

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091906.D
 Acq On : 23 Dec 2016 5:33
 Operator : UM/SJ
 Sample : H6182-08RE
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(13-15)-121916RE

Quant Time: Dec 23 06:42:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	149451	20.00	ng	0.01
21) Naphthalene-d8	8.06	136	482790	20.00	ng	0.02
38) Acenaphthene-d10	9.81	164	213791	20.00	ng	0.02
63) Phenanthrene-d10	11.28	188	426109	20.00	ng	0.01
75) Chrysene-d12	13.91	240	317602	20.00	ng	0.00
86) Perylene-d12	15.30	264	246940	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1575622	176.04	ng	0.06
7) Phenol-d6	6.45	99	1914905	175.23	ng	0.05
23) Nitrobenzene-d5	7.33	82	1199532	138.16	ng	0.01
41) 2,4,6-Tribromophenol	10.59	330	274368	155.07	ng	0.01
44) 2-Fluorobiphenyl	9.15	172	1360276	138.48	ng	0.03
78) Terphenyl-d14	12.85	244	1131529	86.41	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.28	77	45581	5.42	ng	# 9
10) Phenol	6.46	94	92550	7.43	ng	# 81
15) Benzyl Alcohol	6.92	79	70352	8.29	ng	# 43
18) Hexachloroethane	7.34	117	1183095	288.46	ng	# 23
19) n-Nitroso-di-n-propylamine	7.20	70	150708	20.73	ng	# 72
22) Acetophenone	7.12	105	468212	39.32	ng	# 60
24) Nitrobenzene	7.32	77	378373	40.92	ng	# 52
25) Isophorone	7.60	82	702590	43.86	ng	# 1
26) 2-Nitrophenol	7.74	139	143196	31.40	ng	# 1
27) 2,4-Dimethylphenol	7.72	122	91700	12.12	ng	# 1
28) bis(2-Chloroethoxy)methane	7.87	93	127384	13.11	ng	# 1
29) 2,4-Dichlorophenol	7.92	162	60062	9.38	ng	# 1
30) 1,2,4-Trichlorobenzene	7.97	180	39974	5.70	ng	# 62
31) Naphthalene	8.06	128	247042	11.18	ng	# 1
32) Benzoic acid	7.87	122	53454	9.53	ng	# 1
33) 4-Chloroaniline	8.12	127	81463	8.18	ng	# 1
35) Caprolactam	8.52	113	622254	295.65	ng	# 1
36) 4-Chloro-3-methylphenol	8.61	107	76615	10.40	ng	# 30
37) 2-Methylnaphthalene	8.80	142	2264661	Below Cal		97
42) 2,4,6-Trichlorophenol	9.07	196	40309	10.67	ng	# 9
43) 2,4,5-Trichlorophenol	9.07	196	40309	10.37	ng	# 1
45) 1,1'-Biphenyl	8.99	154	39913	2.73	ng	# 88
47) 2-Nitroaniline	9.30	65	52697	12.77	ng	# 44
48) Acenaphthylene	9.69	152	59113	3.32	ng	# 1
49) Dimethylphthalate	9.54	163	149691	10.95	ng	# 55
50) 2,6-Dinitrotoluene	9.60	165	58863	19.67	ng	# 68
51) Acenaphthene	9.85	154	44503	3.68	ng	# 42
52) 3-Nitroaniline	9.77	138	41609	11.23	ng	# 47
53) 2,4-Dinitrophenol	10.10	184	31637	19.00	ng	# 90
54) Dibenzofuran	10.02	168	147542	9.04	ng	# 23
55) 4-Nitrophenol	9.93	139	72180	28.70	ng	# 18
56) 2,4-Dinitrotoluene	10.02	165	68490	18.23	ng	# 59
57) Fluorene	10.35	166	144583	12.17	ng	# 78
59) Diethylphthalate	10.22	149	28776	2.17	ng	# 9

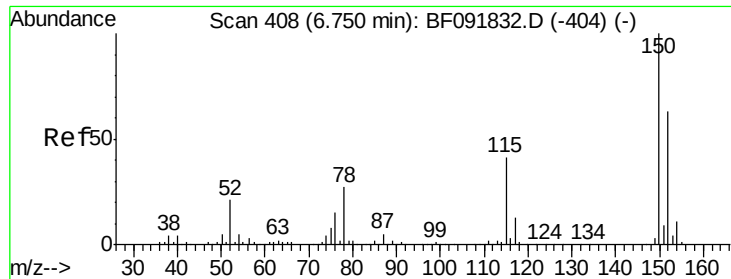
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091906.D
Acq On : 23 Dec 2016 5:33
Operator : UM/SJ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	10.27	138	11921	3.11	ng	78
65) n-Nitrosodiphenylamine	10.46	169	177161	14.01	ng	# 44
70) Phenanthrene	11.30	178	114311	4.95	ng	# 95
71) Anthracene	11.35	178	6234	Below Cal	#	51
73) Di-n-butylphthalate	11.84	149	10980	Below Cal	#	46
74) Fluoranthene	12.48	202	17438	Below Cal		92
76) Benzidine	12.58	184	1068	Below Cal	#	1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

