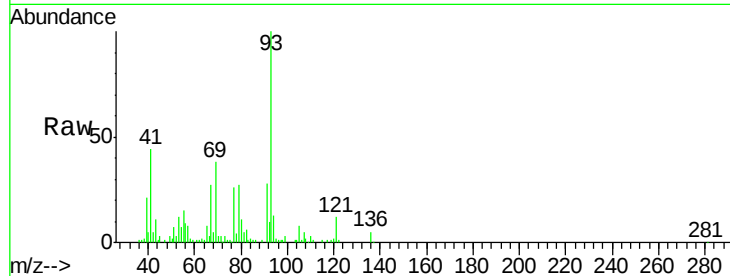
Tgt Ion: 93 Resp: 75889

Ion Ratio Lower Upper

93 100

66 2.7 27.2 40.8#

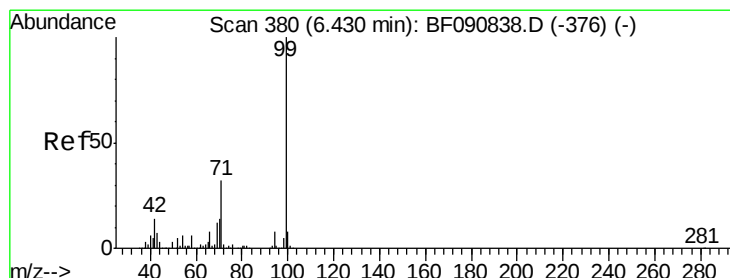
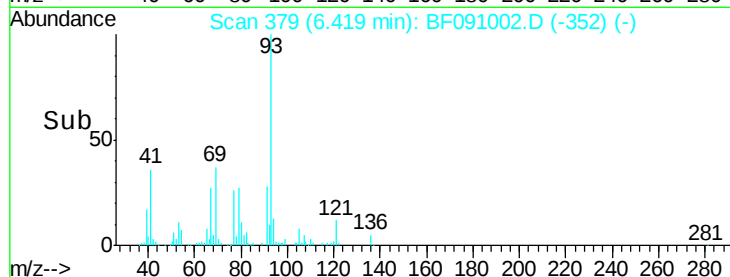
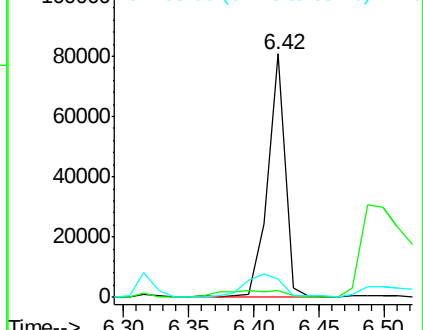
65 7.7 14.7 22.1#



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: 4.31 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF091002.D

Acq: 3 Nov 2016 1:28

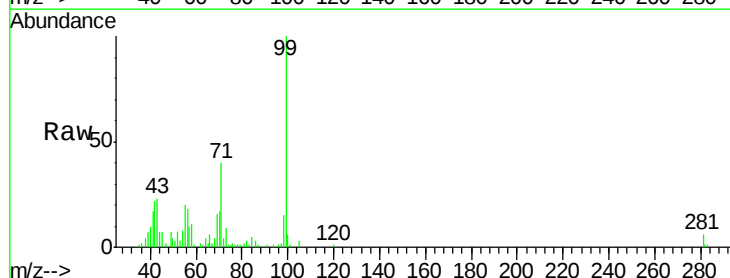
Tgt Ion: 99 Resp: 46633

Ion Ratio Lower Upper

99 100

42 22.2 13.7 20.5#

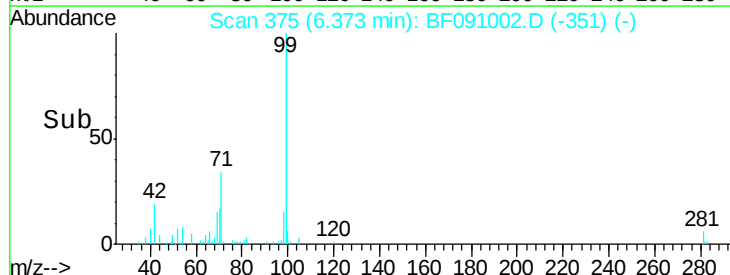
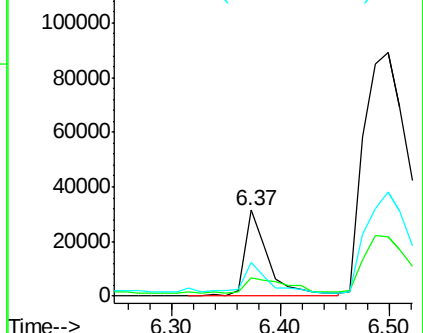
71 39.8 14.2 21.2#

