

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091685.D
 Acq On : 16 Dec 2016 20:59
 Operator : UM/SJ
 Sample : H6125-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46(10-12)-12-14-16

Quant Time: Dec 16 22:02:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	128036	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	410697	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	171900	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	245149	20.00	ng	0.08
75) Chrysene-d12	13.95	240	228900	20.00	ng	0.01
86) Perylene-d12	15.33	264	245865	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	779091	102.52	ng	-0.01
7) Phenol-d6	6.42	99	1049184	110.74	ng	-0.01
23) Nitrobenzene-d5	7.34	82	693941	94.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	150358	105.31	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	798203	80.23	ng	0.01
78) Terphenyl-d14	12.90	244	5054	0.50	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	17261	2.65	ng	# 17
10) Phenol	6.43	94	68958	6.23	ng	# 93
15) Benzyl Alcohol	6.93	79	44067	5.89	ng	# 43
17) 2-Methylphenol	7.06	107	14769	2.08	ng	# 1
18) Hexachloroethane	7.36	117	1580440	441.36	ng	# 3
19) n-Nitroso-di-n-propylamine	7.21	70	47867	8.08	ng	# 61
20) 3+4-Methylphenols	7.17	107	8206	Below Cal		# 1
22) Acetophenone	7.13	105	326552	33.19	ng	# 70
24) Nitrobenzene	7.32	77	206800	26.60	ng	# 33
25) Isophorone	7.60	82	202219	15.46	ng	# 1
26) 2-Nitrophenol	7.70	139	18897	5.51	ng	# 1
27) 2,4-Dimethylphenol	7.72	122	21905	3.63	ng	# 1
28) bis(2-Chloroethoxy)methane	7.82	93	56816	7.40	ng	# 1
29) 2,4-Dichlorophenol	7.93	162	33652	6.42	ng	# 53
31) Naphthalene	8.06	128	96311	5.04	ng	# 1
32) Benzoic acid	7.87	122	22036	9.47	ng	# 30
33) 4-Chloroaniline	8.12	127	58685	7.13	ng	# 1
35) Caprolactam	8.51	113	169694	110.82	ng	# 55
36) 4-Chloro-3-methylphenol	8.61	107	44873	7.63	ng	# 28
37) 2-Methylnaphthalene	8.80	142	3557116	287.61	ng	# 96
42) 2,4,6-Trichlorophenol	9.12	196	7070	2.33	ng	# 27
43) 2,4,5-Trichlorophenol	9.12	196	6524	2.10	ng	# 1
47) 2-Nitroaniline	9.42	65	83099	25.63	ng	# 40
48) Acenaphthylene	9.62	152	46294	3.15	ng	# 1
49) Dimethylphthalate	9.55	163	101471	9.32	ng	# 81
51) Acenaphthene	9.87	154	39747	3.89	ng	# 33
53) 2,4-Dinitrophenol	9.88	184	1336	3.55	ng	# 1
54) Dibenzofuran	10.03	168	82747	6.55	ng	# 30
55) 4-Nitrophenol	9.97	139	11830	5.67	ng	# 1
56) 2,4-Dinitrotoluene	10.03	165	10557	3.53	ng	# 1
57) Fluorene	10.40	166	79510	4.31	ng	# 1
59) Diethylphthalate	10.29	149	67225	6.41	ng	# 66
60) 4-Chlorophenyl-phenylether	10.40	204	80945	17.82	ng	# 1
61) 4-Nitroaniline	10.38	138	10799	3.87	ng	# 1

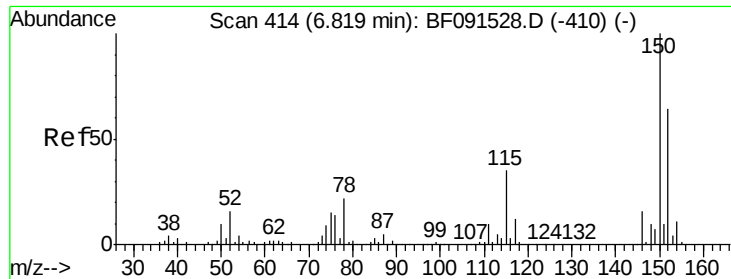
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	10.57	77	104678	8.81	ng	# 14
64) 4,6-Dinitro-2-methylphenol	10.56	198	34742	24.85	ng	# 1
65) n-Nitrosodiphenylamine	10.65	169	174250	23.84	ng	# 56
68) Atrazine	11.31	200	1045356	444.83	ng	# 96
70) Phenanthrene	11.40	178	36701	3.02	ng	# 1
71) Anthracene	11.40	178	36701	2.80	ng	# 1
72) Carbazole	11.50	167	179077	15.60	ng	# 17
73) Di-n-butylphthalate	11.93	149	195164	14.59	ng	# 1
74) Fluoranthene	12.53	202	292659	23.02	ng	# 89
76) Benzidine	12.61	184	67424	9.53	ng	# 1
80) Benzo(a)anthracene	13.97	228	28382	2.14	ng	# 15

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

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ClientSampleId :

SB-46(10-12)-12-14-16

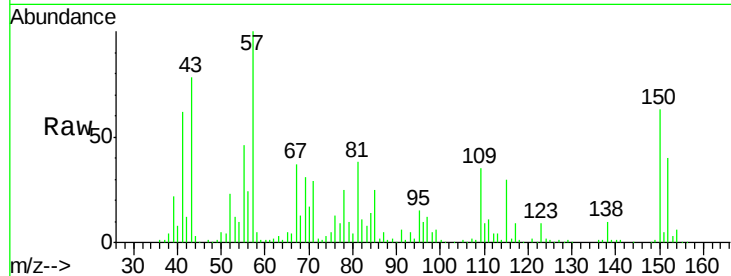
Tgt Ion:152 Resp: 128036

Ion Ratio Lower Upper

152 100

150 158.0 122.5 183.7

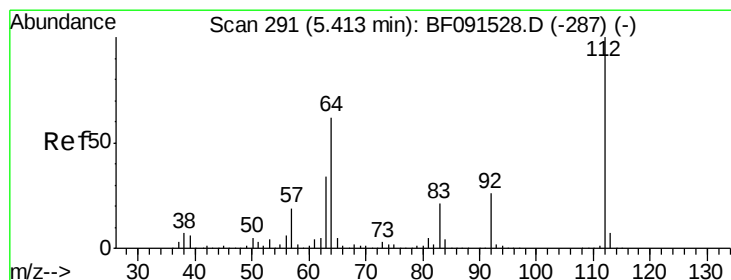
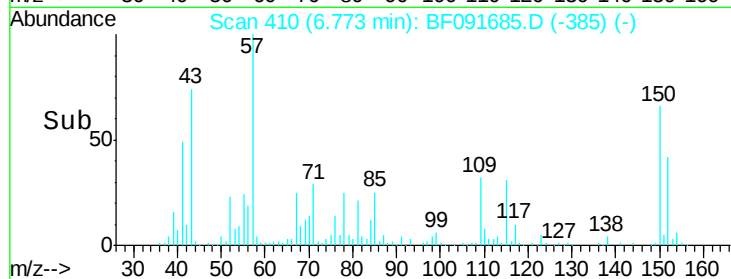
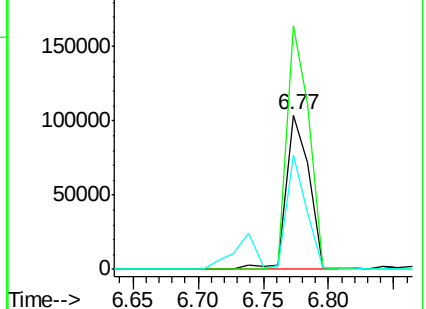
115 74.6 51.8 77.8



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: 102.52 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

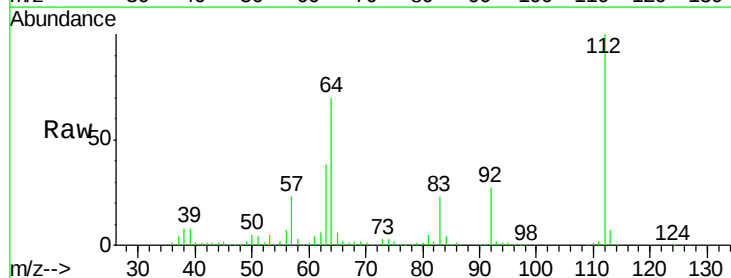
Tgt Ion:112 Resp: 779091

Ion Ratio Lower Upper

112 100

64 69.5 61.5 92.3

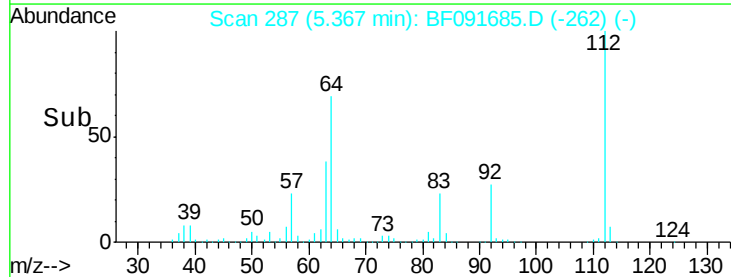
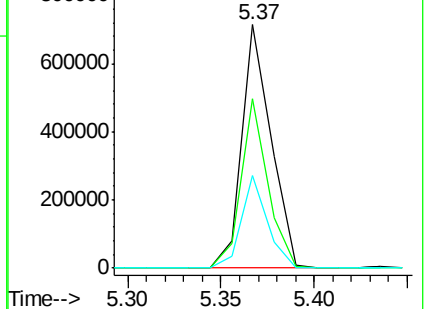
63 37.8 33.3 49.9

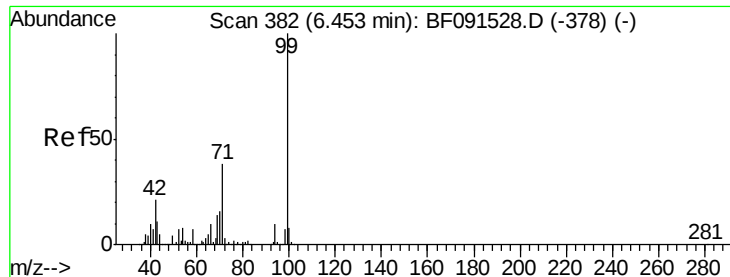


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.74 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

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ClientSampleId :

SB-46(10-12)-12-14-16

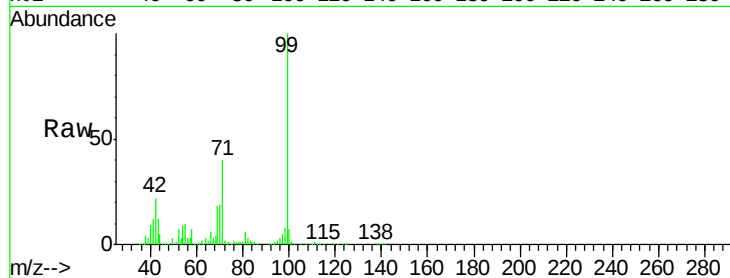
Tgt Ion: 99 Resp: 1049184

Ion Ratio Lower Upper

99 100

42 22.3 20.6 31.0

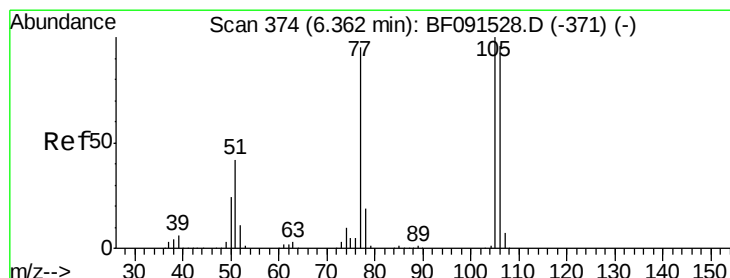
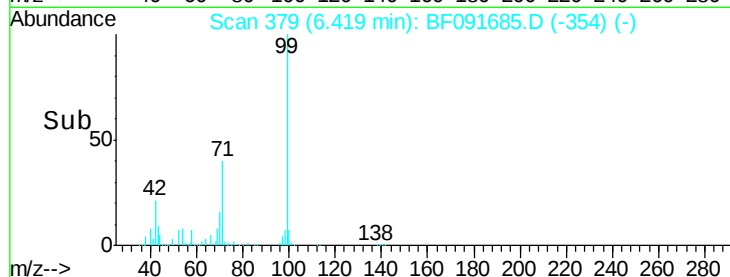
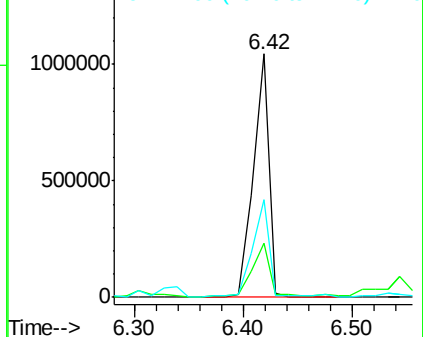
71 40.3 29.9 44.9



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: 2.65 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

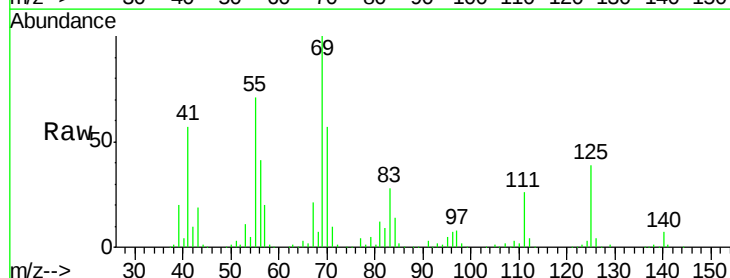
Tgt Ion: 77 Resp: 17261

Ion Ratio Lower Upper

77 100

105 14.4 66.4 106.4#

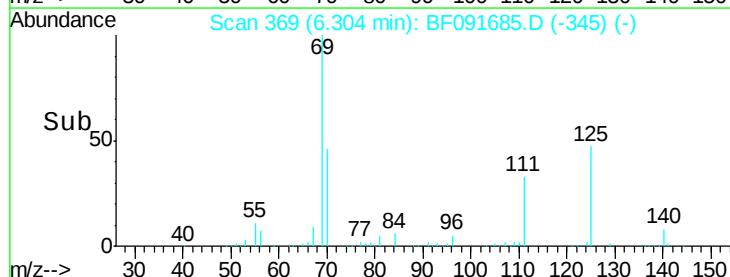
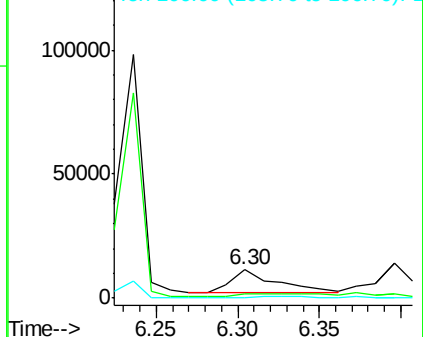
106 2.7 60.9 100.9#

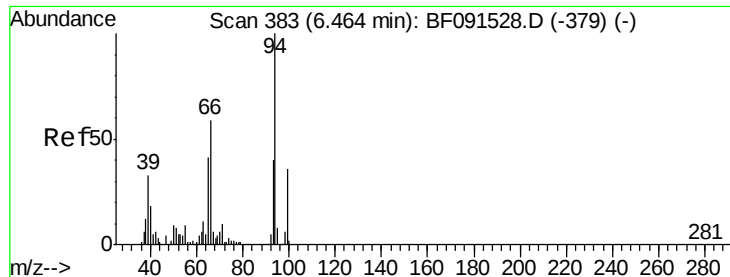


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.23 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

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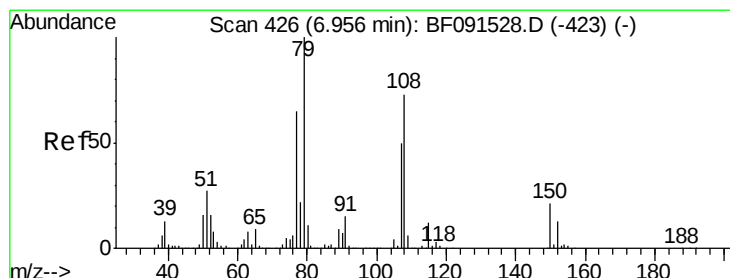
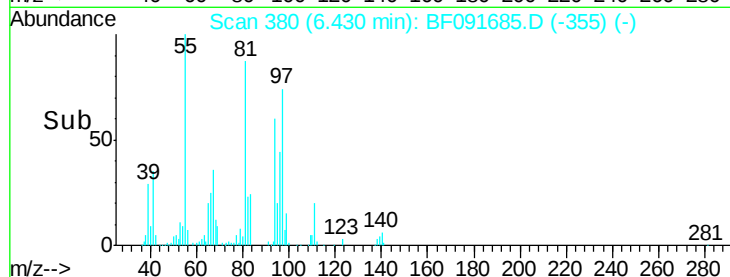
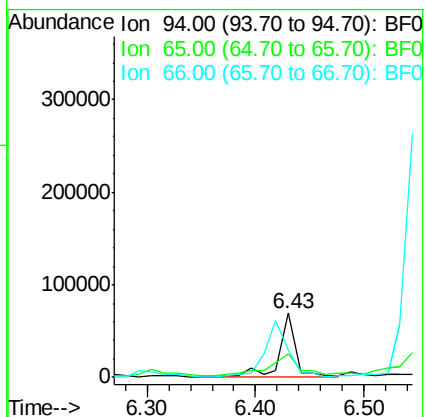
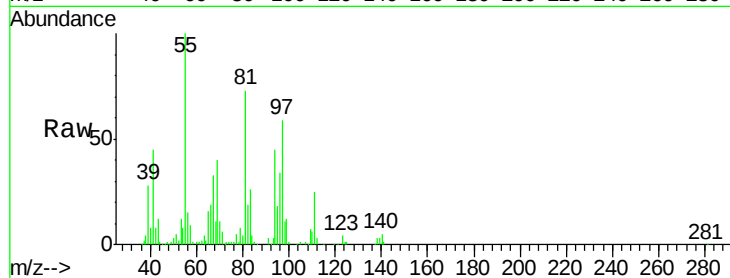
Tgt Ion: 94 Resp: 68958

Ion Ratio Lower Upper

94 100

65 36.3 16.9 56.9

66 42.9 30.6 70.6



#15

Benzyl Alcohol

Concen: 5.89 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

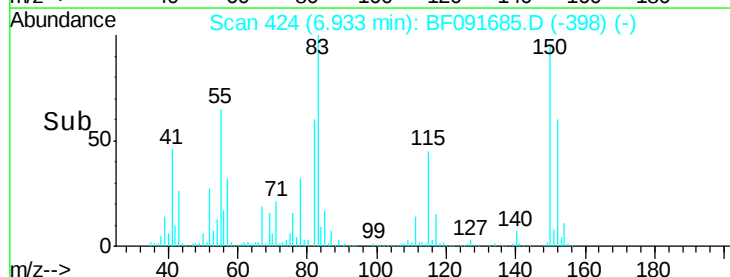
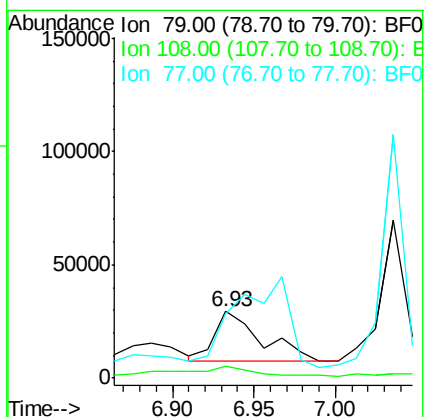
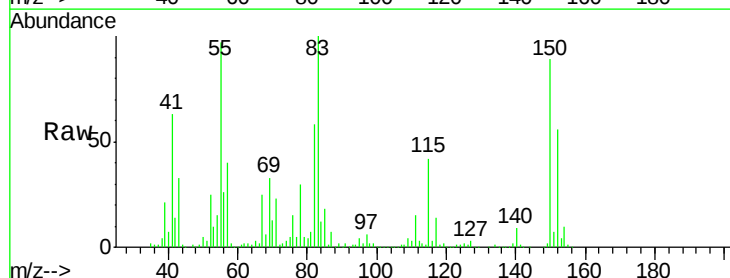
Tgt Ion: 79 Resp: 44067

