

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090869.D
 Acq On : 27 Oct 2016 12:58
 Operator : UM/SJ
 Sample : H5308-25 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-104S

Quant Time: Oct 27 16:49:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 16:35:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	170890	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	817331	20.00	ng	-0.02
38) Acenaphthene-d10	9.81	164	421508	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	749872	20.00	ng	-0.02
75) Chrysene-d12	13.94	240	682341	20.00	ng	-0.02
86) Perylene-d12	15.35	264	514452	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	3535	0.36	ng	-0.02
7) Phenol-d6	6.43	99	7871	0.60	ng	-0.01
23) Nitrobenzene-d5	7.36	82	2371	0.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	1804	0.42	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	14369	0.60	ng	-0.03
78) Terphenyl-d14	12.89	244	15421	0.57	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.44	88	892	0.18	ng	# 29
4) n-Nitrosodimethylamine	3.13	42	662	0.17	ng	# 1
6) Aniline	6.21	93	1076	0.07	ng	# 47
15) Benzyl Alcohol	6.93	79	249	0.03	ng	# 5
18) Hexachloroethane	7.34	117	1178	0.25	ng	# 5
19) n-Nitroso-di-n-propylamine	7.22	70	2184	0.29	ng	# 47
22) Acetophenone	7.17	105	438	0.03	ng	# 1
24) Nitrobenzene	7.42	77	1133	0.09	ng	# 8
25) Isophorone	7.58	82	2676	0.11	ng	# 1
26) 2-Nitrophenol	7.78	139	226	0.03	ng	# 1
28) bis(2-Chloroethoxy)methane	7.87	93	206	0.01	ng	# 1
29) 2,4-Dichlorophenol	7.97	162	289	0.03	ng	# 19
31) Naphthalene	8.09	128	4093	0.11	ng	# 74
33) 4-Chloroaniline	8.16	127	1878	0.12	ng	# 43
35) Caprolactam	8.50	113	1268	0.39	ng	# 1
36) 4-Chloro-3-methylphenol	8.59	107	1070	0.09	ng	# 12
37) 2-Methylnaphthalene	8.78	142	836	0.03	ng	# 68
45) 1,1'-Biphenyl	9.24	154	271	0.01	ng	# 41
46) 2-Chloronaphthalene	9.40	162	927	0.04	ng	# 1
47) 2-Nitroaniline	9.34	65	256	0.04	ng	# 20
48) Acenaphthylene	9.68	152	2721	0.08	ng	# 27
49) Dimethylphthalate	9.54	163	1994	0.07	ng	# 76
50) 2,6-Dinitrotoluene	9.81	165	56773	9.13	ng	# 39
51) Acenaphthene	9.85	154	10959	0.46	ng	# 82
52) 3-Nitroaniline	9.77	138	298	0.05	ng	# 13
54) Dibenzofuran	10.03	168	1569	0.05	ng	# 1
55) 4-Nitrophenol	9.93	139	3167	0.78	ng	# 14
56) 2,4-Dinitrotoluene	9.81	165	57725	7.47	ng	# 34
57) Fluorene	10.36	166	4646	0.18	ng	# 18
59) Diethylphthalate	10.24	149	477	0.02	ng	# 50
60) 4-Chlorophenyl-phenylether	10.19	204	996	0.08	ng	# 24
61) 4-Nitroaniline	10.40	138	214	0.03	ng	# 10
62) Azobenzene	10.49	77	986	0.04	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.64	198	739	0.15	ng	# 1

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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

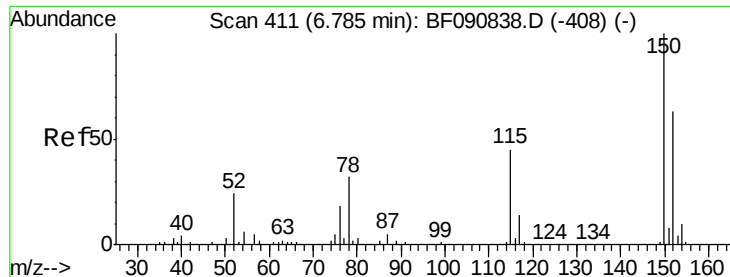
Instrument :
 BNA_F
 ClientSampleId :
 MW-104S

Quant Time: Oct 27 16:49:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

65) n-Nitrosodiphenylamine	10.48	169	7442	0.32	ng	# 70
70) Phenanthrene	11.32	178	20913	0.55	ng	# 92
71) Anthracene	11.38	178	19141	0.48	ng	# 87
72) Carbazole	11.51	167	200	0.01	ng	# 1
73) Di-n-butylphthalate	11.87	149	3419	0.07	ng	# 68
74) Fluoranthene	12.51	202	17363	0.42	ng	# 92
76) Benzidine	12.61	184	440	0.03	ng	# 1
77) Pyrene	12.74	202	28601	0.66	ng	# 97
79) Butylbenzylphthalate	13.37	149	836	0.04	ng	# 20
80) Benzo(a)anthracene	13.93	228	16243	0.45	ng	# 76
81) 3,3'-Dichlorobenzidine	13.99	252	536	0.04	ng	# 1
82) Chrysene	13.93	228	16243	0.44	ng	# 78
83) Bis(2-ethylhexyl)phthalate	13.93	149	66188	2.59	ng	# 89
84) Di-n-octyl phthalate	14.55	149	4996	0.12	ng	# 71
85) Indeno(1,2,3-cd)pyrene	16.72	276	929	0.03	ng	# 78
87) Benzo(b)fluoranthene	14.96	252	6538	0.19	ng	# 1
88) Benzo(k)fluoranthene	14.96	252	6538	0.24	ng	# 1
89) Benzo(a)pyrene	15.29	252	3966	0.13	ng	# 1
91) Benzo(g,h,i)perylene	17.11	276	1042	0.04	ng	# 65

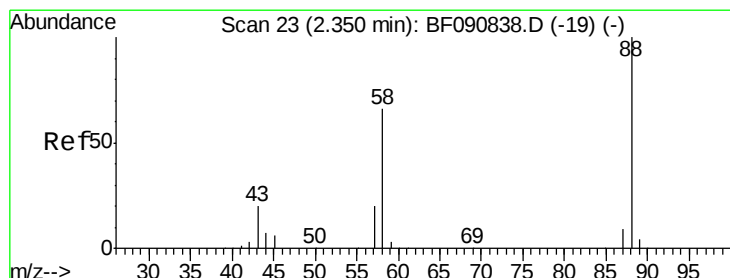
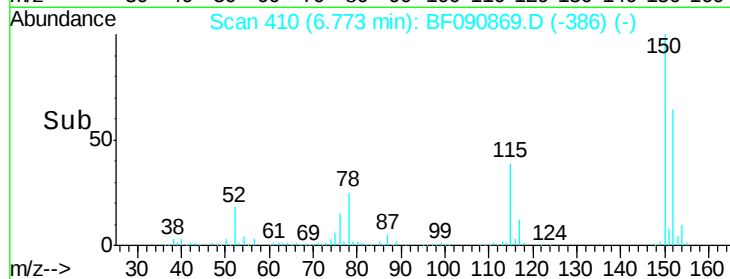
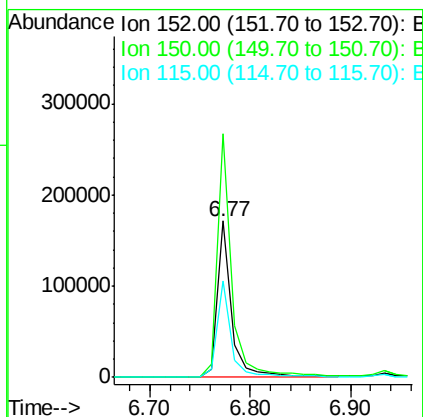
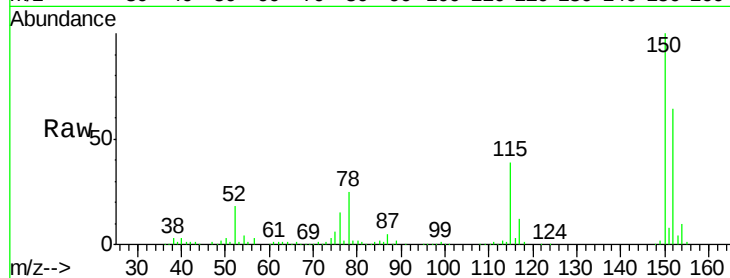
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.02 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

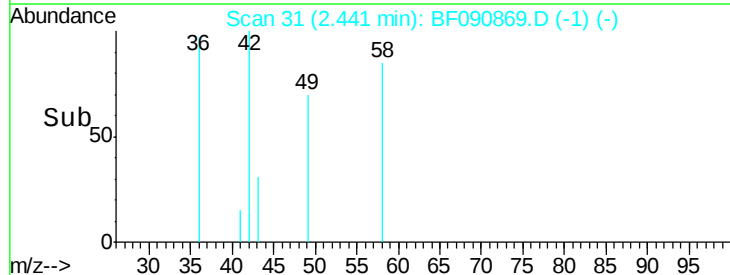
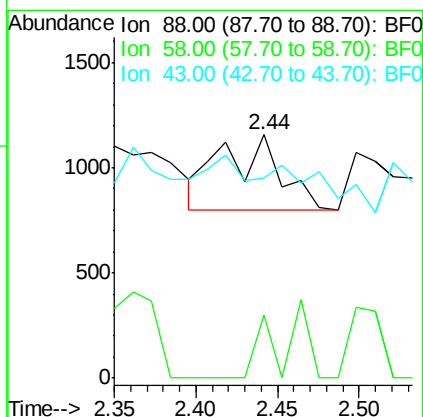
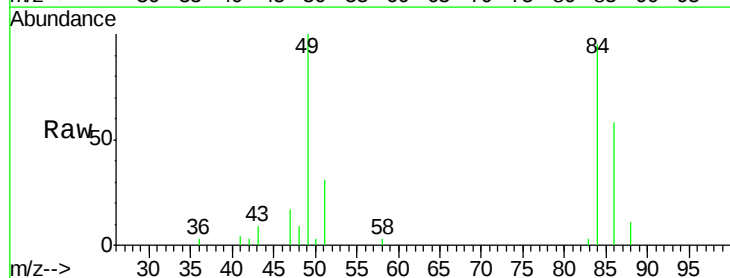
Instrument :
 BNA_F
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 MW-104S

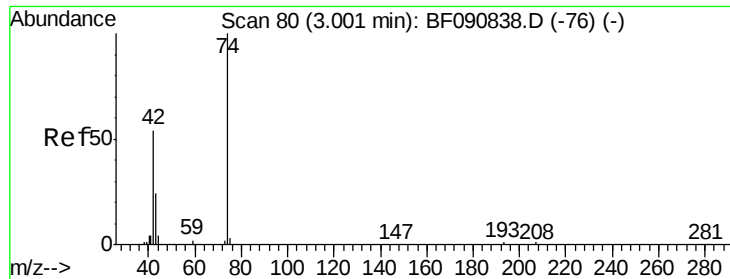
Tgt Ion:152 Resp: 170890
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.7 187.1
 115 61.4 39.0 58.4#



#2
 1,4-Dioxane
 Concen: 0.18 ng
 RT: 2.44 min Scan# 31
 Delta R.T. 0.09 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

Tgt Ion: 88 Resp: 892
 Ion Ratio Lower Upper
 88 100
 58 23.1 77.7 116.5#
 43 0.0 26.6 40.0#





#4

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 3.13 min Scan# 91

Delta R.T. 0.11 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

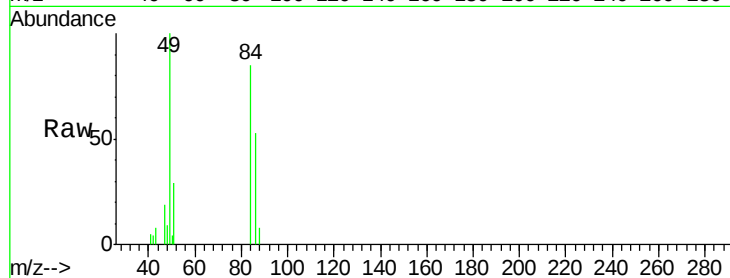
Tgt Ion: 42 Resp: 662

Ion Ratio Lower Upper

42 100

74 0.0 105.0 157.6#

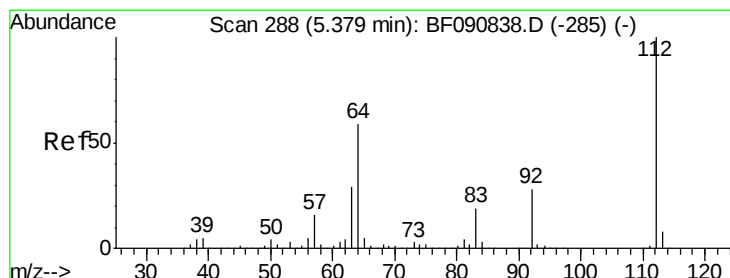
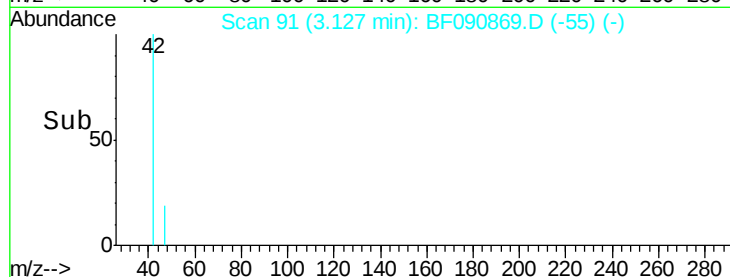
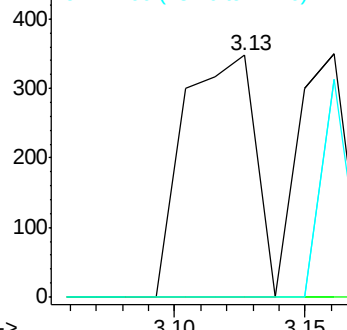
44 0.0 6.6 10.0#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 0.36 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

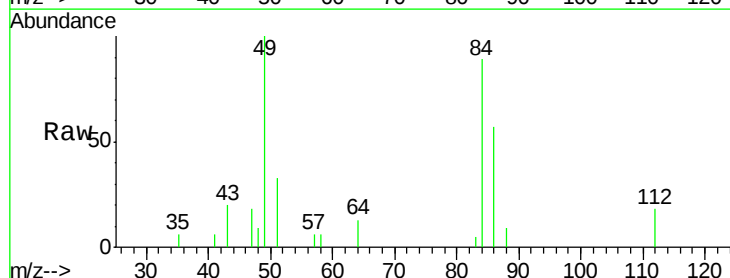
Tgt Ion: 112 Resp: 3535

Ion Ratio Lower Upper

112 100

64 72.3 39.7 59.5#

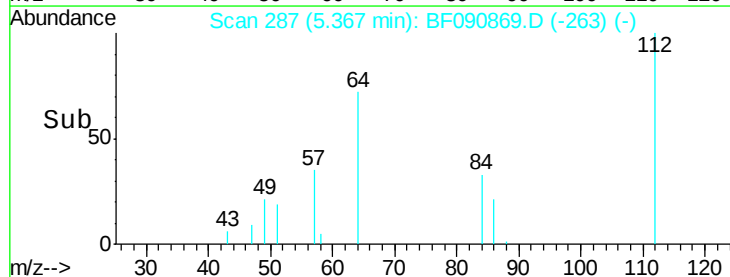
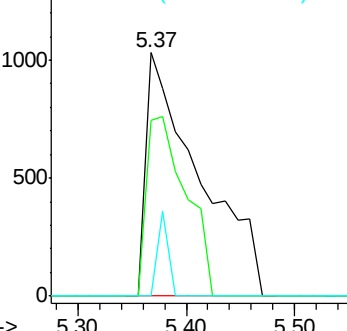
63 0.0 17.4 26.0#

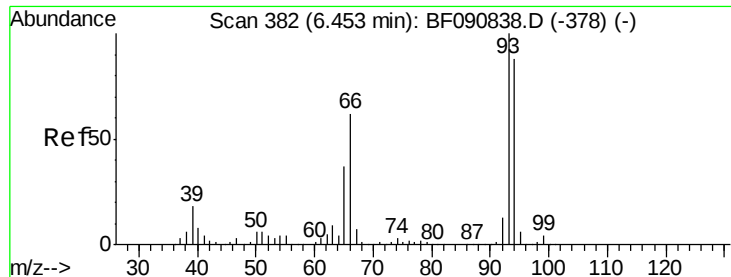


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.07 ng

RT: 6.21 min Scan# 361

Delta R.T. -0.25 min

Lab File: BF090869.D

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Instrument :

BNA_F

ClientSampleId :

MW-104S

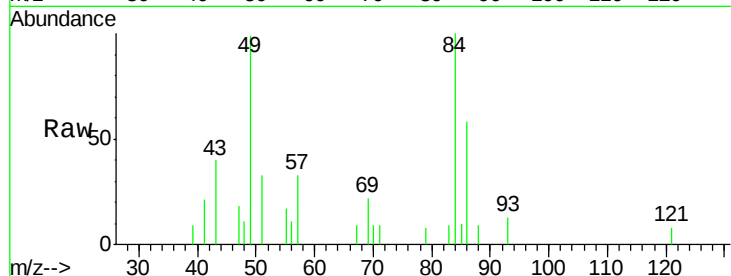
Tgt Ion: 93 Resp: 1076

Ion Ratio Lower Upper

93 100

66 0.0 27.2 40.8#

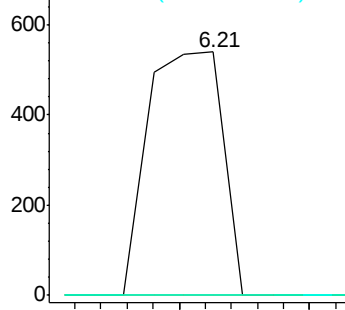
65 0.0 14.7 22.1#



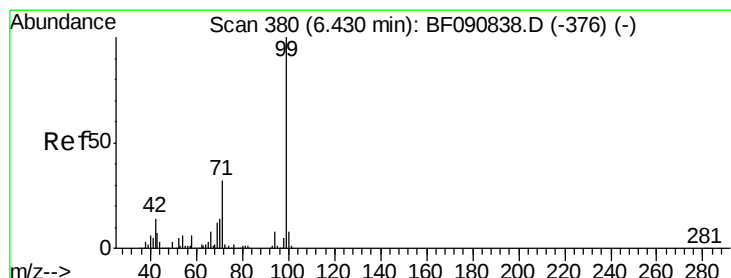
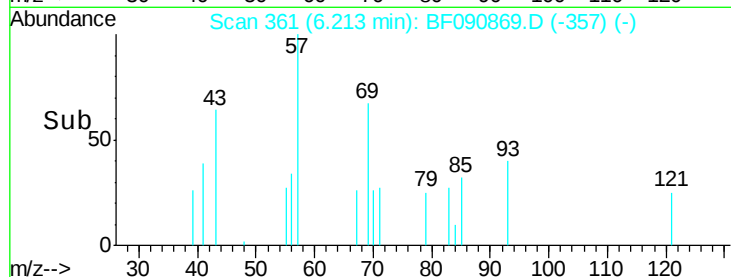
Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



Time-->



#7

Phenol-d6

Concen: 0.60 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

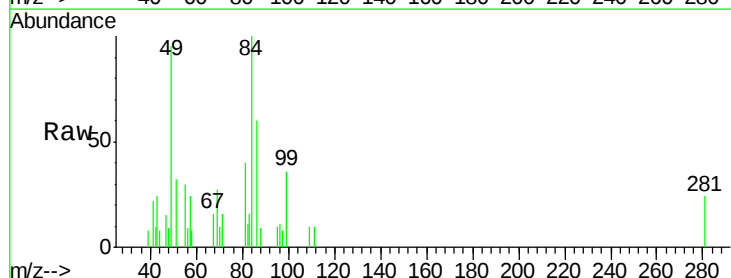
Tgt Ion: 99 Resp: 7871

Ion Ratio Lower Upper

99 100

42 27.6 13.7 20.5#

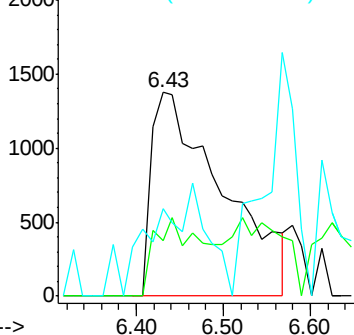
71 43.0 14.2 21.2#



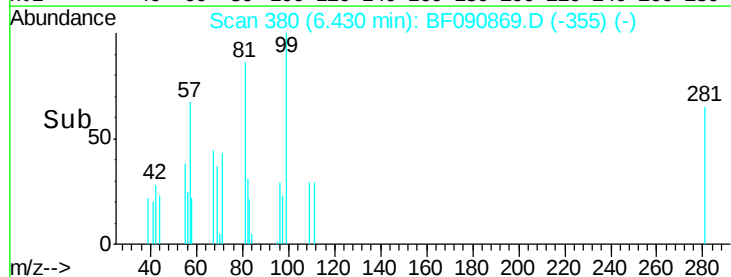
Abundance Ion 99.00 (98.70 to 99.70): BF0

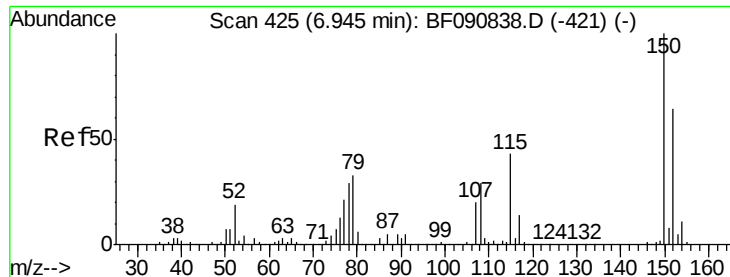
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->