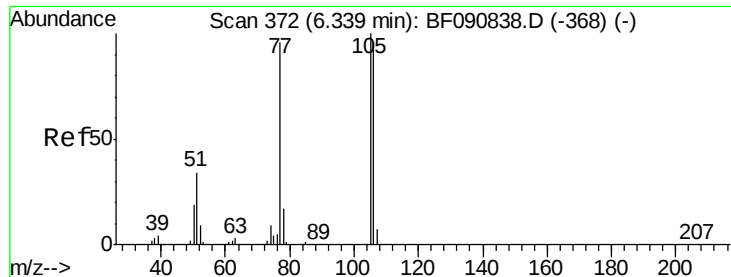


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 7.36 ng

RT: 6.24 min Scan# 363

Delta R.T. -0.06 min

Lab File: BF091002.D

Acq: 3 Nov 2016 1:28

Instrument :

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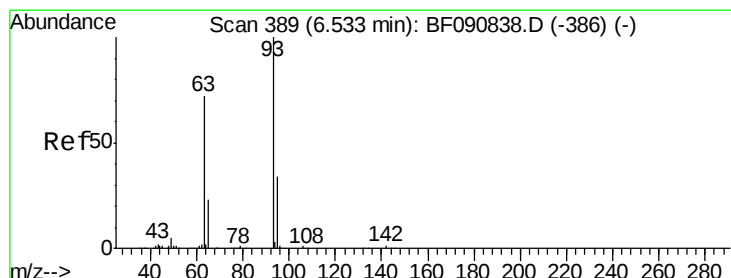
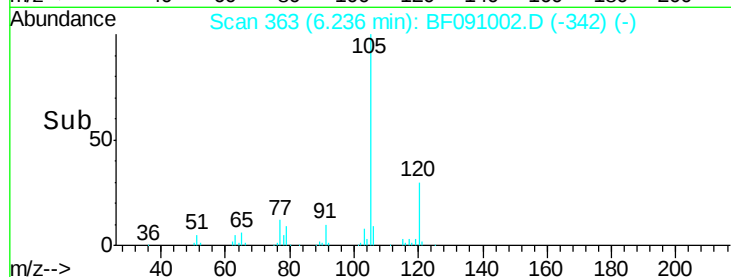
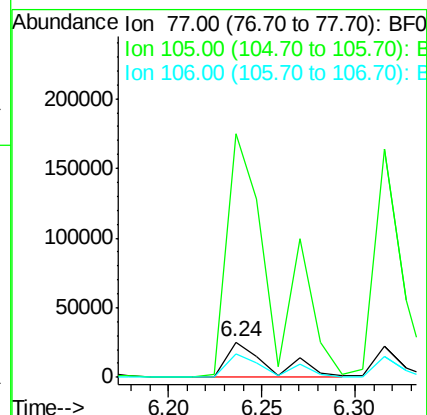
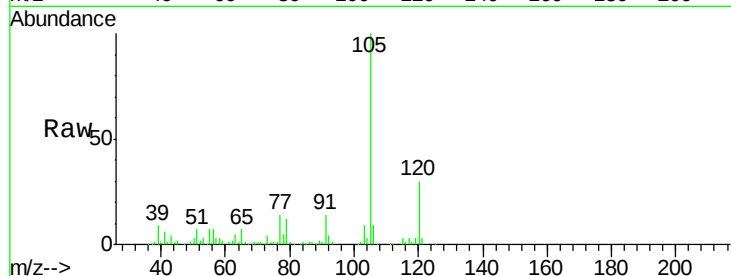
Tgt Ion: 77 Resp: 41171

Ion Ratio Lower Upper

77 100

105 693.6 91.6 131.6#

106 65.8 102.6 142.6#



#11

bis(2-Chloroethyl)ether

Concen: 7.69 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.07 min

Lab File: BF091002.D

Acq: 3 Nov 2016 1:28

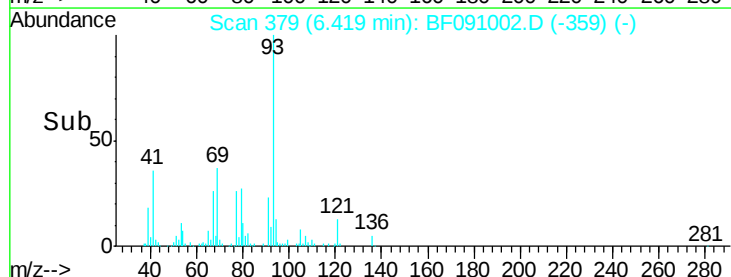
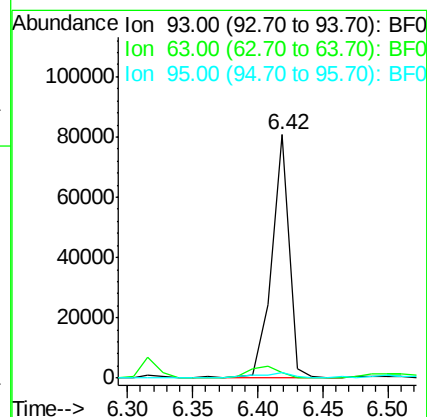
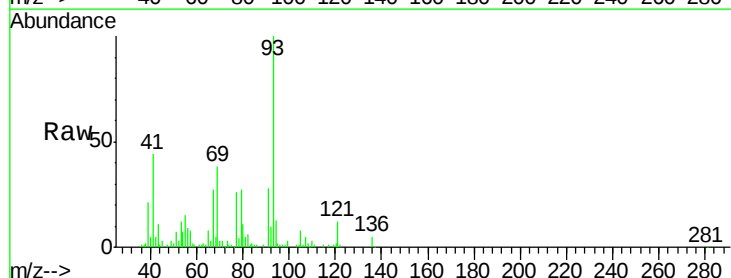
Tgt Ion: 93 Resp: 75889