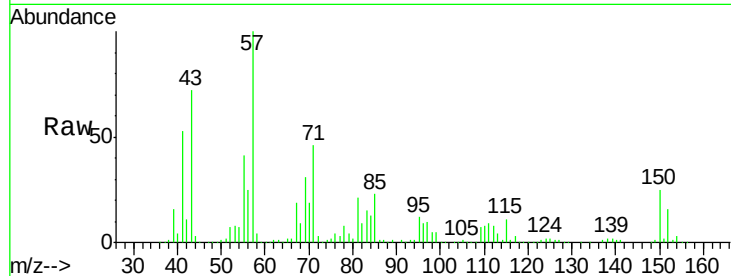
Tgt Ion:152 Resp: 149451

Ion Ratio Lower Upper

152 100

150 155.4 124.9 187.3

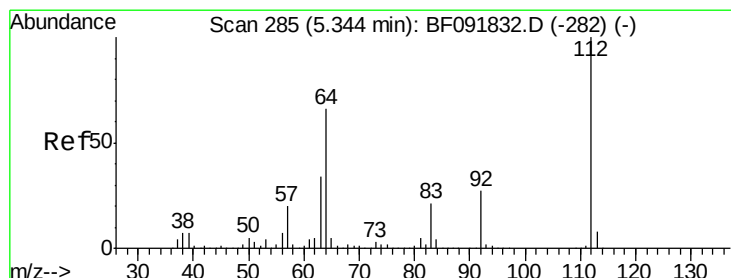
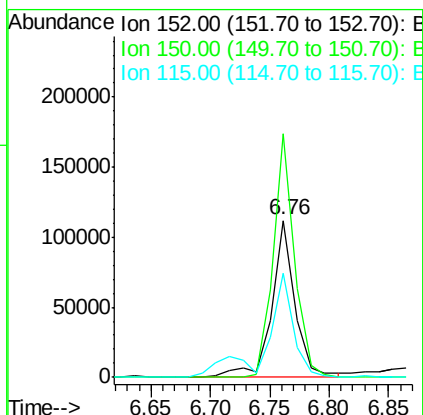
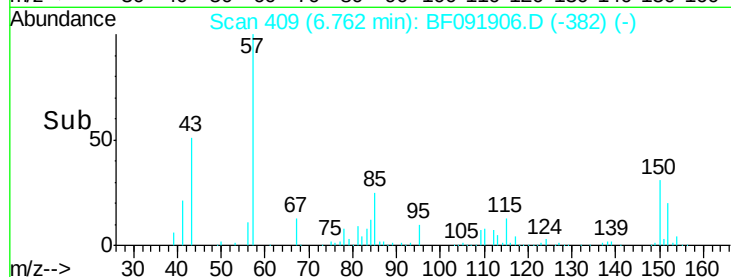
115 66.3 46.0 69.0



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: 176.04 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

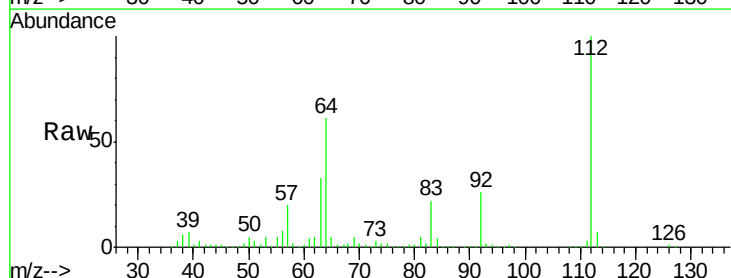
Tgt Ion:112 Resp: 1575622

Ion Ratio Lower Upper

112 100

64 61.0 46.1 69.1

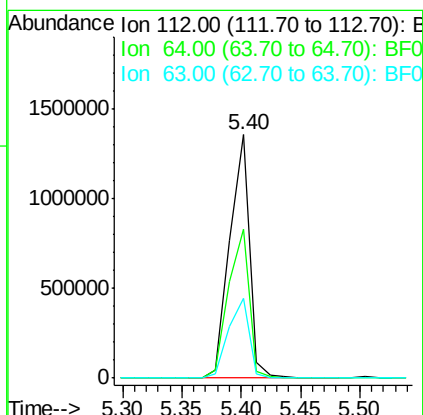
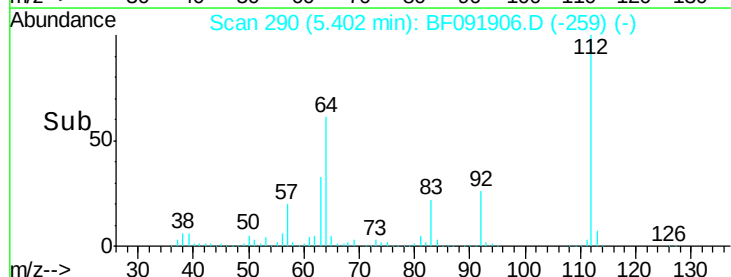
63 32.7 23.8 35.6

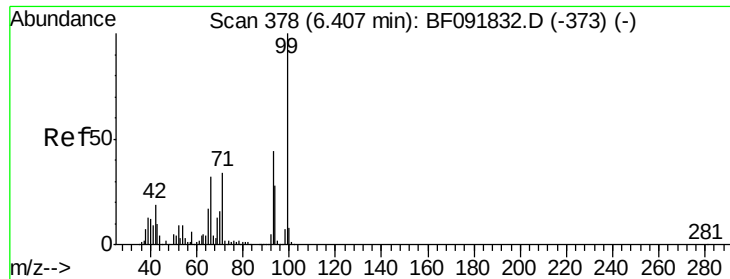


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 175.23 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

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SB-52(13-15)-121916RE

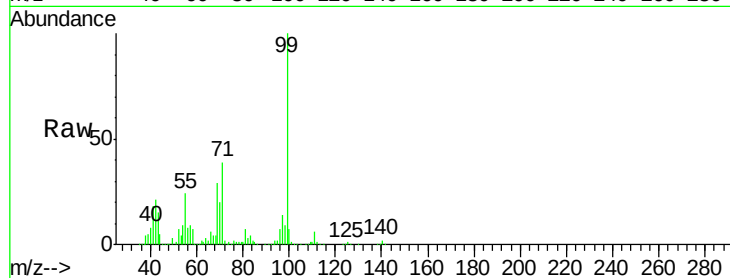
Tgt Ion: 99 Resp: 1914905

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

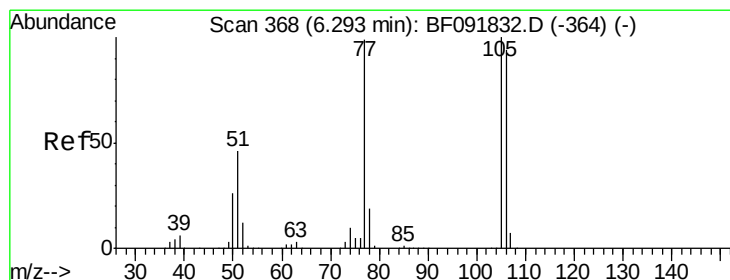
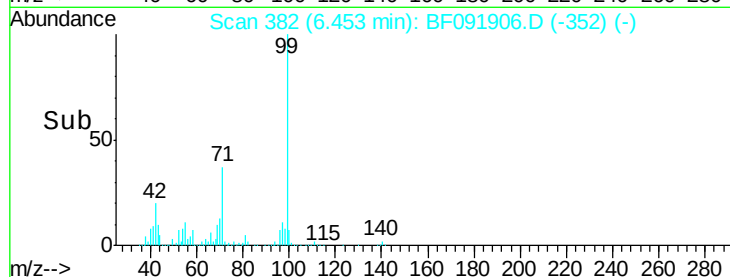
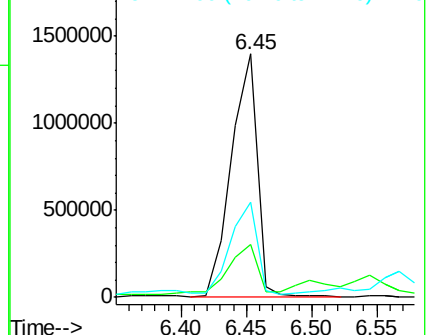
71 39.2 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 5.42 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