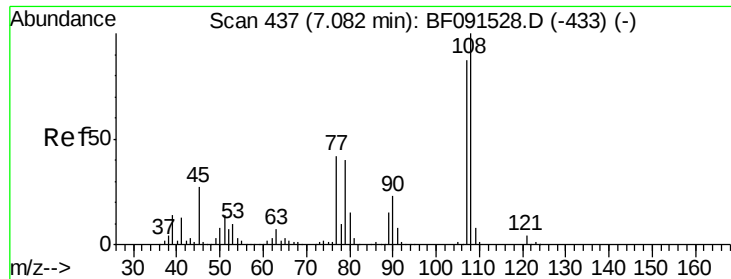
Ion Ratio Lower Upper

79 100

108 17.5 62.7 94.1#

77 96.4 51.7 77.5#

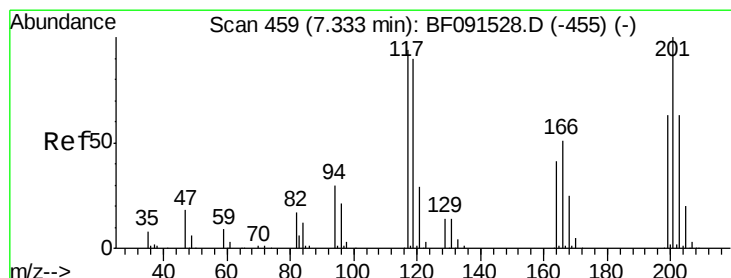
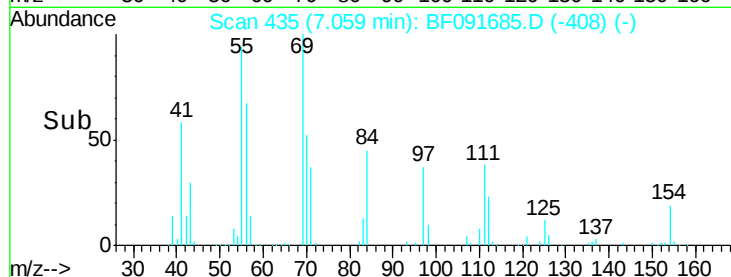
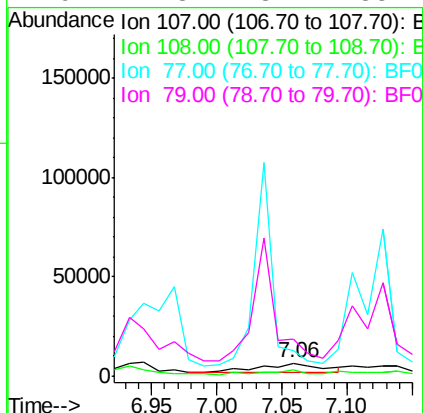
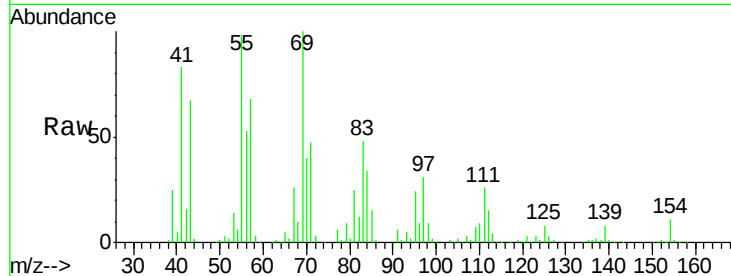




#17
2-Methylphenol
Concen: 2.08 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.01 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

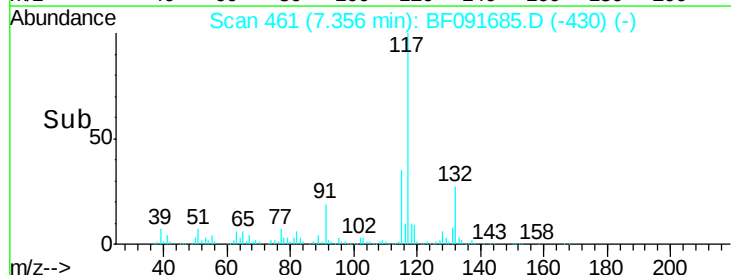
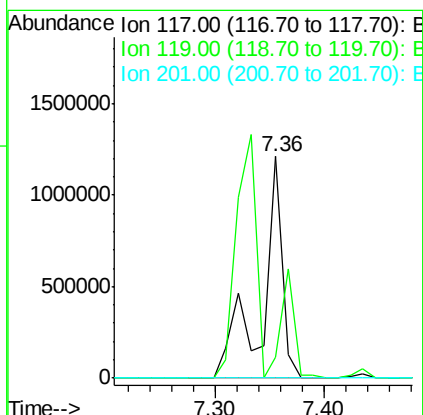
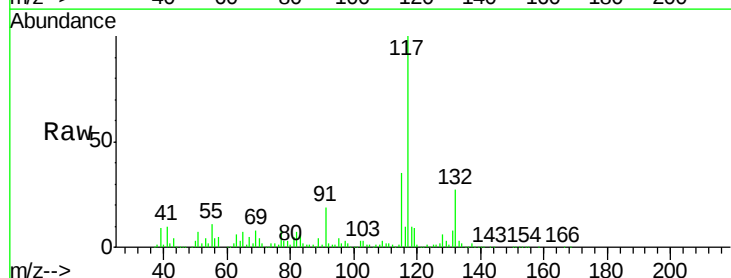
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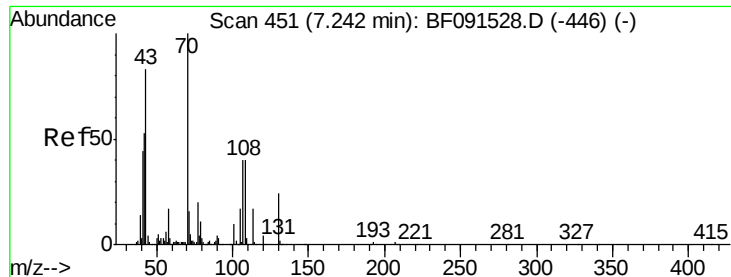
Tgt Ion:107 Resp: 14769
Ion Ratio Lower Upper
107 100
108 45.3 67.7 101.5#
77 189.8 40.7 61.1#
79 277.3 23.4 35.2#



#18
Hexachloroethane
Concen: 441.36 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.06 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion:117 Resp: 1580440
Ion Ratio Lower Upper
117 100
119 9.2 78.6 118.0#
201 0.0 86.7 130.1#

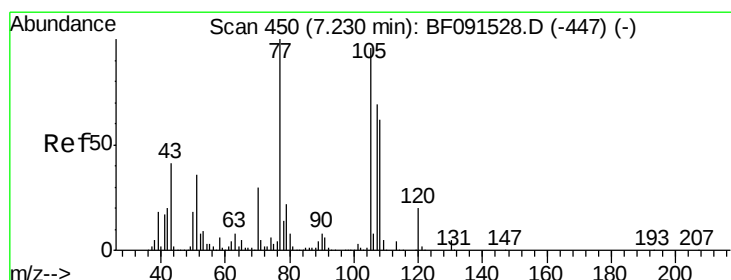
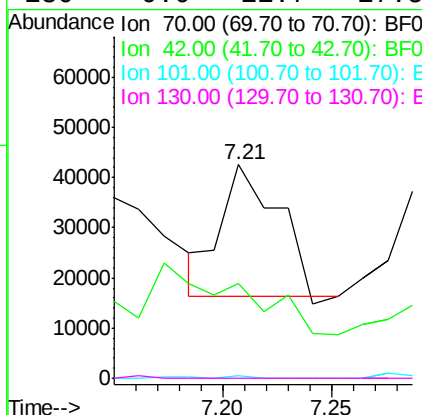
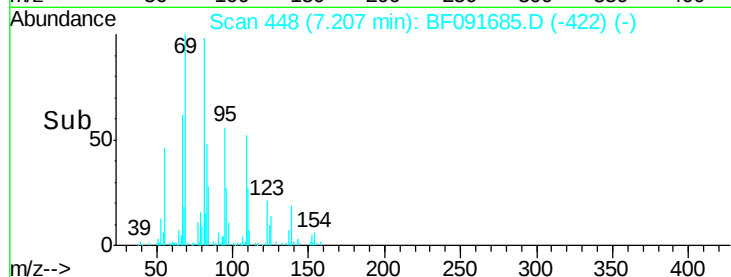
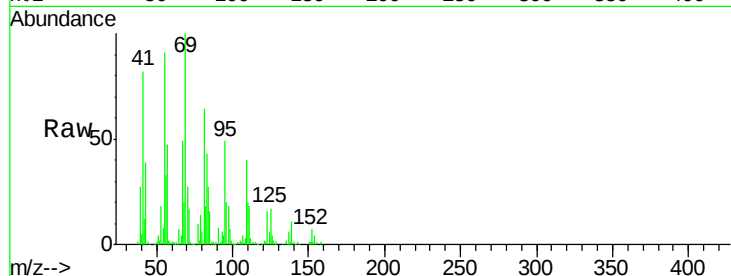




#19
n-Nitroso-di-n-propylamine
Concen: 8.08 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

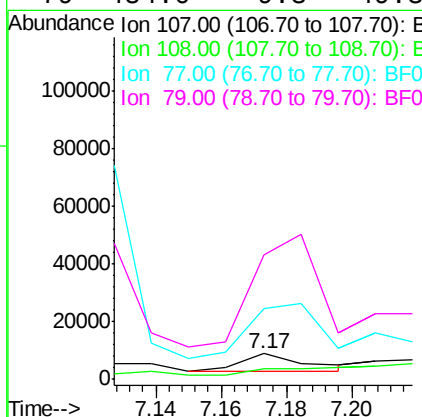
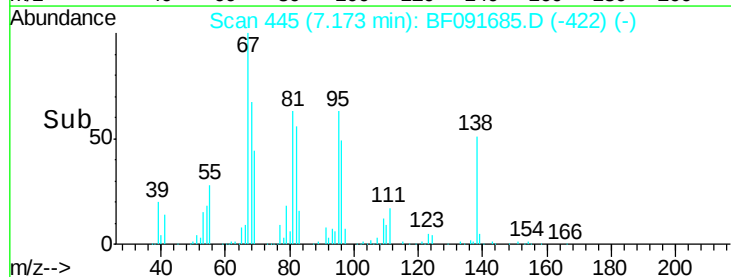
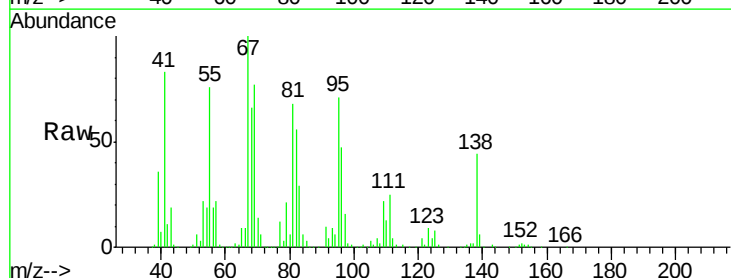
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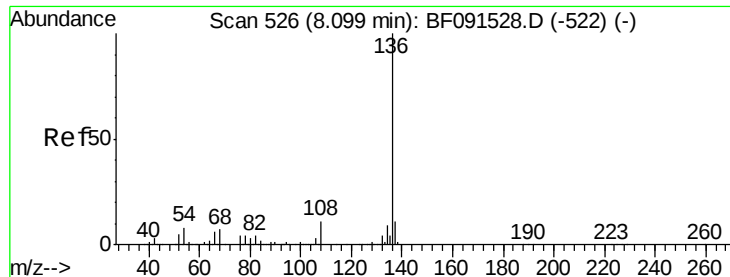
Tgt Ion: 70 Resp: 47867
Ion Ratio Lower Upper
70 100
42 44.3 64.8 97.2#
101 1.2 6.2 9.4#
130 0.0 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.17 min Scan# 445
Delta R.T. -0.03 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion: 107 Resp: 8206
Ion Ratio Lower Upper
107 100
108 40.0 64.6 104.6#
77 276.1 30.9 70.9#
79 484.0 9.3 49.3#

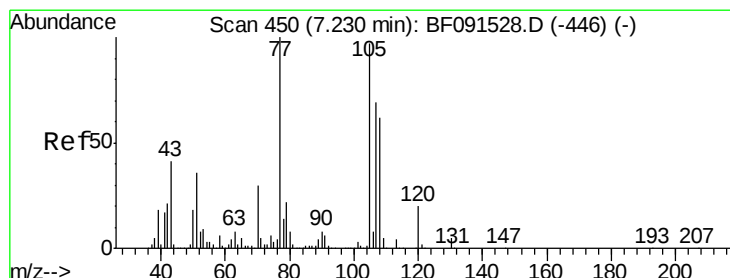
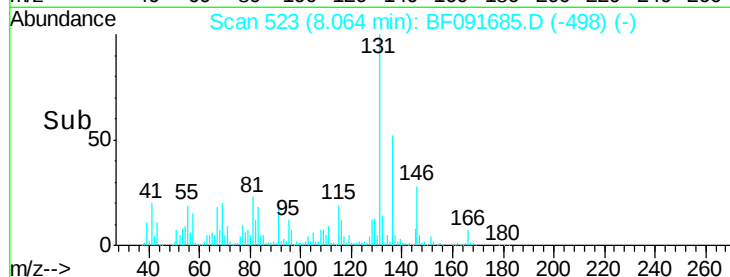
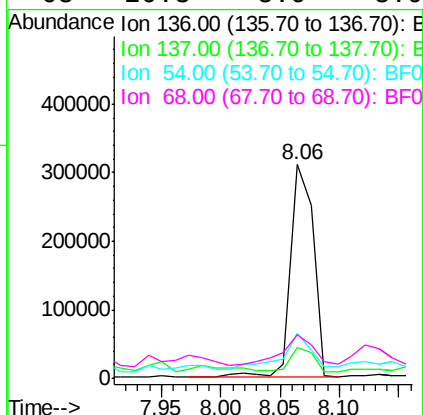
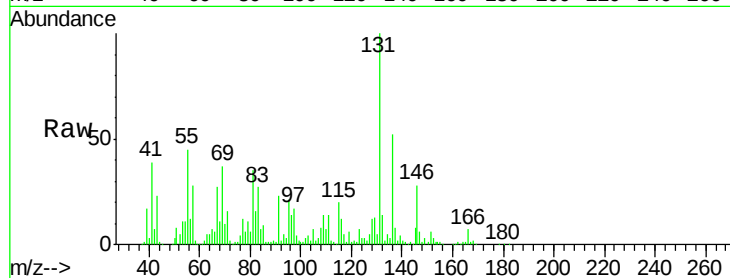




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

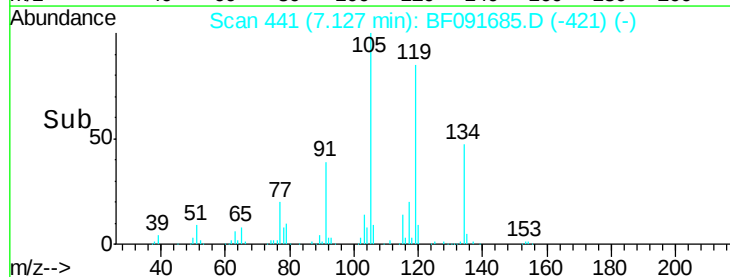
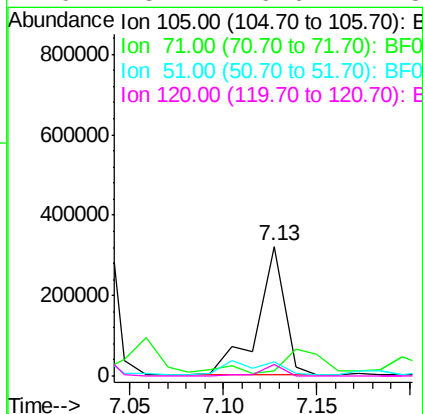
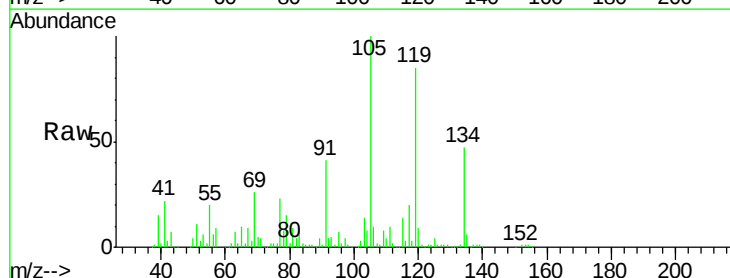
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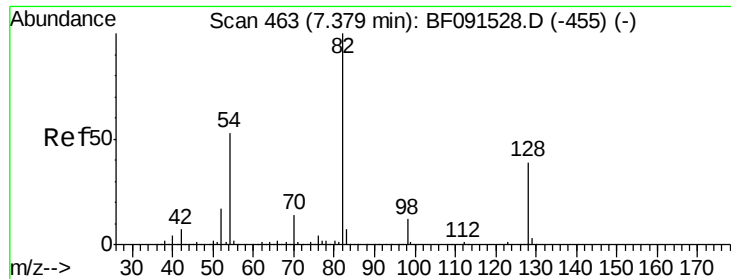
Tgt Ion:	136	Resp:	410697
Ion	Ratio	Lower	Upper
136	100		
137	14.6	9.1	13.7#
54	21.3	9.1	13.7#
68	20.3	5.9	8.9#



#22
Acetophenone
Concen: 33.19 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.07 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion:	105	Resp:	326552
Ion	Ratio	Lower	Upper
105	100		
71	3.6	7.9	11.9#
51	10.5	24.5	36.7#
120	8.7	16.6	24.8#

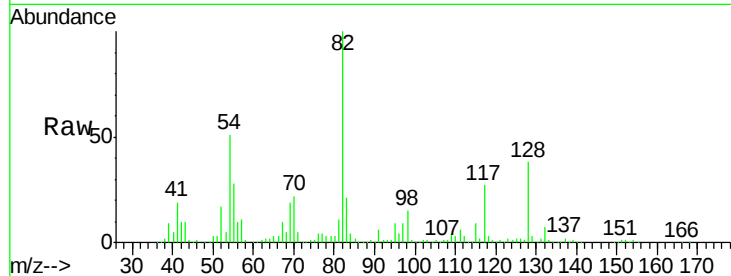




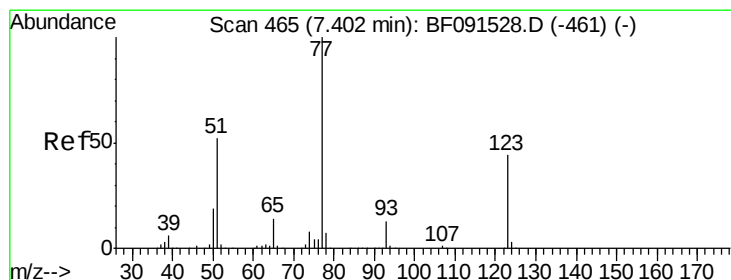
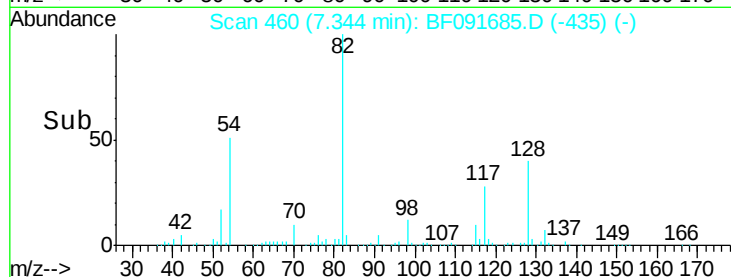
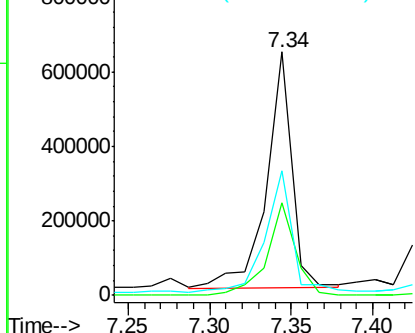
#23
 Nitrobenzene-d5
 Concen: 94.30 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-46(10-12)-12-14-16