#15

Benzyl Alcohol

Concen: 0.03 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF090869.D

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MW-104S

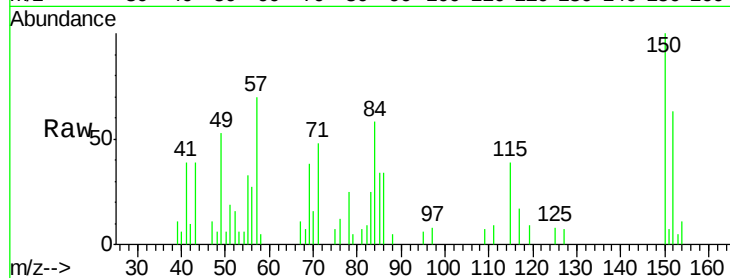
Tgt Ion: 79 Resp: 249

Ion Ratio Lower Upper

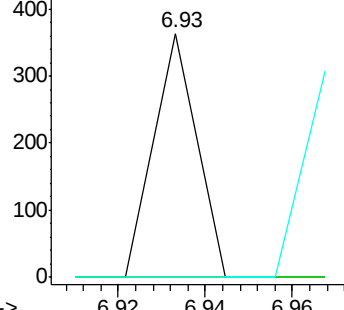
79 100

108 0.0 88.6 132.8#

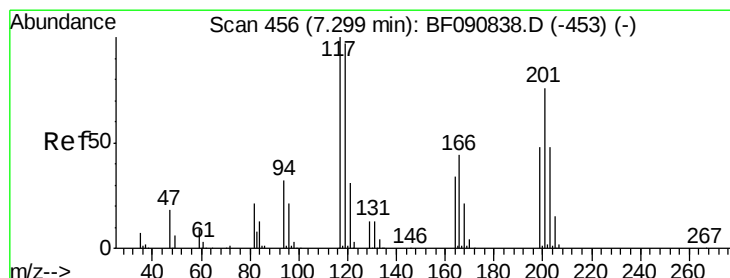
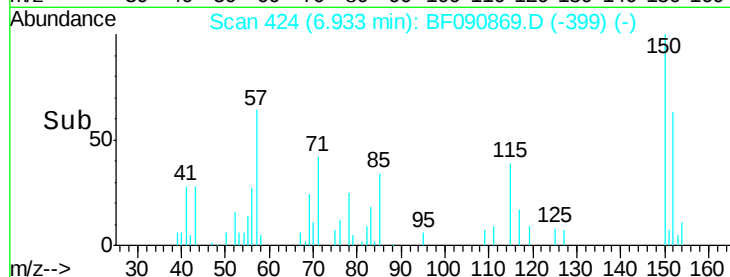
77 0.0 47.0 70.4#



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



Time-->



#18

Hexachloroethane

Concen: 0.25 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

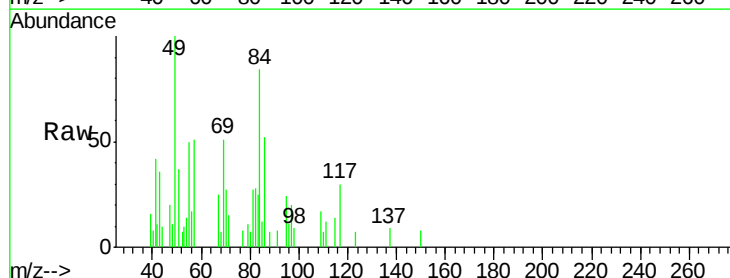
Tgt Ion: 117 Resp: 1178

Ion Ratio Lower Upper

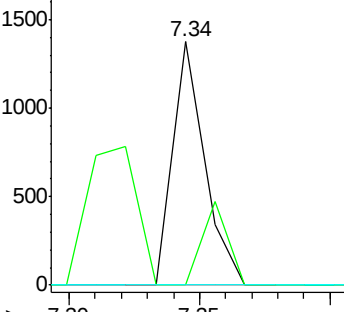
117 100

119 0.0 83.8 125.6#

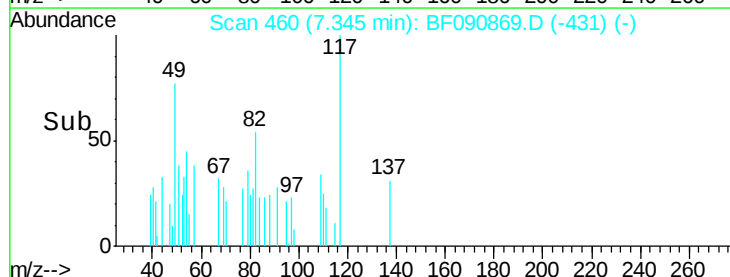
201 0.0 55.1 82.7#

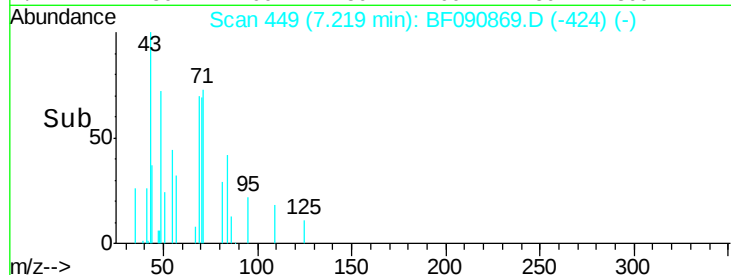
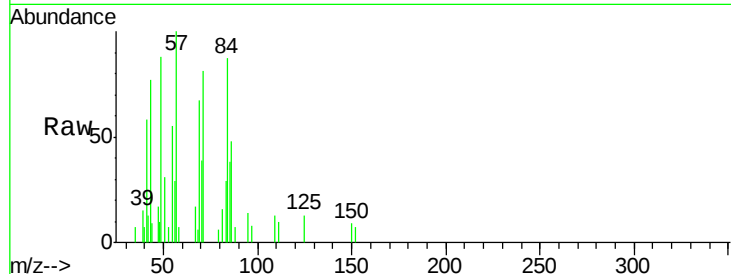
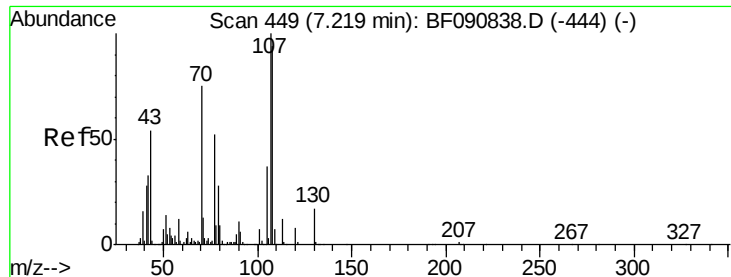


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E



Time-->

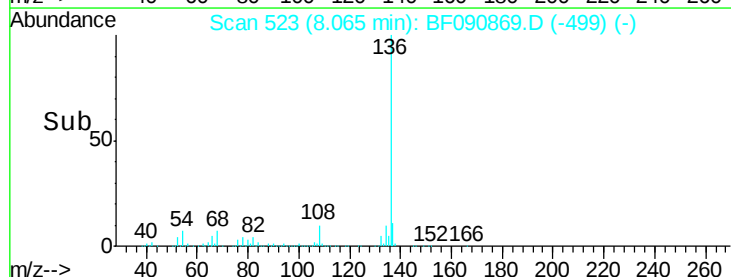
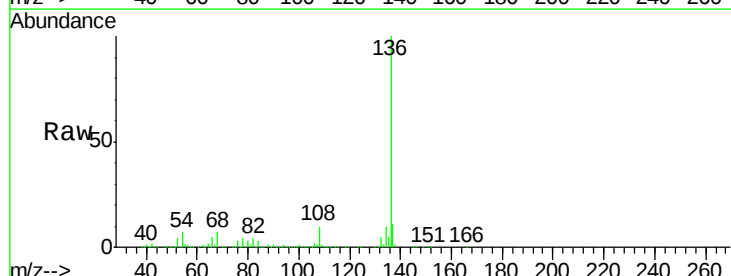
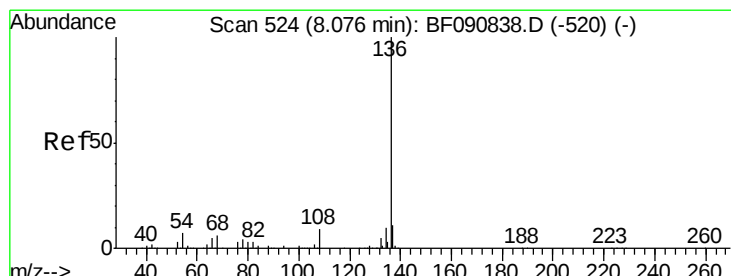
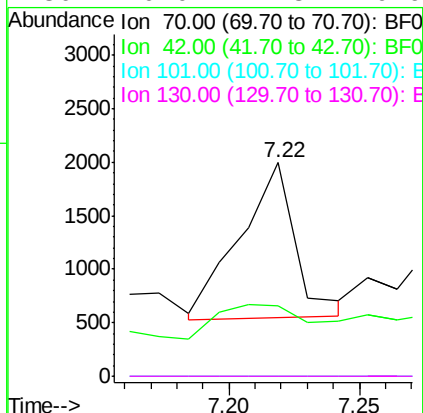




#19
n-Nitroso-di-n-propylamine
Concen: 0.29 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

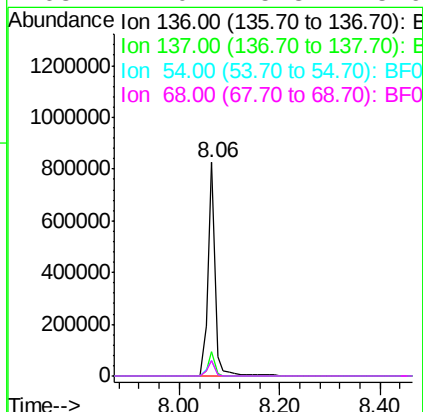
Instrument :
BNA_F
ClientSampleId :
MW-104S

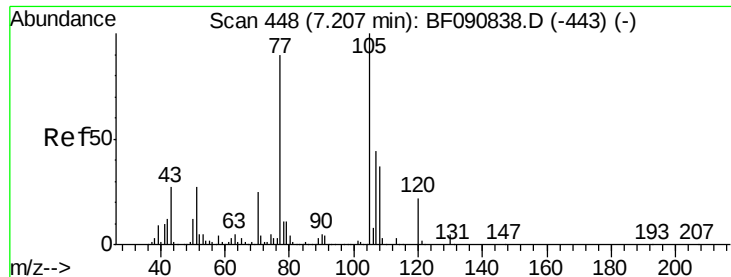
Tgt Ion:	70	Resp:	2184
Ion	Ratio	Lower	Upper
70	100		
42	33.0	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.02 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion:	136	Resp:	817331
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	7.5	8.2	12.2#
68	7.0	5.8	8.6





#22

Acetophenone

Concen: 0.03 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.05 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

Tgt Ion: 105 Resp: 438

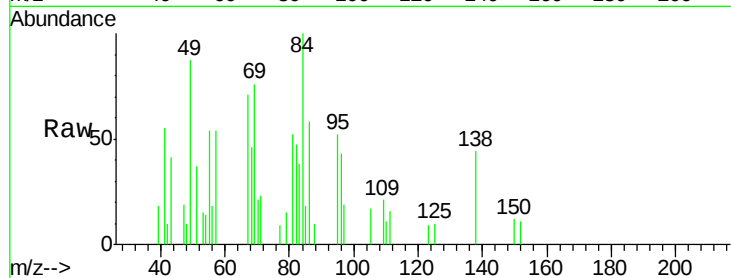
Ion Ratio Lower Upper

105 100

71 137.5 4.7 7.1#

51 214.1 22.0 33.0#

120 0.0 30.1 45.1#

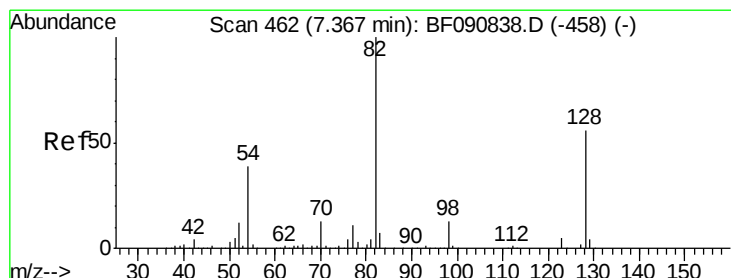
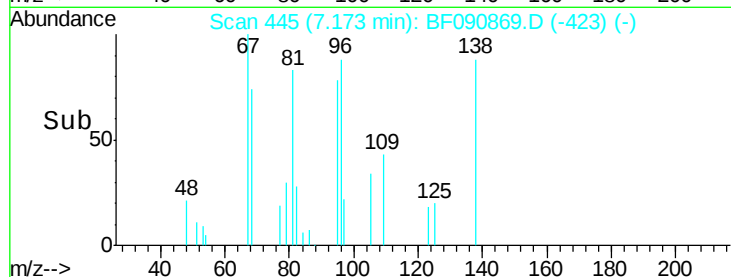
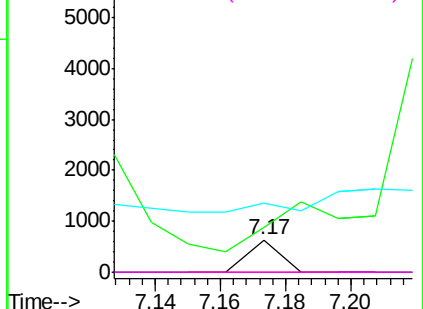


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 0.19 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

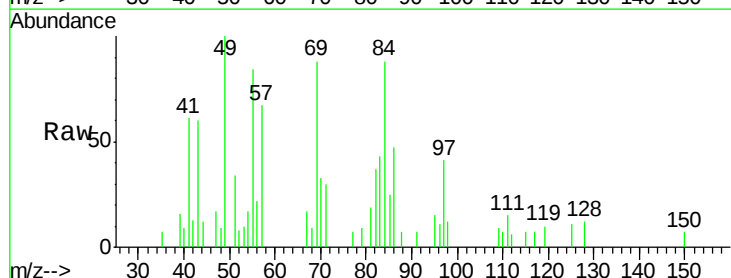
Tgt Ion: 82 Resp: 2371

Ion Ratio Lower Upper

82 100

128 33.8 51.0 76.6#

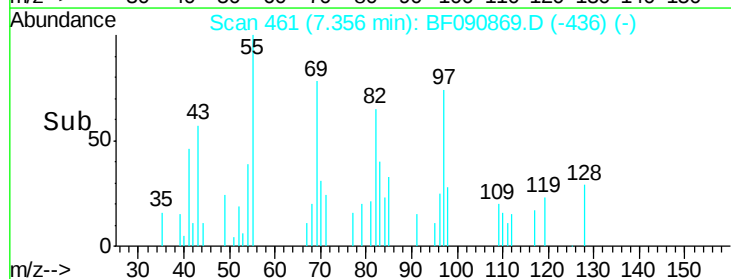
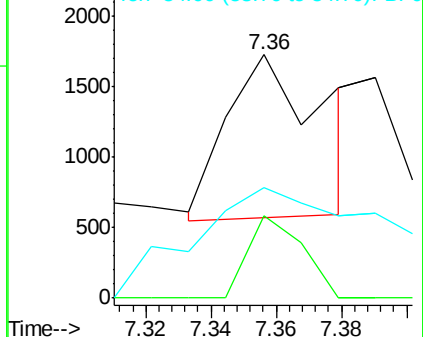
54 45.3 47.5 71.3#

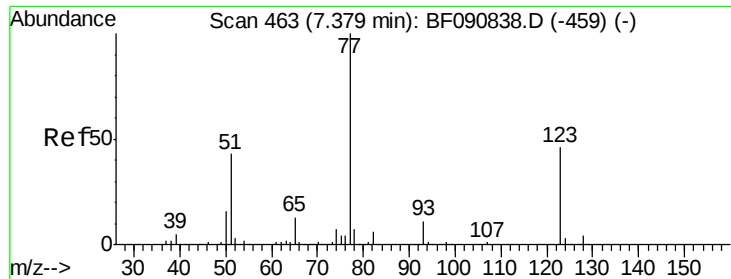


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.09 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

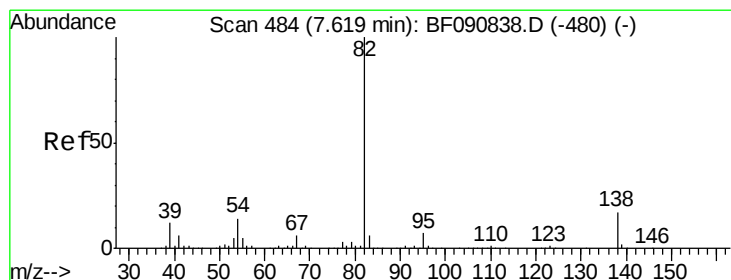
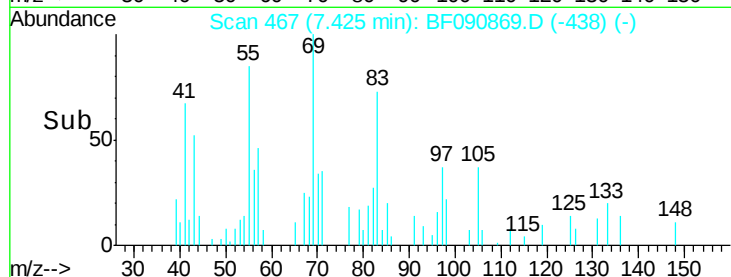
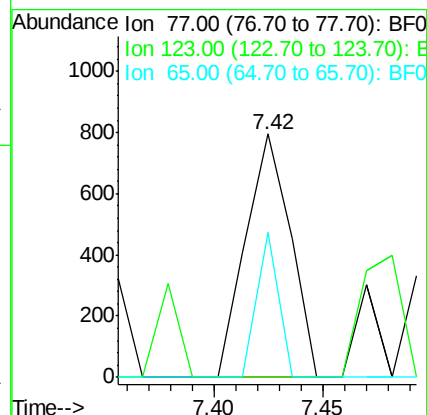
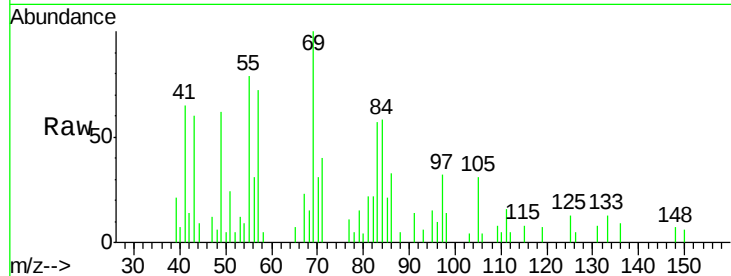
Tgt Ion: 77 Resp: 1133

Ion Ratio Lower Upper

77 100

123 0.0 59.8 89.8#

65 59.5 10.2 15.4#



#25

Isophorone

Concen: 0.11 ng

RT: 7.58 min Scan# 481

Delta R.T. -0.05 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

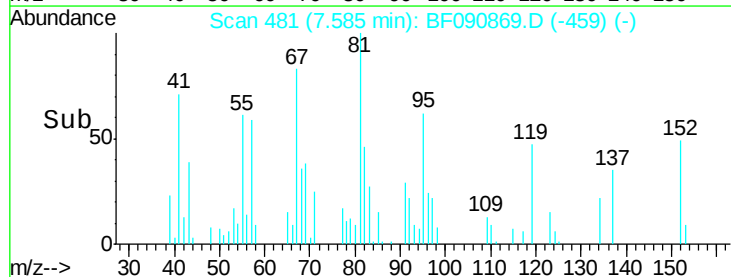
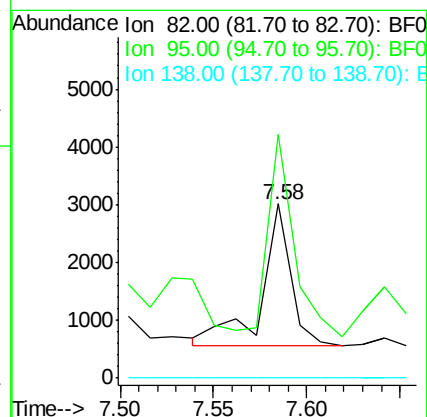
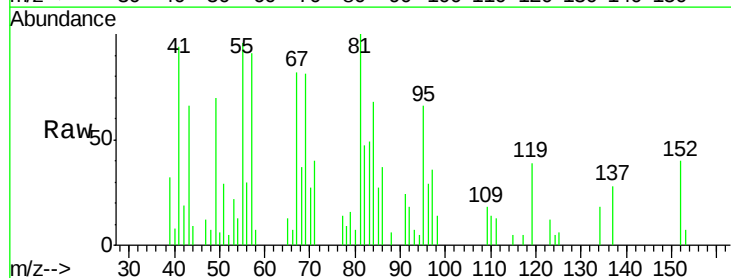
Tgt Ion: 82 Resp: 2676

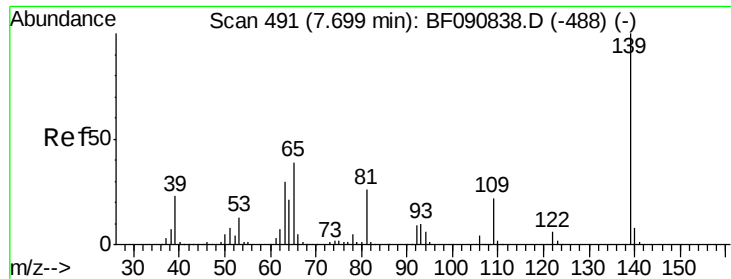
Ion Ratio Lower Upper

82 100

95 139.7 4.0 6.0#

138 0.0 18.3 27.5#





#26

2-Nitrophenol

Concen: 0.03 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.07 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