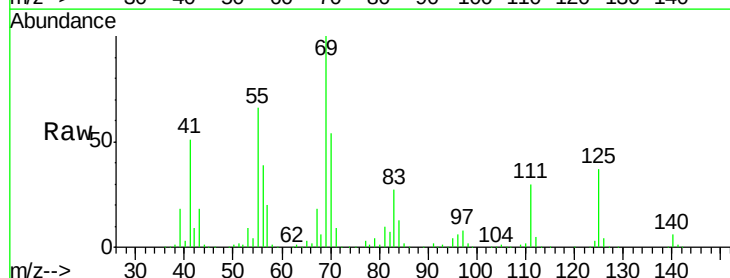
Tgt Ion: 77 Resp: 45581

Ion Ratio Lower Upper

77 100

105 17.4 83.9 123.9#

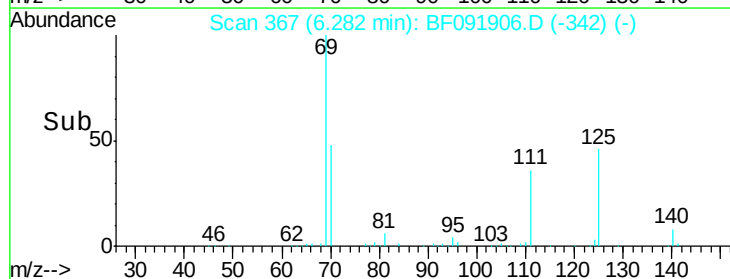
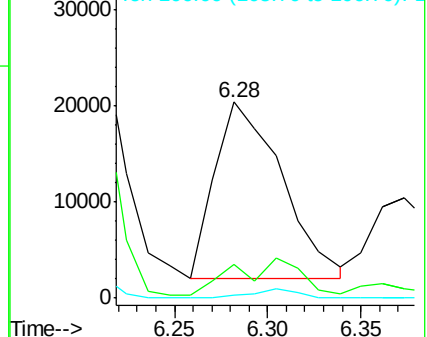
106 1.8 77.6 117.6#

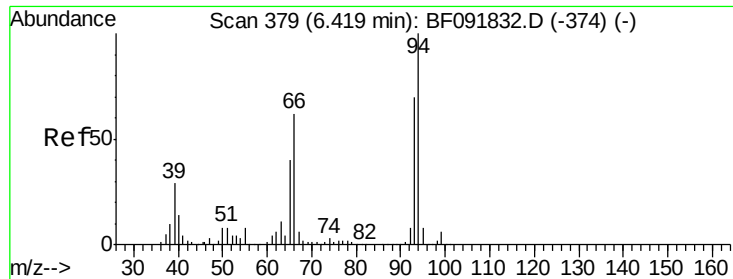


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.43 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

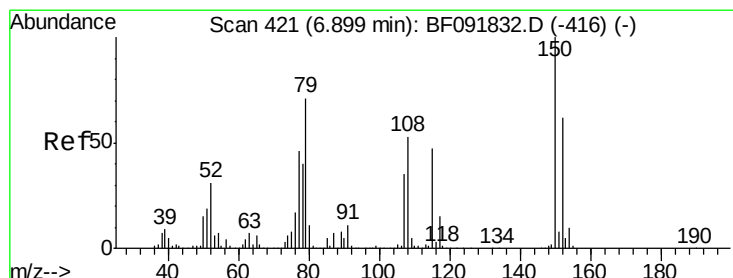
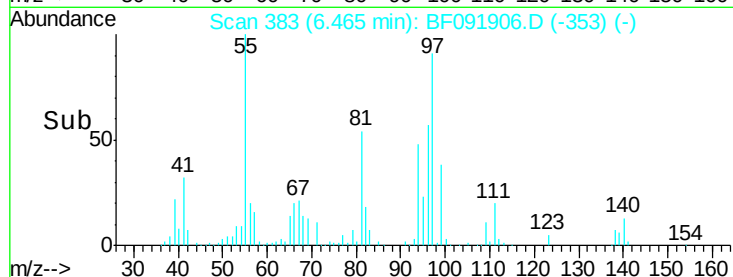
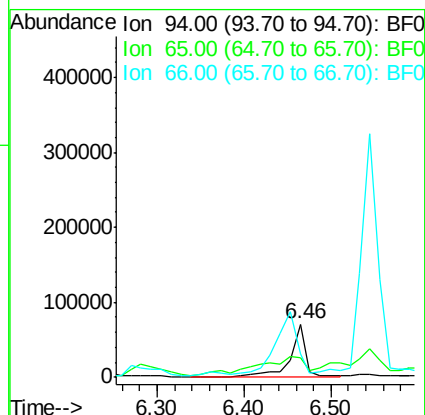
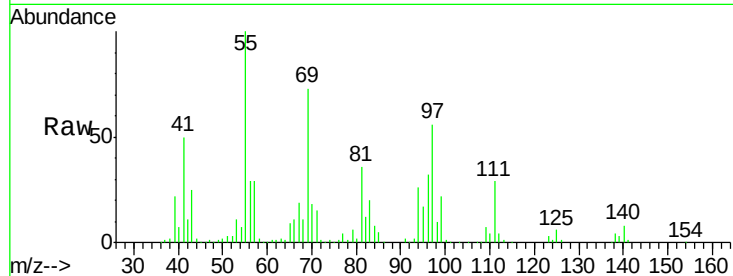
Tgt Ion: 94 Resp: 92550

Ion Ratio Lower Upper

94 100

65 36.5 21.4 61.4

66 43.2 44.0 84.0#



#15

Benzyl Alcohol

Concen: 8.29 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.02 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