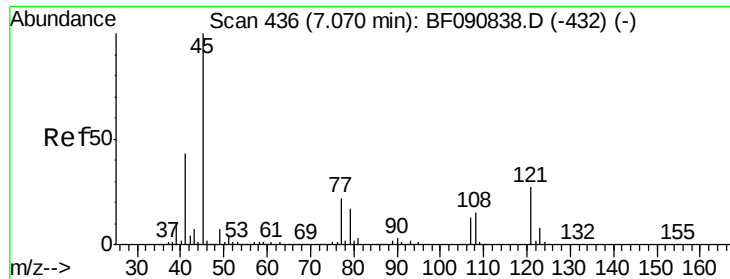
Ion Ratio Lower Upper

93 100

63 2.3 65.6 105.6#

95 2.3 13.6 53.6#

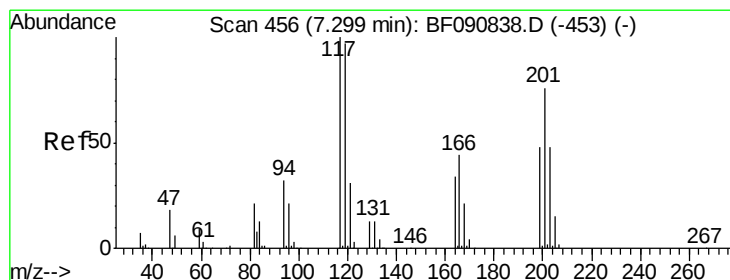
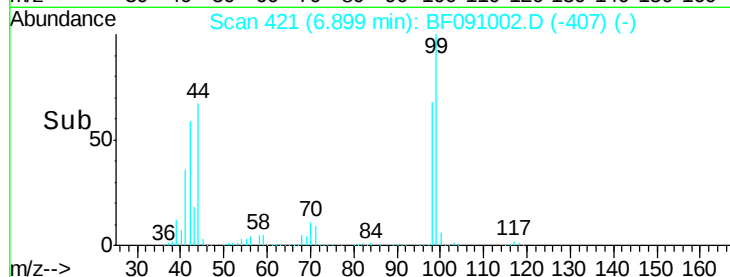
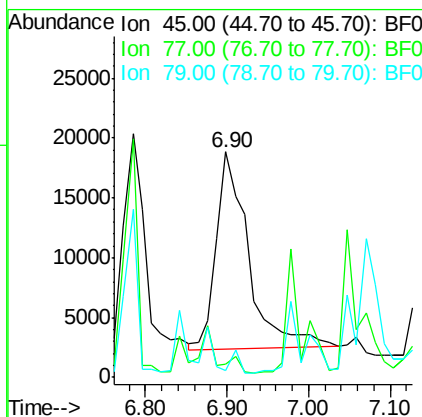
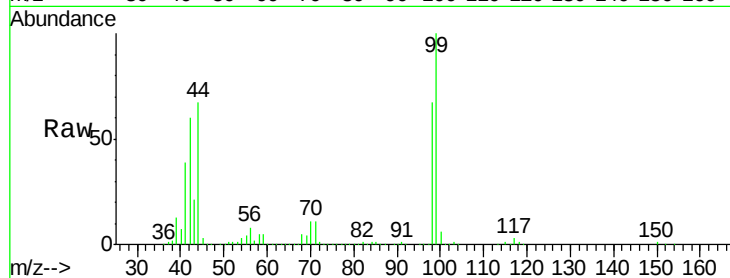




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 4.65 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.14 min
 Lab File: BF091002.D
 Acq: 3 Nov 2016 1:28