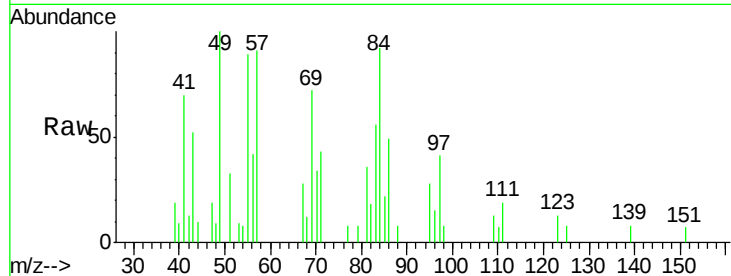
Tgt Ion: 139 Resp: 226

Ion Ratio Lower Upper

139 100

109 178.4 11.0 16.4#

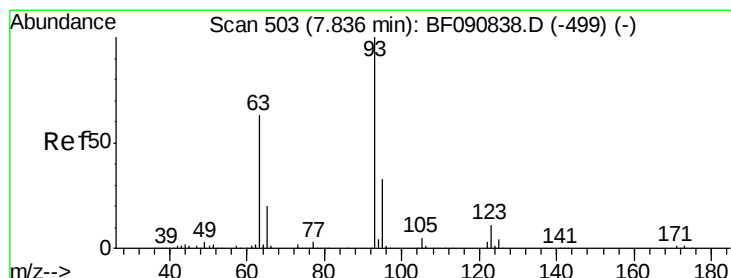
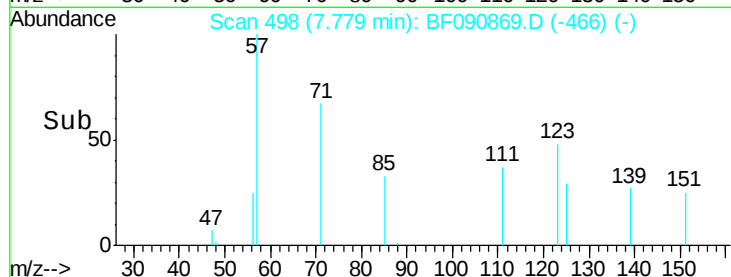
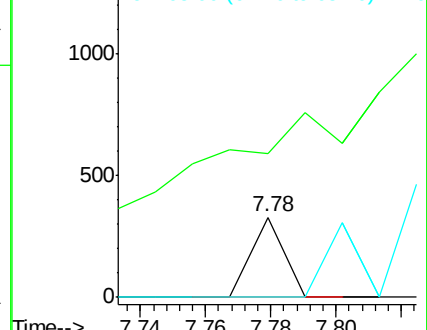
65 0.0 24.7 37.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#28

bis(2-Chloroethoxy)methane

Concen: 0.01 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

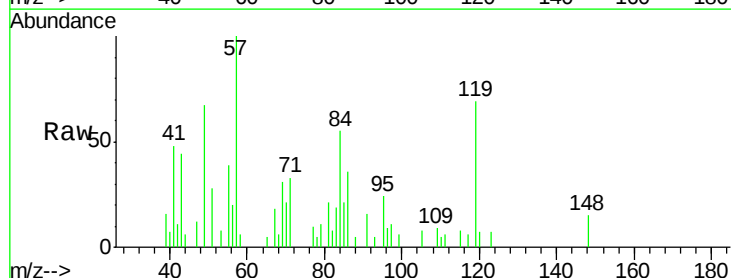
Tgt Ion: 93 Resp: 206

Ion Ratio Lower Upper

93 100

95 512.7 27.5 41.3#

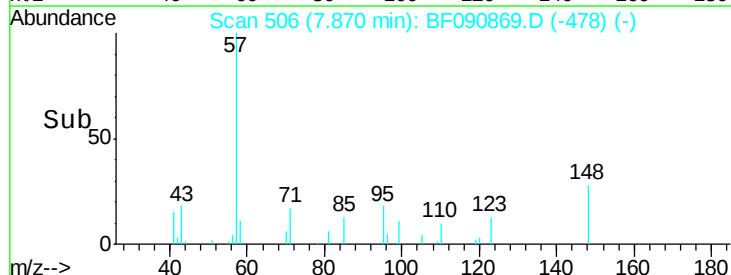
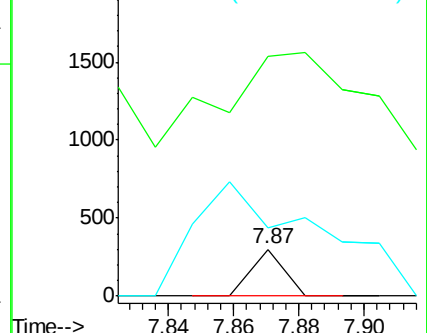
123 145.7 13.7 20.5#

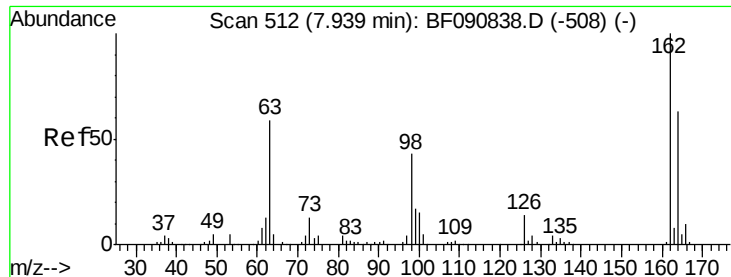


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

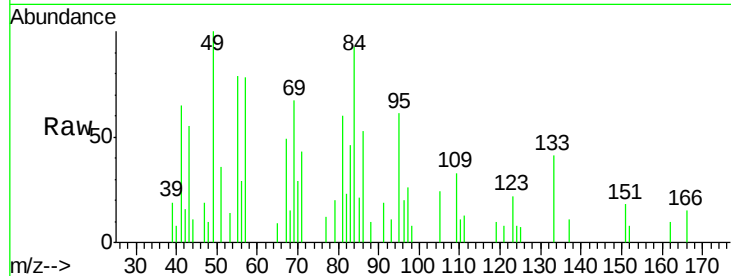




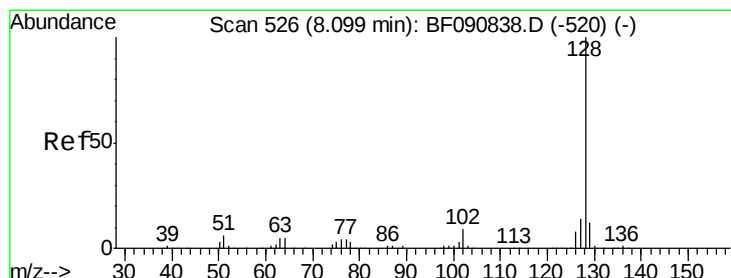
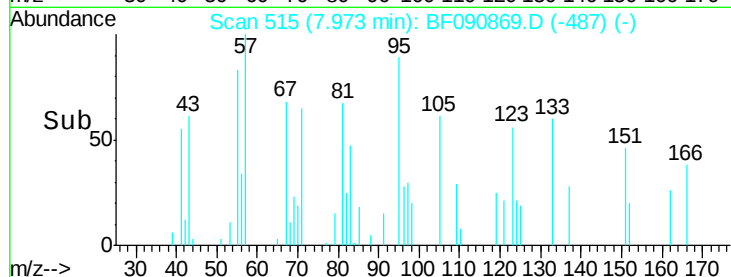
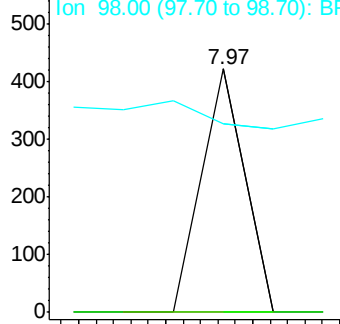
#29
2,4-Dichlorophenol
Concen: 0.03 ng
RT: 7.97 min Scan# 515
Delta R.T. 0.02 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Instrument :
BNA_F
ClientSampled :
MW-104S

Tgt Ion:162 Resp: 289
Ion Ratio Lower Upper
162 100
164 0.0 44.9 84.9#
98 77.3 13.0 53.0#

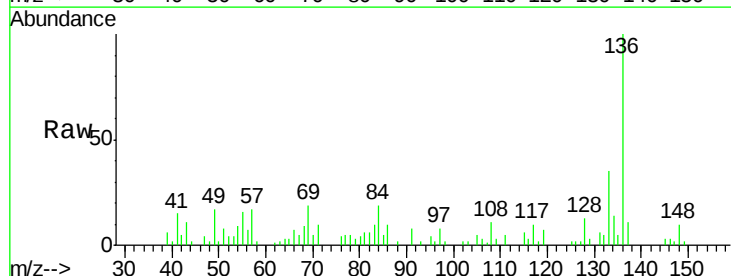


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

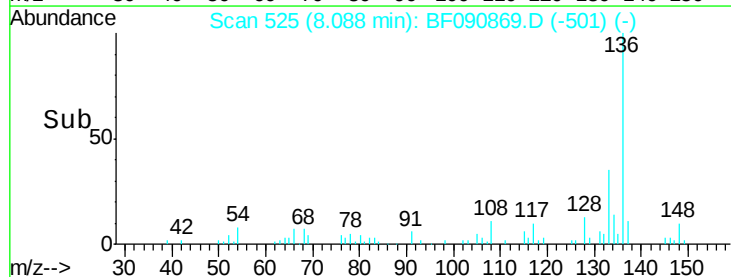
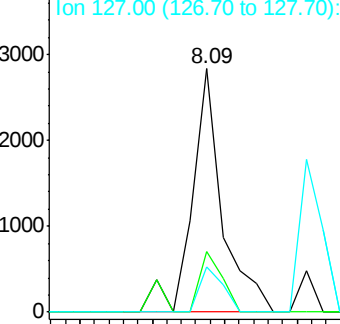


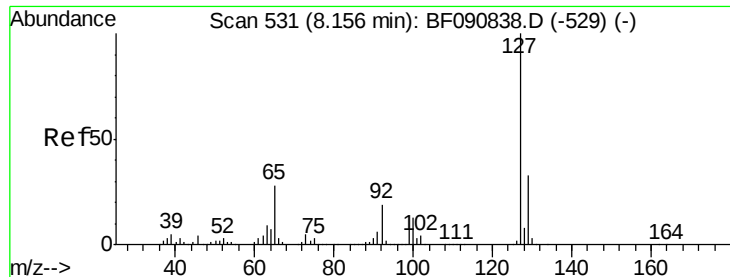
#31
Naphthalene
Concen: 0.11 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.02 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion:128 Resp: 4093
Ion Ratio Lower Upper
128 100
129 25.0 8.4 12.6#
127 18.5 9.9 14.9#



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

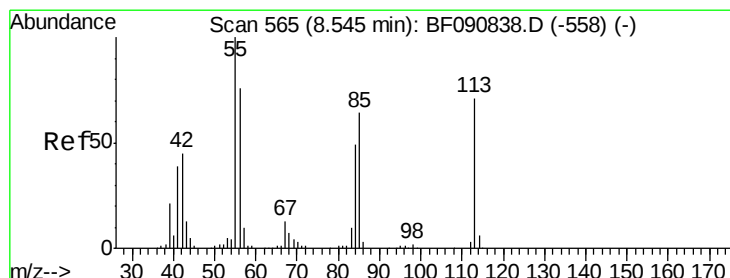
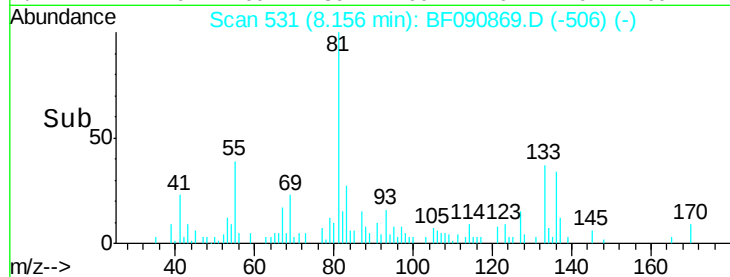
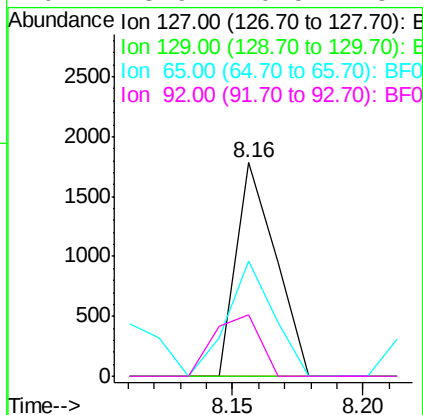
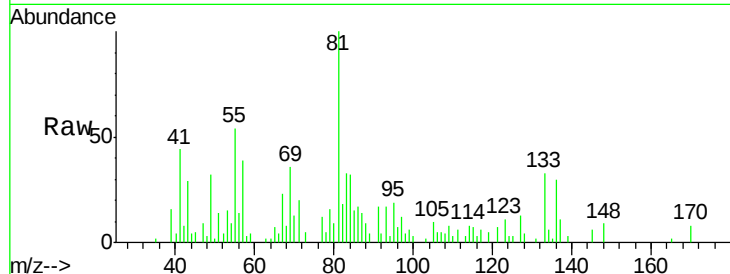




#33
4-Chloroaniline
Concen: 0.12 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

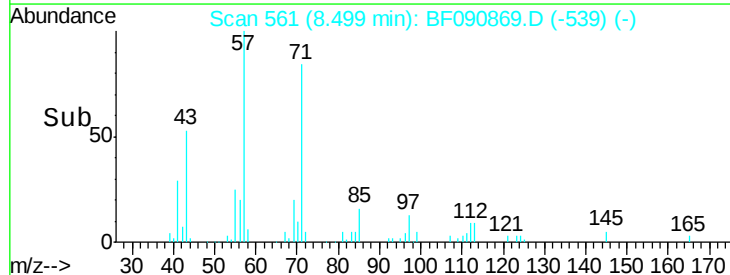
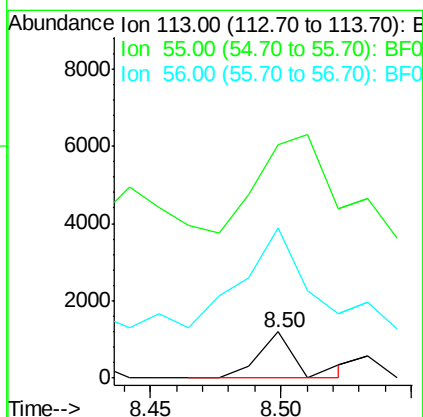
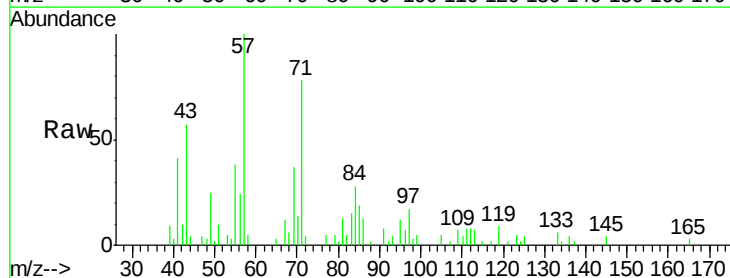
Instrument :
BNA_F
ClientSampleId :
MW-104S

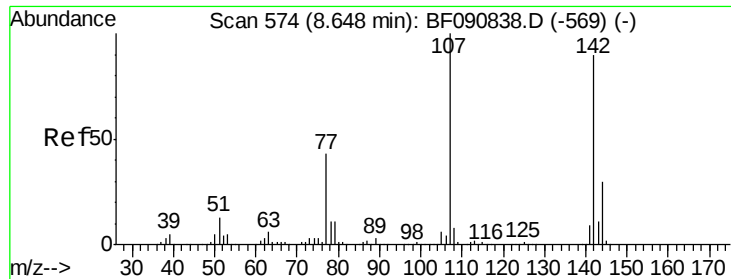
Tgt Ion:	127	Resp:	1878
Ion	Ratio	Lower	Upper
127	100		
129	0.0	25.8	38.6#
65	53.9	17.9	26.9#
92	28.9	10.5	15.7#



#35
Caprolactam
Concen: 0.39 ng
RT: 8.50 min Scan# 561
Delta R.T. -0.05 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion:	113	Resp:	1268
Ion	Ratio	Lower	Upper
113	100		
55	508.1	152.4	192.4#
56	326.8	104.6	144.6#

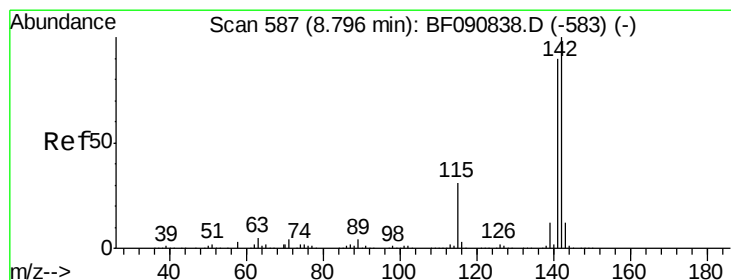
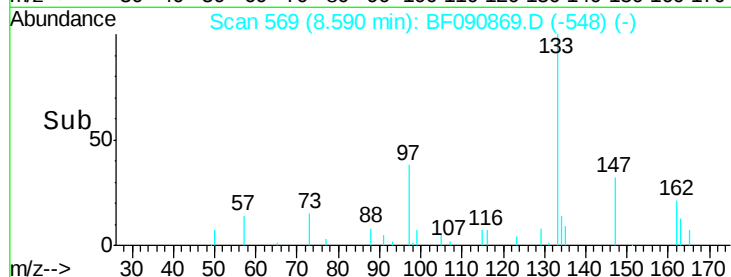
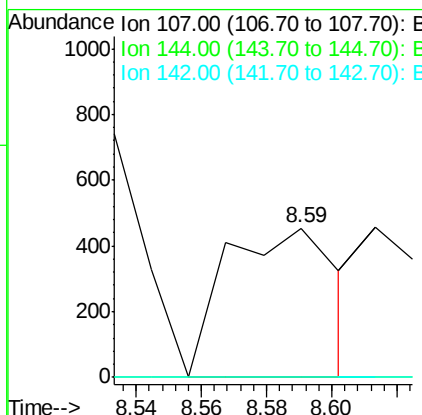
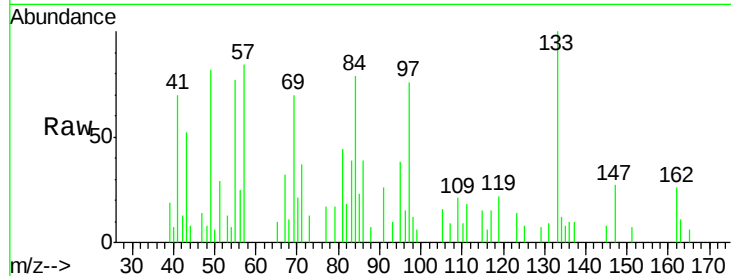




#36
 4-Chloro-3-methylphenol
 Concen: 0.09 ng
 RT: 8.59 min Scan# 569
 Delta R.T. -0.06 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

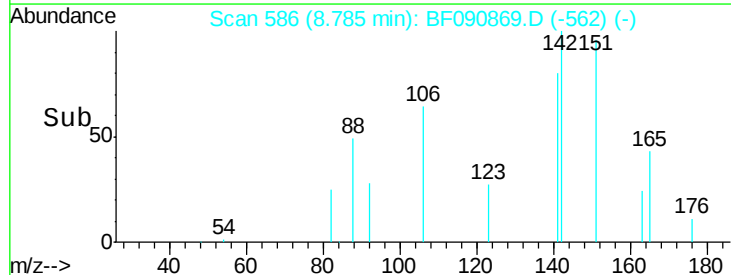
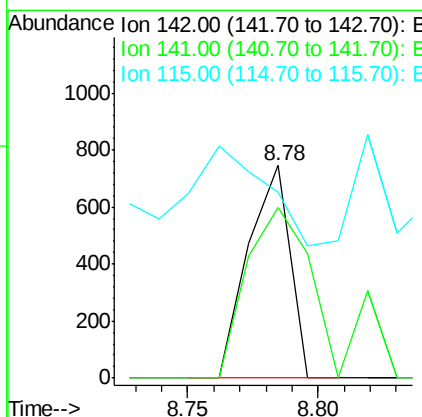
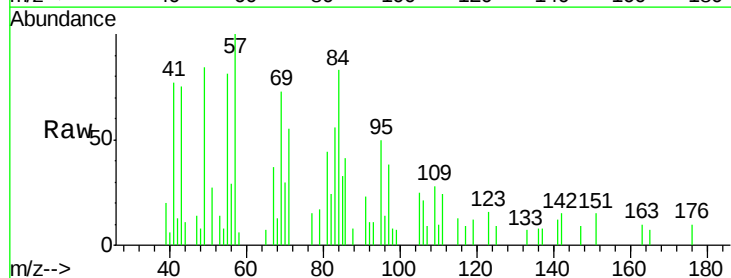
Instrument :
 BNA_F
 ClientSampleId :
 MW-104S

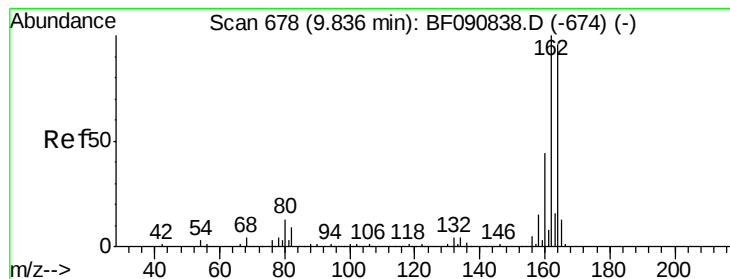
Tgt Ion:107 Resp: 1070
 Ion Ratio Lower Upper
 107 100
 144 0.0 25.4 38.0#
 142 0.0 77.3 115.9#



#37
 2-Methylnaphthalene
 Concen: 0.03 ng
 RT: 8.78 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

Tgt Ion:142 Resp: 836
 Ion Ratio Lower Upper
 142 100
 141 80.4 67.5 101.3
 115 87.4 18.2 27.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

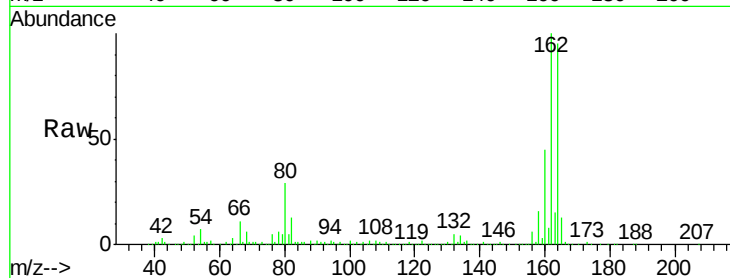
Tgt Ion:164 Resp: 421508

Ion Ratio Lower Upper

164 100

162 105.6 75.2 112.8

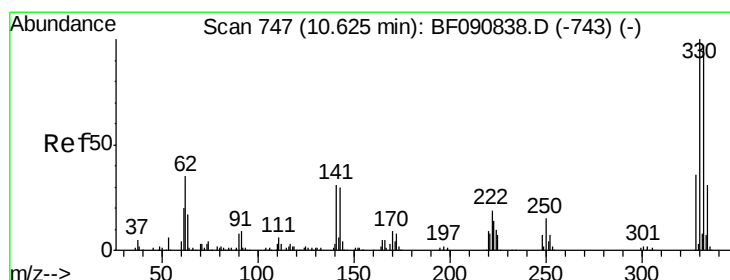
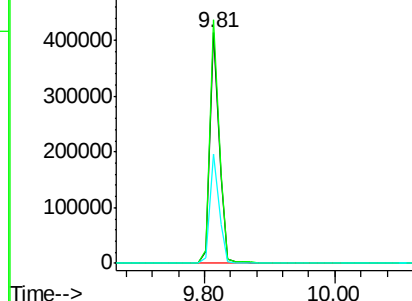
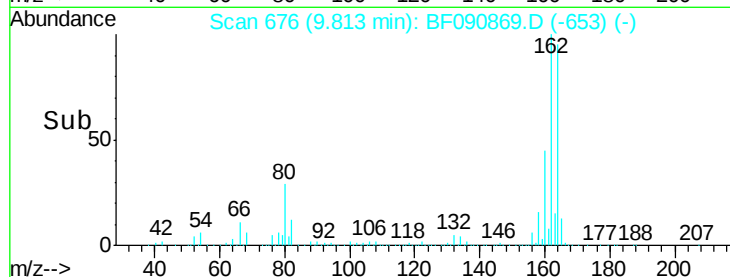
160 47.5 31.5 47.3#