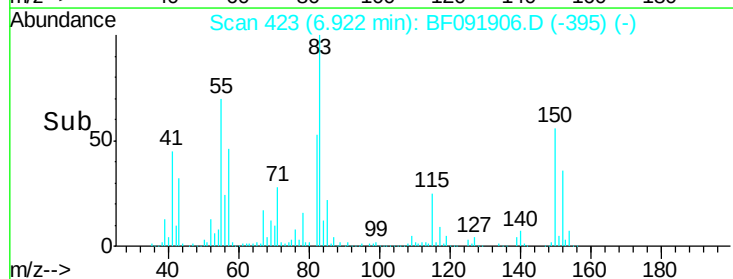
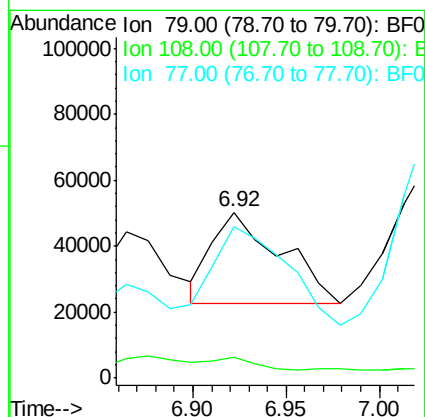
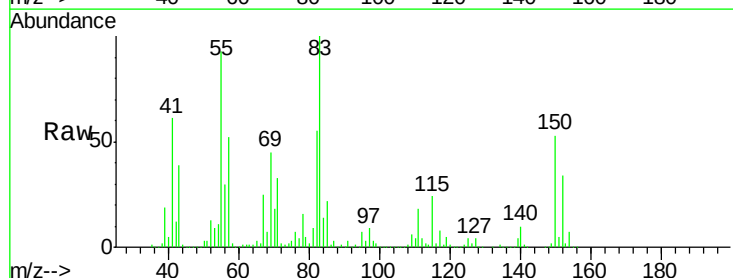
Tgt Ion: 79 Resp: 70352

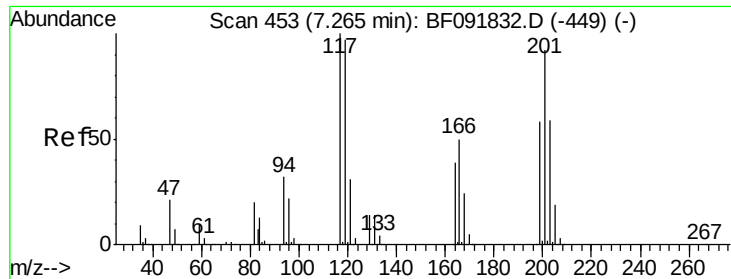
Ion Ratio Lower Upper

79 100

108 12.9 61.4 92.0#

77 91.3 50.9 76.3#

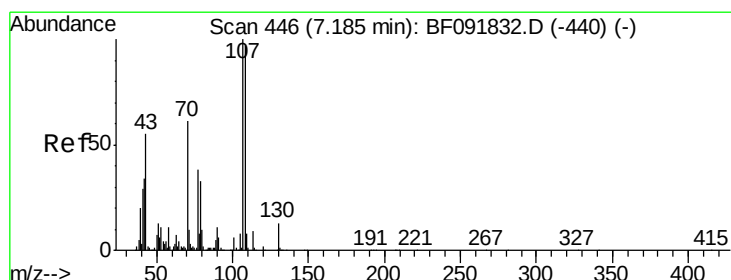
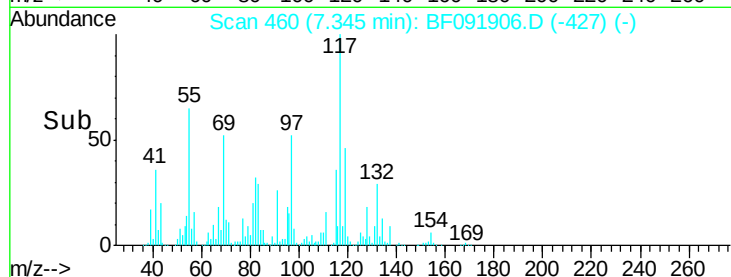
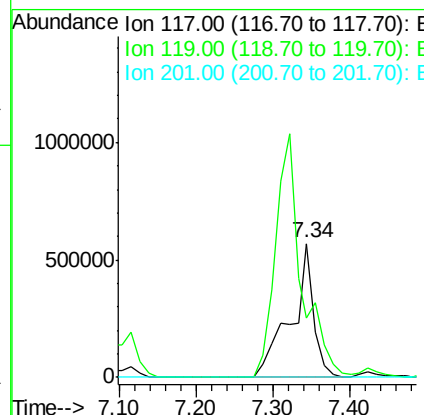
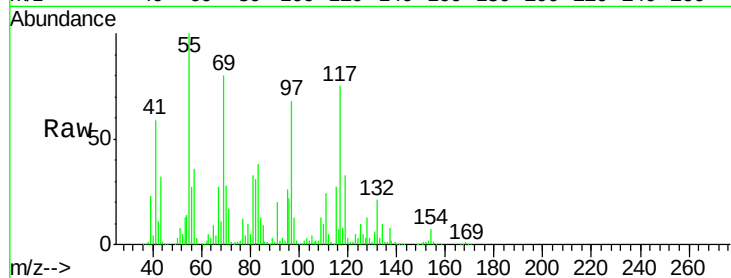




#18
Hexachloroethane
Concen: 288.46 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.08 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