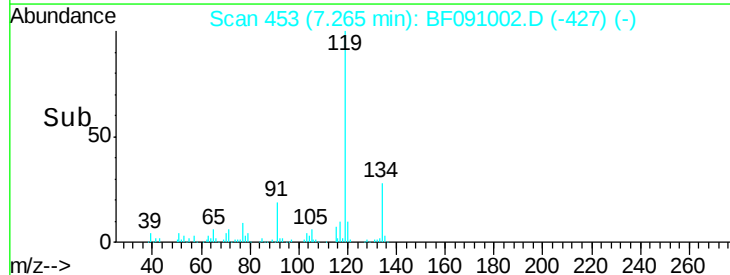
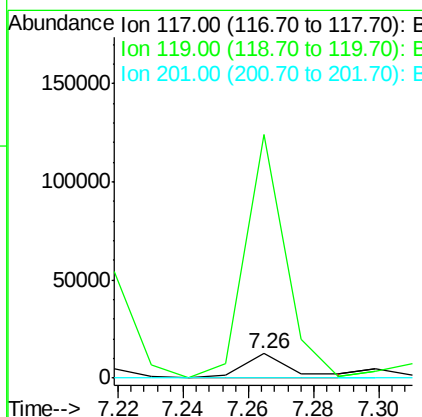
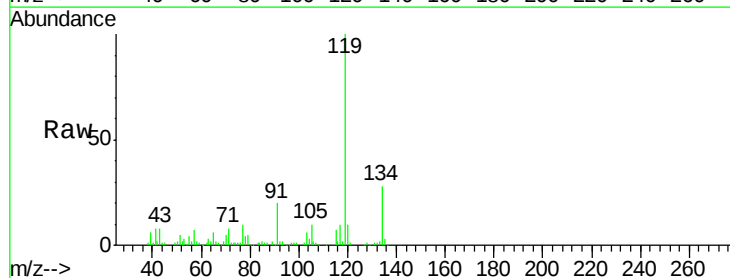
Instrument :
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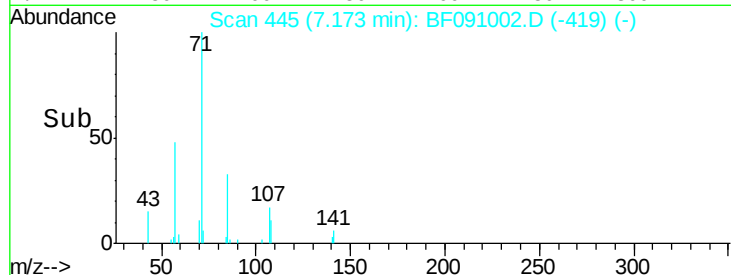
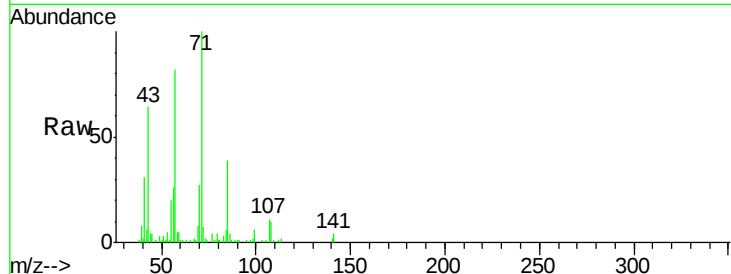
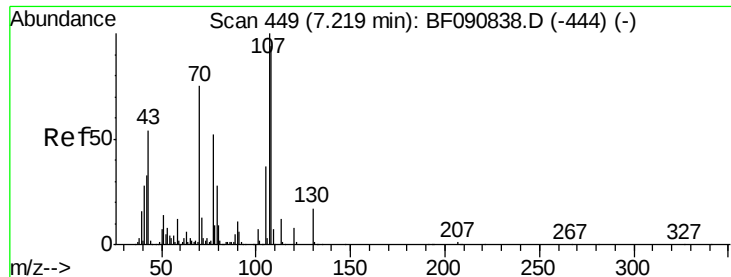
Tgt Ion: 45 Resp: 45689
 Ion Ratio Lower Upper
 45 100
 77 6.1 0.0 28.1
 79 2.8 0.0 26.0



#18
 Hexachloroethane
 Concen: 3.08 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: BF091002.D
 Acq: 3 Nov 2016 1:28

Tgt Ion: 117 Resp: 11956
 Ion Ratio Lower Upper
 117 100
 119 1004.0 83.8 125.6#
 201 0.0 55.1 82.7#