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: 0.42 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

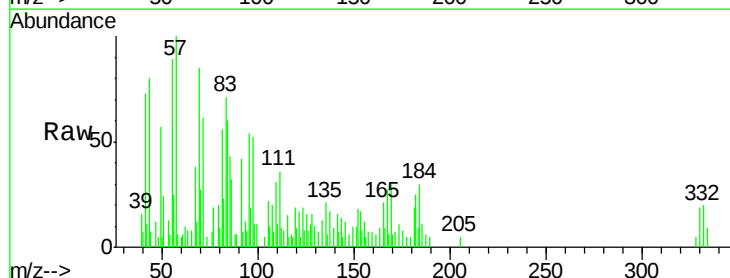
Tgt Ion:330 Resp: 1804

Ion Ratio Lower Upper

330 100

332 103.4 76.6 114.8

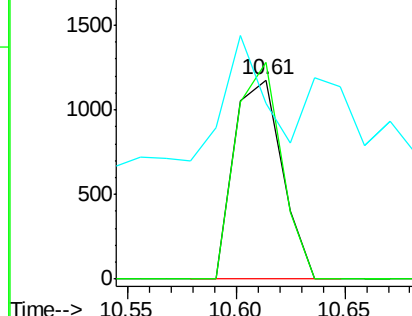
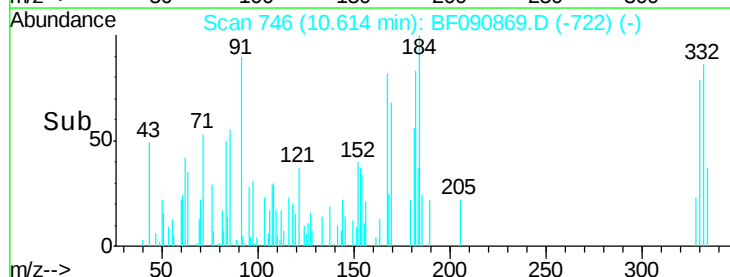
141 50.1 29.7 44.5#

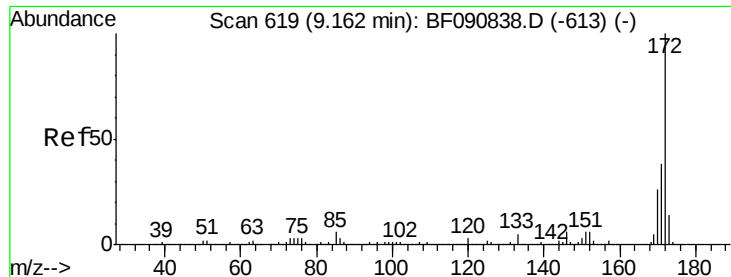


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 0.60 ng

RT: 9.14 min Scan# 617

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

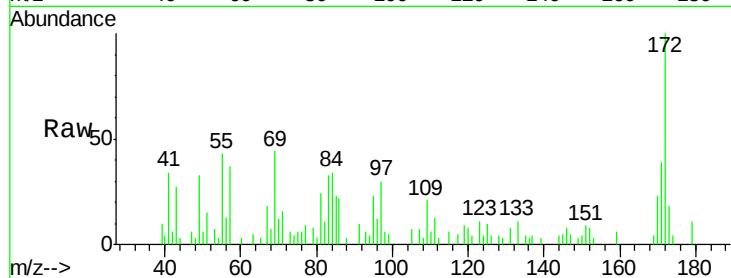
Tgt Ion:172 Resp: 14369

Ion Ratio Lower Upper

172 100

171 38.9 26.1 39.1

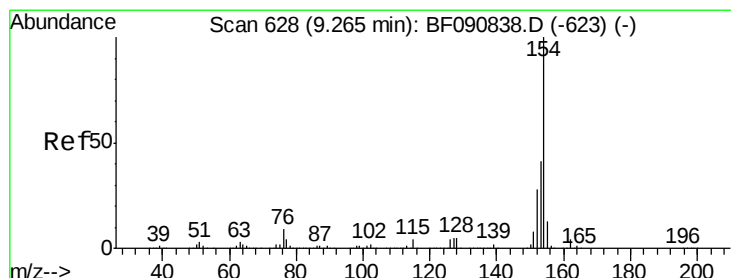
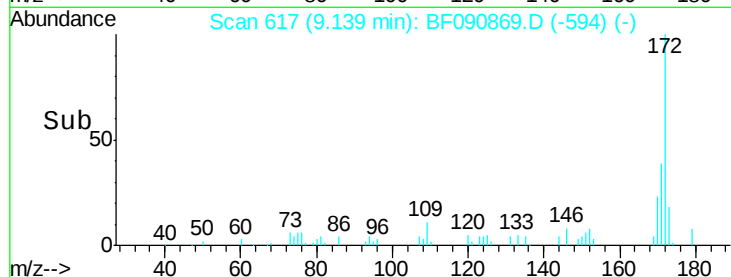
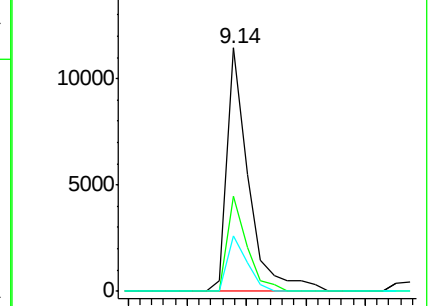
170 22.8 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 0.01 ng

RT: 9.24 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

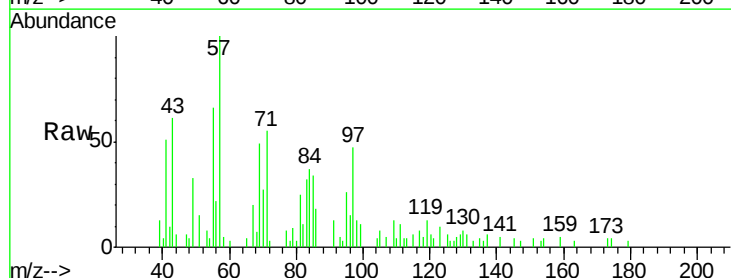
Tgt Ion:154 Resp: 271

Ion Ratio Lower Upper

154 100

153 77.5 17.1 57.1#

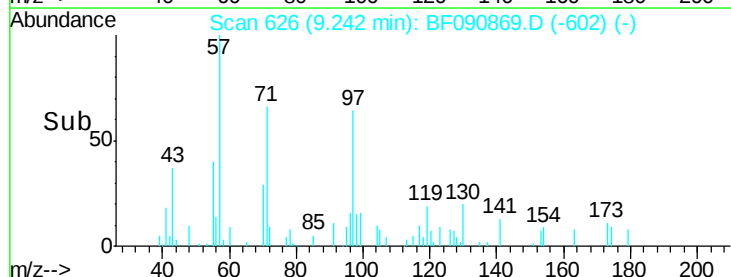
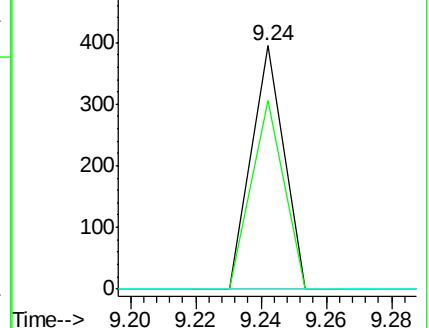
76 0.0 0.0 31.6

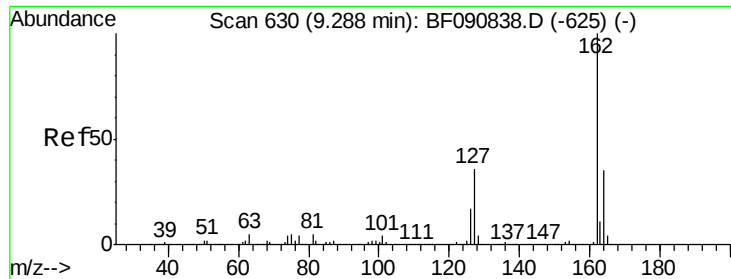


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

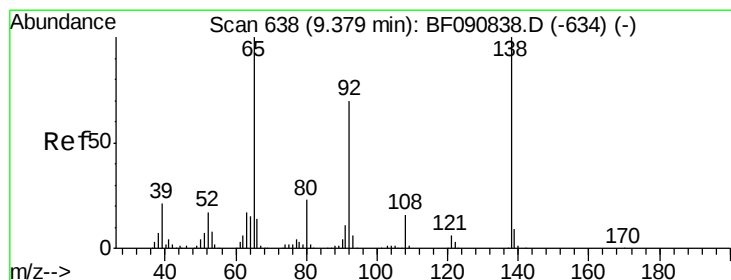
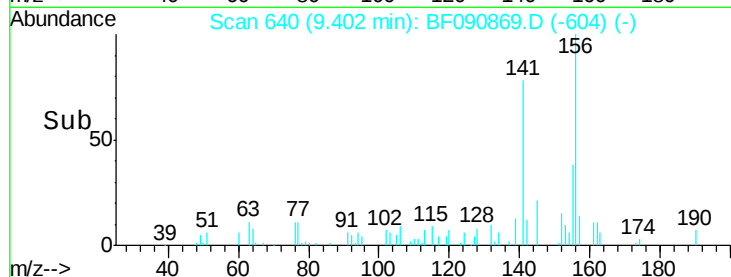
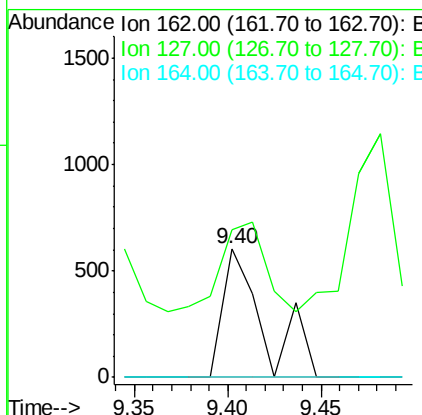
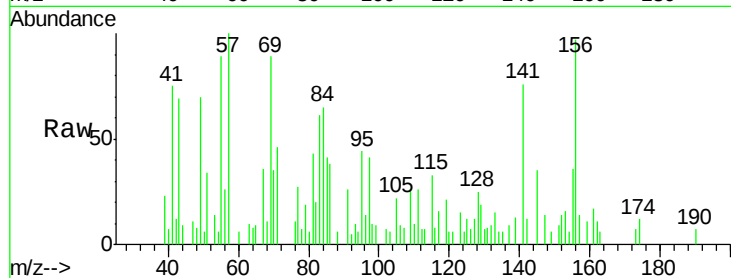




#46
2-Chloronaphthalene
Concen: 0.04 ng
RT: 9.40 min Scan# 640
Delta R.T. 0.11 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

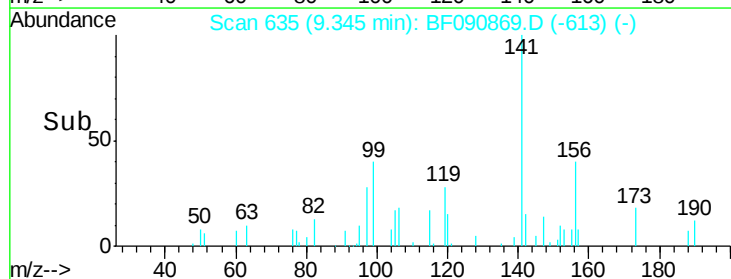
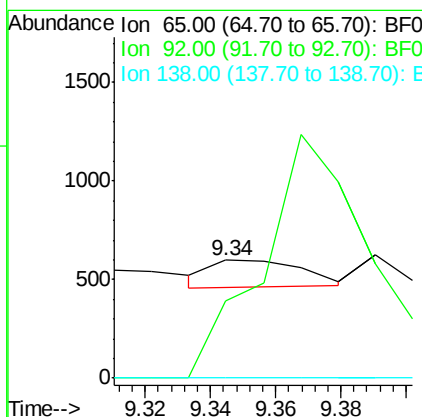
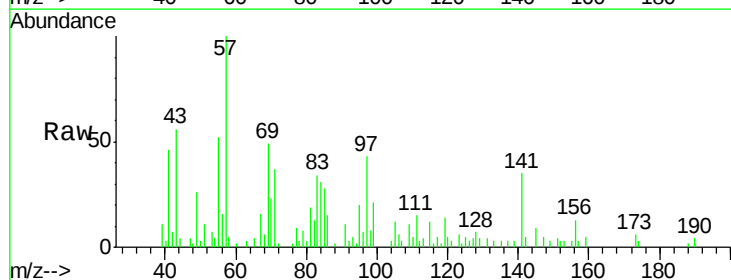
Instrument :
BNA_F
ClientSampleId :
MW-104S

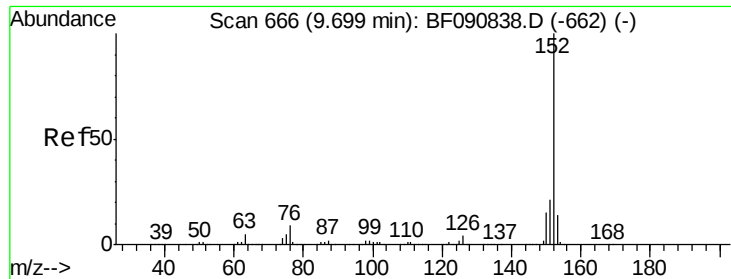
Tgt Ion: 162 Resp: 927
Ion Ratio Lower Upper
162 100
127 114.4 27.6 41.4#
164 0.0 25.4 38.2#



#47
2-Nitroaniline
Concen: 0.04 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.05 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion: 65 Resp: 256
Ion Ratio Lower Upper
65 100
92 65.2 55.4 83.0
138 0.0 115.5 173.3#





#48

Acenaphthylene

Concen: 0.08 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

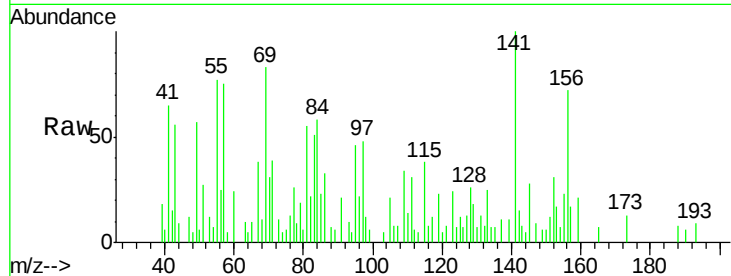
Tgt Ion:152 Resp: 2721

Ion Ratio Lower Upper

152 100

151 40.5 14.6 22.0#

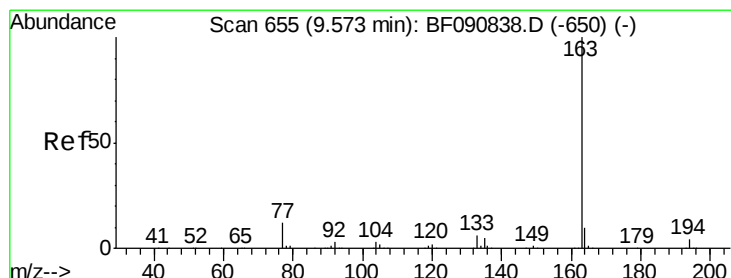
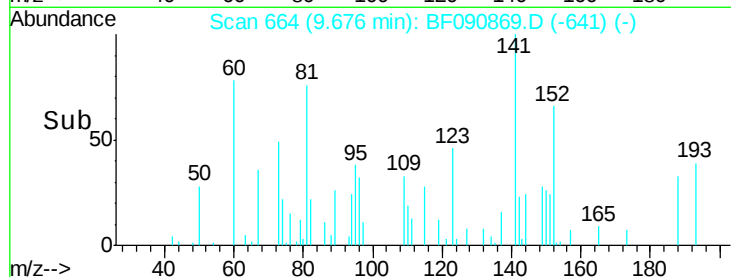
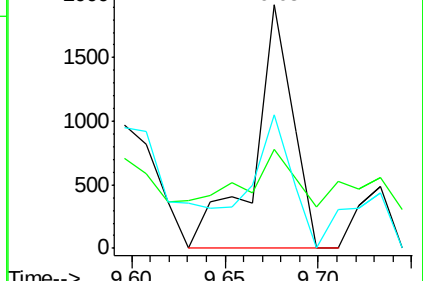
153 54.9 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.07 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

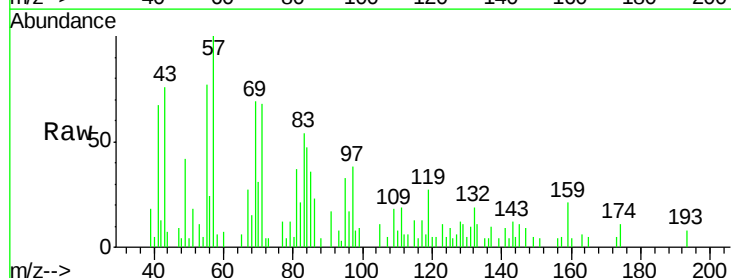
Tgt Ion:163 Resp: 1994

Ion Ratio Lower Upper

163 100

194 0.0 4.4 6.6#

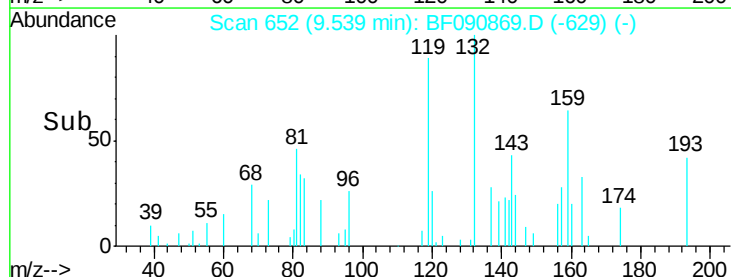
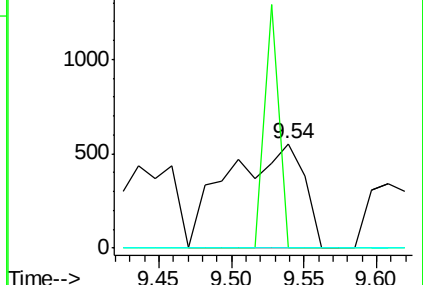
164 0.0 8.3 12.5#

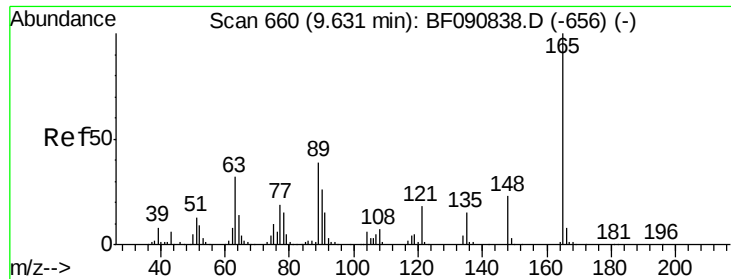


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

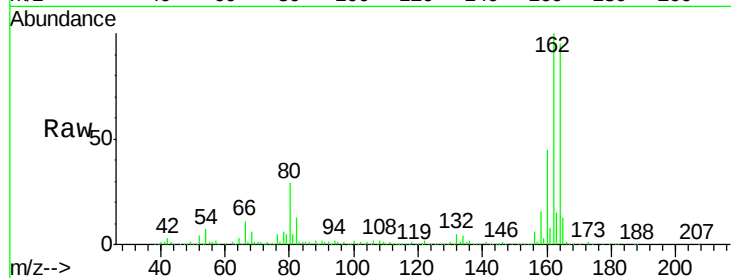




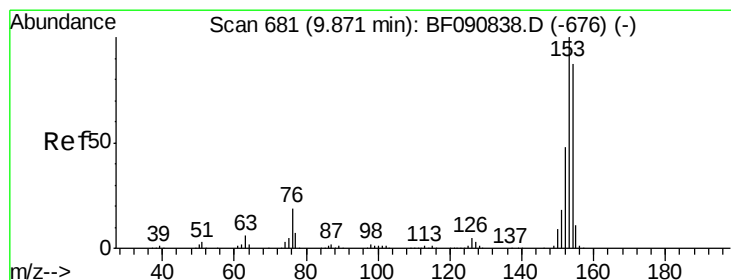
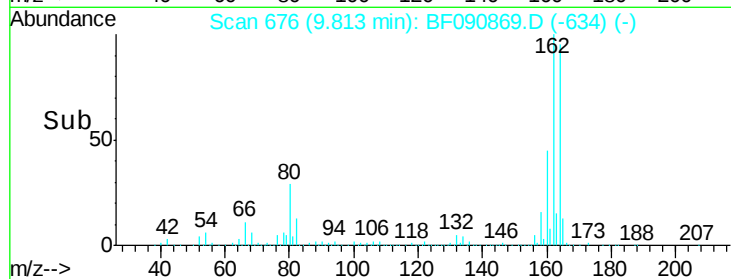
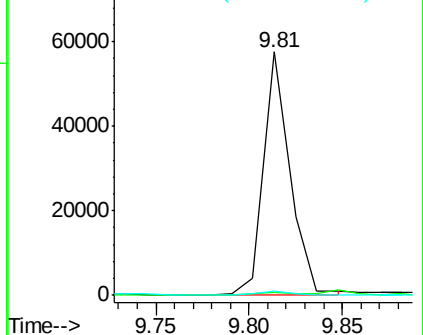
#50
 2,6-Dinitrotoluene
 Concen: 9.13 ng
 RT: 9.81 min Scan# 676
 Delta R.T. 0.18 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