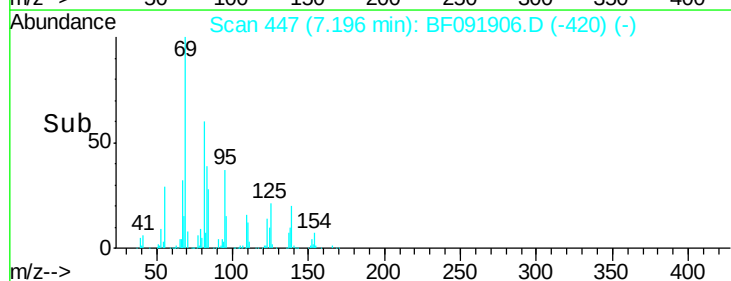
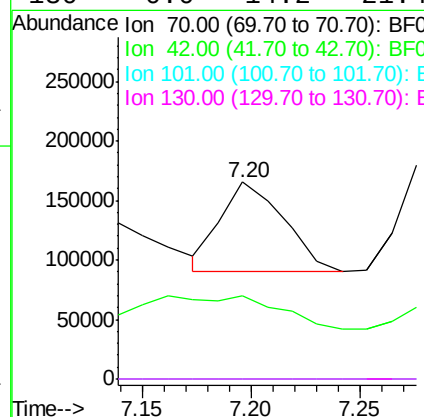
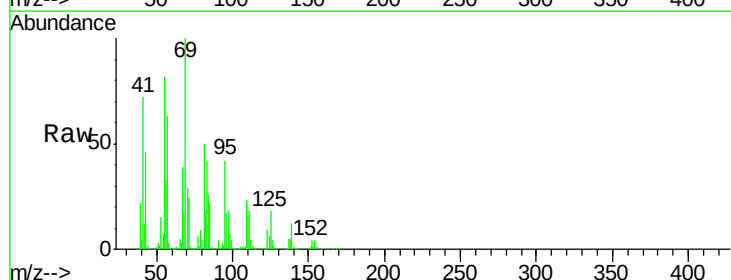
Instrument :
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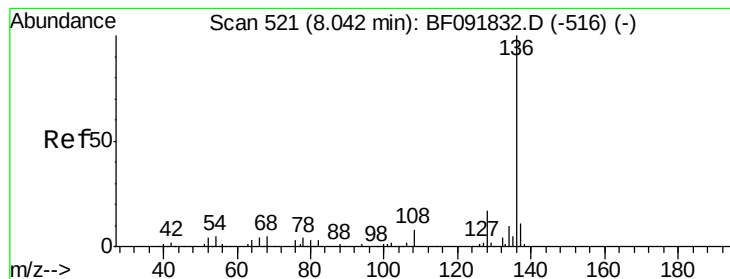
Tgt Ion:117 Resp: 1183095
Ion Ratio Lower Upper
117 100
119 44.3 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 20.73 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.01 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

Tgt Ion: 70 Resp: 150708
Ion Ratio Lower Upper
70 100
42 42.1 49.4 74.0#
101 0.2 7.4 11.2#
130 0.0 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.02 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

Tgt Ion:136 Resp: 482790

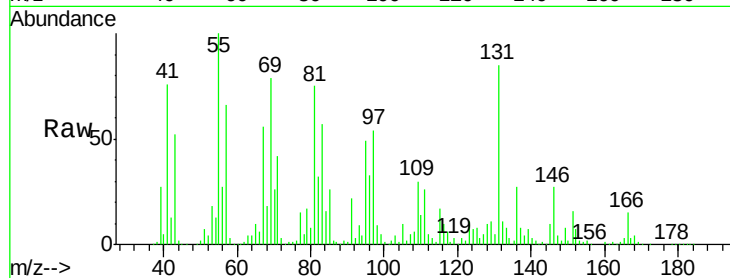
Ion Ratio Lower Upper

136 100

137 28.5 8.4 12.6#

54 49.3 4.5 6.7#

68 65.7 3.6 5.4#



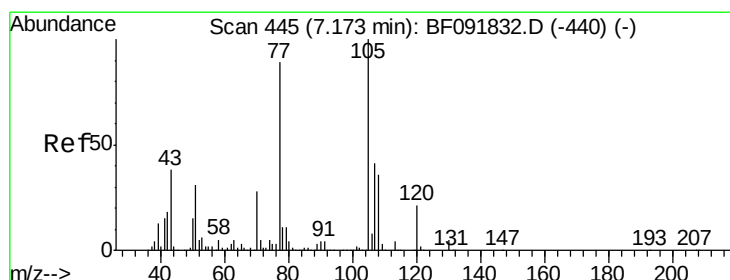
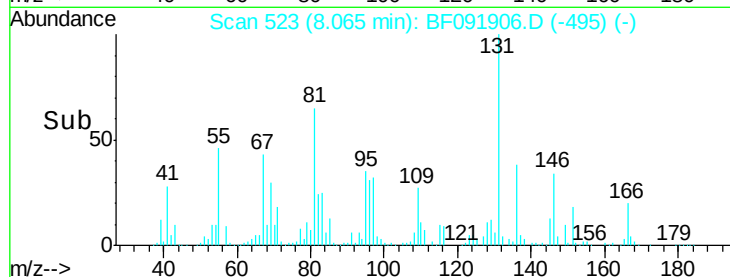
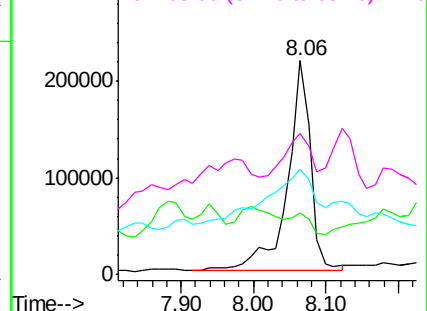
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 39.32 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.06 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Tgt Ion:105 Resp: 468212

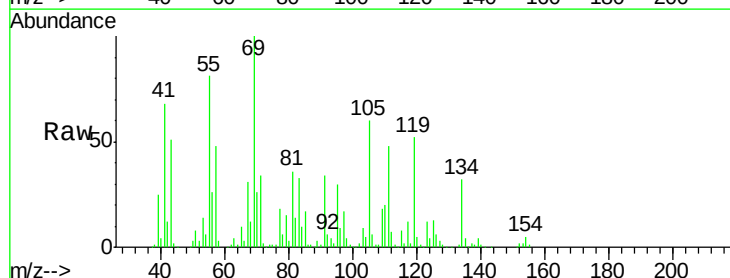
Ion Ratio Lower Upper

105 100

71 57.3 3.2 4.8#

51 14.0 26.2 39.4#

120 8.0 16.6 24.8#



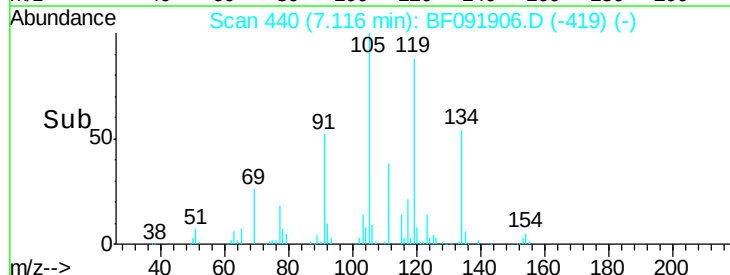
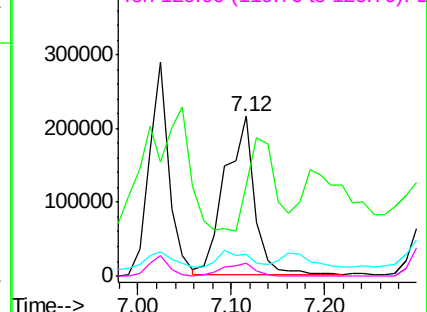
Abundance