Tgt Ion: 82 Resp: 693941
 Ion Ratio Lower Upper
 82 100
 128 38.3 31.8 47.6
 54 51.2 49.1 73.7

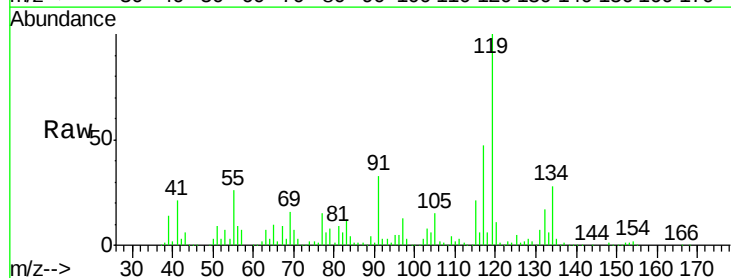


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

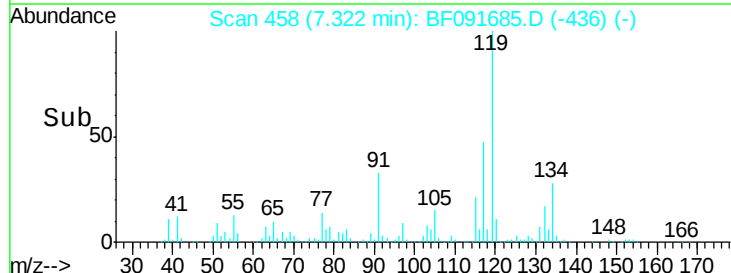
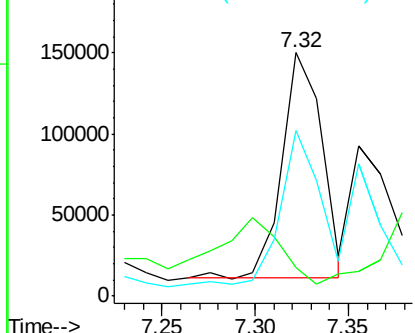


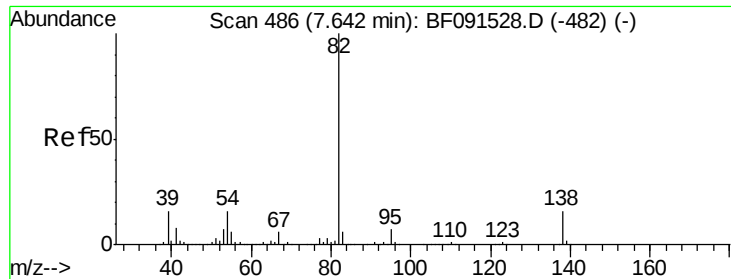
#24
 Nitrobenzene
 Concen: 26.60 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Tgt Ion: 77 Resp: 206800
 Ion Ratio Lower Upper
 77 100
 123 11.5 28.5 42.7#
 65 67.9 12.5 18.7#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 15.46 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

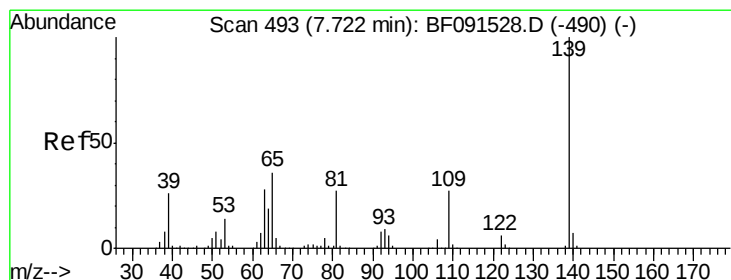
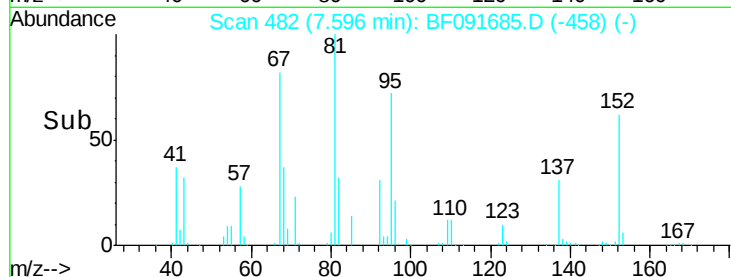
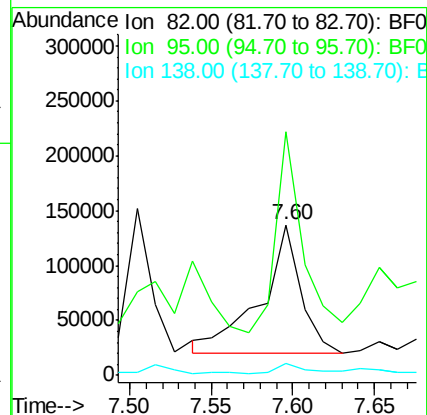
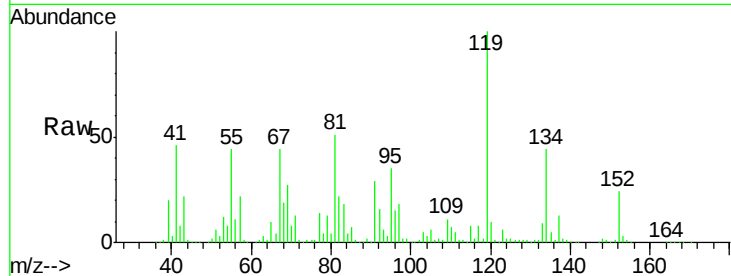
Tgt Ion: 82 Resp: 202219

Ion Ratio Lower Upper

82 100

95 161.9 5.7 8.5#

138 7.9 13.4 20.0#



#26

2-Nitrophenol

Concen: 5.51 ng

RT: 7.70 min Scan# 491

Delta R.T. 0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

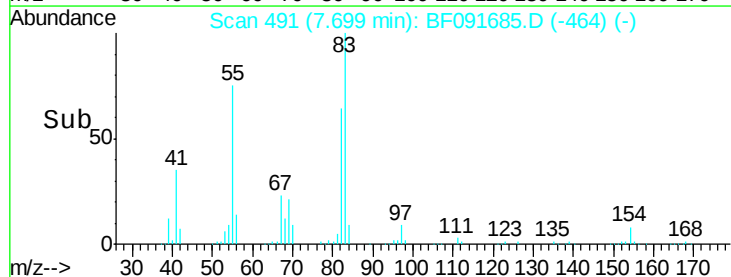
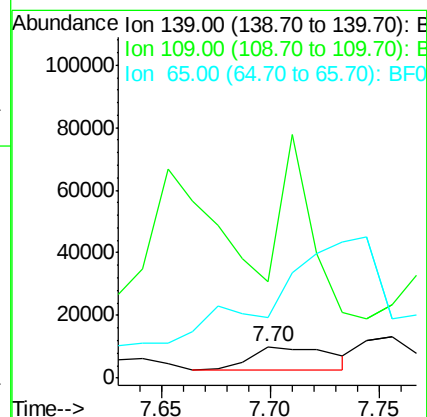
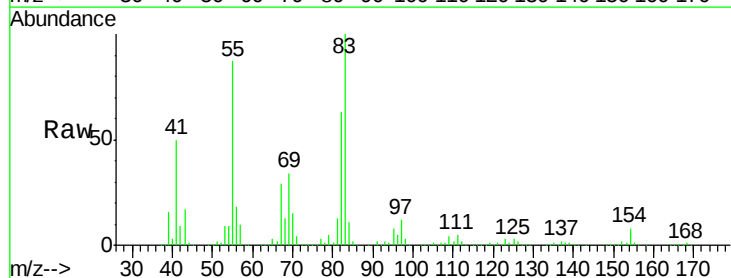
Tgt Ion: 139 Resp: 18897

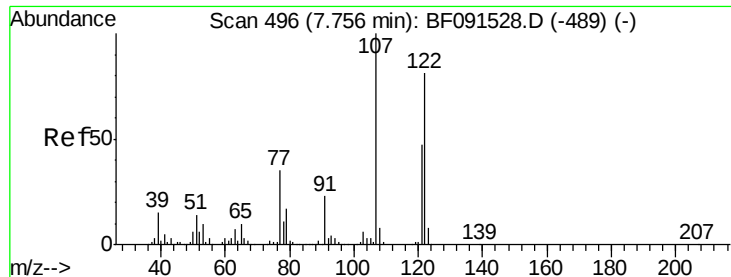
Ion Ratio Lower Upper

139 100

109 308.3 25.3 37.9#

65 196.4 55.4 83.2#





#27

2,4-Dimethylphenol

Concen: 3.63 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

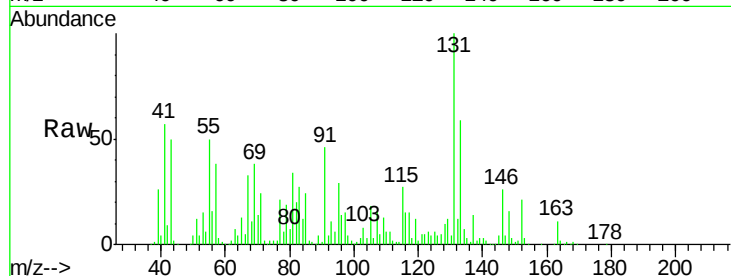
Tgt Ion:122 Resp: 21905

Ion Ratio Lower Upper

122 100

107 319.6 96.8 145.2#

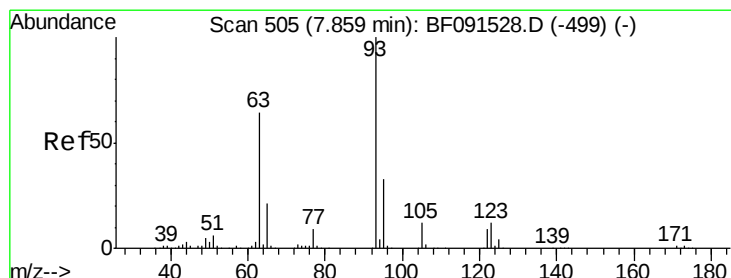
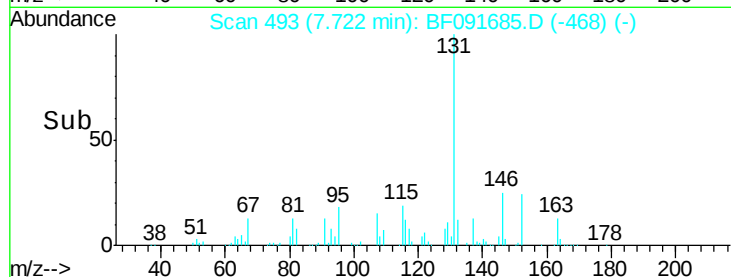
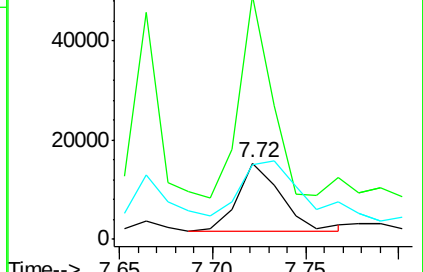
121 97.3 47.7 71.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.40 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

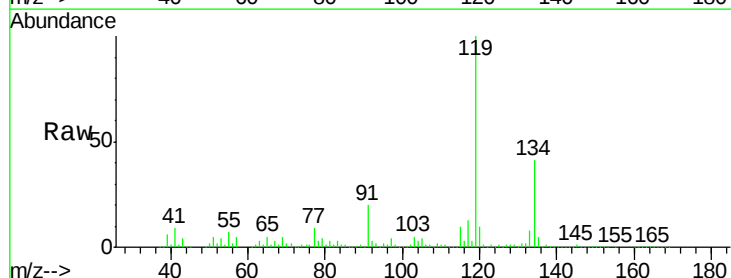
Tgt Ion: 93 Resp: 56816

Ion Ratio Lower Upper

93 100

95 100.2 26.0 39.0#

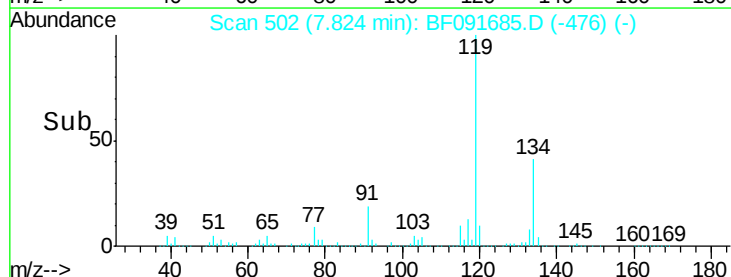
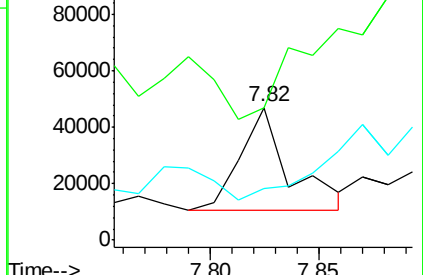
123 39.1 8.6 12.8#

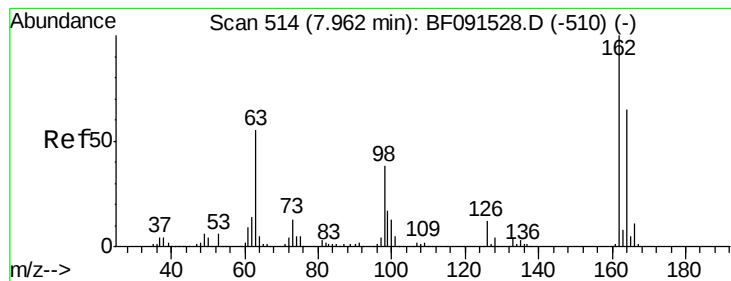


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 6.42 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

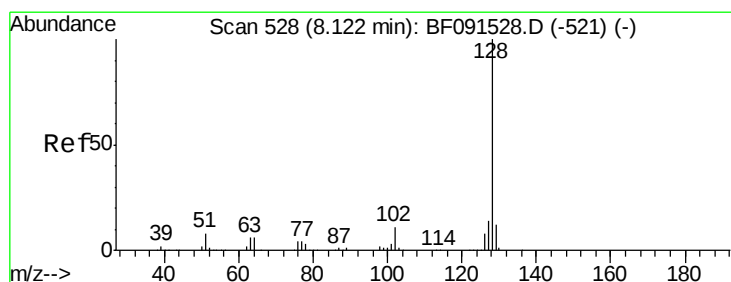
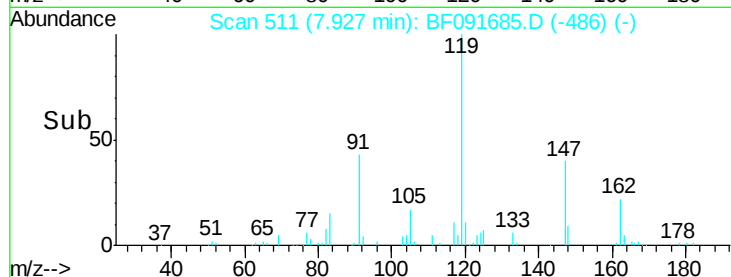
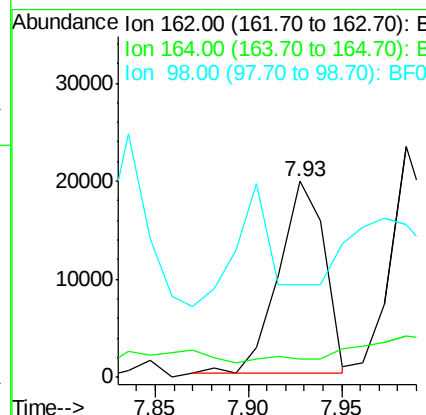
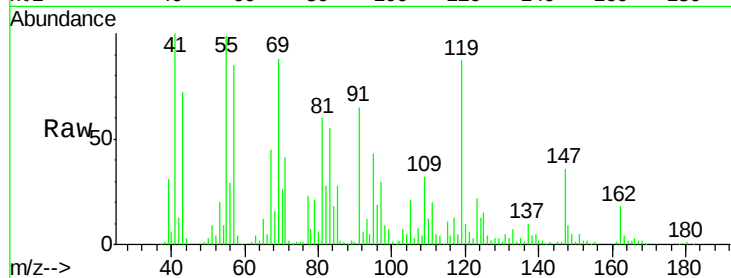
BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

Tgt Ion:162 Resp: 33652

Ion	Ratio	Lower	Upper
162	100		
164	9.3	45.0	85.0#
98	47.4	21.3	61.3



#31

Naphthalene

Concen: 5.04 ng

RT: 8.06 min Scan# 523

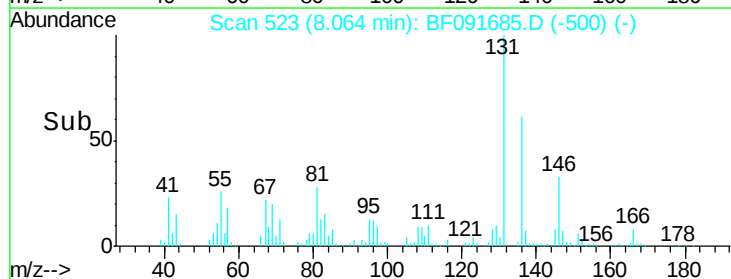
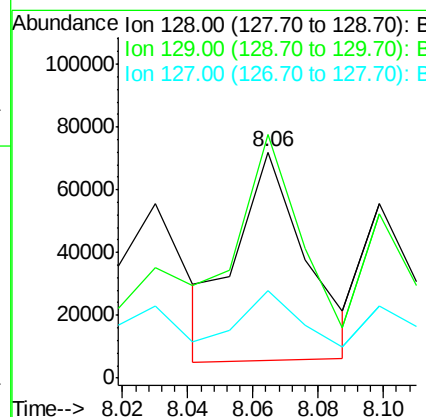
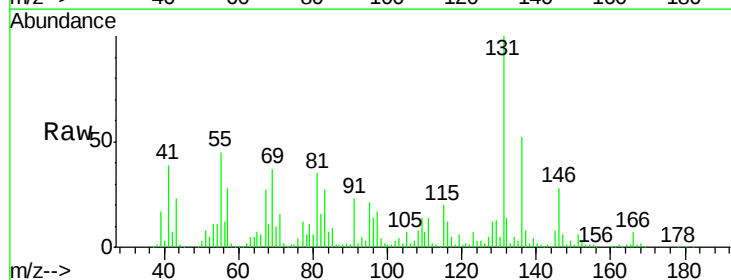
Delta R.T. -0.03 min

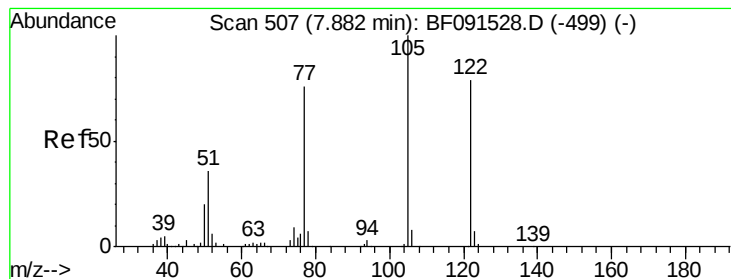
Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Tgt Ion:128 Resp: 96311