Instrument :
 BNA_F
 ClientSampleId :
 MW-104S

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.3	48.5#
89	1.7	28.6	43.0#

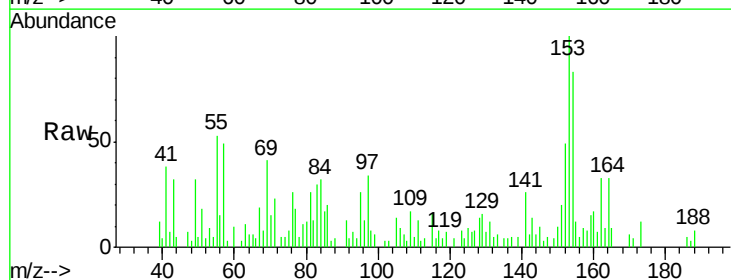


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

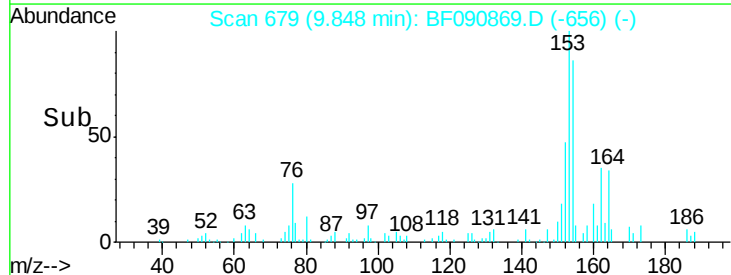
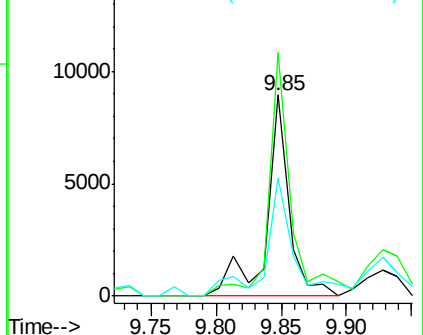


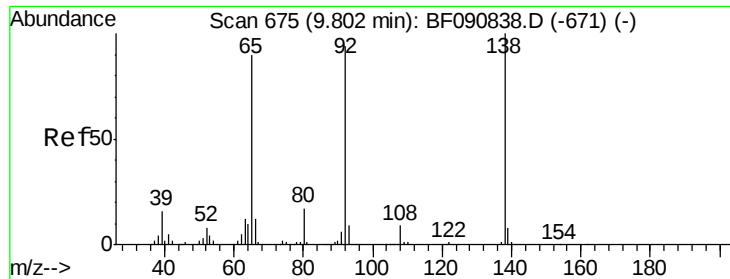
#51
 Acenaphthene
 Concen: 0.46 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.03 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.0	82.1	123.1
152	59.0	37.9	56.9#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

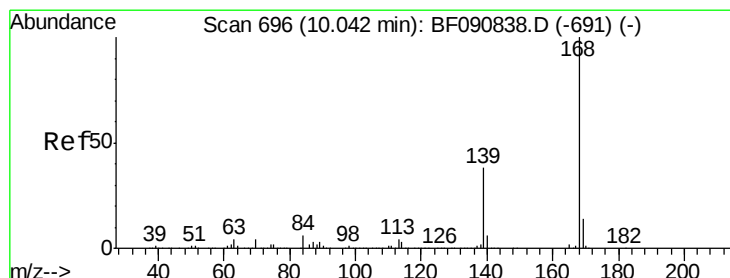
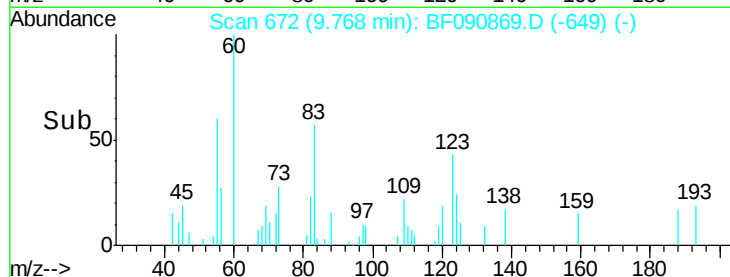
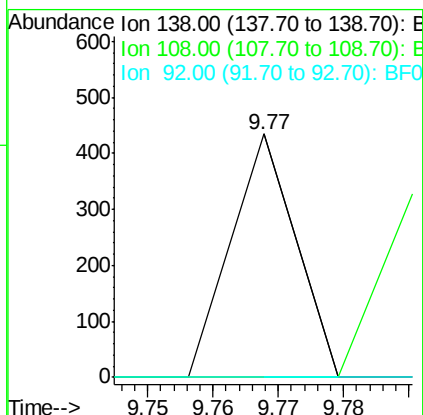
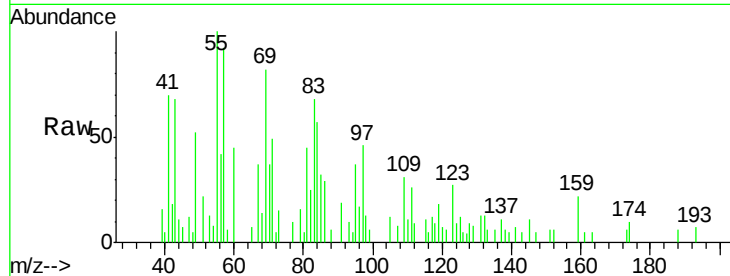




#52
3-Nitroaniline
Concen: 0.05 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

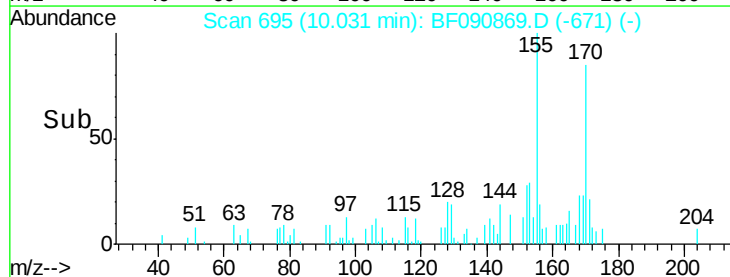
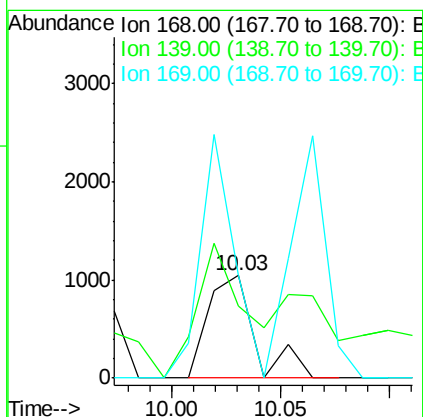
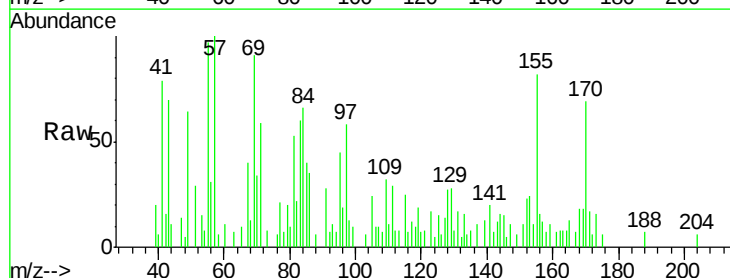
Instrument :
BNA_F
ClientSampleId :
MW-104S

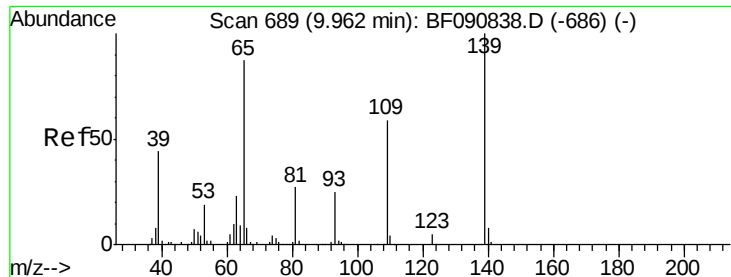
Tgt Ion:138 Resp: 298
Ion Ratio Lower Upper
138 100
108 0.0 5.7 8.5#
92 0.0 67.7 101.5#



#54
Dibenzofuran
Concen: 0.05 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion:168 Resp: 1569
Ion Ratio Lower Upper
168 100
139 69.8 24.2 36.2#
169 100.3 10.6 15.8#





#55

4-Nitrophenol

Concen: 0.78 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.05 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampled :

MW-104S

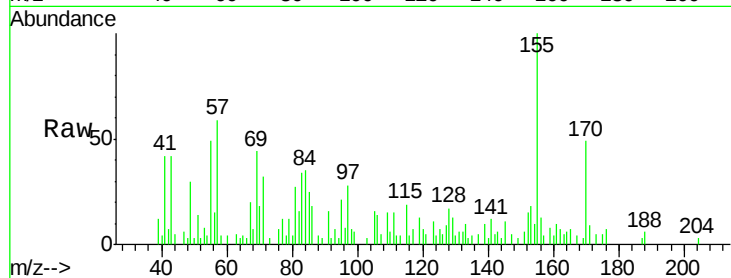
Tgt Ion:139 Resp: 3167

Ion Ratio Lower Upper

139 100

109 144.9 12.7 52.7#

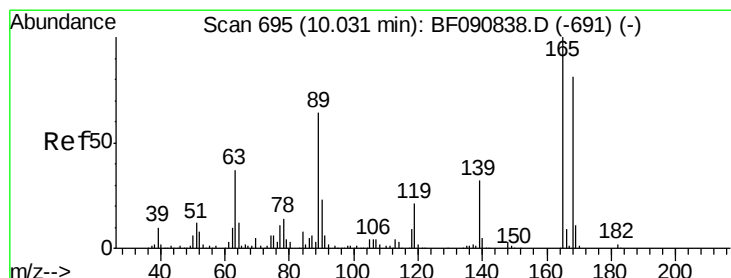
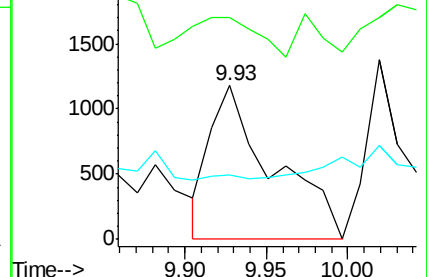
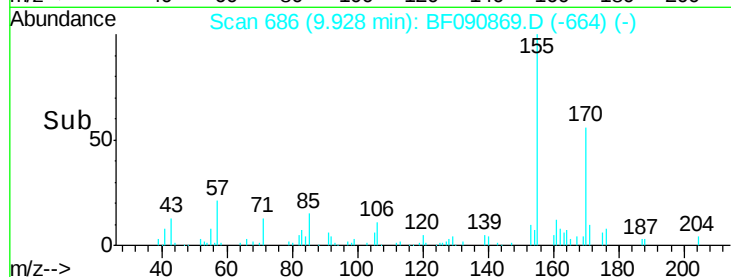
65 42.0 45.9 85.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.47 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.23 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Tgt Ion:165 Resp: 57725

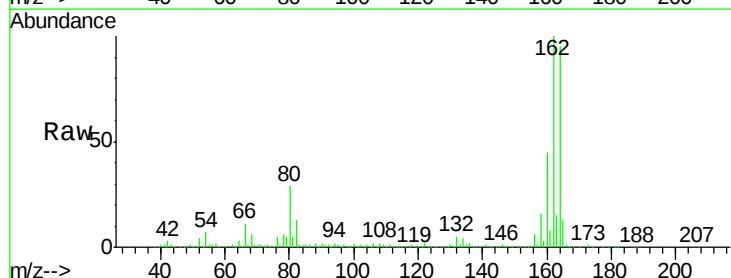
Ion Ratio Lower Upper

165 100

63 1.4 29.8 44.6#

89 1.7 44.5 66.7#

182 1.5 3.0 4.4#

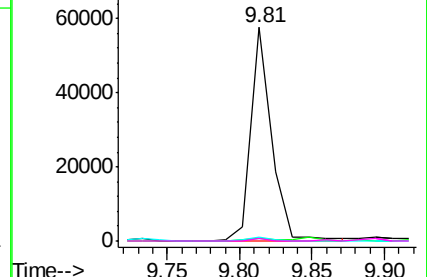
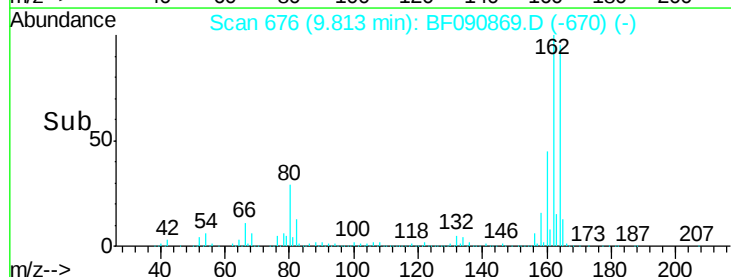


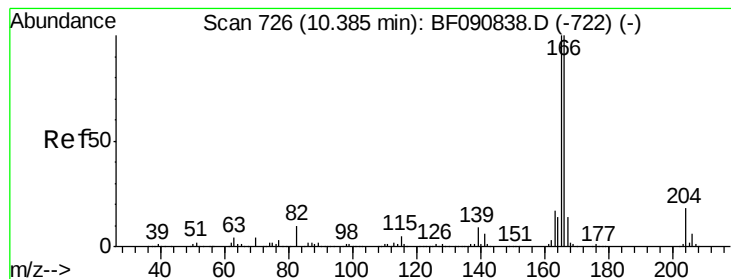
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 0.18 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampled :

MW-104S

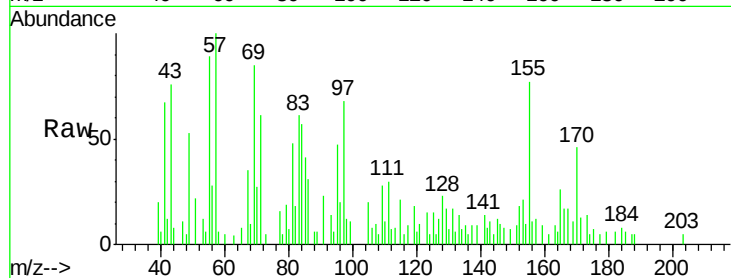
Tgt Ion:166 Resp: 4646

Ion Ratio Lower Upper

166 100

165 150.2 72.6 109.0#

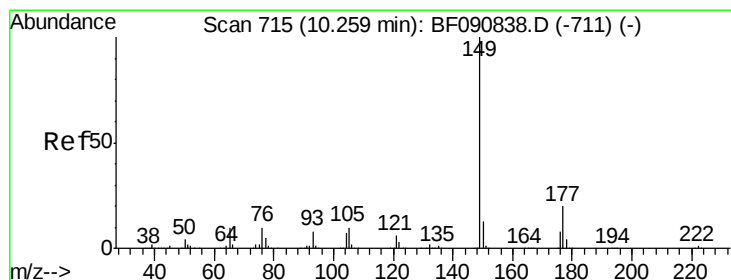
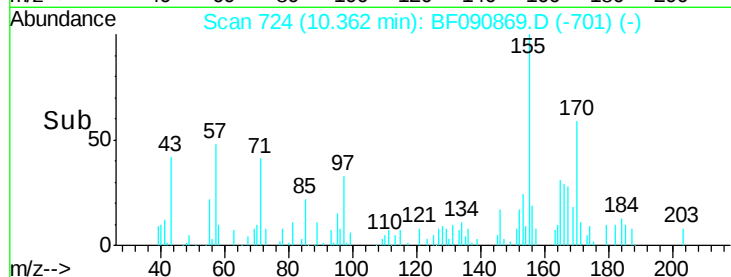
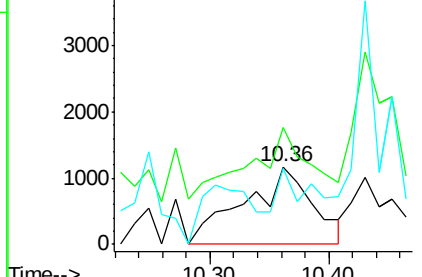
167 98.3 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.02 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

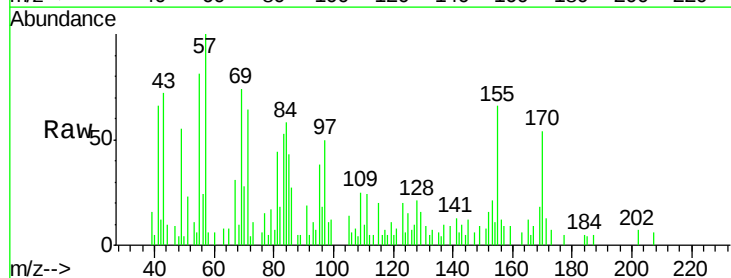
Tgt Ion:149 Resp: 477

Ion Ratio Lower Upper

149 100

177 50.8 17.5 26.3#

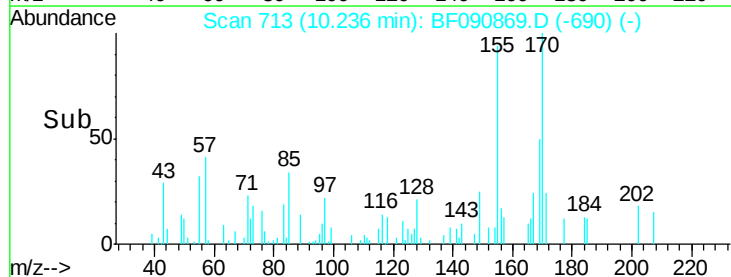
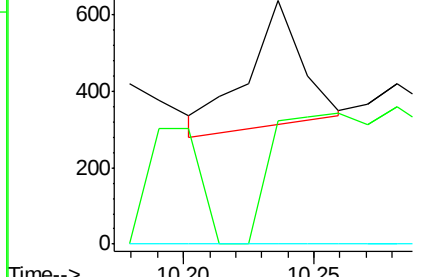
150 0.0 9.4 14.2#

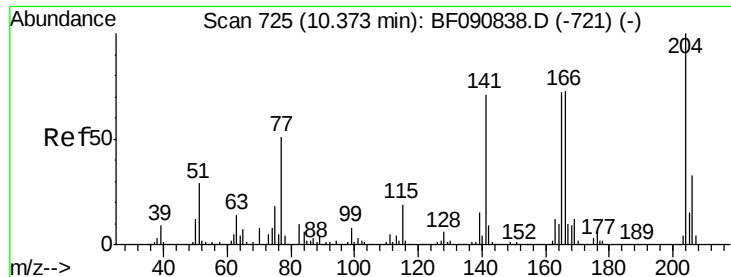


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

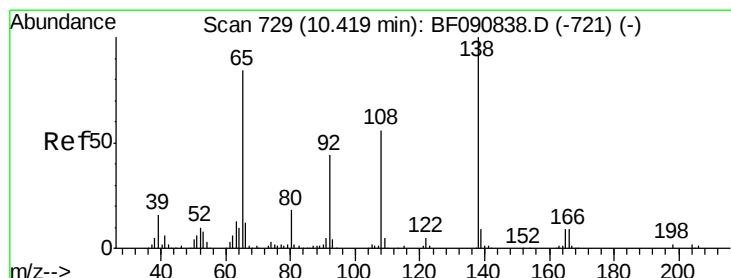
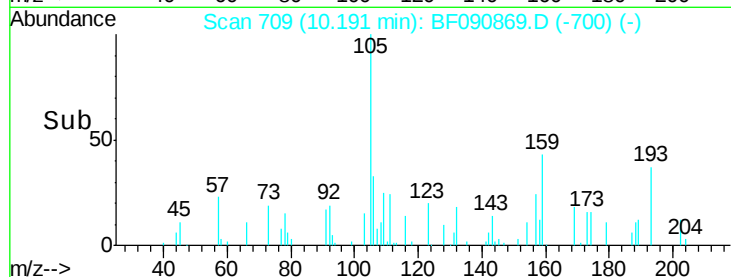
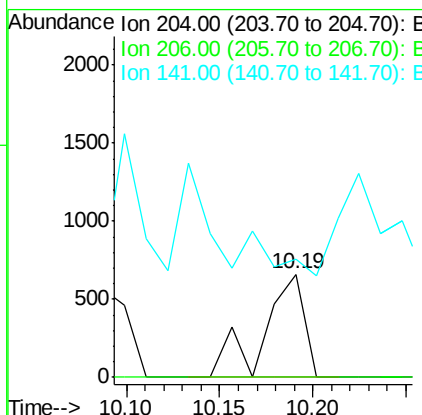
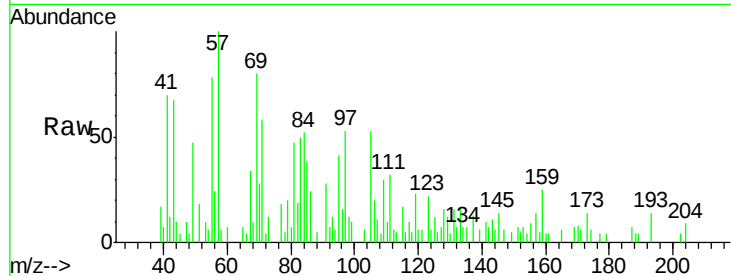




#60
 4-Chlorophenyl-phenylether
 Concen: 0.08 ng
 RT: 10.19 min Scan# 709
 Delta R.T. -0.19 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

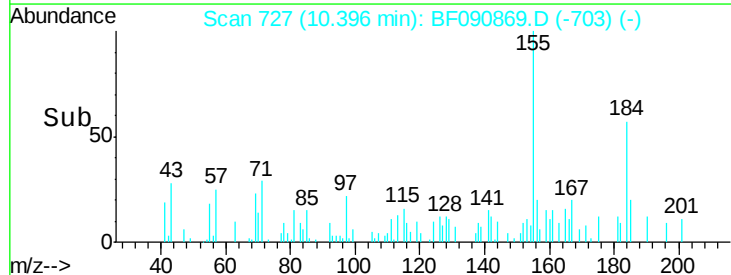
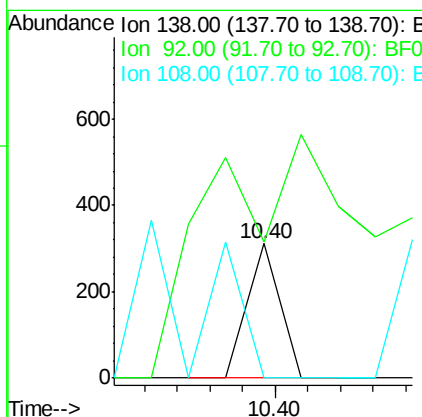
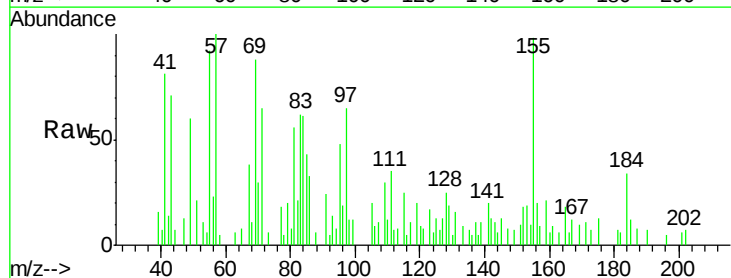
Instrument :
 BNA_F
 ClientSampleId :
 MW-104S