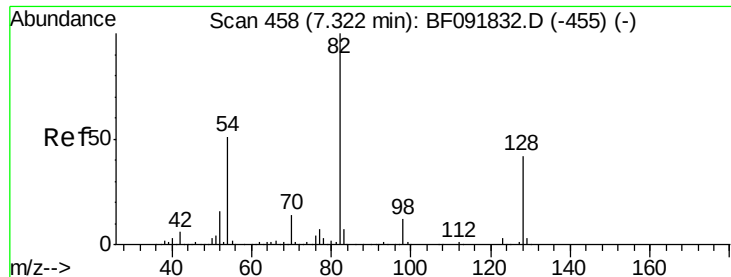
Ion 105.00 (104.70 to 105.70): E

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

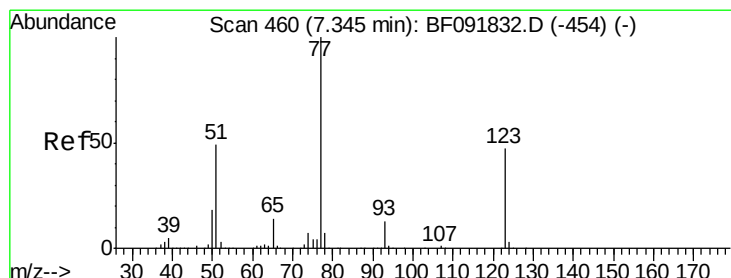
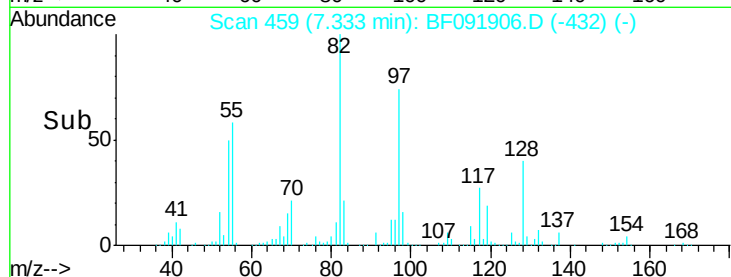
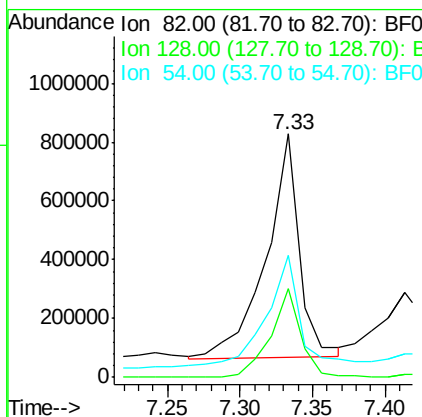
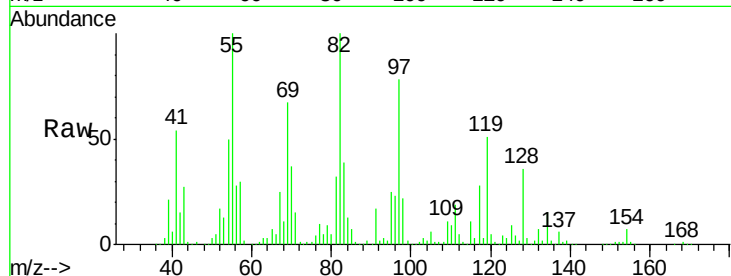




#23
 Nitrobenzene-d5
 Concen: 138.16 ng
 RT: 7.33 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

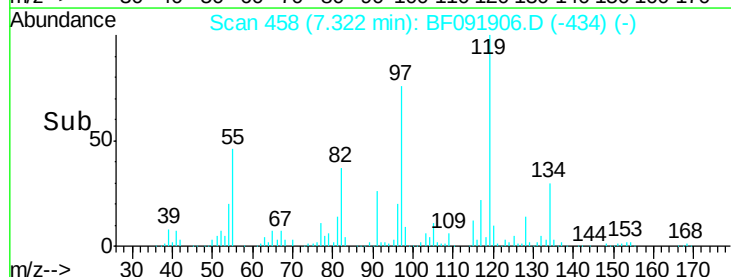
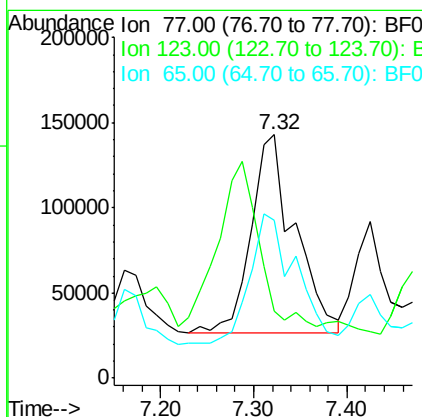
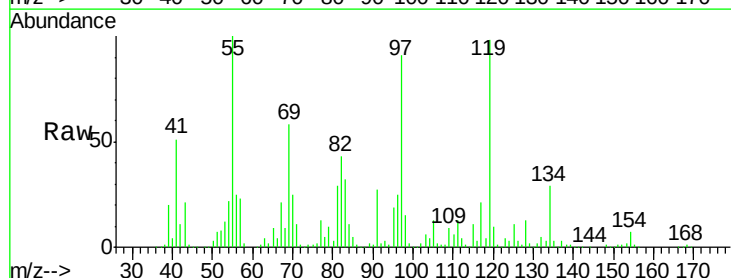
Instrument :
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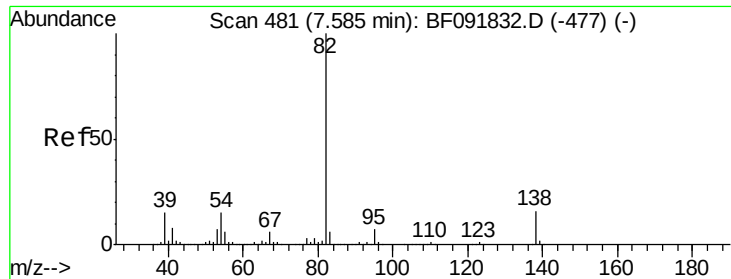
Tgt Ion: 82 Resp: 1199532
 Ion Ratio Lower Upper
 82 100
 128 36.4 34.6 52.0
 54 50.3 39.5 59.3