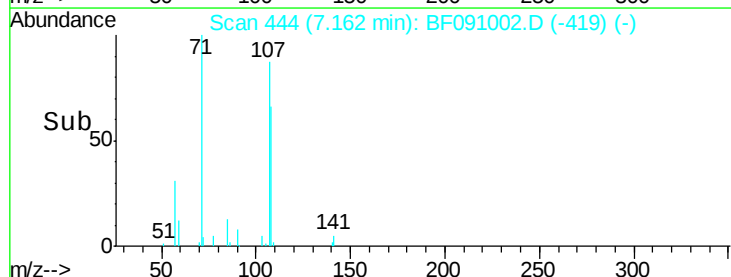
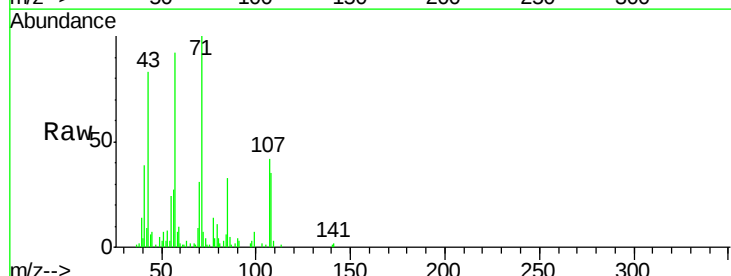
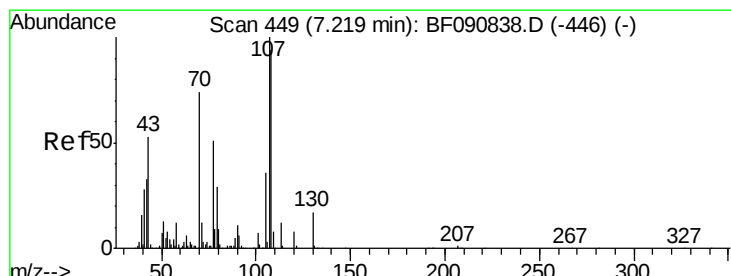
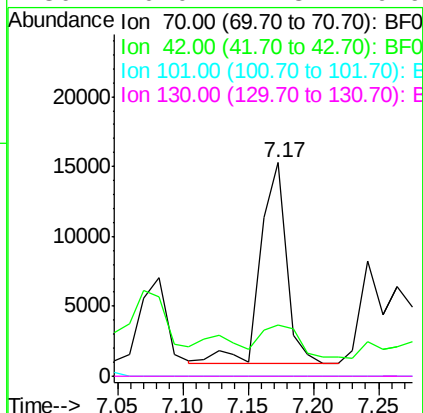




#19
n-Nitroso-di-n-propylamine
Concen: 3.24 ng
RT: 7.17 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF091002.D
Acq: 3 Nov 2016 1:28

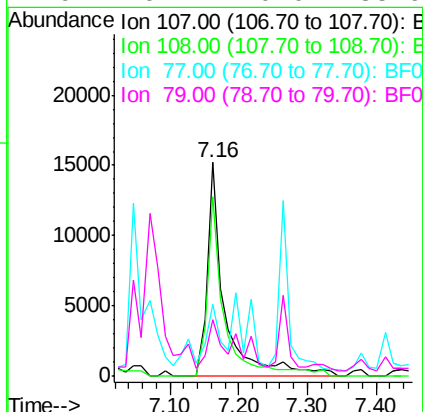
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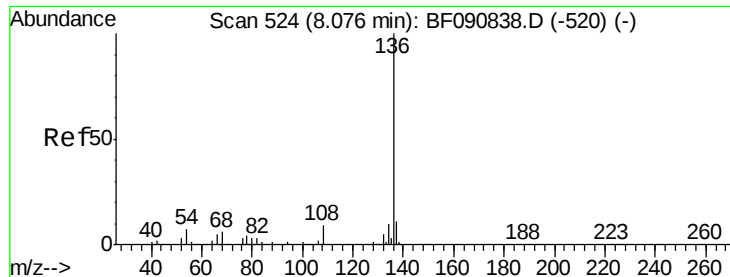
Tgt Ion: 70 Resp: 20278
Ion Ratio Lower Upper
70 100
42 23.8 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#20
3+4-Methylphenols
Concen: 3.10 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF091002.D
Acq: 3 Nov 2016 1:28

Tgt Ion: 107 Resp: 27050
Ion Ratio Lower Upper
107 100
108 83.9 74.6 114.6
77 33.9 0.7 40.7
79 26.4 0.0 38.9