Ion	Ratio	Lower	Upper
128	100		
129	107.8	9.1	13.7#
127	38.7	11.0	16.4#





#32

Benzoic acid

Concen: 9.47 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

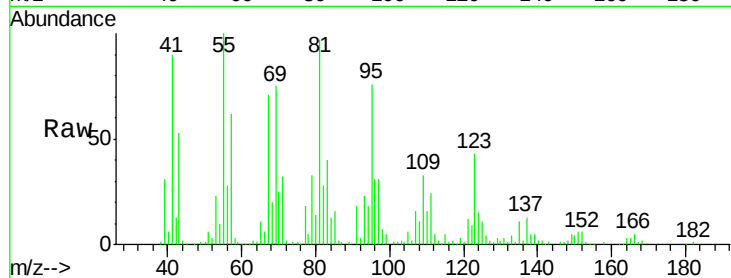
Tgt Ion:122 Resp: 22036

Ion Ratio Lower Upper

122 100

105 68.8 113.0 153.0#

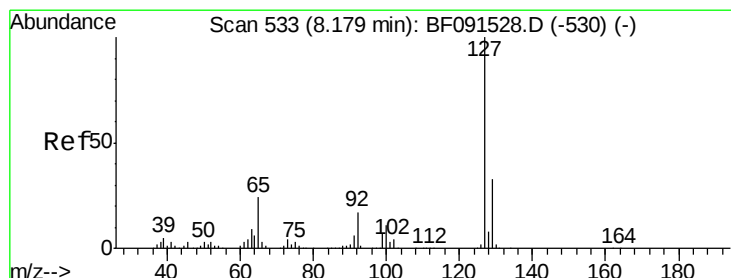
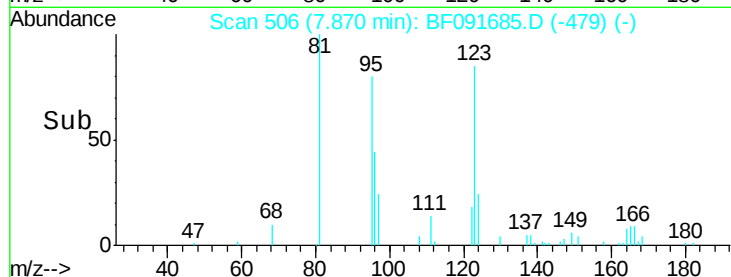
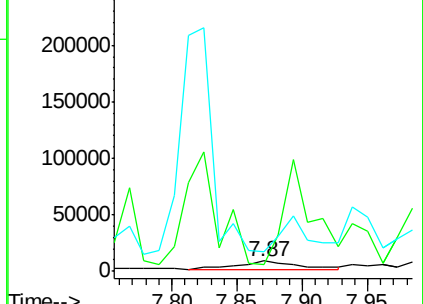
77 193.3 82.0 122.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 7.13 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Tgt Ion:127 Resp: 58685

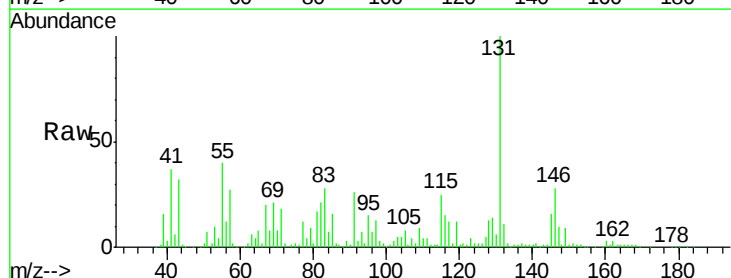
Ion Ratio Lower Upper

127 100

129 257.2 26.2 39.4#

65 146.0 26.6 39.8#

92 49.4 15.4 23.0#

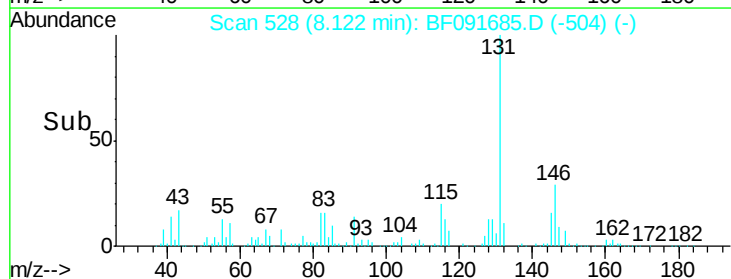
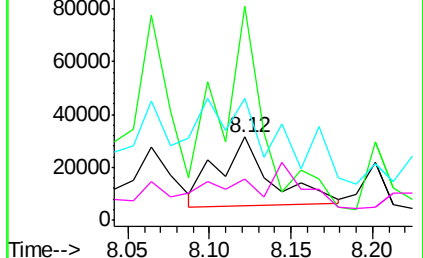


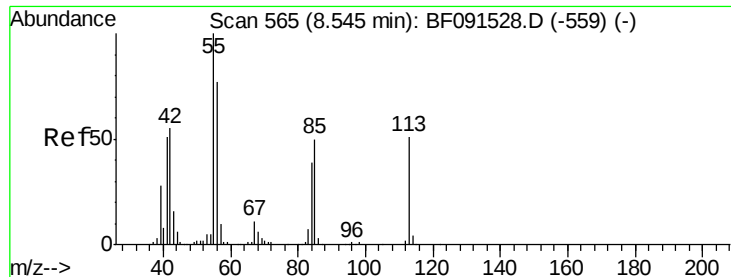
Abundance Ion 127.00 (126.70 to 127.70): E

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

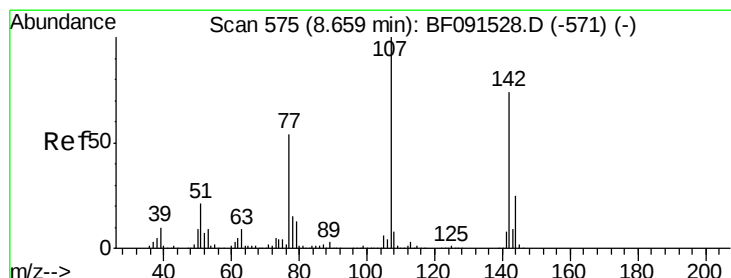
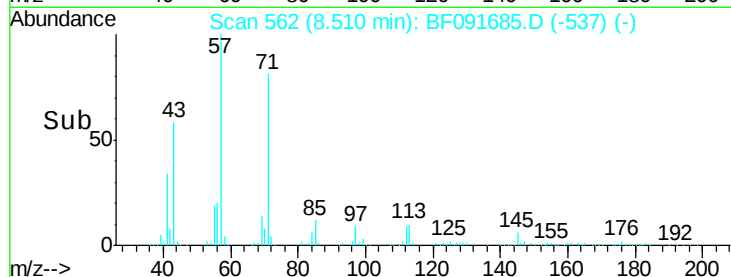
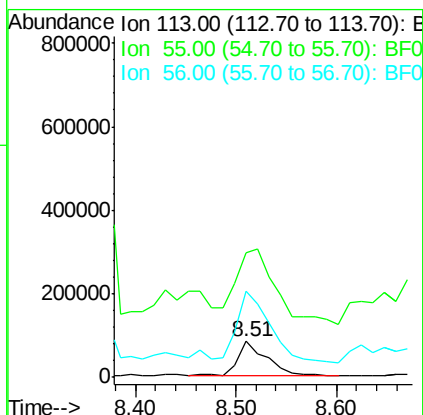
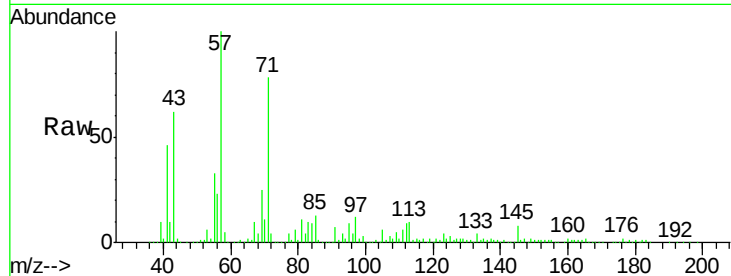




#35
 Caprolactam
 Concen: 110.82 ng
 RT: 8.51 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

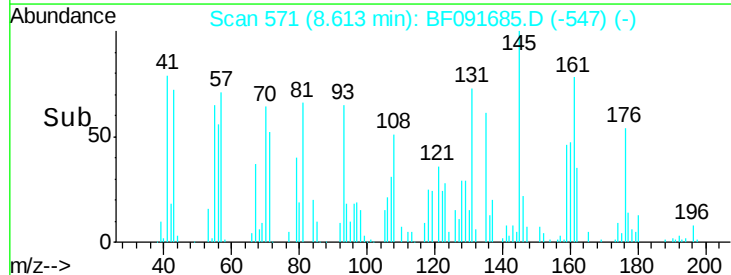
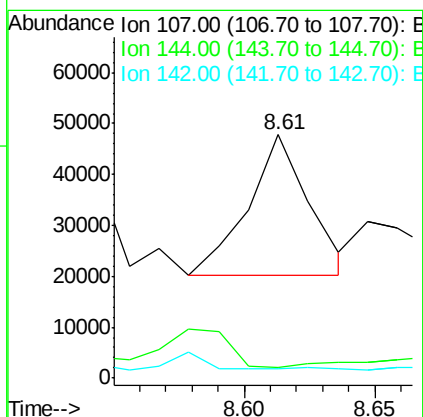
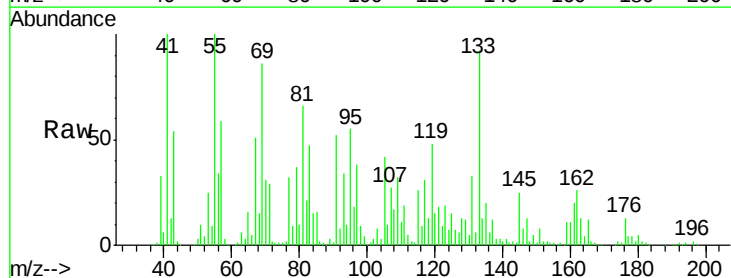
Instrument :
 BNA_F
 ClientSampleId :
 SB-46(10-12)-12-14-16

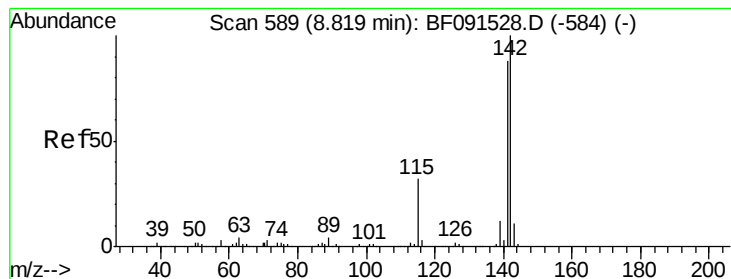
Tgt Ion:113 Resp: 169694
 Ion Ratio Lower Upper
 113 100
 55 349.9 239.8 279.8#
 56 239.4 165.6 205.6#



#36
 4-Chloro-3-methylphenol
 Concen: 7.63 ng
 RT: 8.61 min Scan# 571
 Delta R.T. -0.02 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Tgt Ion:107 Resp: 44873
 Ion Ratio Lower Upper
 107 100
 144 4.6 18.9 28.3#
 142 3.9 58.5 87.7#

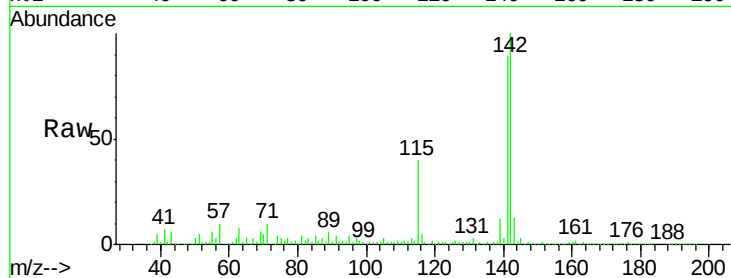




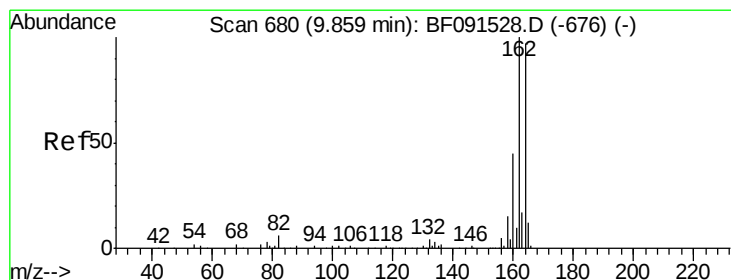
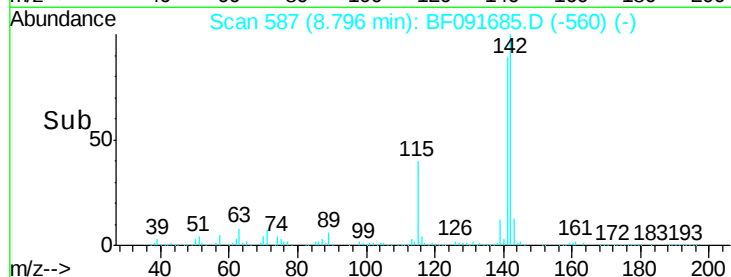
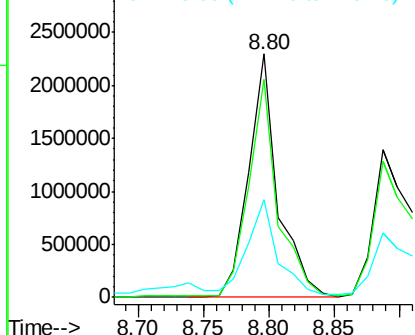
#37
 2-Methylnaphthalene
 Concen: 287.61 ng
 RT: 8.80 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-46(10-12)-12-14-16

Tgt Ion:142 Resp: 3557116
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.7 107.5
 115 40.2 25.0 37.6#

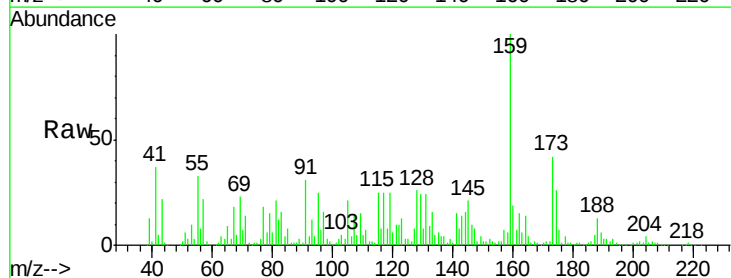


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

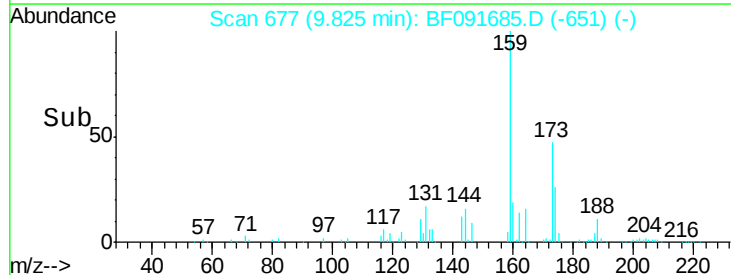
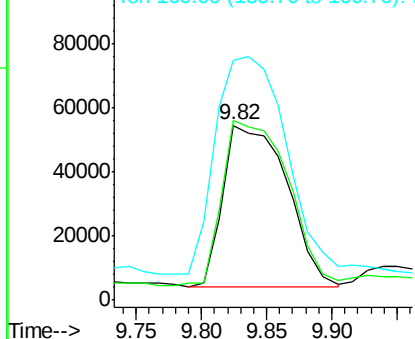


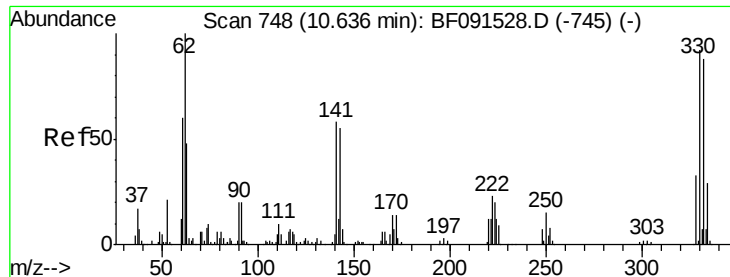
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Tgt Ion:164 Resp: 171900
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.6 124.0
 160 137.6 36.7 55.1#



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

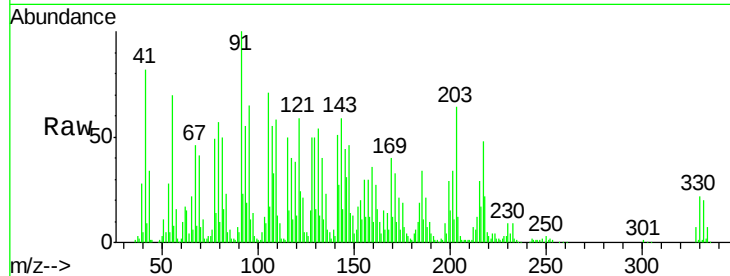




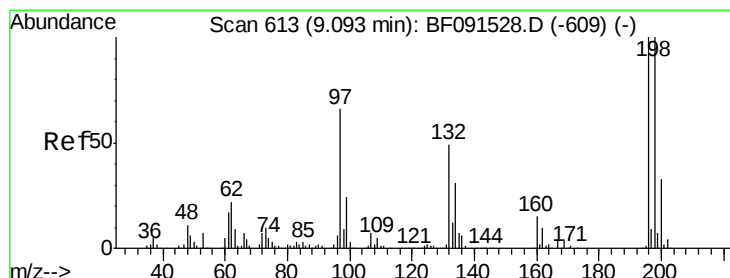
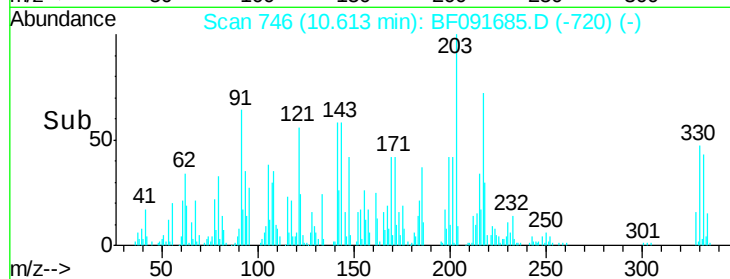
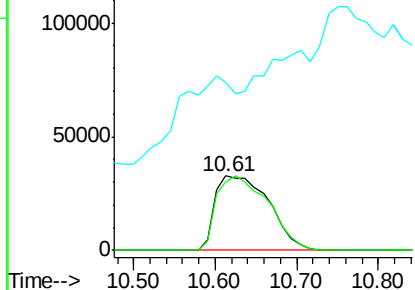
#41
 2,4,6-Tribromophenol
 Concen: 105.31 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-46(10-12)-12-14-16

Tgt Ion:330 Resp: 150358
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.2 114.4
 141 0.0 33.6 50.4#

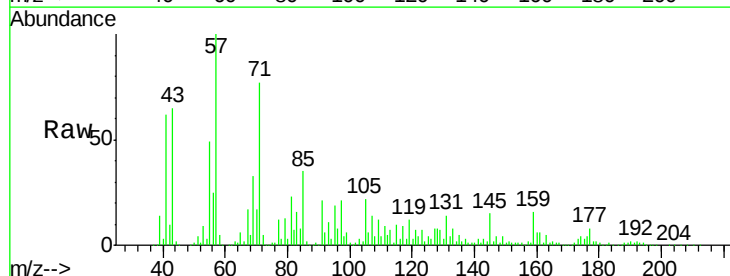


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

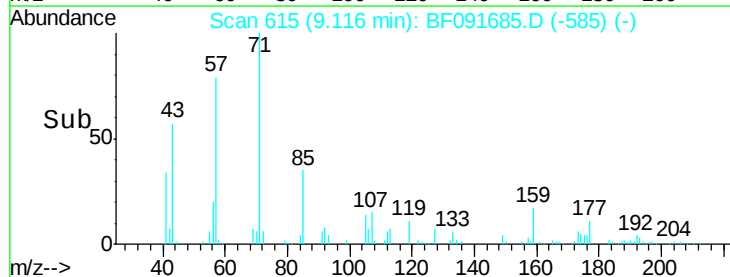
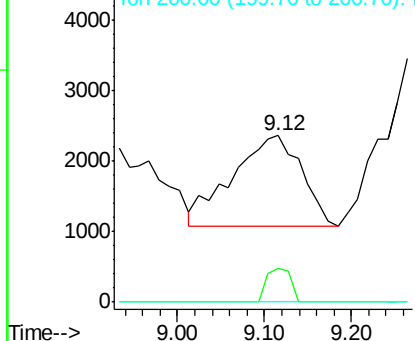