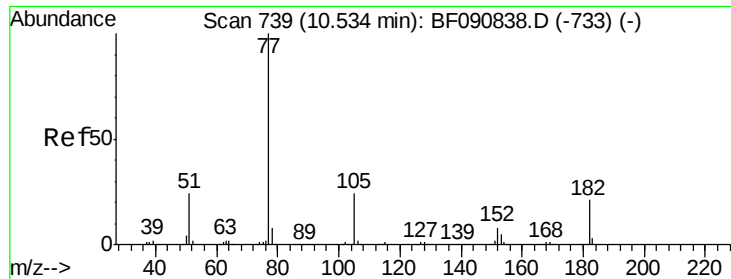
Tgt Ion:204 Resp: 996
 Ion Ratio Lower Upper
 204 100
 206 0.0 24.8 37.2#
 141 114.8 42.2 63.4#



#61
 4-Nitroaniline
 Concen: 0.03 ng
 RT: 10.40 min Scan# 727
 Delta R.T. -0.02 min
 Lab File: BF090869.D
 Acq: 27 Oct 2016 12:58

Tgt Ion:138 Resp: 214
 Ion Ratio Lower Upper
 138 100
 92 100.6 12.6 52.6#
 108 0.0 12.4 52.4#





#62

Azobenzene

Concen: 0.04 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

Tgt Ion: 77 Resp: 986

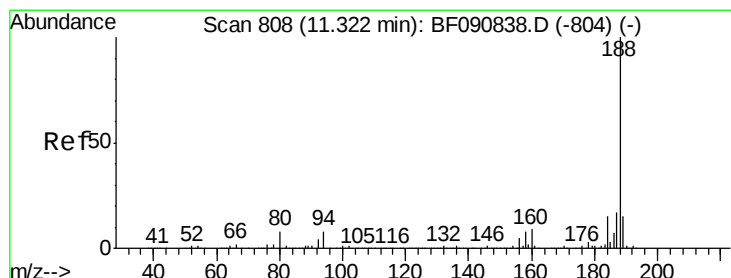
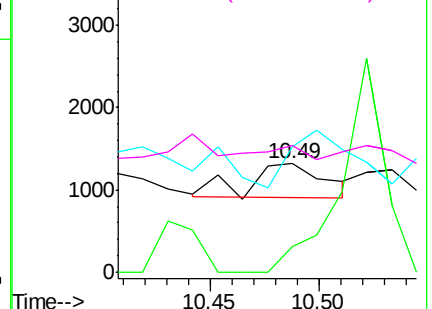
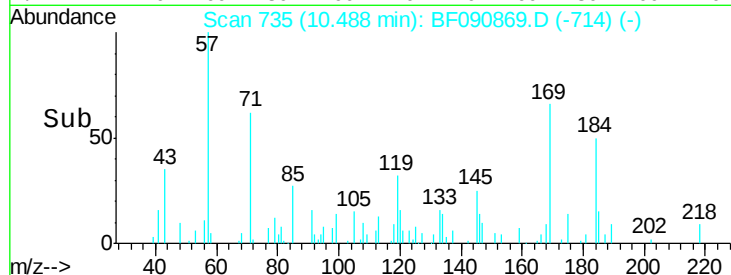
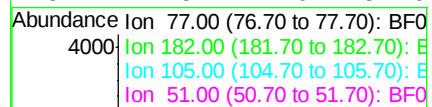
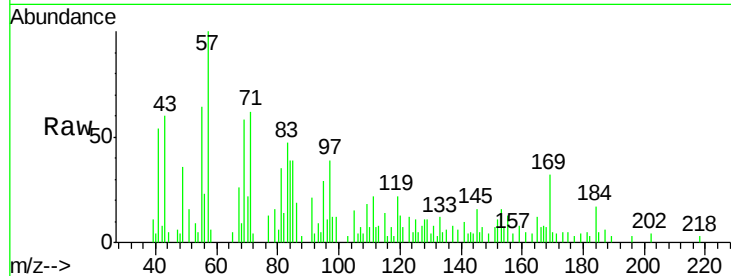
Ion Ratio Lower Upper

77 100

182 23.1 15.1 55.1

105 115.7 3.4 43.4#

51 117.5 12.0 52.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

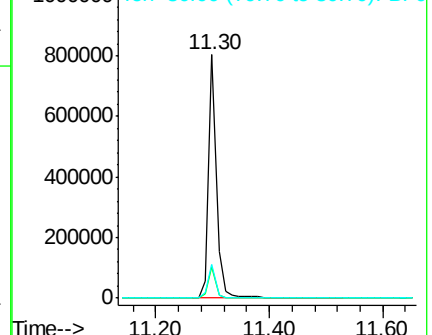
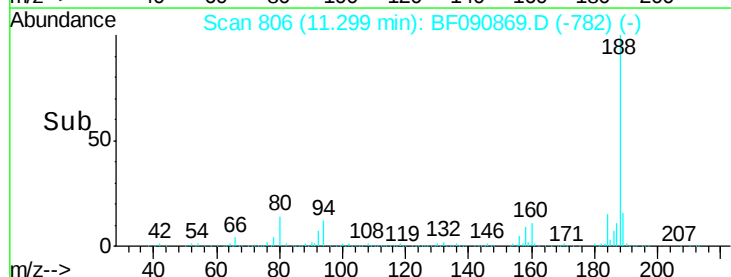
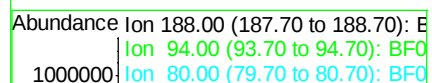
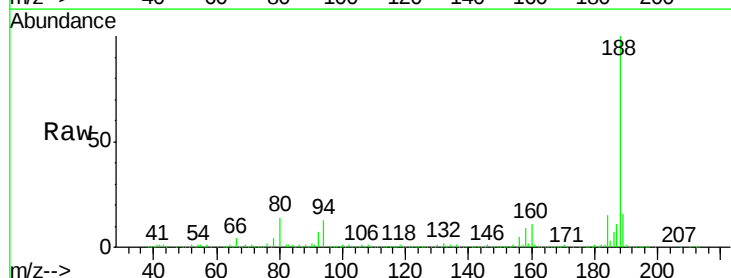
Tgt Ion: 188 Resp: 749872

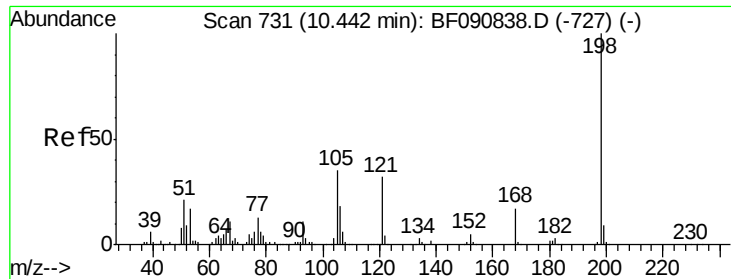
Ion Ratio Lower Upper

188 100

94 12.6 11.1 16.7

80 14.1 11.0 16.4





#64

4,6-Dinitro-2-methylphenol

Concen: 0.15 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.19 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

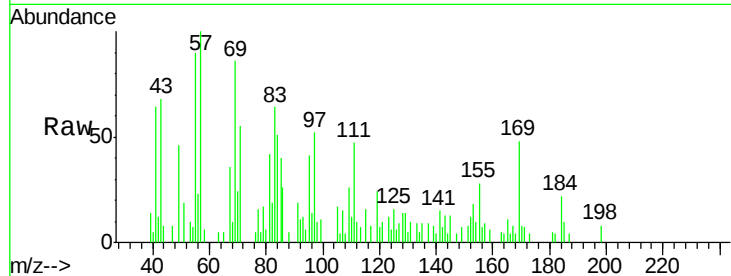
Tgt Ion:198 Resp: 739

Ion Ratio Lower Upper

198 100

51 234.9 39.6 79.6#

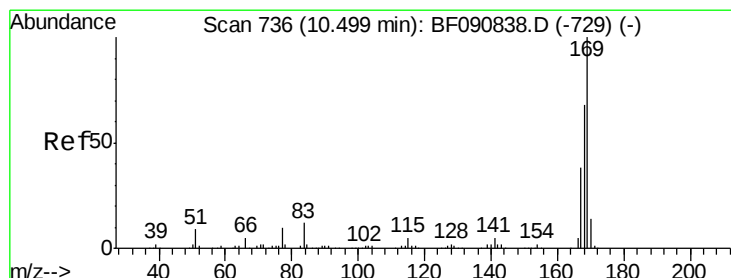
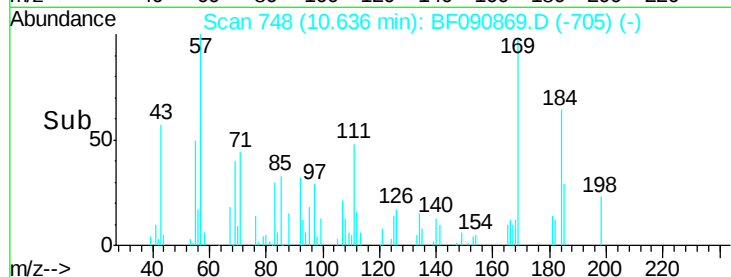
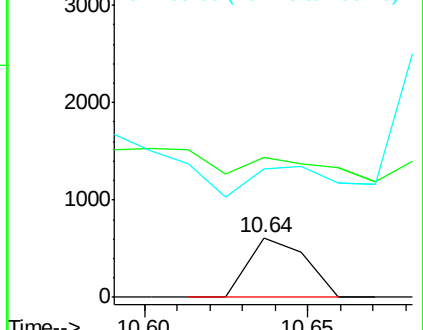
105 215.7 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.32 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

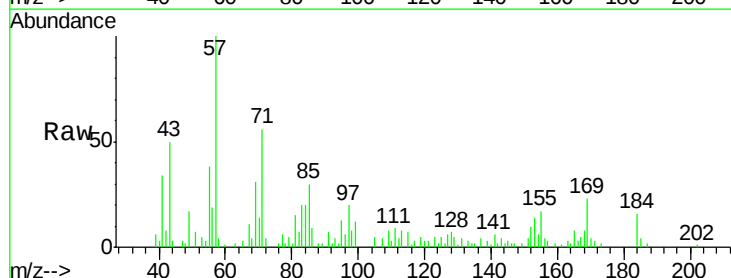
Tgt Ion:169 Resp: 7442

Ion Ratio Lower Upper

169 100

168 34.2 48.9 73.3#

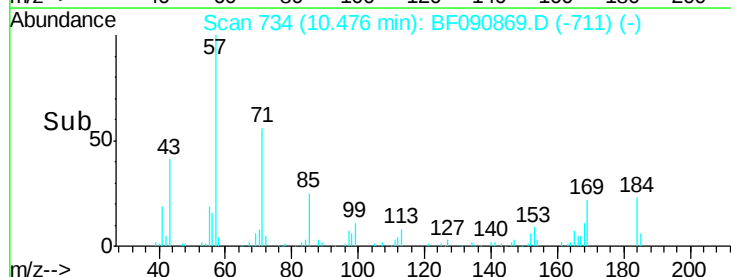
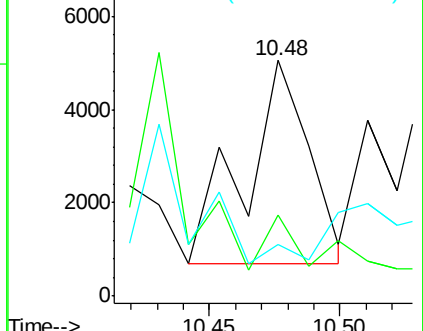
167 21.7 26.2 39.4#

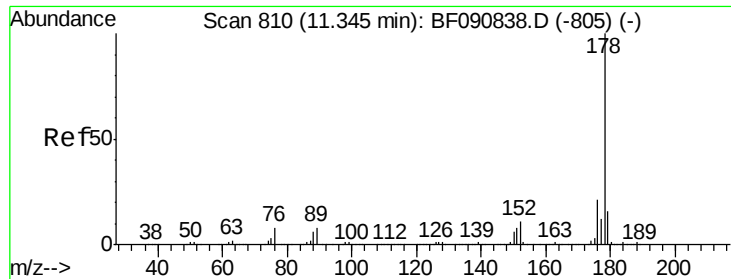


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

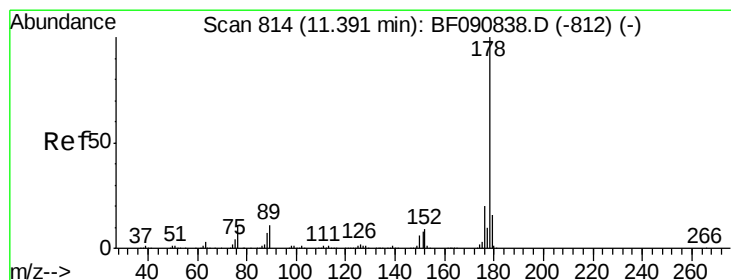
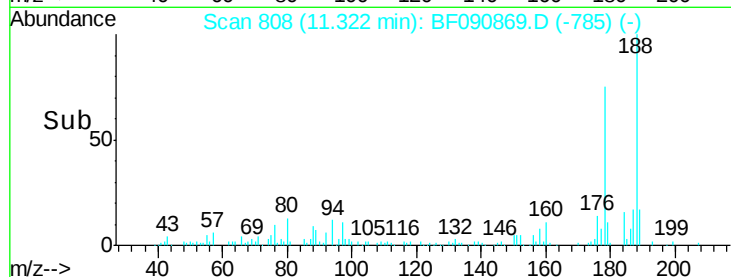
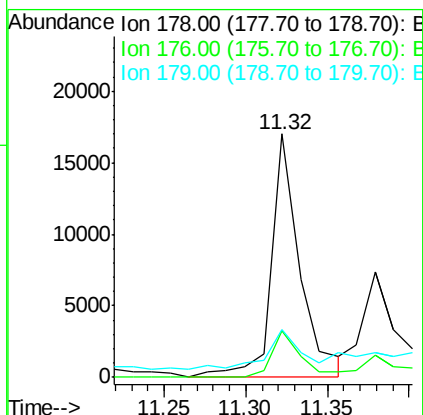
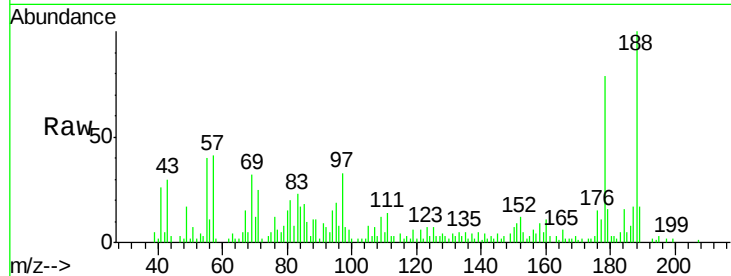




#70
Phenanthrene
Concen: 0.55 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

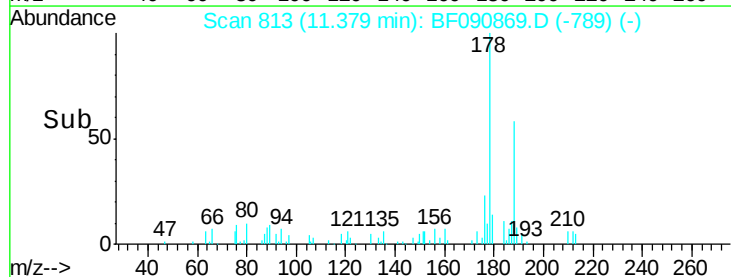
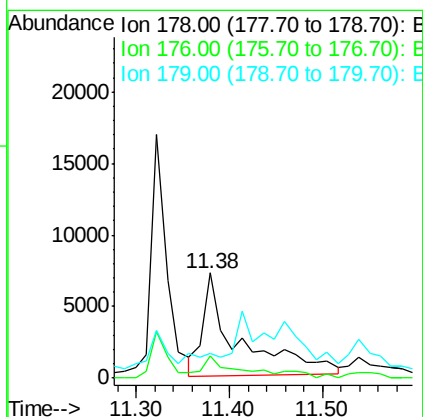
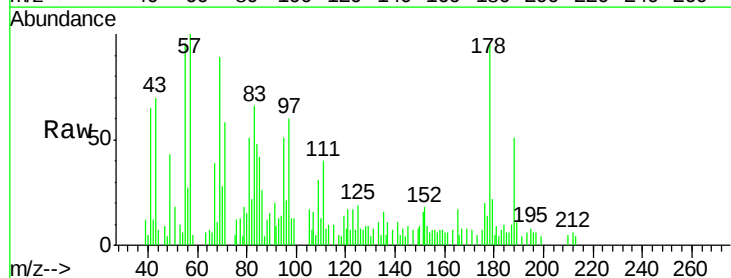
Instrument :
BNA_F
ClientSampleId :
MW-104S

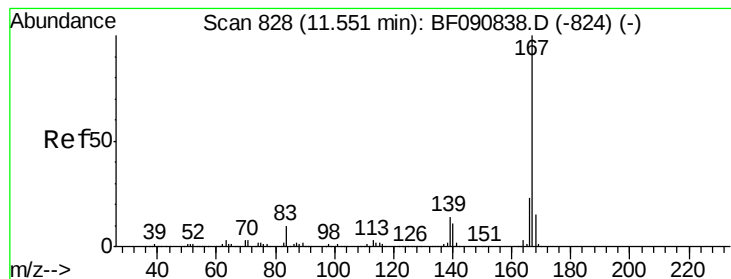
Tgt Ion:178 Resp: 20913
Ion Ratio Lower Upper
178 100
176 19.3 13.8 20.8
179 19.9 12.2 18.2#



#71
Anthracene
Concen: 0.48 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion:178 Resp: 19141
Ion Ratio Lower Upper
178 100
176 21.2 14.1 21.1#
179 23.1 12.2 18.2#





#72

Carbazole

Concen: 0.01 ng

RT: 11.51 min Scan# 824

Delta R.T. -0.06 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

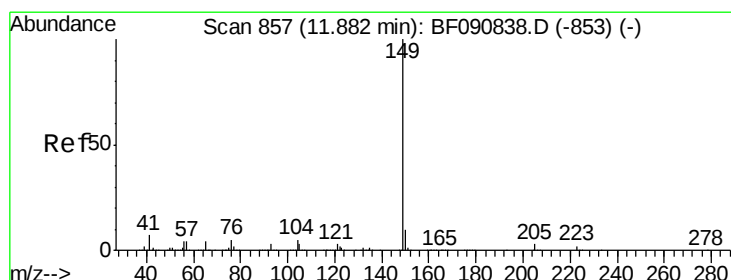
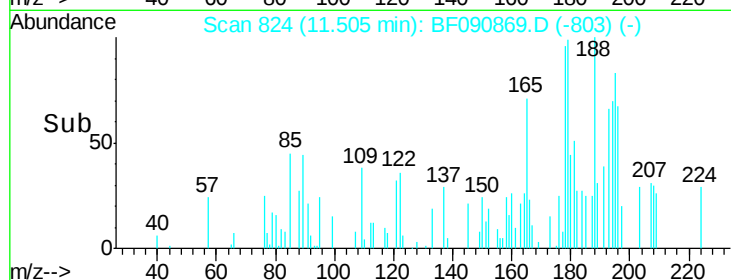
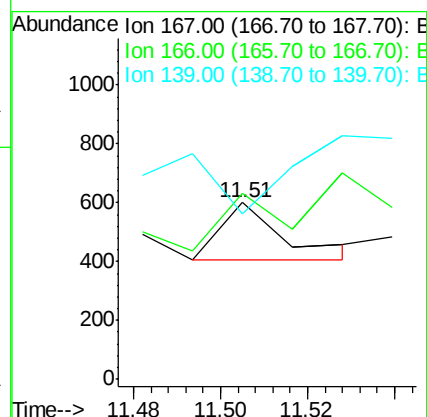
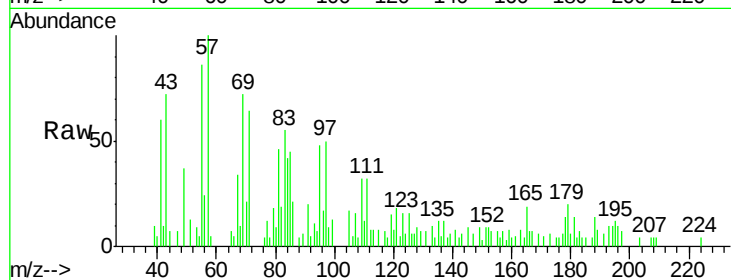
Tgt Ion:167 Resp: 200

Ion Ratio Lower Upper

167 100

166 104.8 15.7 23.5#

139 93.7 9.5 14.3#



#73

Di-n-butylphthalate

Concen: 0.07 ng

RT: 11.87 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

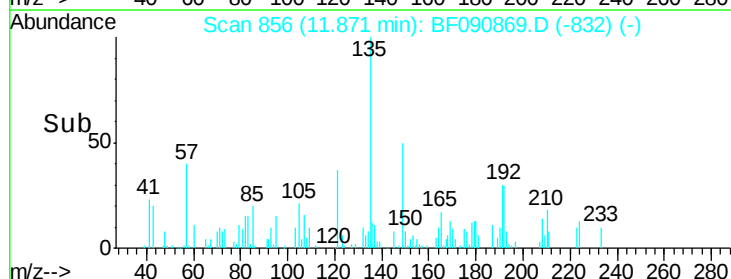
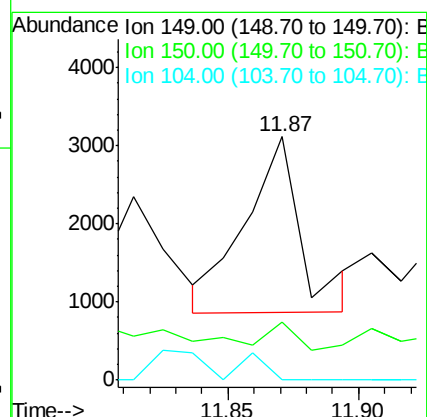
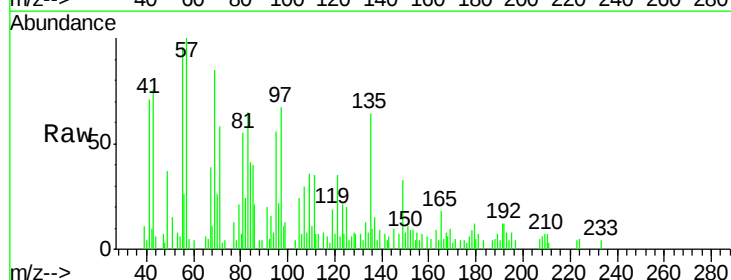
Tgt Ion:149 Resp: 3419