#24
 Nitrobenzene
 Concen: 40.92 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

Tgt Ion: 77 Resp: 378373
 Ion Ratio Lower Upper
 77 100
 123 27.3 33.0 49.4#
 65 65.0 11.2 16.8#





#25

Isophorone

Concen: 43.86 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

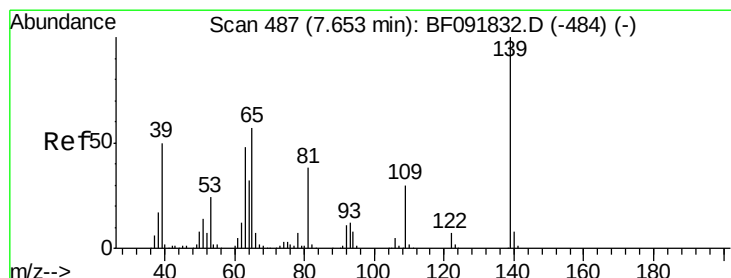
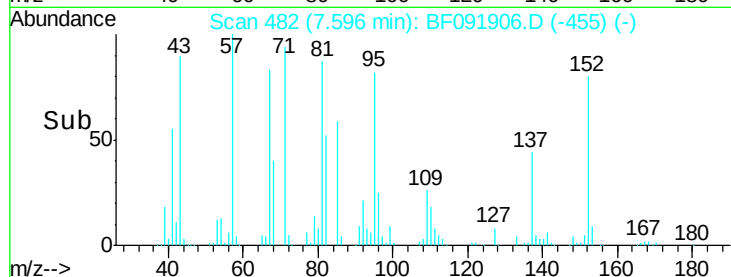
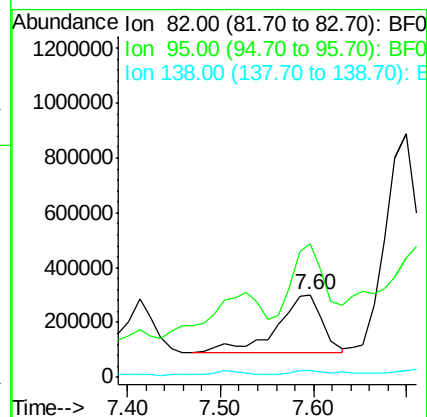
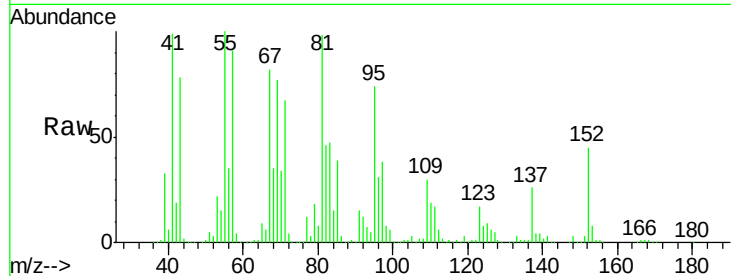
Tgt Ion: 82 Resp: 702590

Ion Ratio Lower Upper

82 100

95 161.8 5.6 8.4#

138 8.1 14.6 22.0#



#26

2-Nitrophenol

Concen: 31.40 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.09 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

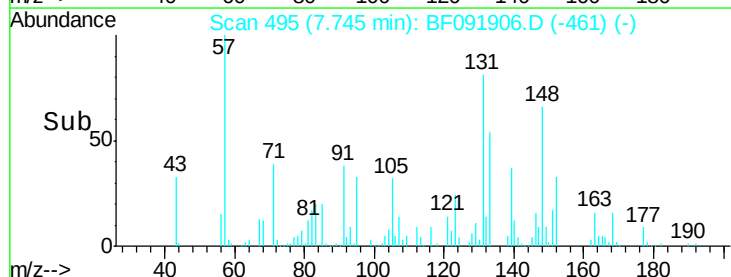
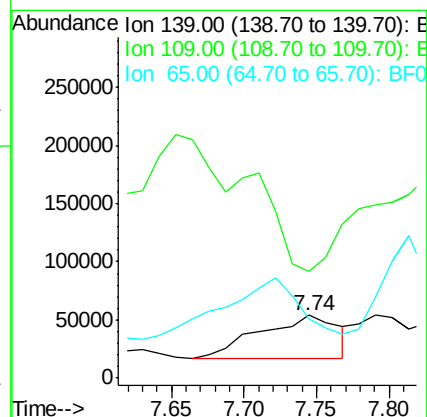
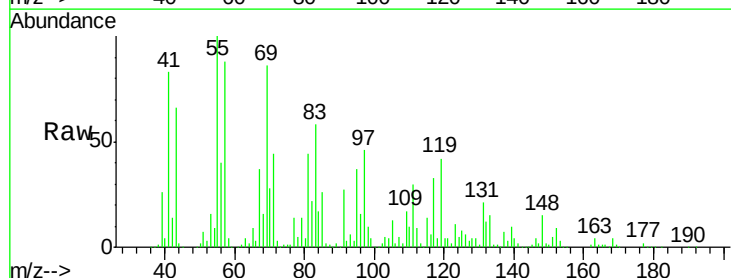
Tgt Ion: 139 Resp: 143196