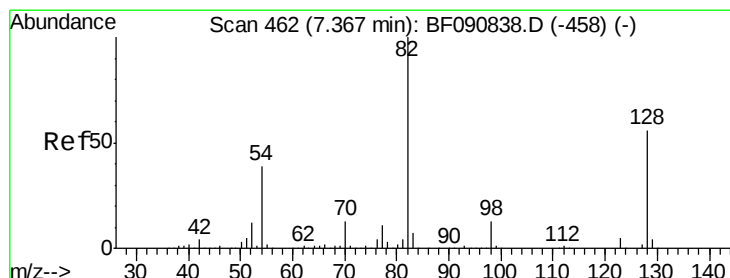
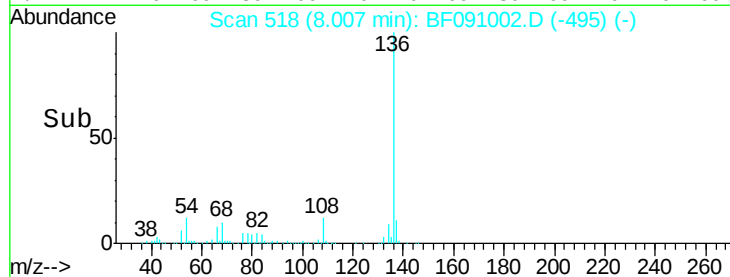
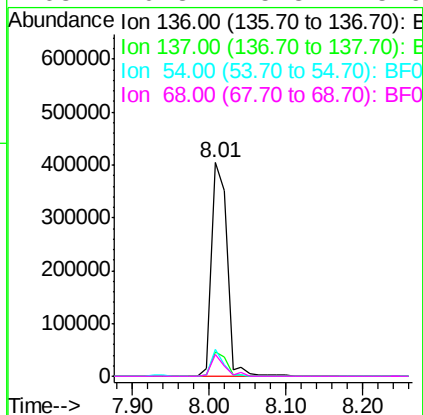
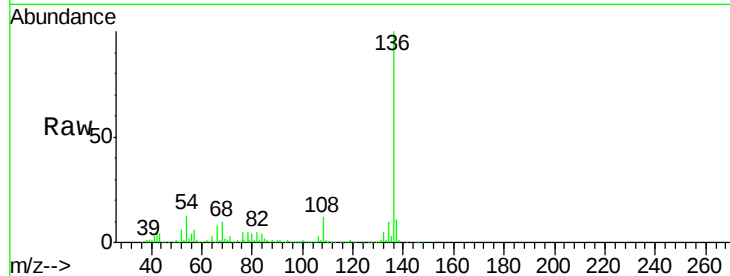




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF091002.D
Acq: 3 Nov 2016 1:28

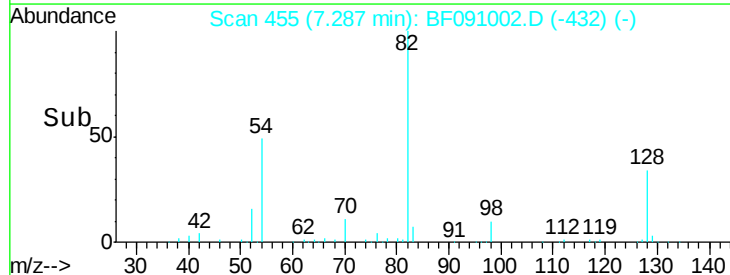
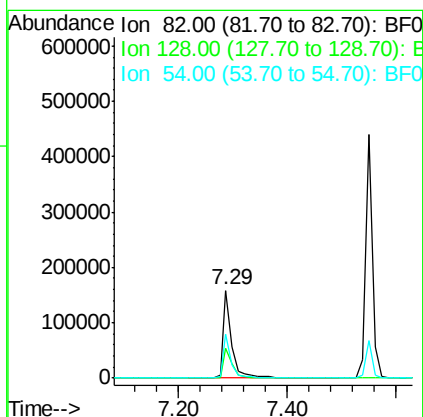
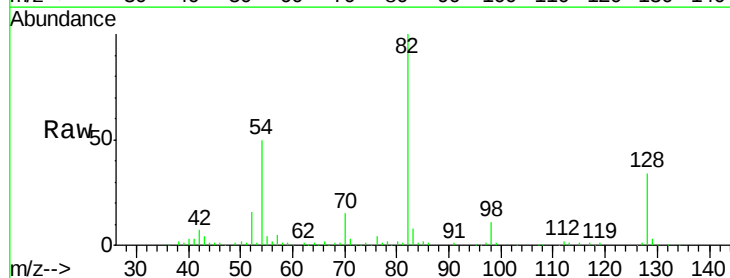
Instrument :
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ClientSampleId :
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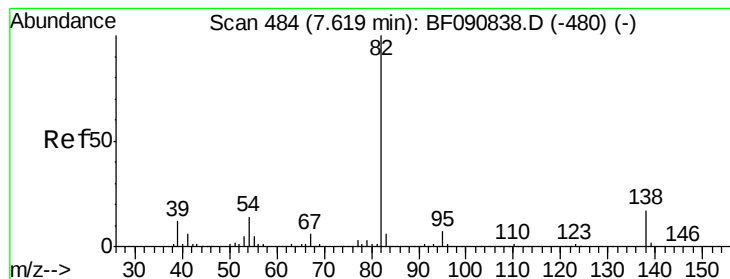
Tgt Ion:	136	Resp:	560024
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	12.6	8.2	12.2#
68	10.3	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 20.94 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF091002.D
Acq: 3 Nov 2016 1:28

Tgt Ion:	82	Resp:	179103
Ion	Ratio	Lower	Upper
82	100		
128	33.8	51.0	76.6#
54	49.7	47.5	71.3