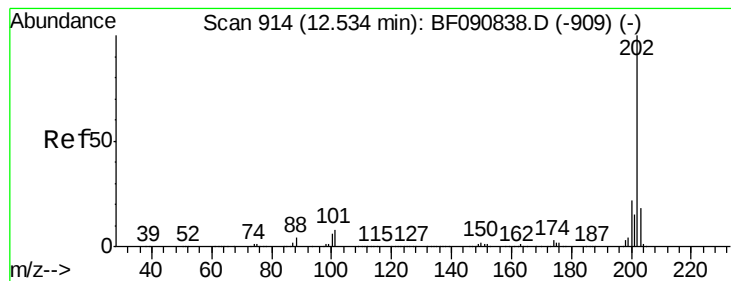
Ion Ratio Lower Upper

149 100

150 23.6 7.4 11.2#

104 0.0 2.4 3.6#





#74

Fluoranthene

Concen: 0.42 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

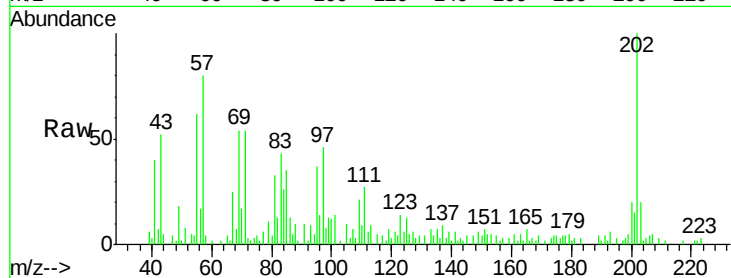
Tgt Ion:202 Resp: 17363

Ion Ratio Lower Upper

202 100

101 14.3 0.0 38.3

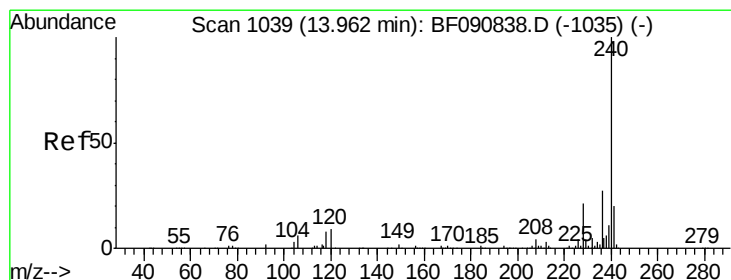
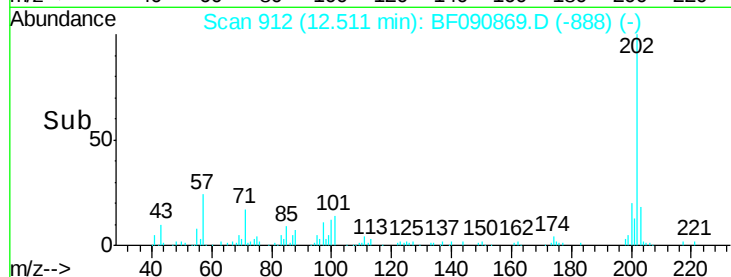
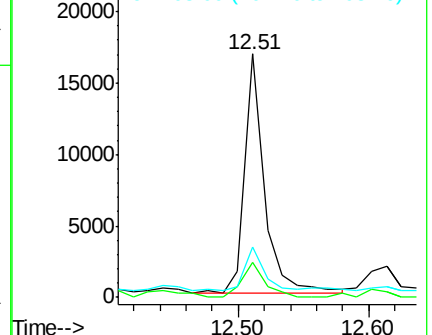
203 20.4 0.0 37.3



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: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

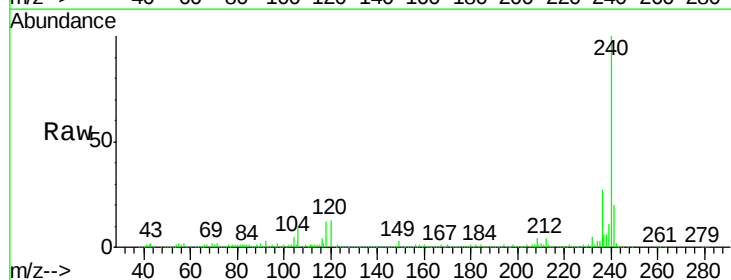
Tgt Ion:240 Resp: 682341

Ion Ratio Lower Upper

240 100

120 12.6 16.2 24.2#

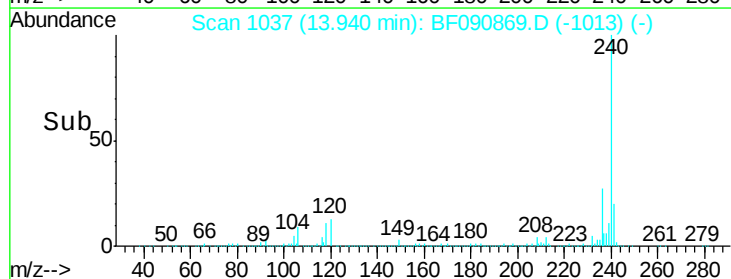
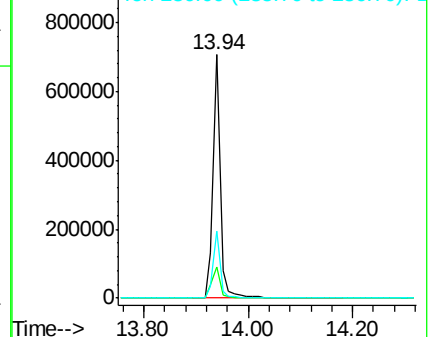
236 27.5 18.4 27.6

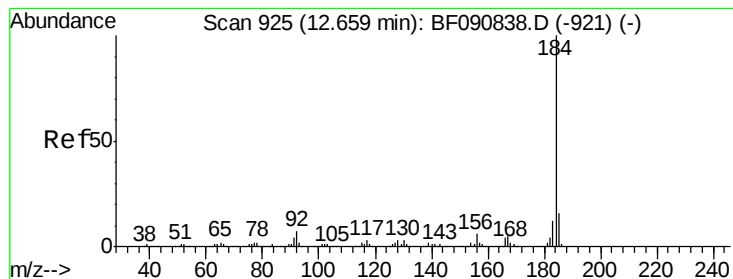


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.03 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.06 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

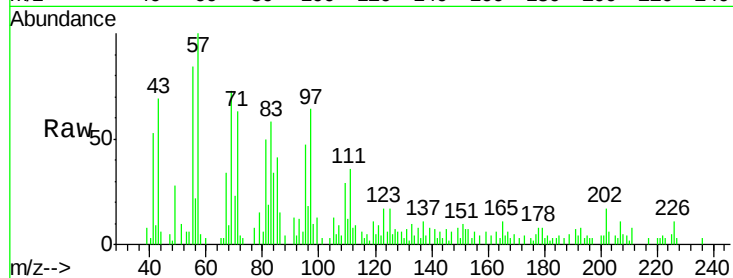
Tgt Ion:184 Resp: 440

Ion Ratio Lower Upper

184 100

185 139.6 11.8 17.6#

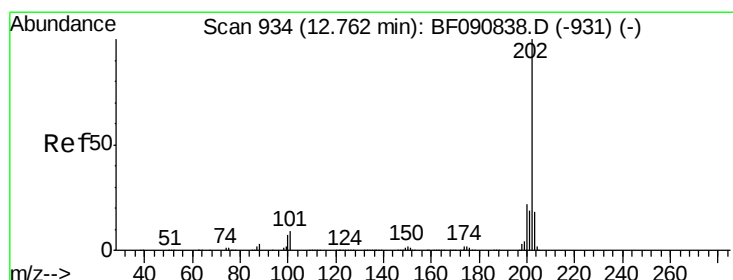
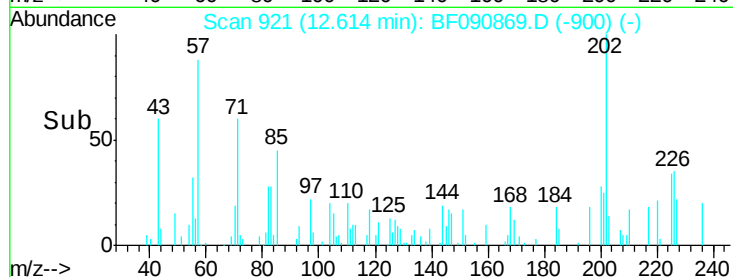
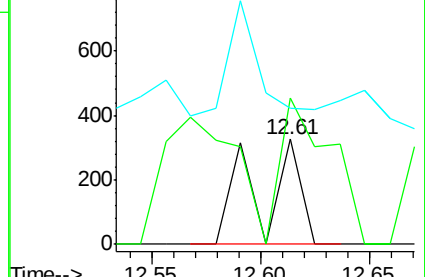
183 129.8 7.6 11.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.66 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

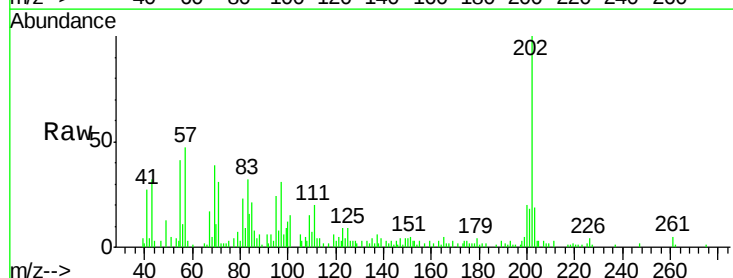
Tgt Ion:202 Resp: 28601

Ion Ratio Lower Upper

202 100

200 19.9 15.0 22.4

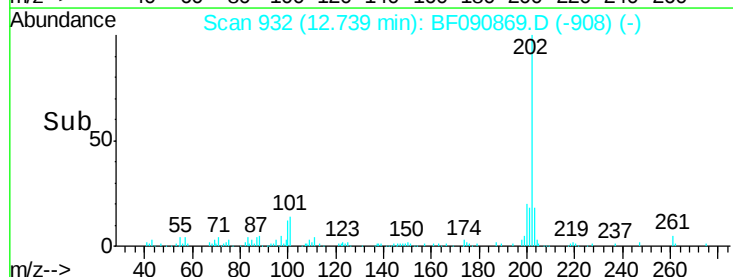
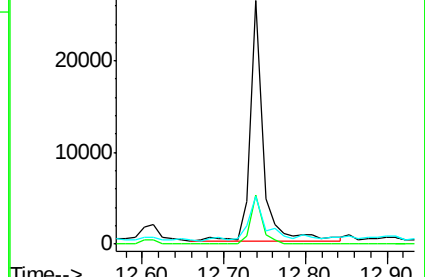
203 19.5 14.1 21.1

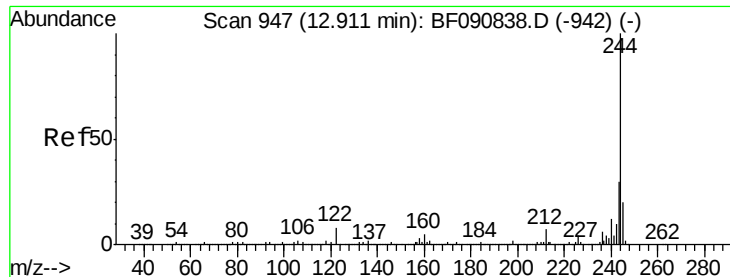


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.57 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

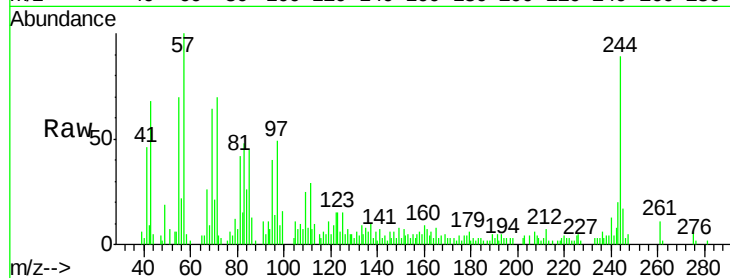
Tgt Ion:244 Resp: 15421

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

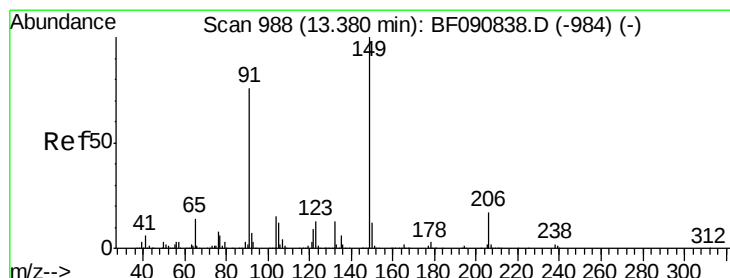
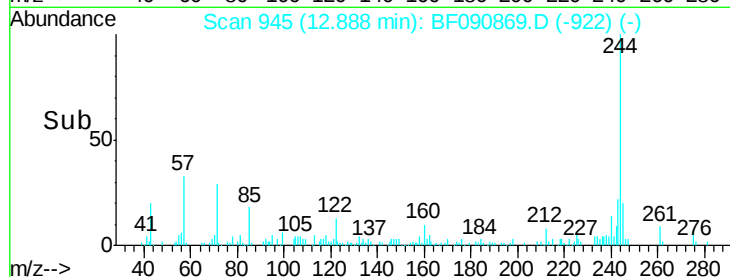
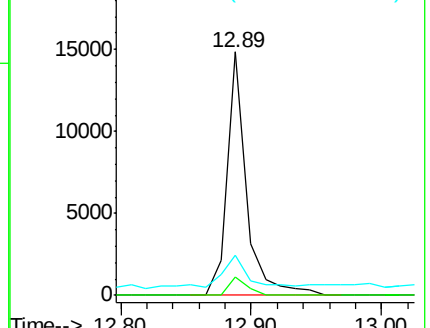
122 16.6 17.4 26.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.04 ng

RT: 13.37 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

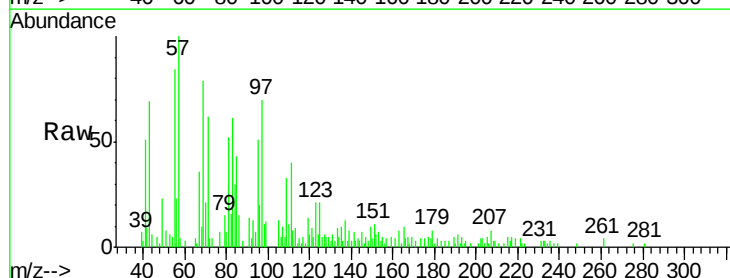
Tgt Ion:149 Resp: 836

Ion Ratio Lower Upper

149 100

91 137.6 48.6 72.8#

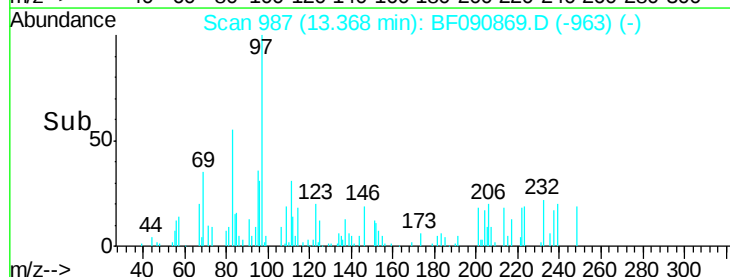
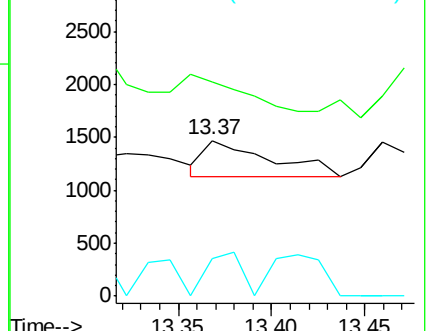
206 23.9 14.9 22.3#

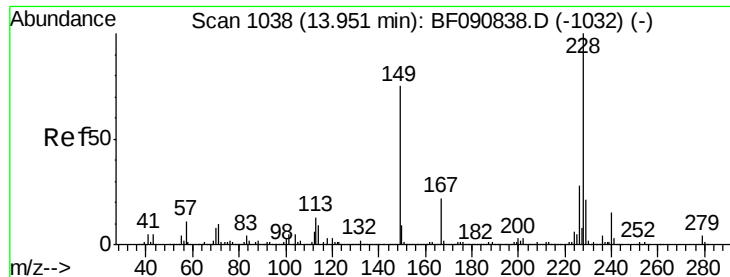


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.45 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

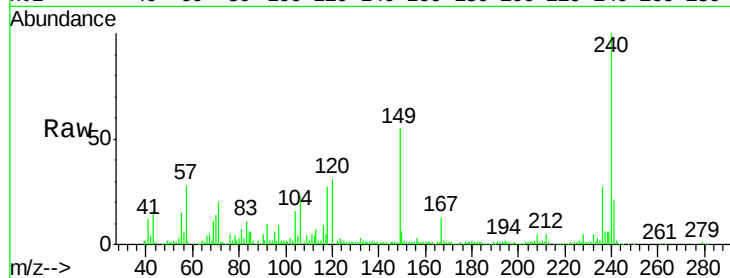
Tgt Ion:228 Resp: 16243

Ion Ratio Lower Upper

228 100

226 39.2 20.0 30.0#

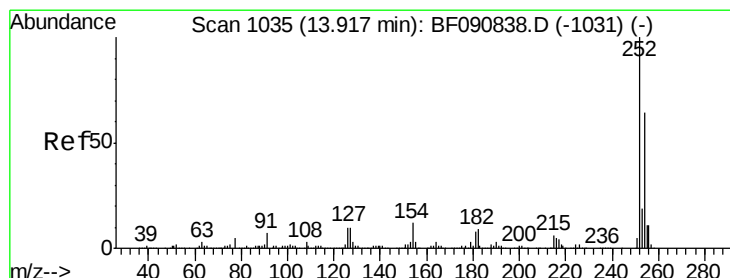
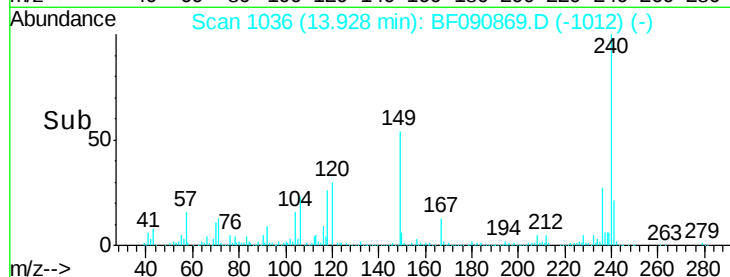
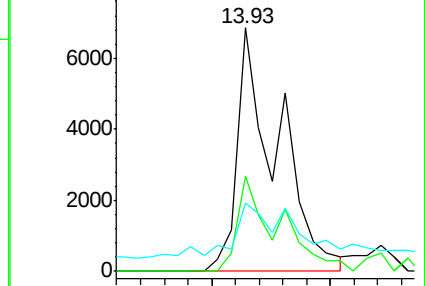
229 27.9 15.4 23.2#



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



#81

3,3'-Dichlorobenzidine

Concen: 0.04 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.06 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

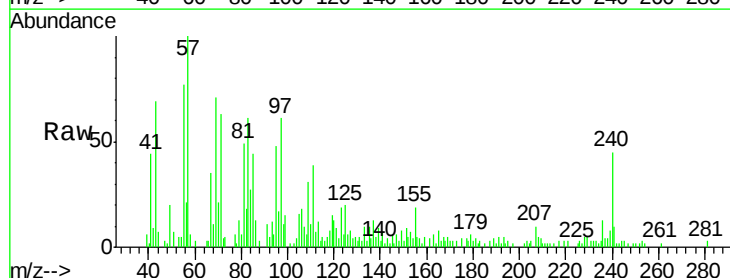
Tgt Ion:252 Resp: 536

Ion Ratio Lower Upper

252 100

254 89.4 51.4 77.2#

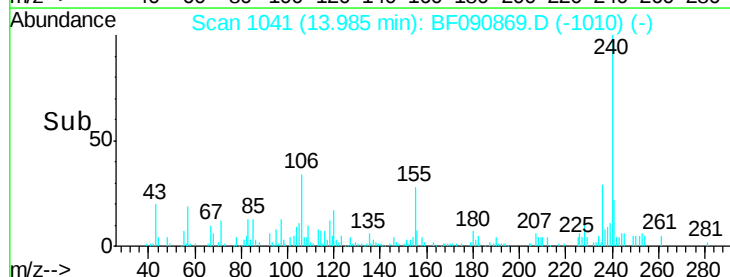
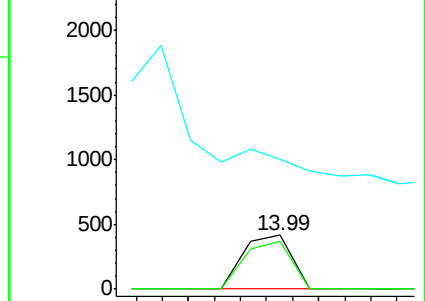
126 241.5 16.4 24.6#

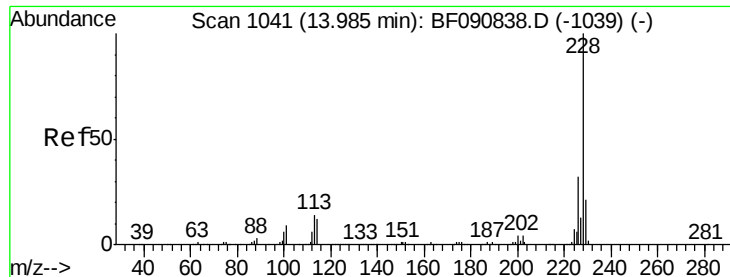


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.44 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.07 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