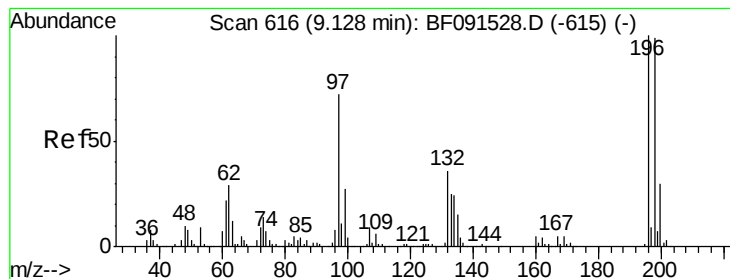
#42
 2,4,6-Trichlorophenol
 Concen: 2.33 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Tgt Ion:196 Resp: 7070
 Ion Ratio Lower Upper
 196 100
 198 19.8 77.4 116.0#
 200 0.0 25.2 37.8#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43

2,4,5-Trichlorophenol

Concen: 2.10 ng

RT: 9.12 min Scan# 615

Delta R.T. 0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

Tgt Ion:196 Resp: 6524

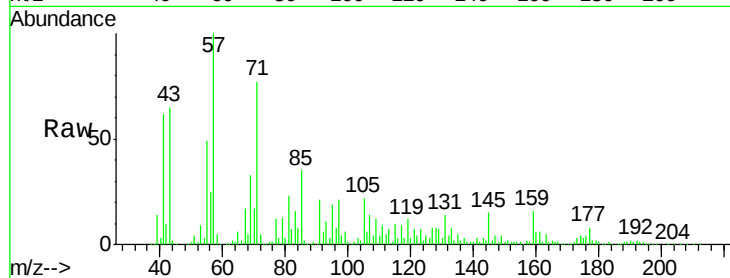
Ion Ratio Lower Upper

196 100

198 19.8 77.0 115.6#

97 4255.8 33.5 50.3#

132 810.2 20.5 30.7#

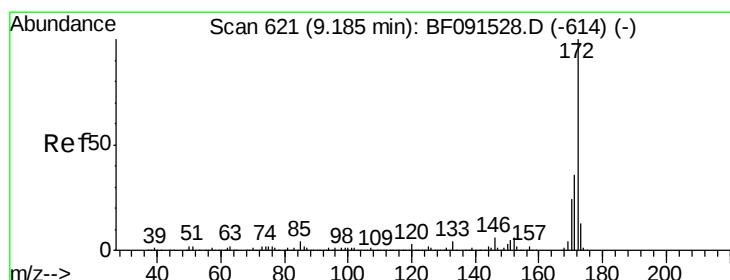
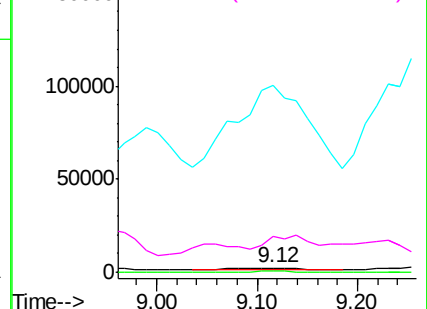
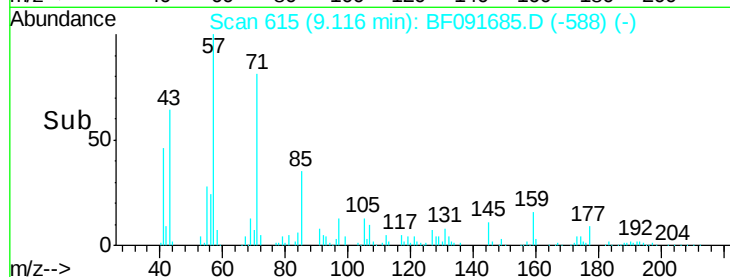


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 80.23 ng

RT: 9.16 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

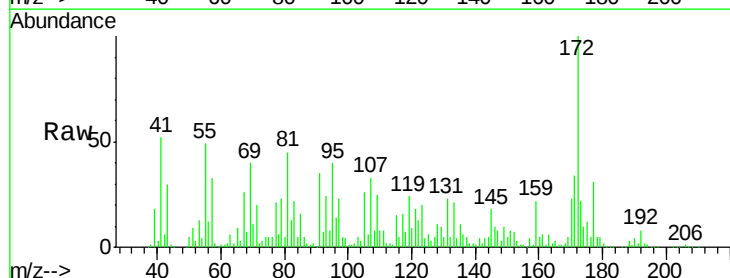
Tgt Ion:172 Resp: 798203

Ion Ratio Lower Upper

172 100

171 34.1 29.4 44.0

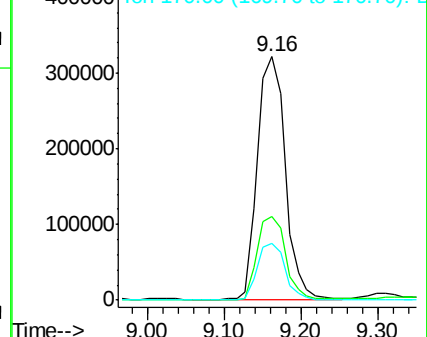
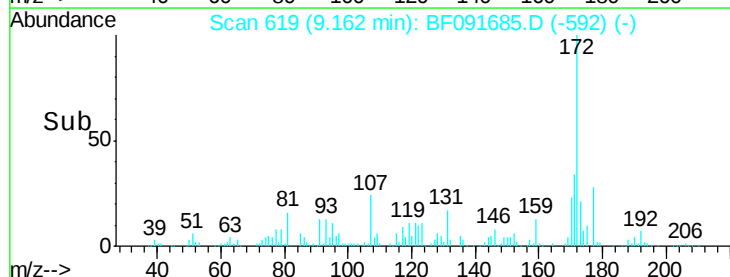
170 23.4 19.7 29.5

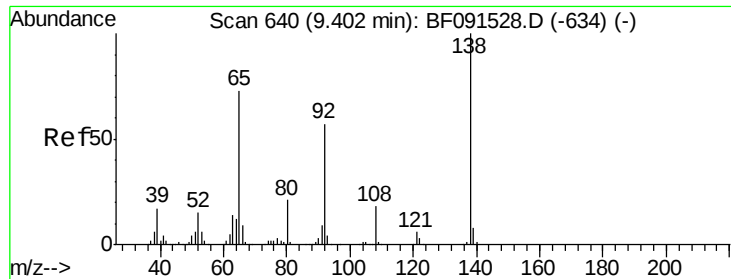


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

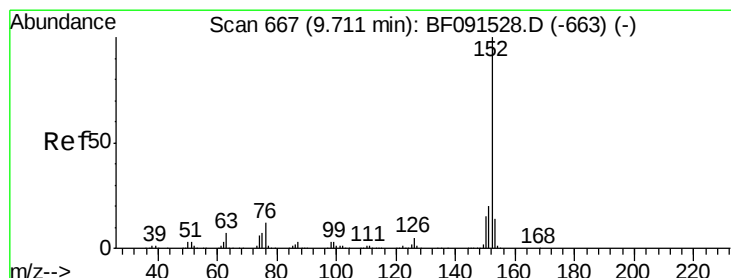
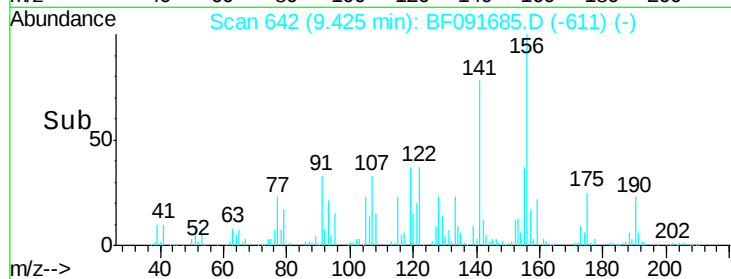
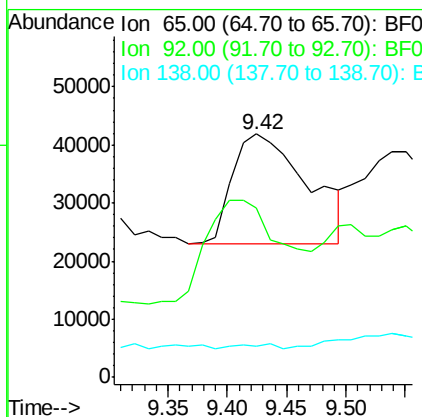
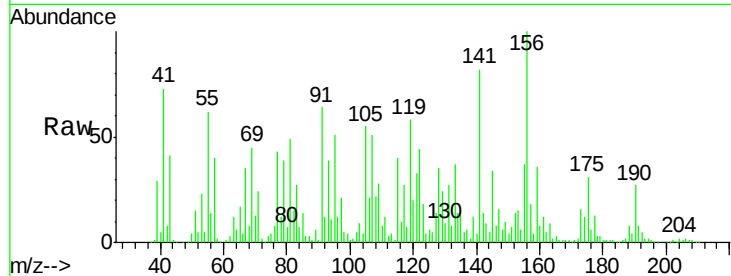




#47
2-Nitroaniline
Concen: 25.63 ng
RT: 9.42 min Scan# 642
Delta R.T. 0.06 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

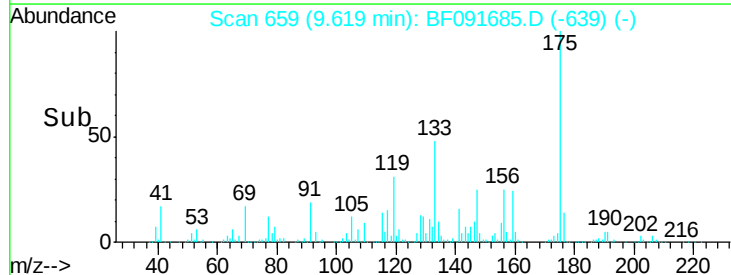
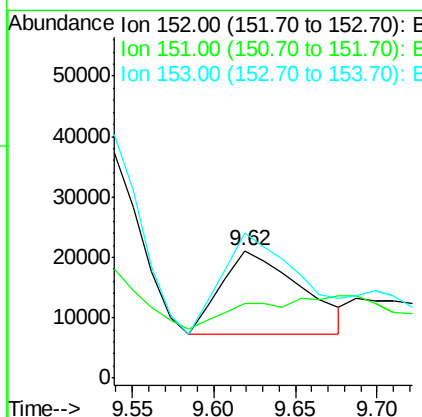
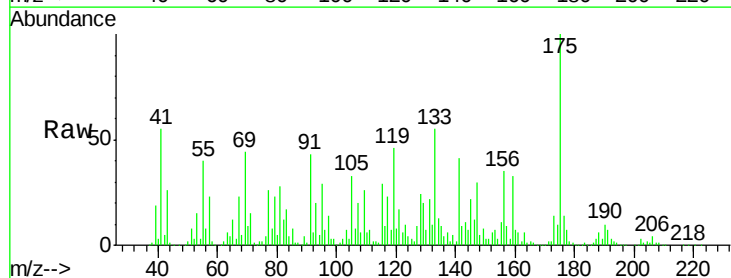
Instrument :
BNA_F
ClientSampleId :
SB-46(10-12)-12-14-16

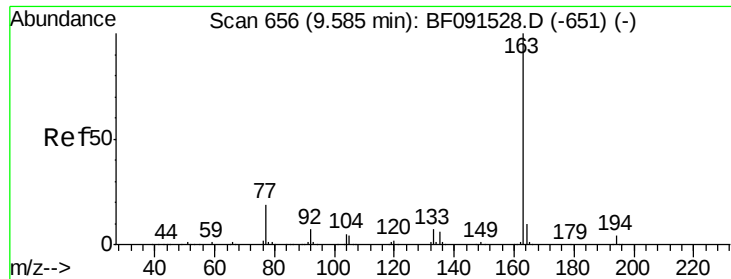
Tgt Ion: 65 Resp: 83099
Ion Ratio Lower Upper
65 100
92 69.7 53.6 80.4
138 13.1 91.0 136.6#



#48
Acenaphthylene
Concen: 3.15 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.07 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion: 152 Resp: 46294
Ion Ratio Lower Upper
152 100
151 58.3 16.6 24.8#
153 113.7 10.7 16.1#

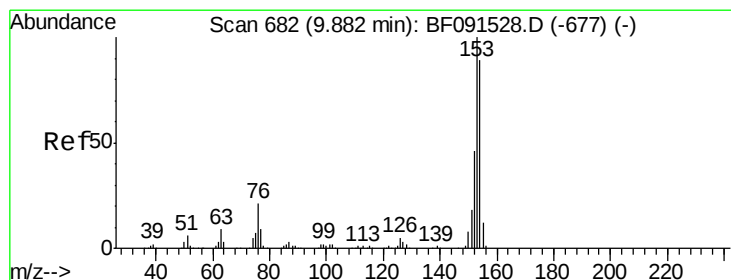
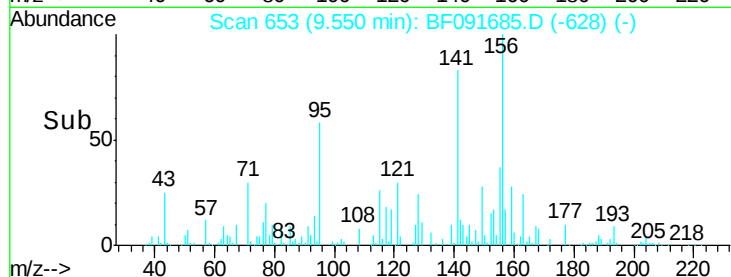
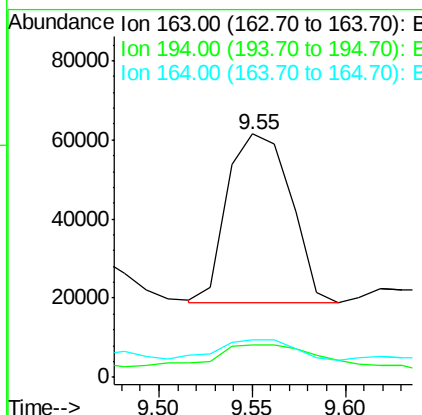
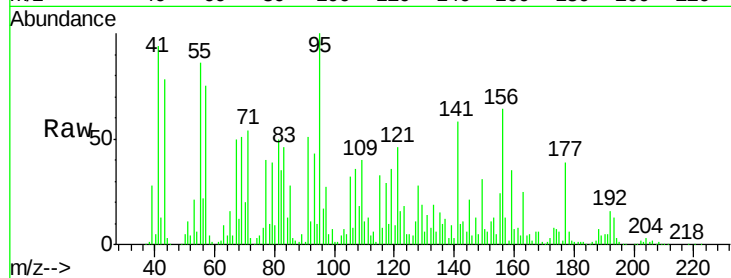




#49
Dimethylphthalate
Concen: 9.32 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

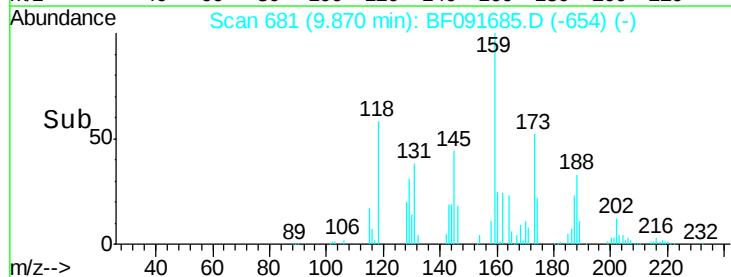
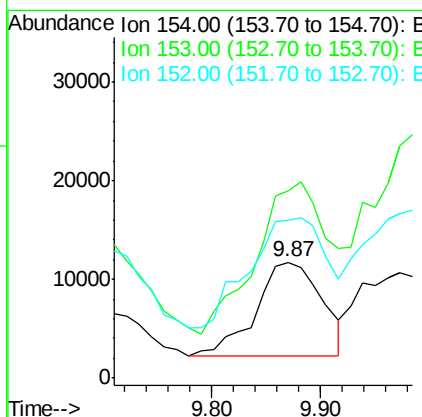
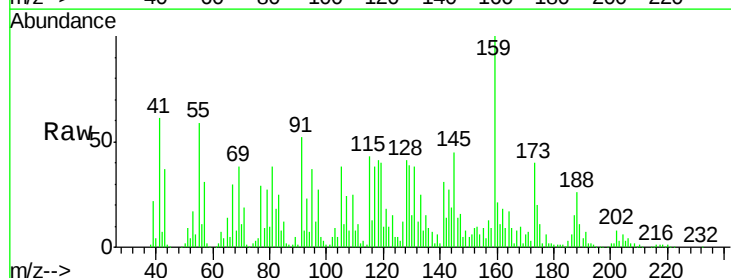
Instrument :
BNA_F
ClientSampleId :
SB-46(10-12)-12-14-16

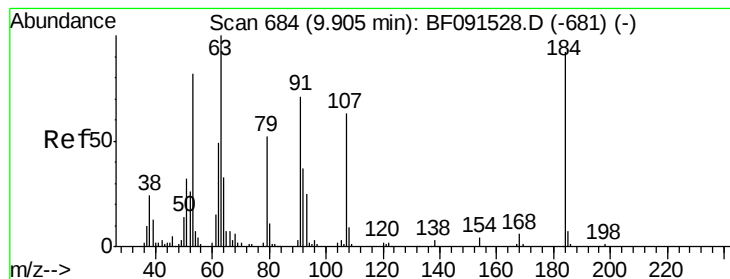
Tgt Ion:163 Resp: 101471
Ion Ratio Lower Upper
163 100
194 13.3 3.0 4.4#
164 15.6 7.8 11.8#



#51
Acenaphthene
Concen: 3.89 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.01 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion:154 Resp: 39747
Ion Ratio Lower Upper
154 100
153 161.9 91.0 136.6#
152 136.1 44.2 66.2#





#53

2,4-Dinitrophenol

Concen: 3.55 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

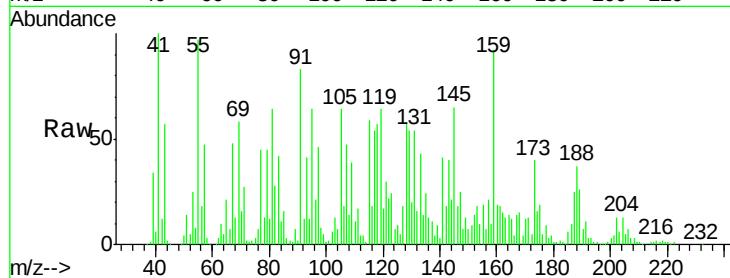
Tgt Ion:184 Resp: 1336

Ion Ratio Lower Upper

184 100

63 2102.9 58.3 87.5#

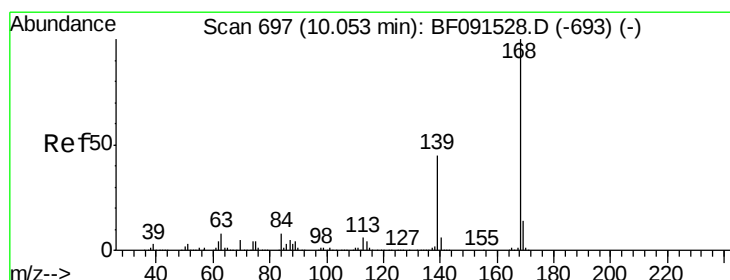
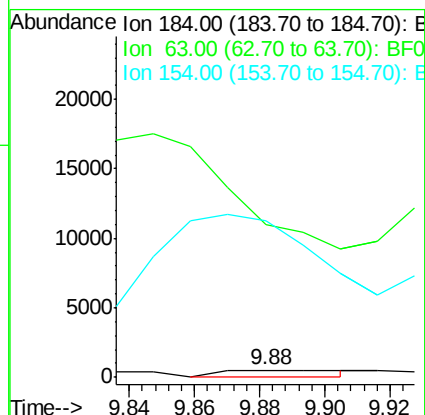
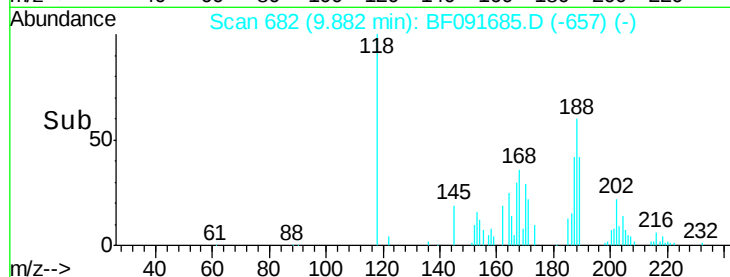
154 2150.9 48.6 73.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 6.55 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