#25

Isophorone

Concen: 21.04 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.03 min

Lab File: BF091002.D

Acq: 3 Nov 2016 1:28

Instrument :

BNA_F

ClientSampleId :

S-1

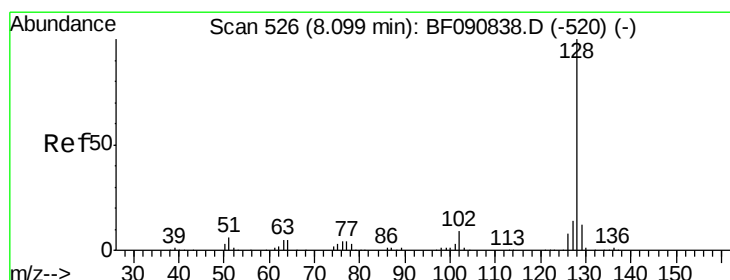
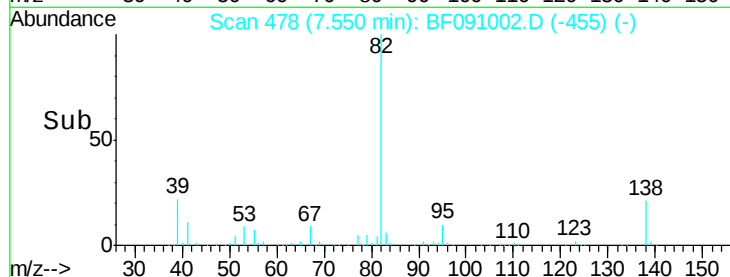
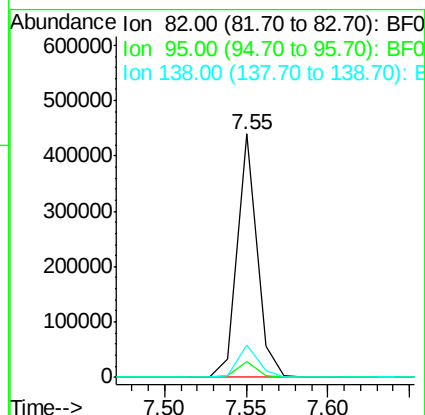
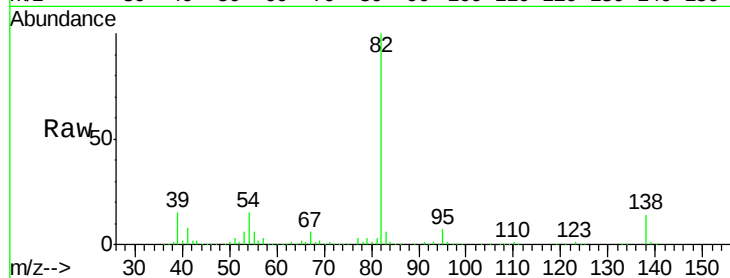
Tgt Ion: 82 Resp: 365239

Ion Ratio Lower Upper

82 100

95 6.5 4.0 6.0#

138 13.5 18.3 27.5#



#31

Naphthalene

Concen: 28.76 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF091002.D

Acq: 3 Nov 2016 1:28

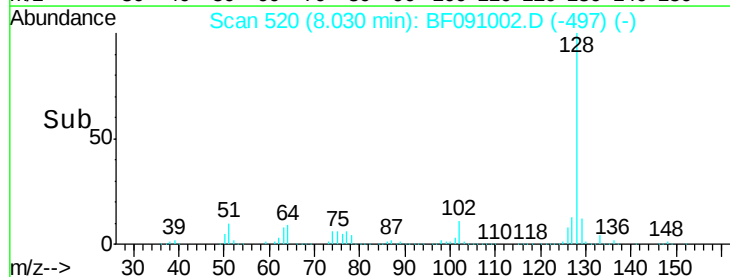
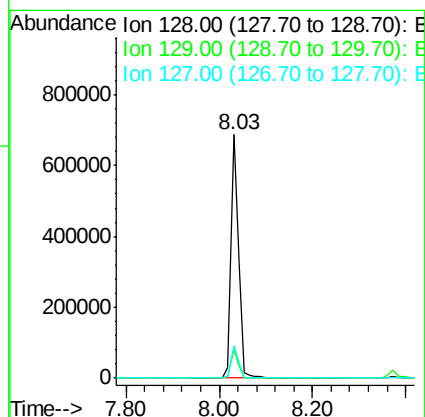
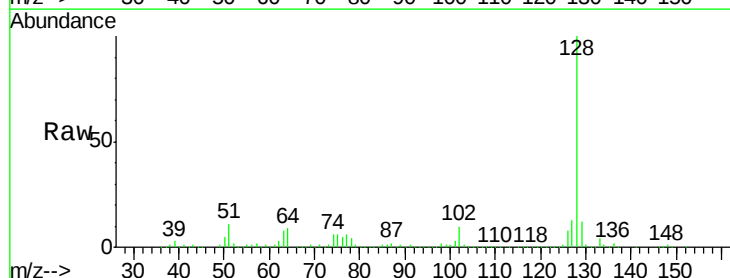
Tgt Ion: 128 Resp: 752880