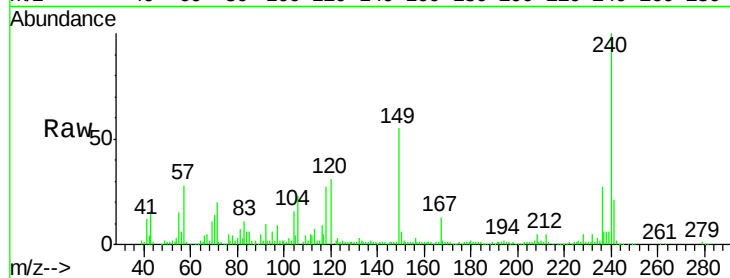
Tgt Ion:228 Resp: 16243

Ion Ratio Lower Upper

228 100

226 39.2 21.0 31.4#

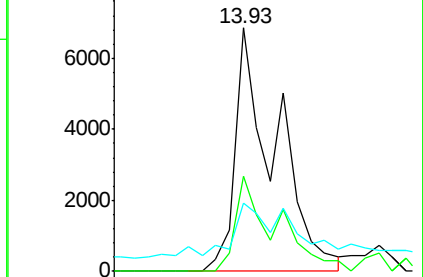
229 27.9 15.6 23.4#



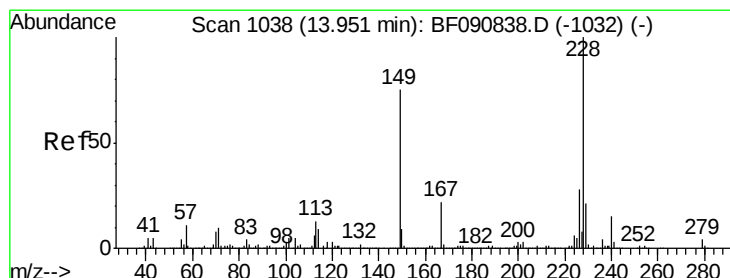
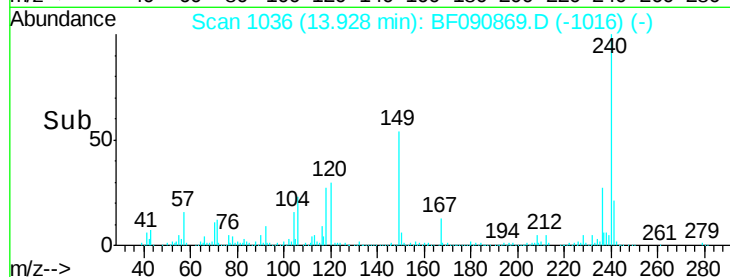
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.59 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

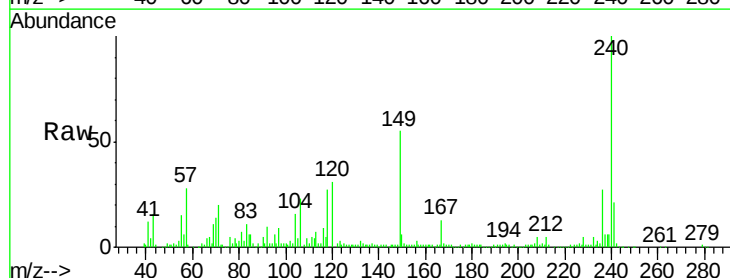
Tgt Ion:149 Resp: 66188

Ion Ratio Lower Upper

149 100

167 24.1 24.2 36.2#

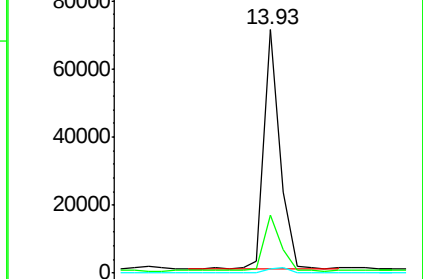
279 1.5 3.8 5.6#



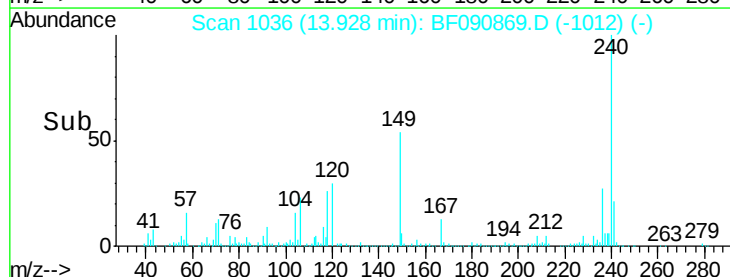
Abundance Ion 149.00 (148.70 to 149.70): E

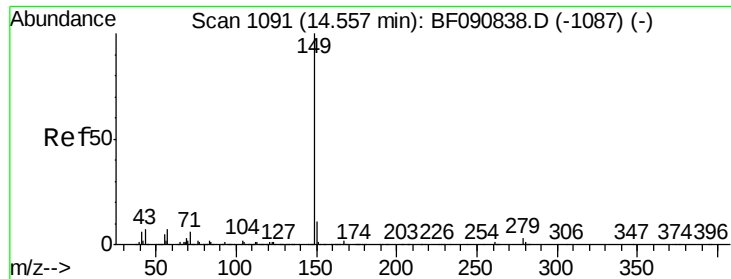
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#84

Di-n-octyl phthalate

Concen: 0.12 ng

RT: 14.55 min Scan# 1090

Delta R.T. -0.02 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

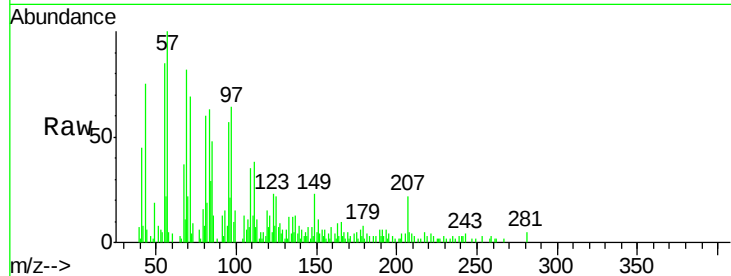
Tgt Ion:149 Resp: 4996

Ion Ratio Lower Upper

149 100

167 0.0 1.0 1.6#

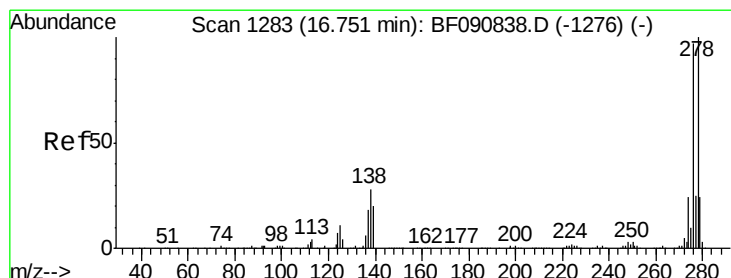
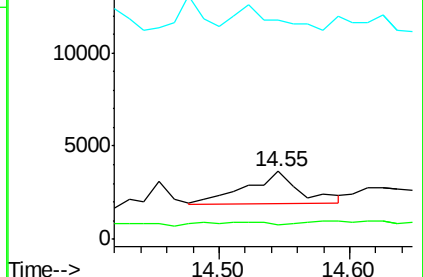
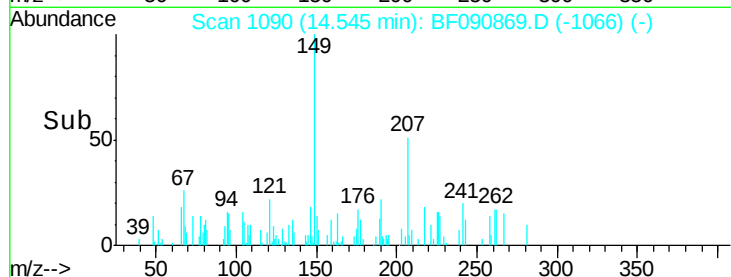
43 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 16.72 min Scan# 1280

Delta R.T. -0.05 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

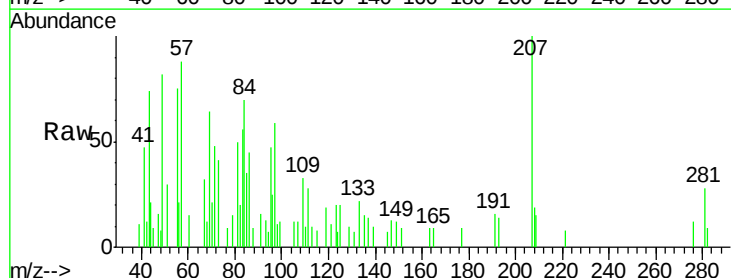
Tgt Ion:276 Resp: 929

Ion Ratio Lower Upper

276 100

138 26.6 25.7 38.5

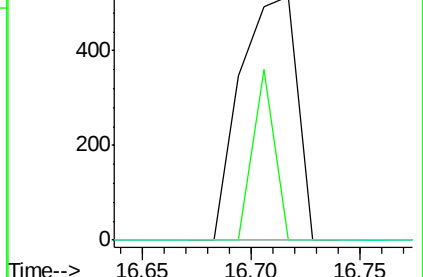
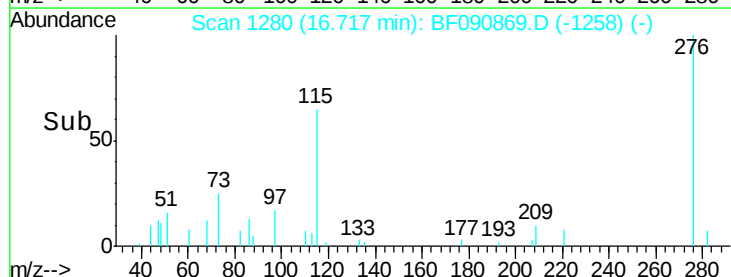
277 0.0 15.6 23.4#

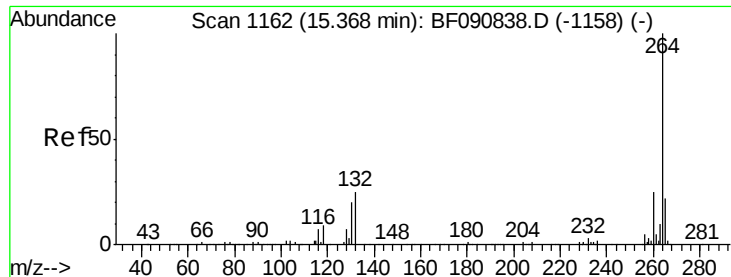


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

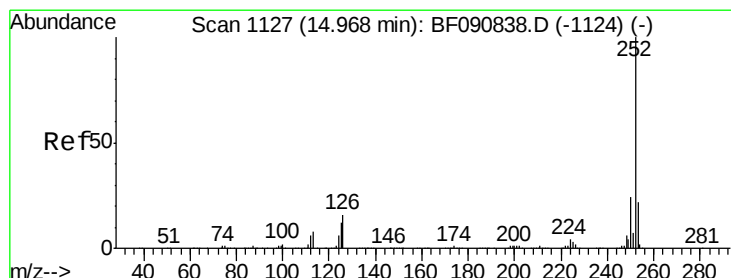
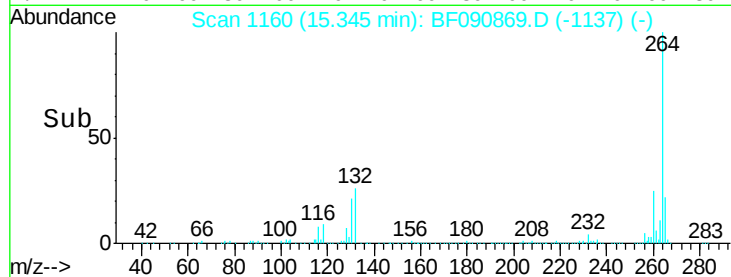
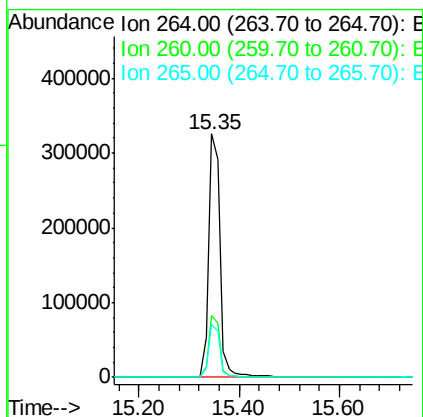
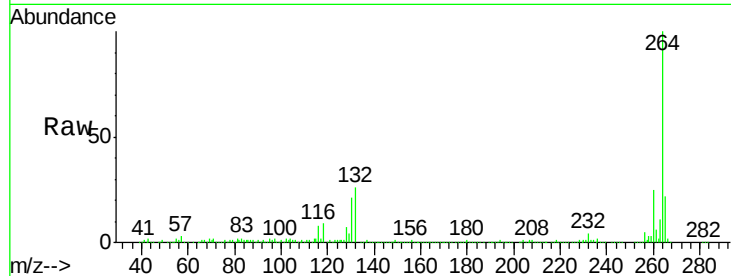




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

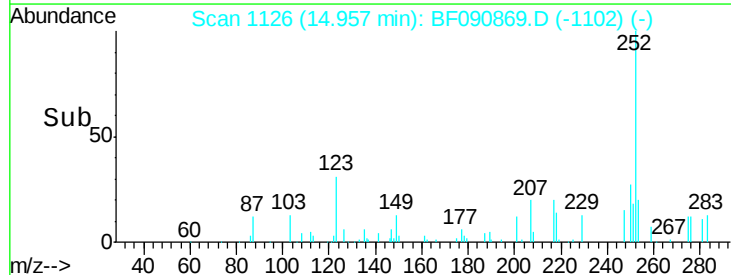
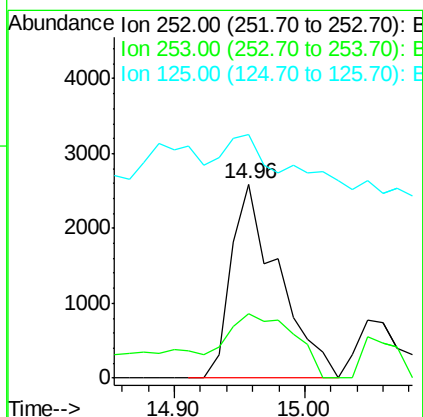
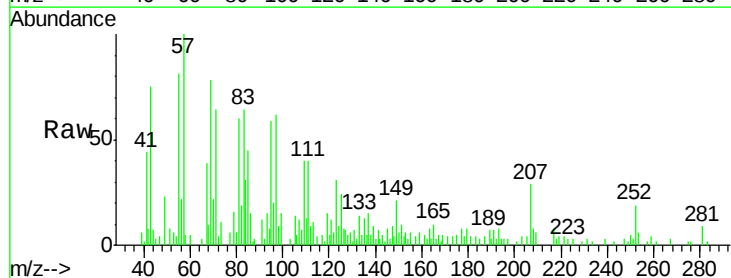
Instrument :
BNA_F
ClientSampleId :
MW-104S

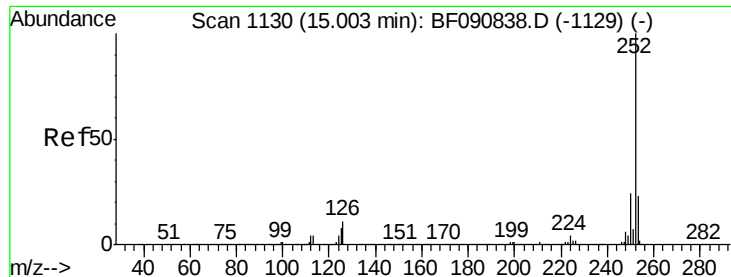
Tgt Ion: 264 Resp: 514452
Ion Ratio Lower Upper
264 100
260 25.2 16.7 25.1#
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion: 252 Resp: 6538
Ion Ratio Lower Upper
252 100
253 33.1 17.5 26.3#
125 125.4 17.1 25.7#

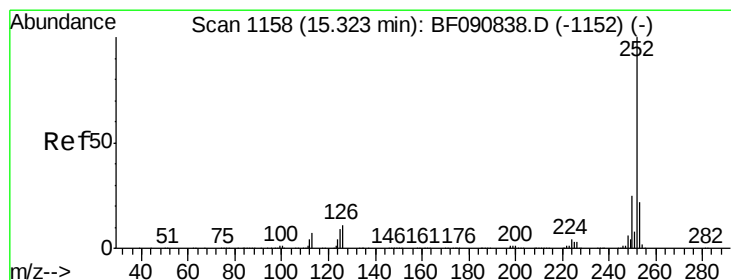
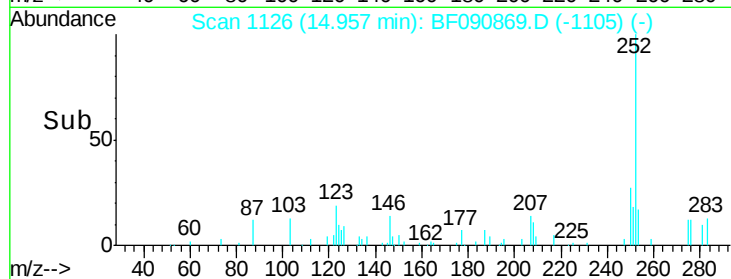
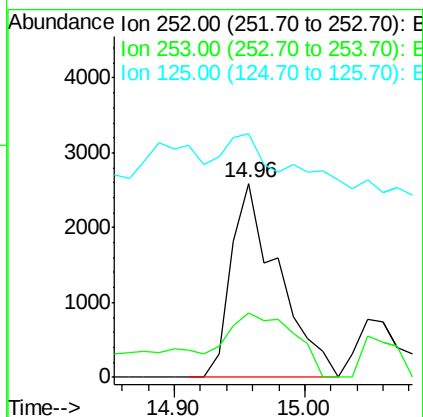
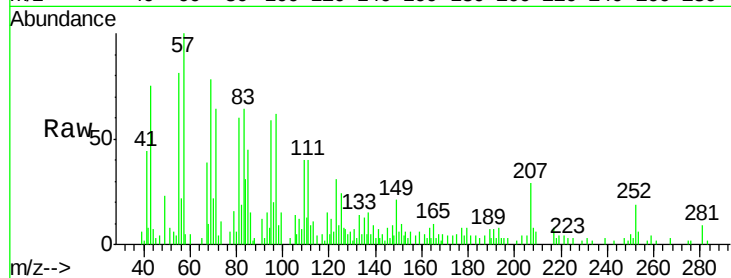




#88
Benzo(k)fluoranthene
Concen: 0.24 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

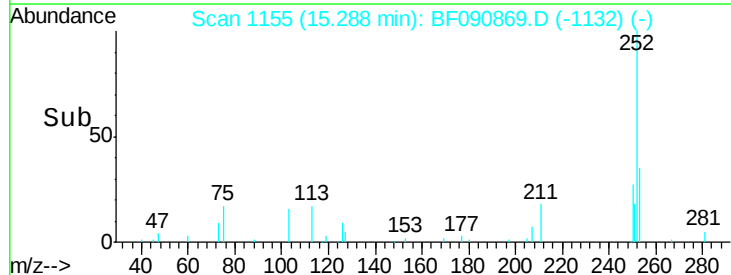
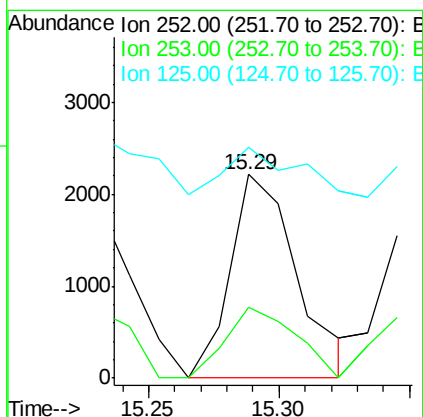
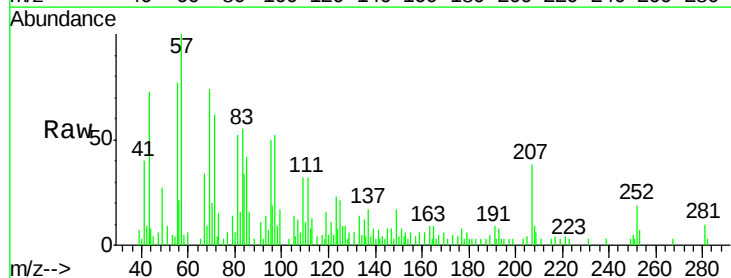
Instrument :
BNA_F
ClientSampleId :
MW-104S

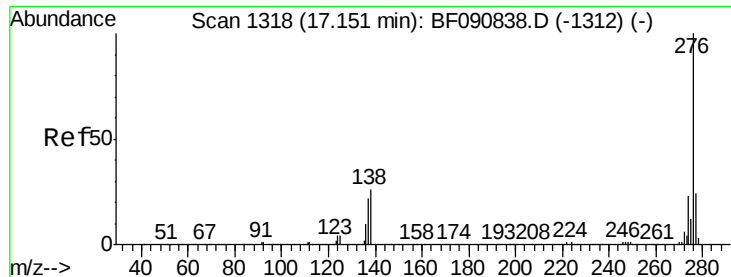
Tgt Ion:252 Resp: 6538
Ion Ratio Lower Upper
252 100
253 33.1 17.0 25.4#
125 125.4 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 0.13 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF090869.D
Acq: 27 Oct 2016 12:58

Tgt Ion:252 Resp: 3966
Ion Ratio Lower Upper
252 100
253 34.7 17.2 25.8#
125 113.6 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 17.11 min Scan# 1314

Delta R.T. -0.06 min

Lab File: BF090869.D

Acq: 27 Oct 2016 12:58

Instrument :

BNA_F

ClientSampleId :

MW-104S

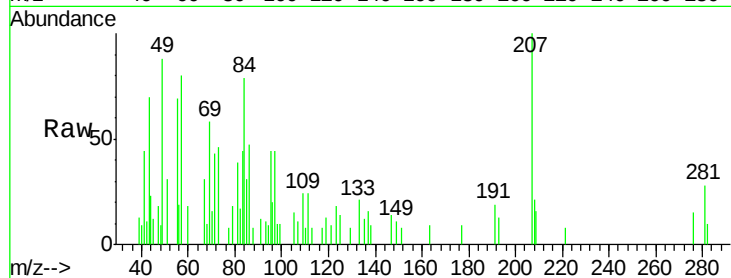
Tgt Ion:276 Resp: 1042

Ion Ratio Lower Upper

276 100

277 0.0 17.8 26.6#

138 62.2 34.6 51.8#

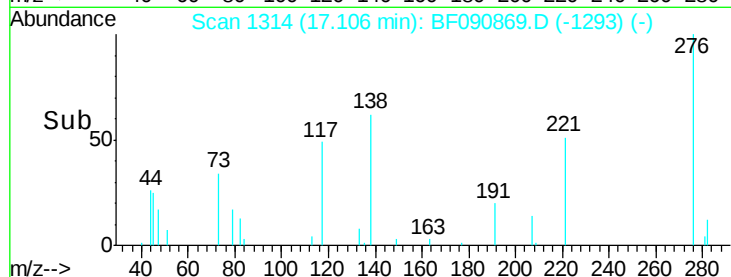
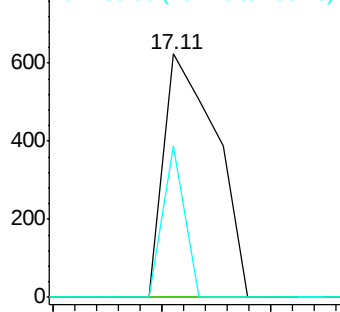


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time--> 17.05 17.10 17.15