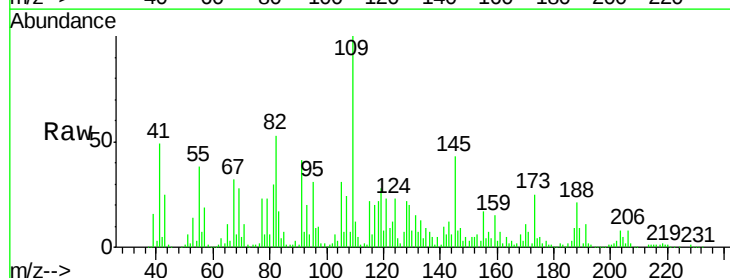
Tgt Ion:168 Resp: 82747

Ion Ratio Lower Upper

168 100

139 80.9 33.4 50.2#

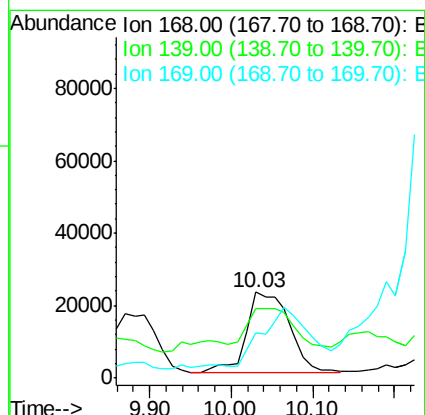
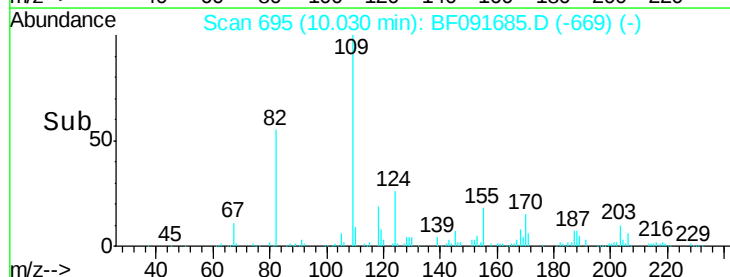
169 52.3 11.1 16.7#

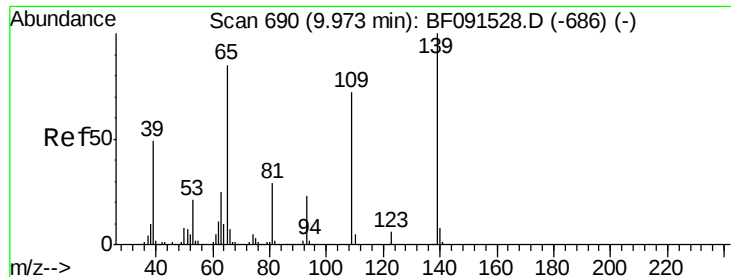


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

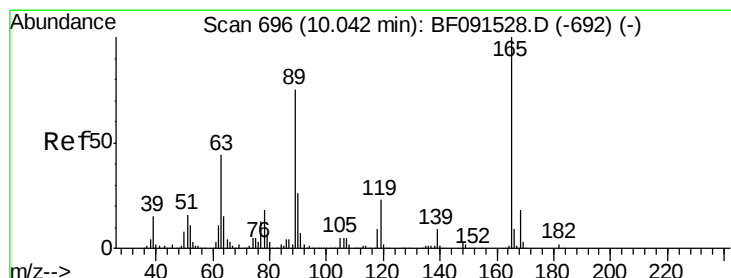
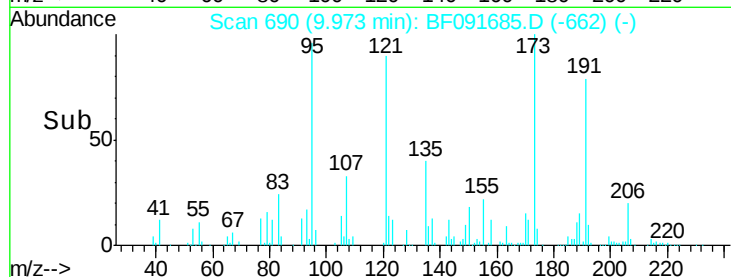
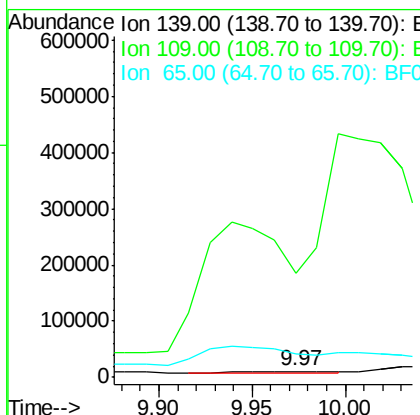
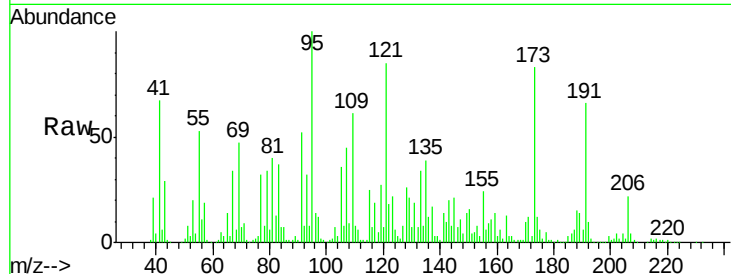




#55
4-Nitrophenol
Concen: 5.67 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.02 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

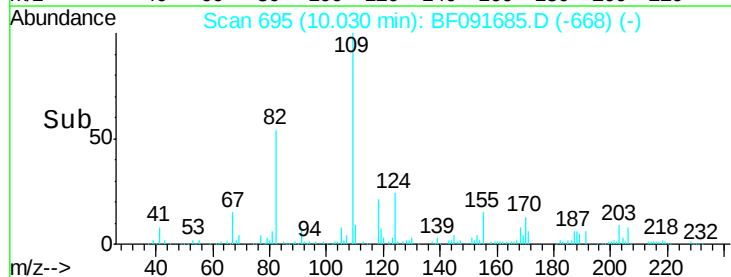
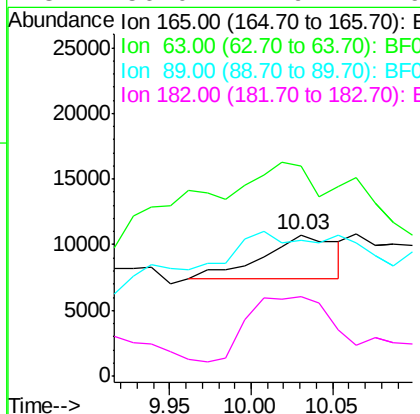
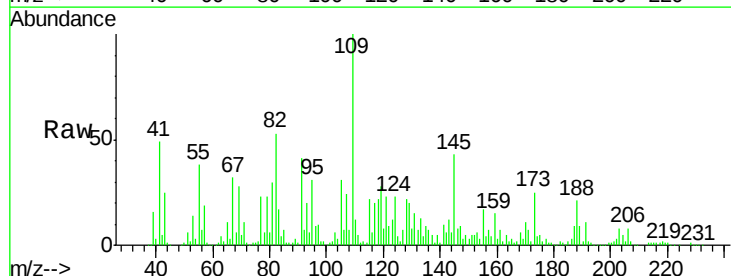
Instrument :
BNA_F
ClientSampleId :
SB-46(10-12)-12-14-16

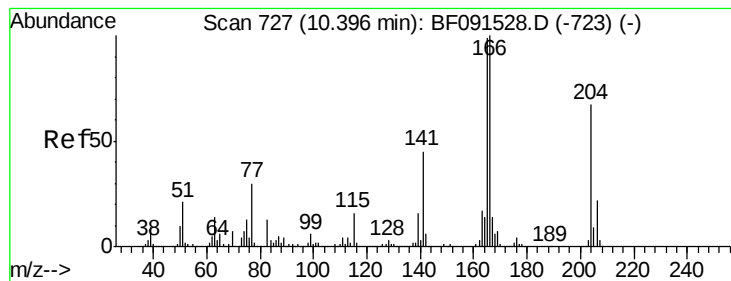
Tgt Ion:139 Resp: 11830
Ion Ratio Lower Upper
139 100
109 1782.4 54.9 94.9#
65 403.4 102.2 142.2#



#56
2,4-Dinitrotoluene
Concen: 3.53 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.01 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion:165 Resp: 10557
Ion Ratio Lower Upper
165 100
63 148.2 29.0 43.4#
89 95.9 43.1 64.7#
182 56.0 1.9 2.9#





#57

Fluorene

Concen: 4.31 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.02 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

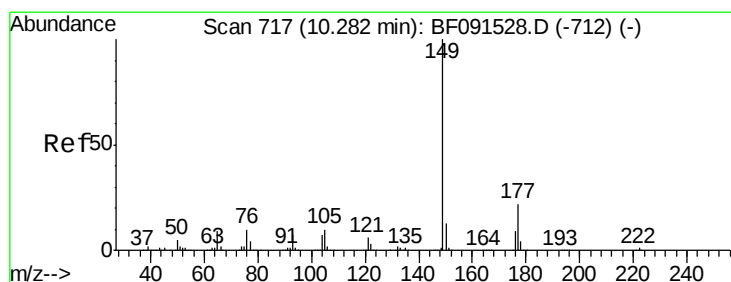
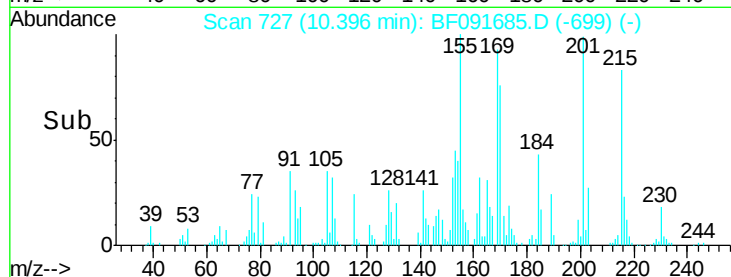
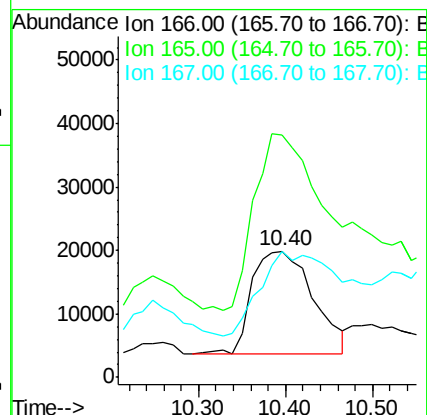
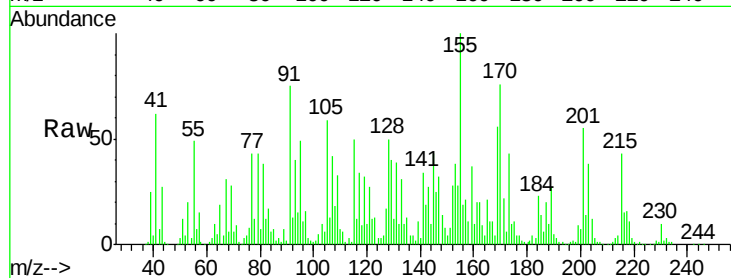
Tgt Ion:166 Resp: 79510

Ion Ratio Lower Upper

166 100

165 192.0 80.0 120.0#

167 100.1 10.8 16.2#



#59

Diethylphthalate

Concen: 6.41 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.03 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

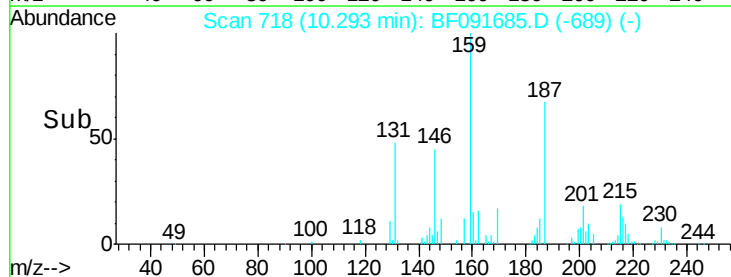
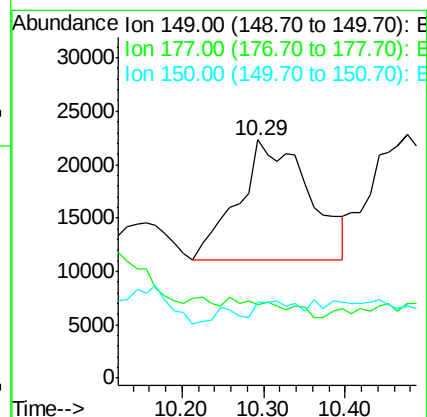
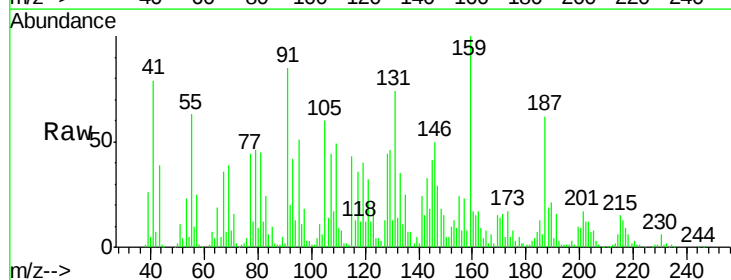
Tgt Ion:149 Resp: 67225

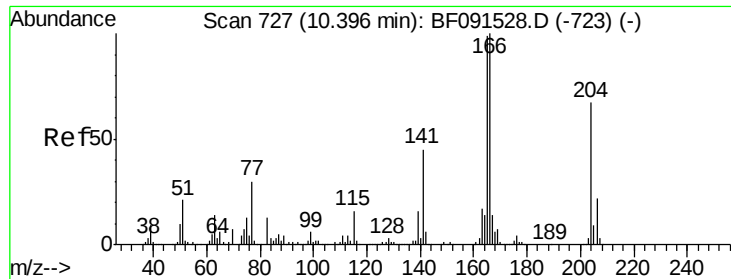
Ion Ratio Lower Upper

149 100

177 30.6 15.7 23.5#

150 31.8 10.2 15.2#





#60

4-Chlorophenyl-phenylether

Concen: 17.82 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.02 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

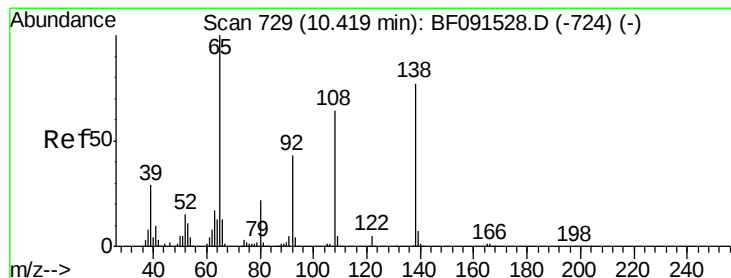
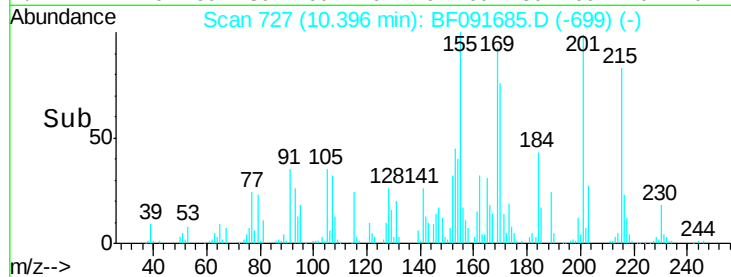
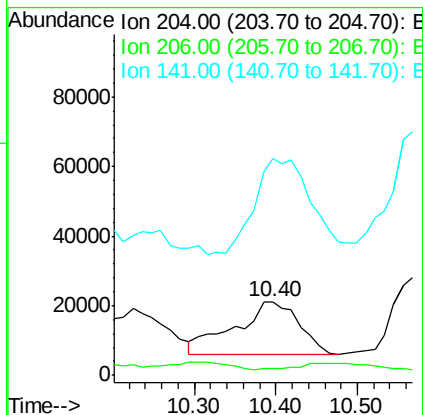
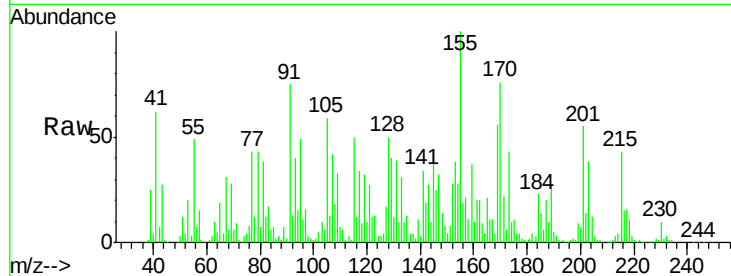
Tgt Ion:204 Resp: 80945

Ion Ratio Lower Upper

204 100

206 8.7 26.1 39.1#

141 296.2 40.6 61.0#



#61

4-Nitroaniline

Concen: 3.87 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

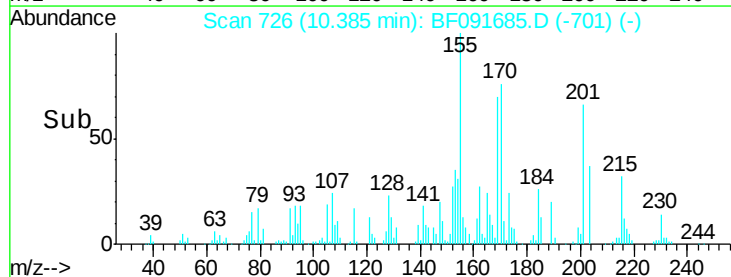
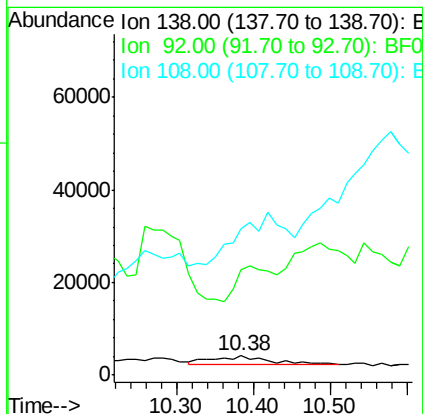
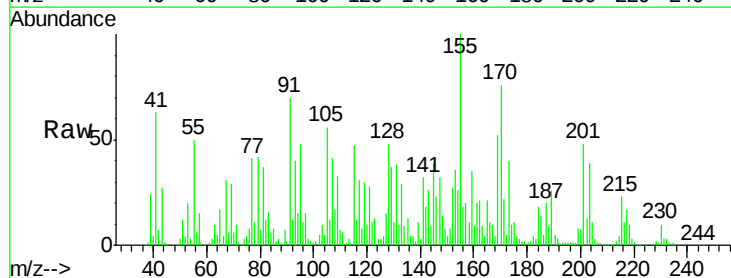
Tgt Ion:138 Resp: 10799