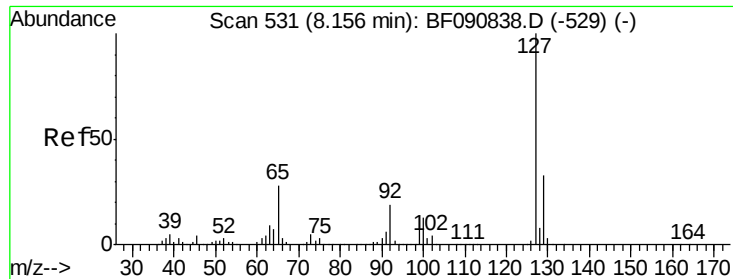
Ion Ratio Lower Upper

128 100

129 11.9 8.4 12.6

127 13.2 9.9 14.9

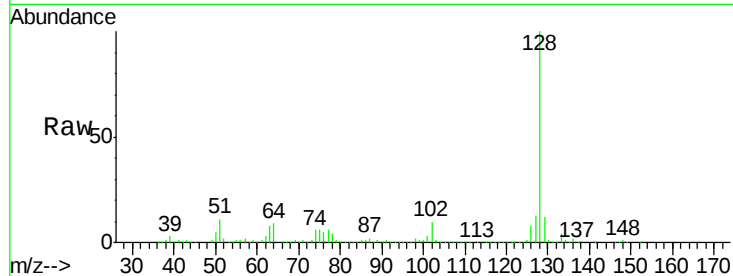




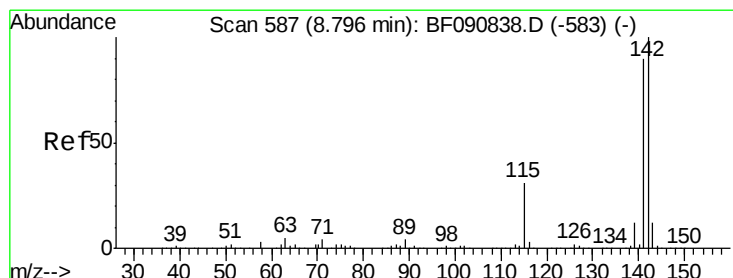
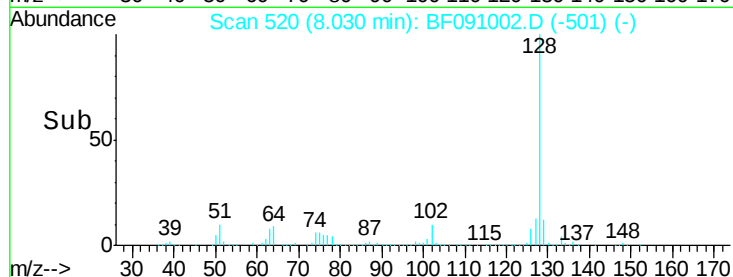
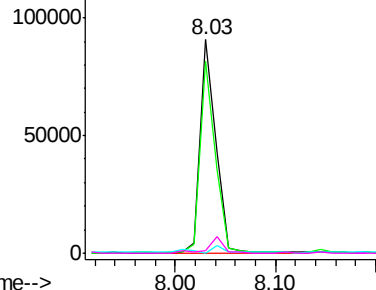
#33
4-Chloroaniline
Concen: 9.39 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.08 min
Lab File: BF091002.D
Acq: 3 Nov 2016 1:28

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:	127	Resp:	99337
Ion Ratio	Lower	Upper	
127	100		
129	90.2	25.8	38.6#
65	0.0	17.9	26.9#
92	1.3	10.5	15.7#

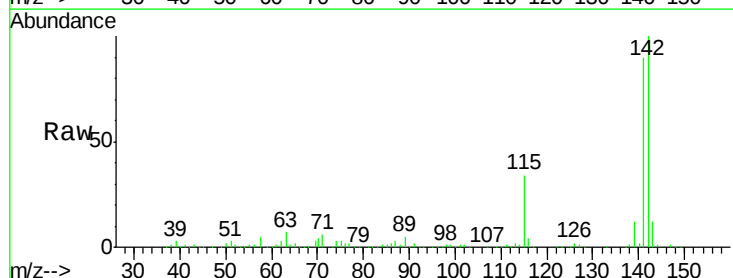


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0



#37
2-Methylnaphthalene
Concen: 16.86 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF091002.D
Acq: 3 Nov 2016 1:28

Tgt Ion:	142	Resp:	285139
Ion Ratio	Lower	Upper	
142	100		
141	90.1	67.5	101.3
115	34.4	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