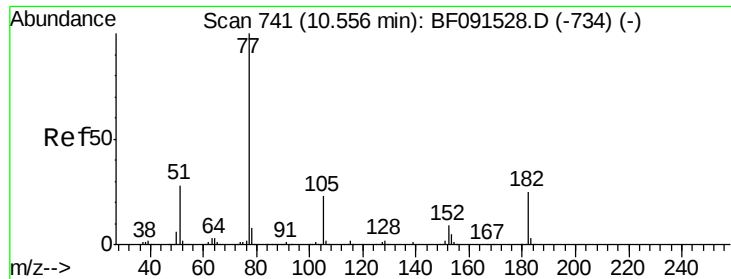
Ion Ratio Lower Upper

138 100

92 544.4 26.9 66.9#

108 754.8 49.1 89.1#

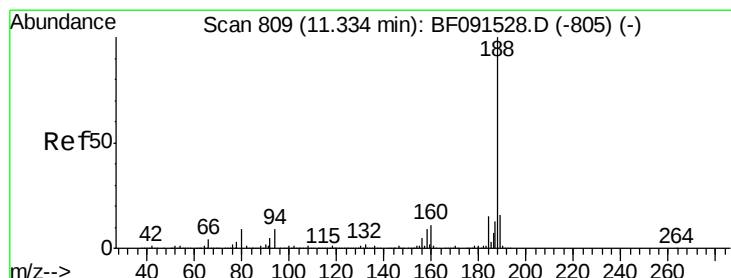
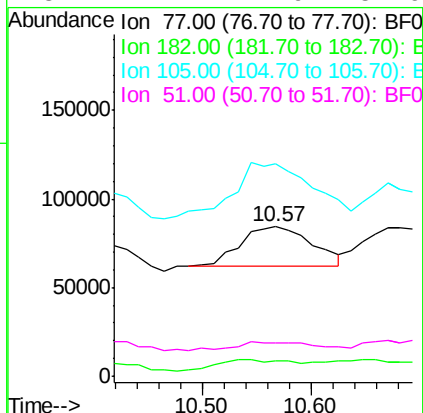
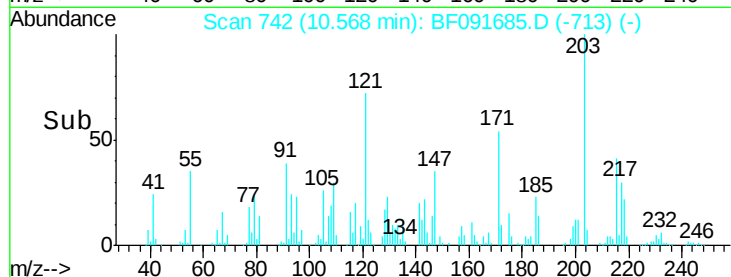
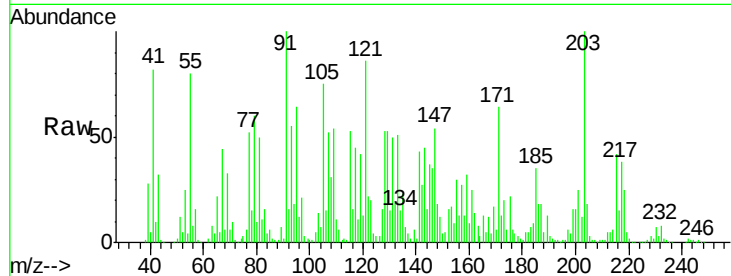




#62
Azobenzene
Concen: 8.81 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.03 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

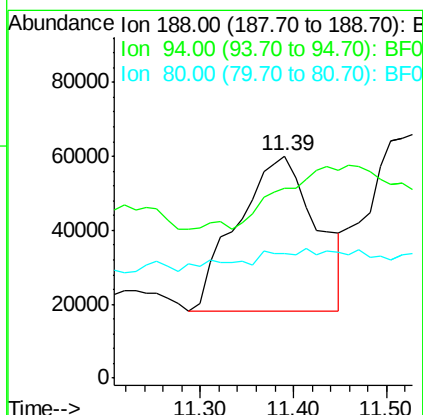
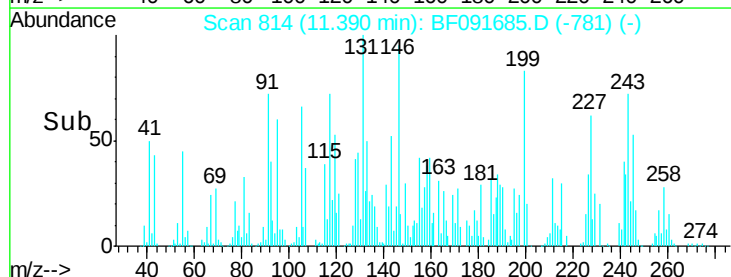
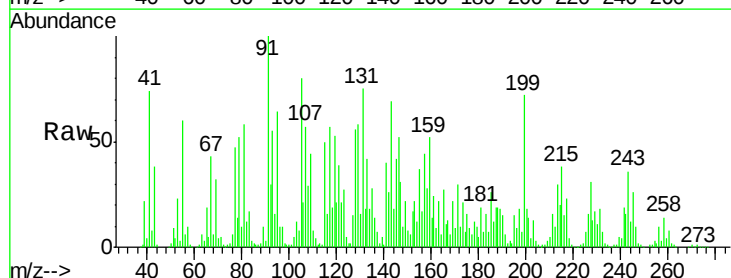
Instrument :
BNA_F
ClientSampleId :
SB-46(10-12)-12-14-16

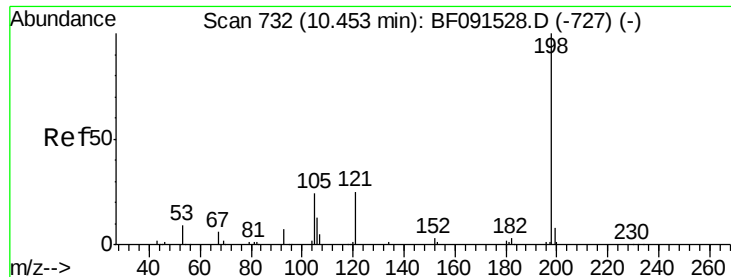
Tgt Ion: 77 Resp: 104678
Ion Ratio Lower Upper
77 100
182 10.5 12.5 52.5#
105 142.6 3.7 43.7#
51 22.1 11.9 51.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. 0.08 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion: 188 Resp: 245149
Ion Ratio Lower Upper
188 100
94 85.3 9.2 13.8#
80 55.7 10.5 15.7#

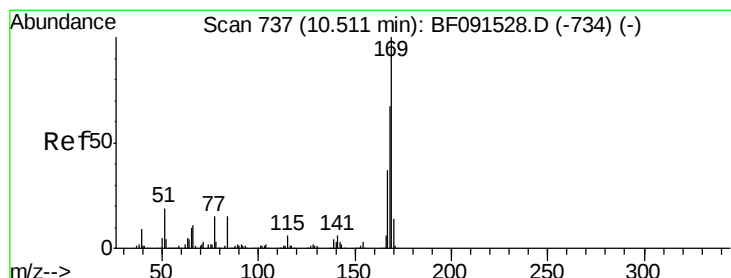
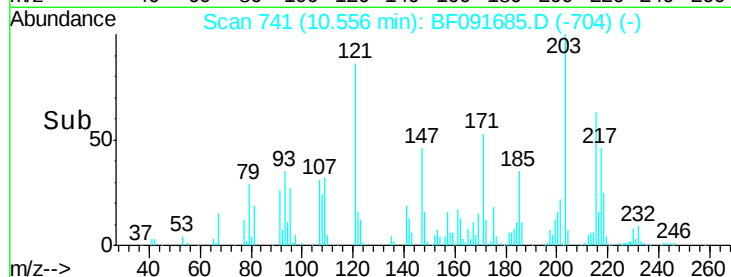
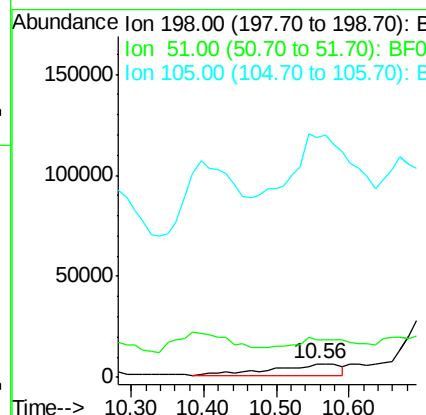
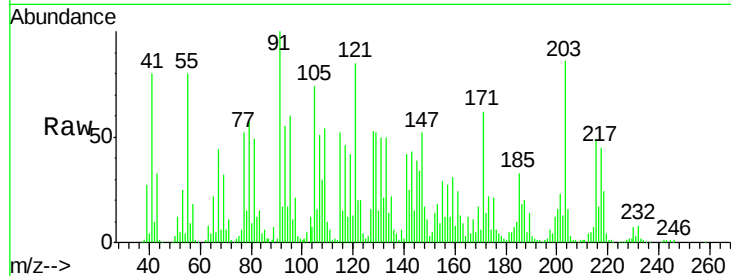




#64
 4,6-Dinitro-2-methylphenol
 Concen: 24.85 ng
 RT: 10.56 min Scan# 741
 Delta R.T. 0.13 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

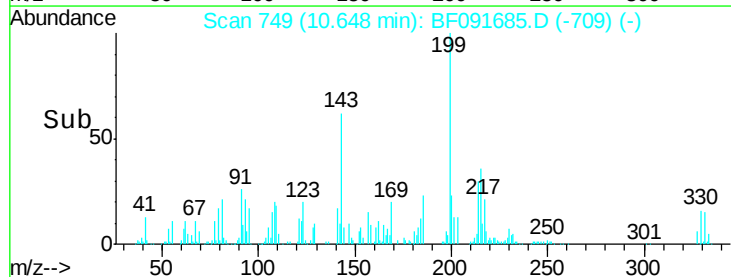
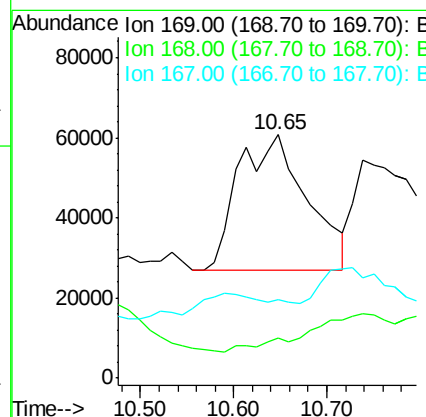
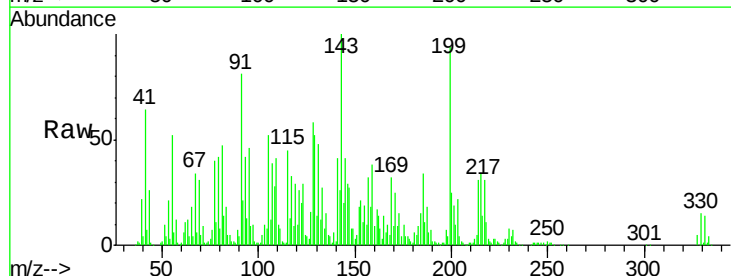
Instrument :
 BNA_F
 ClientSampleId :
 SB-46(10-12)-12-14-16

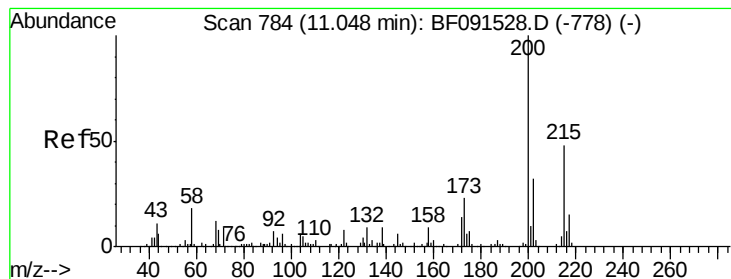
Tgt Ion:198 Resp: 34742
 Ion Ratio Lower Upper
 198 100
 51 284.9 77.1 117.1#
 105 1807.9 44.8 84.8#



#65
 n-Nitrosodiphenylamine
 Concen: 23.84 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.16 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Tgt Ion:169 Resp: 174250
 Ion Ratio Lower Upper
 169 100
 168 16.3 53.8 80.8#
 167 32.4 29.8 44.8





#68

Atrazine

Concen: 444.83 ng

RT: 11.31 min Scan# 807

Delta R.T. 0.30 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

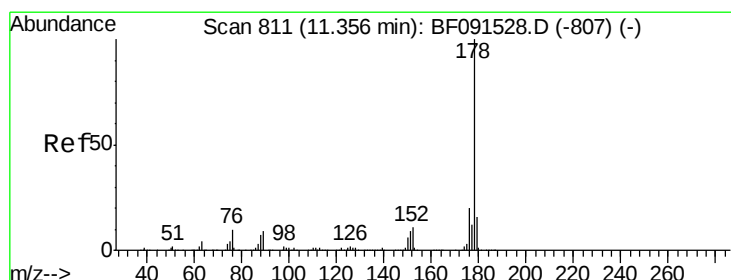
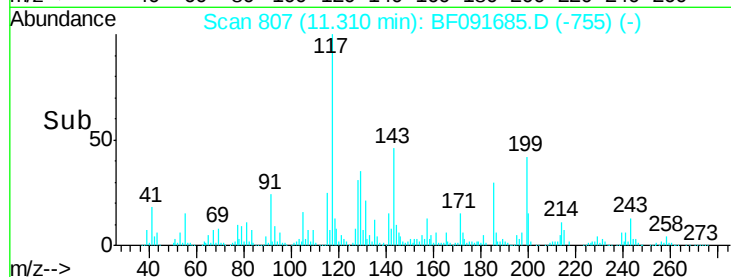
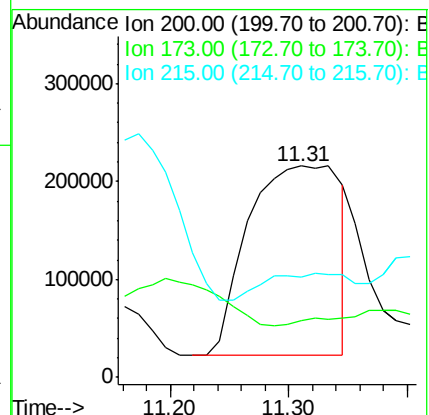
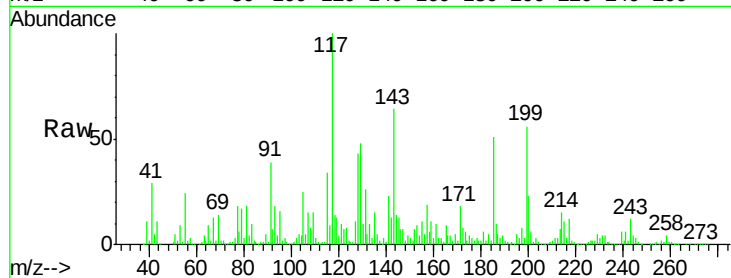
Tgt Ion:200 Resp: 1045356

Ion Ratio Lower Upper

200 100

173 26.6 7.8 47.8

215 47.5 24.3 64.3



#70

Phenanthrene

Concen: 3.02 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.07 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

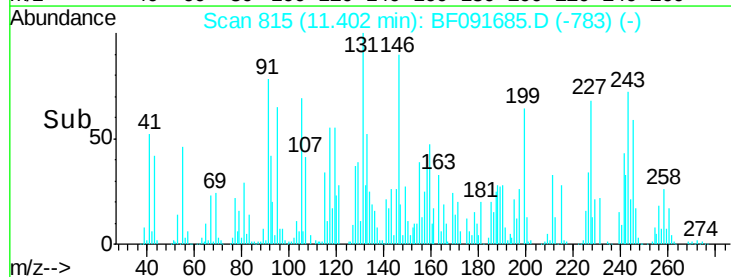
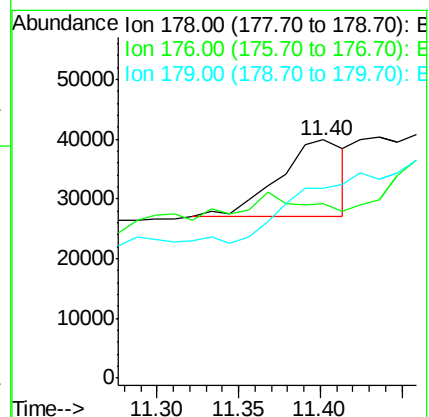
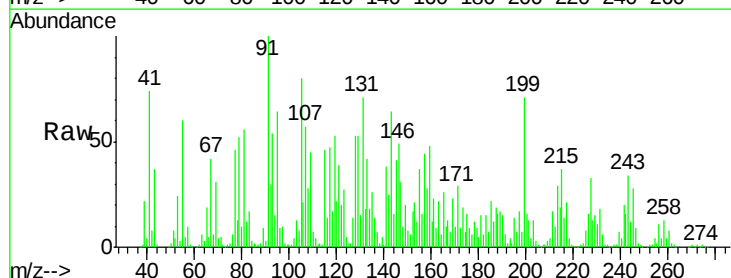
Tgt Ion:178 Resp: 36701

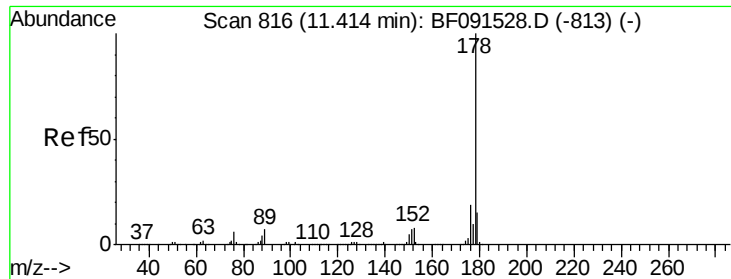
Ion Ratio Lower Upper

178 100

176 73.3 15.9 23.9#

179 79.9 12.6 18.8#

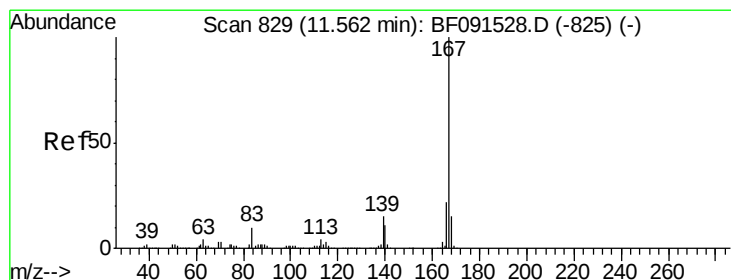
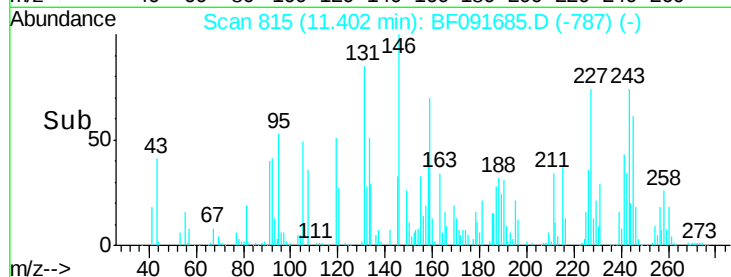
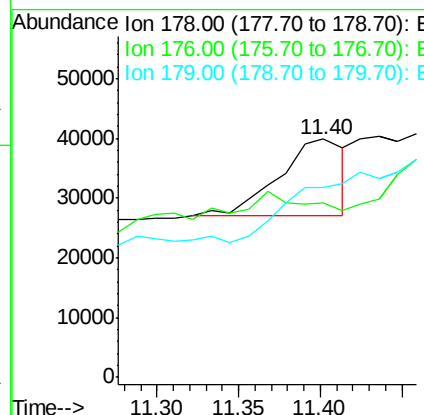
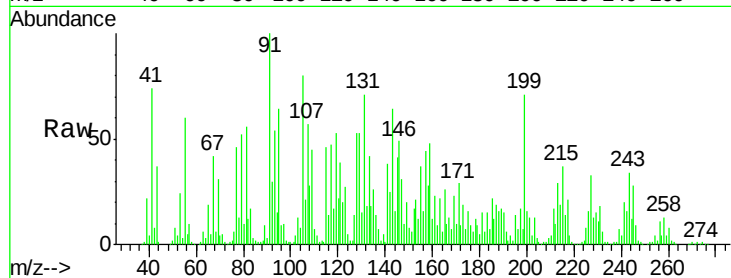




#71
 Anthracene
 Concen: 2.80 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.02 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

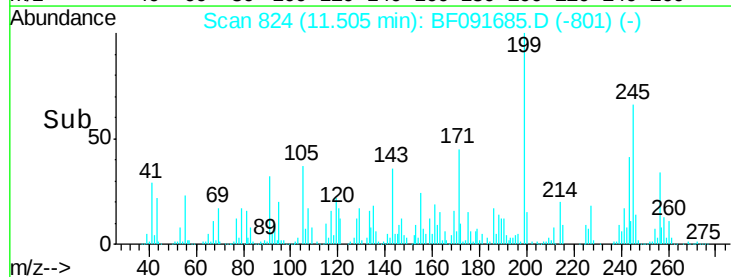
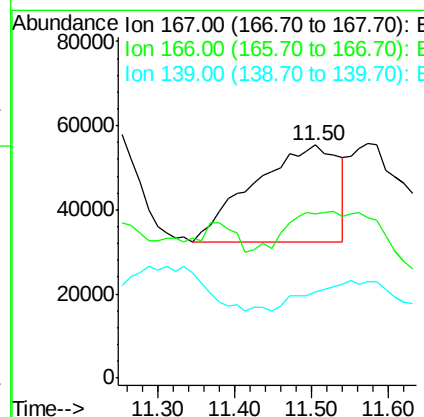
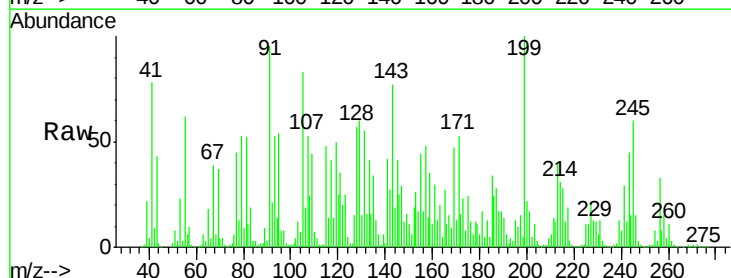
Instrument :
 BNA_F
 ClientSampleId :
 SB-46(10-12)-12-14-16

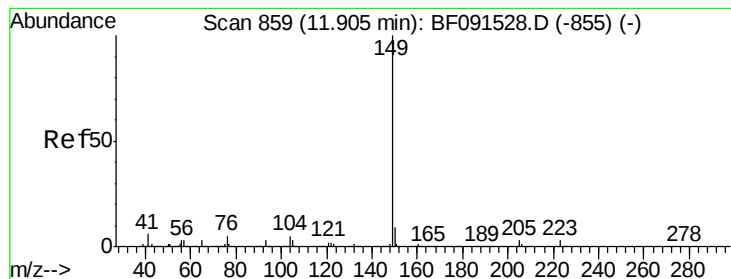
Tgt Ion:178 Resp: 36701
 Ion Ratio Lower Upper
 178 100
 176 73.3 15.8 23.6#
 179 79.9 12.7 19.1#



#72
 Carbazole
 Concen: 15.60 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: BF091685.D
 Acq: 16 Dec 2016 20:59

Tgt Ion:167 Resp: 179077
 Ion Ratio Lower Upper
 167 100
 166 70.6 18.1 27.1#
 139 37.2 11.5 17.3#





#73

Di-n-butylphthalate

Concen: 14.59 ng

RT: 11.93 min Scan# 861

Delta R.T. 0.05 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

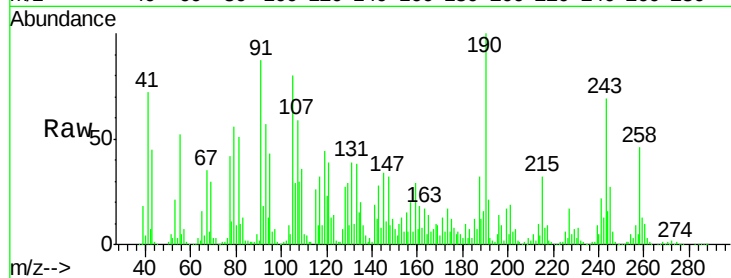
Tgt Ion:149 Resp: 195164

Ion Ratio Lower Upper

149 100

150 56.8 7.5 11.3#

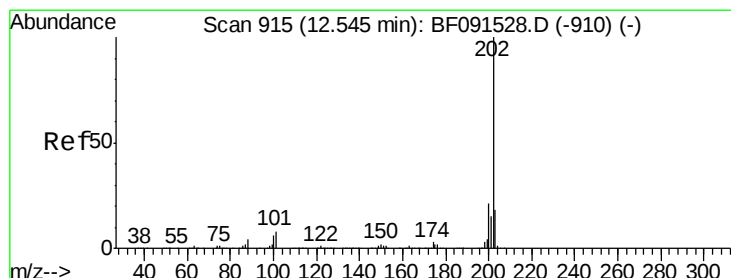
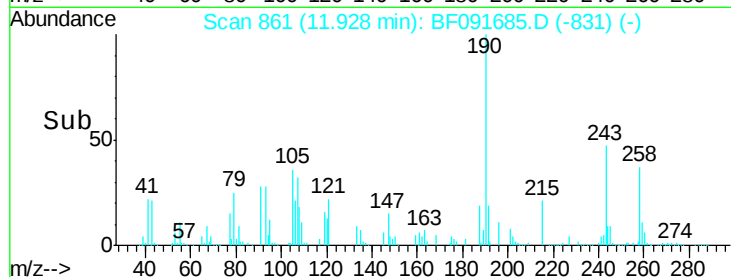
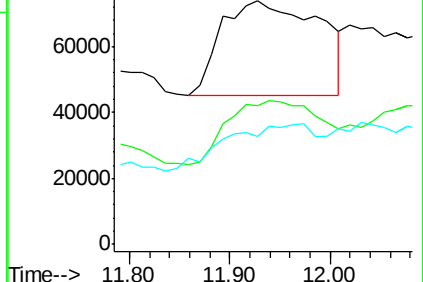
104 44.5 4.0 6.0#



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: 23.02 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

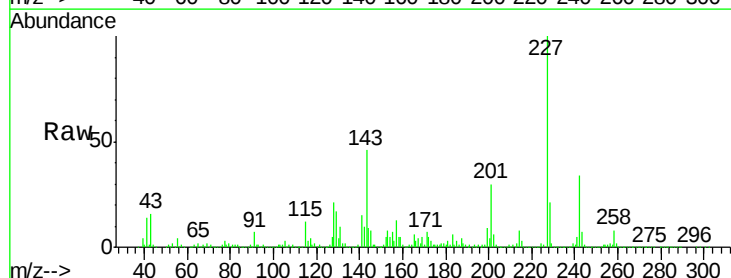
Tgt Ion:202 Resp: 292659

Ion Ratio Lower Upper

202 100

101 5.4 0.0 29.5

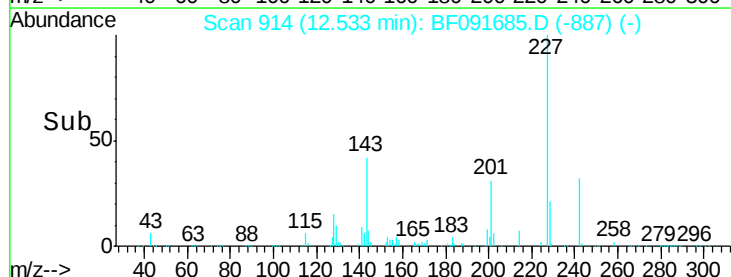
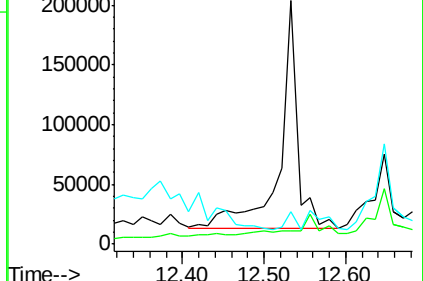
203 13.2 0.0 37.8

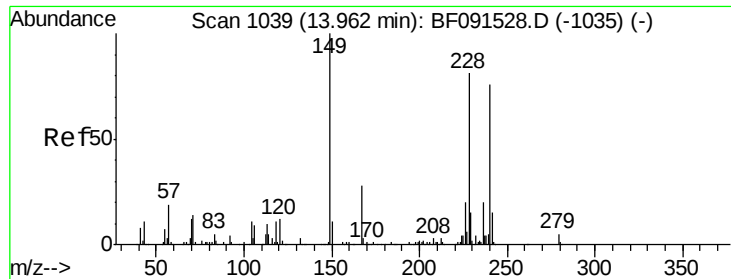


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

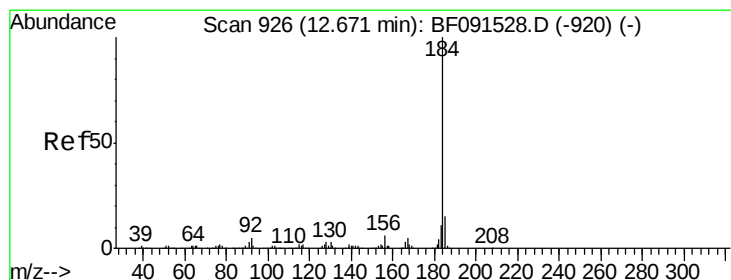
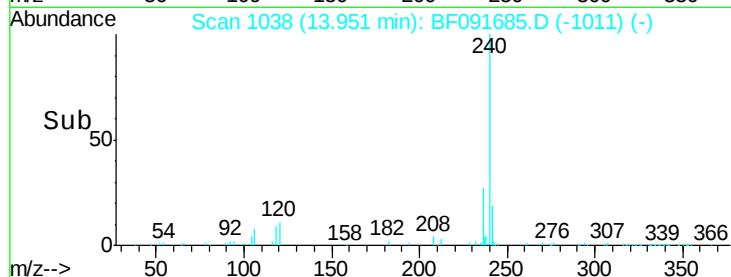
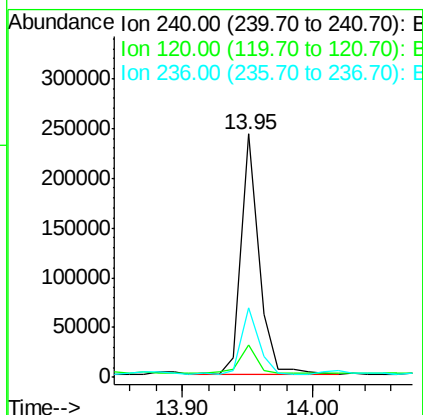
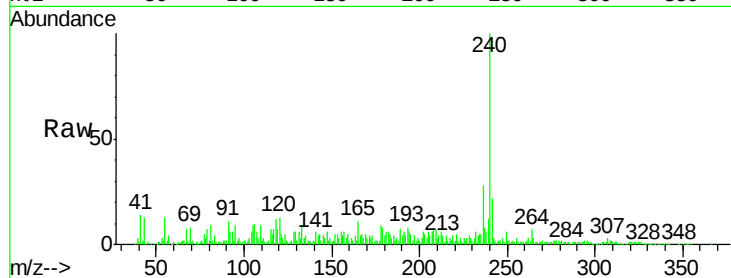




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

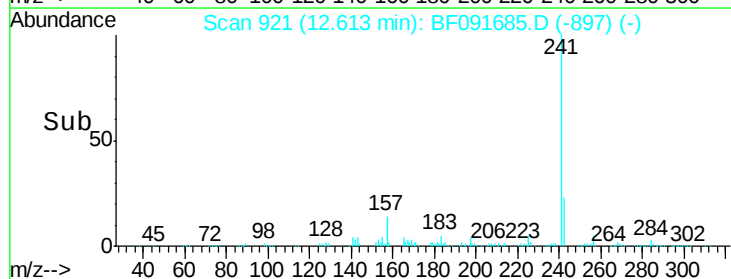
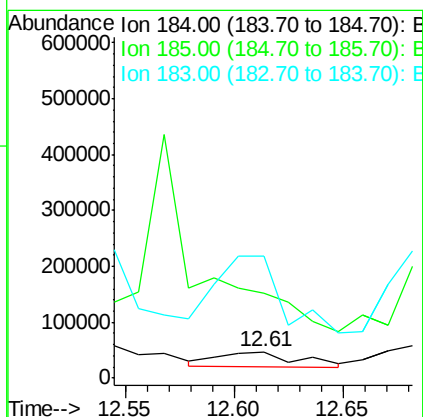
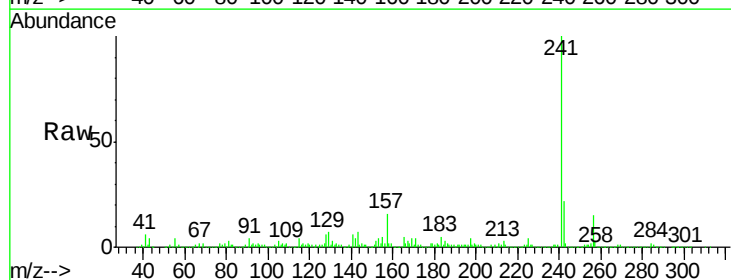
Instrument :
BNA_F
ClientSampleId :
SB-46(10-12)-12-14-16

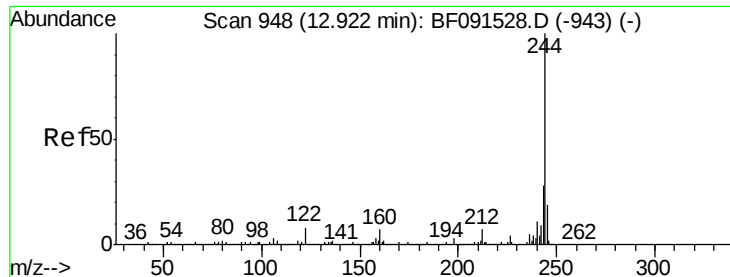
Tgt Ion:240 Resp: 228900
Ion Ratio Lower Upper
240 100
120 13.5 12.1 18.1
236 28.4 21.0 31.6



#76
Benzidine
Concen: 9.53 ng
RT: 12.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Tgt Ion:184 Resp: 67424
Ion Ratio Lower Upper
184 100
185 318.3 13.1 19.7#
183 458.7 8.9 13.3#





#78

Terphenyl-d14

Concen: 0.50 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

Instrument :

BNA_F

ClientSampleId :

SB-46(10-12)-12-14-16

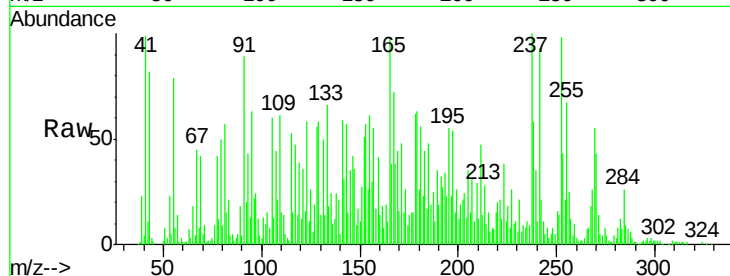
Tgt Ion:244 Resp: 5054

Ion Ratio Lower Upper

244 100

212 256.4 6.5 9.7#

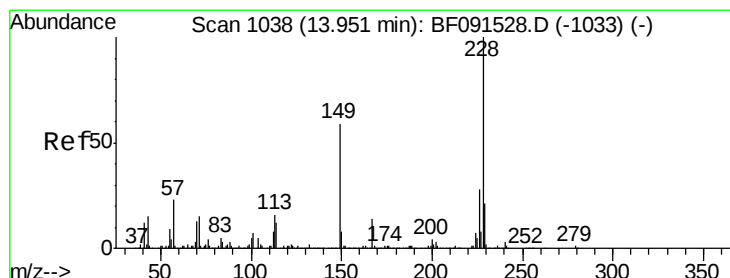
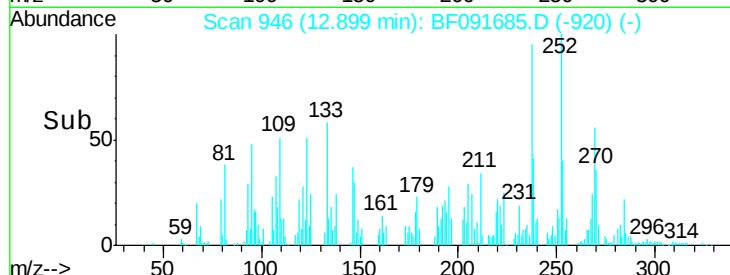
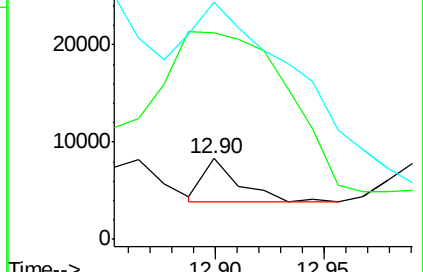
122 294.4 9.5 14.3#



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: 2.14 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.05 min

Lab File: BF091685.D

Acq: 16 Dec 2016 20:59

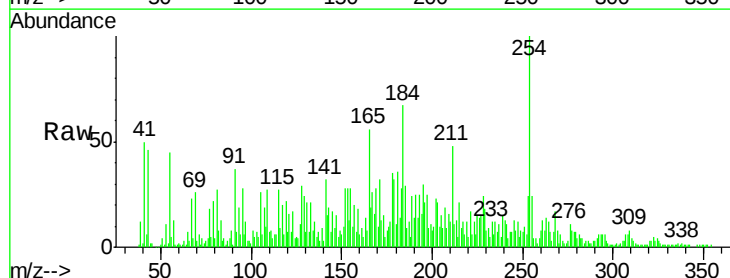
Tgt Ion:228 Resp: 28382

Ion Ratio Lower Upper

228 100

226 59.4 22.5 33.7#

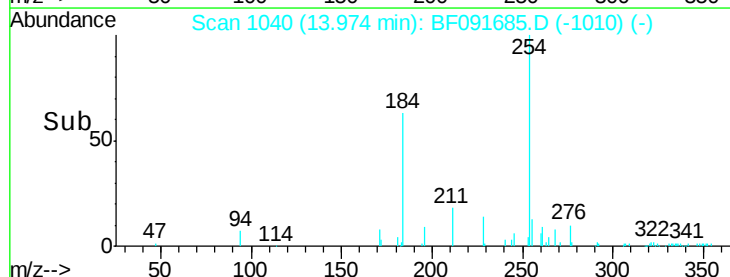
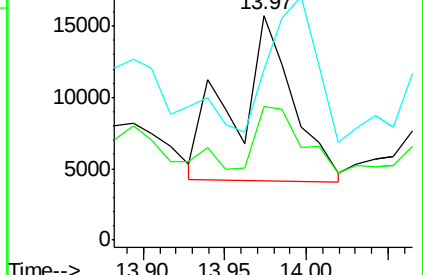
229 75.6 16.4 24.6#

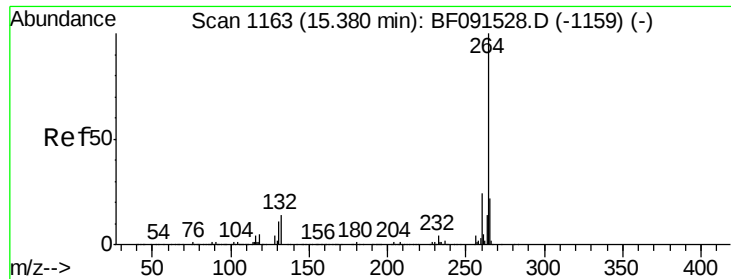


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

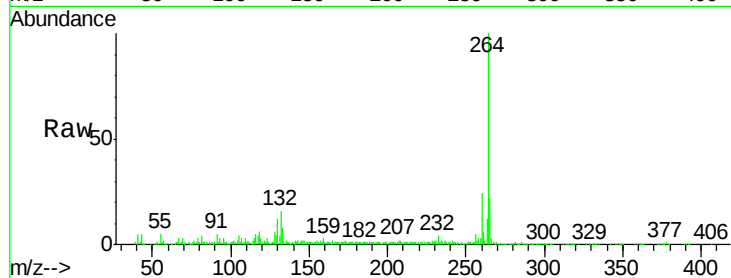




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF091685.D
Acq: 16 Dec 2016 20:59

Instrument :
BNA_F
ClientSampleId :
SB-46(10-12)-12-14-16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	21.8	17.0	25.6



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