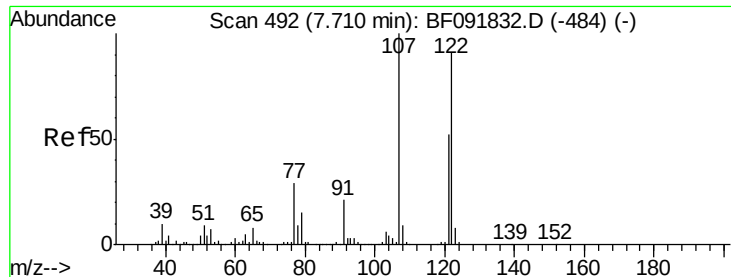
Ion Ratio Lower Upper

139 100

109 169.2 23.3 34.9#

65 94.4 42.7 64.1#

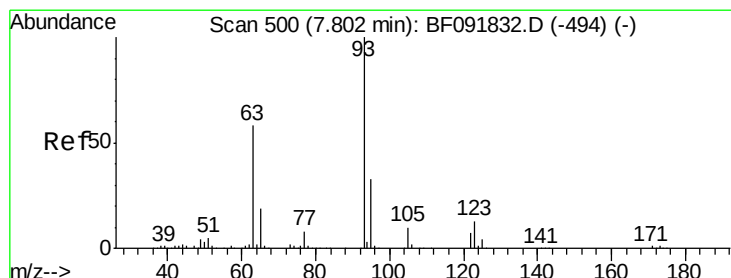
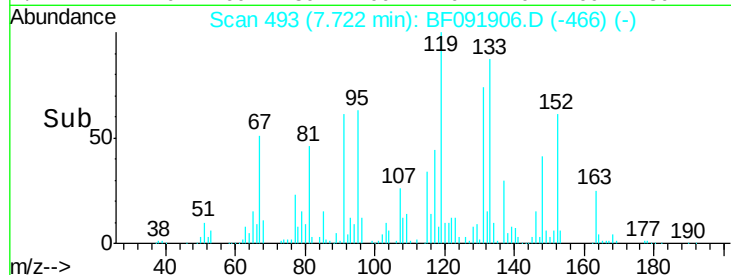
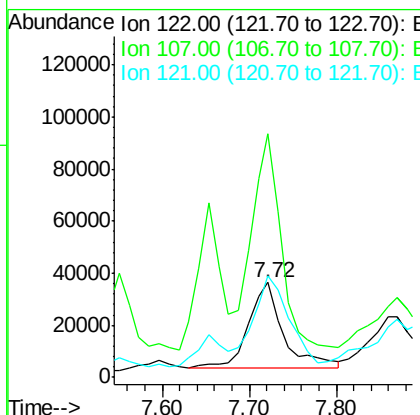
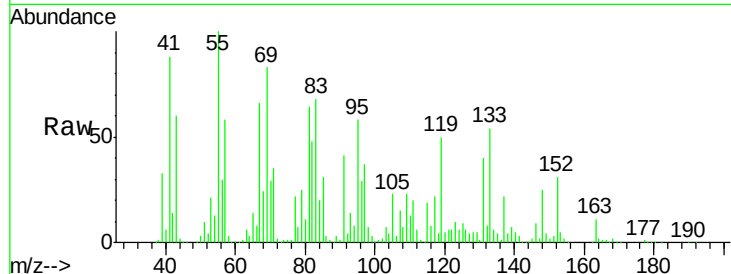




#27
 2,4-Dimethylphenol
 Concen: 12.12 ng
 RT: 7.72 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

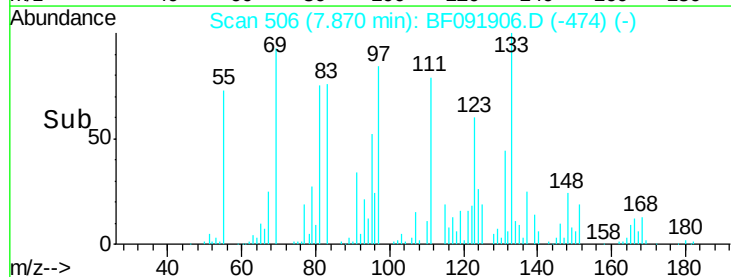
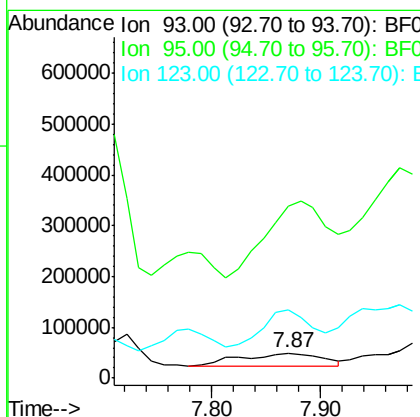
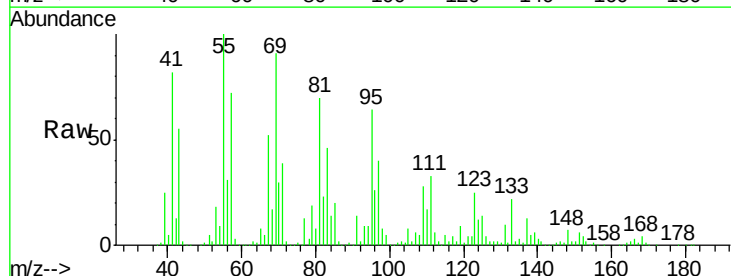
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(13-15)-121916RE

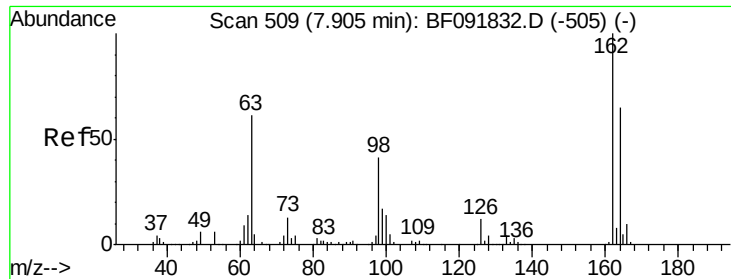
Tgt Ion: 122 Resp: 91700
 Ion Ratio Lower Upper
 122 100
 107 256.9 94.1 141.1#
 121 107.1 46.0 69.0#



#28
 bis(2-Chloroethoxy)methane
 Concen: 13.11 ng
 RT: 7.87 min Scan# 506
 Delta R.T. 0.07 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

Tgt Ion: 93 Resp: 127384
 Ion Ratio Lower Upper
 93 100
 95 694.1 26.5 39.7#
 123 274.2 8.6 13.0#





#29

2,4-Dichlorophenol

Concen: 9.38 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

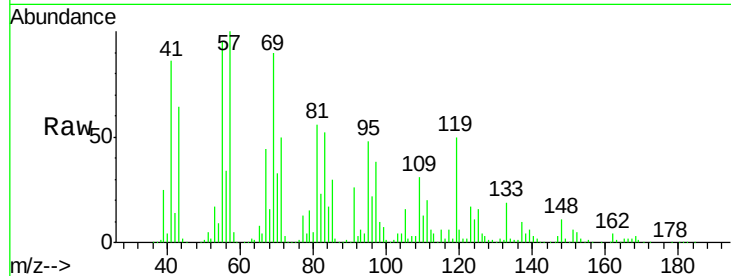
Tgt Ion:162 Resp: 60062

Ion Ratio Lower Upper

162 100

164 7.8 46.8 86.8#

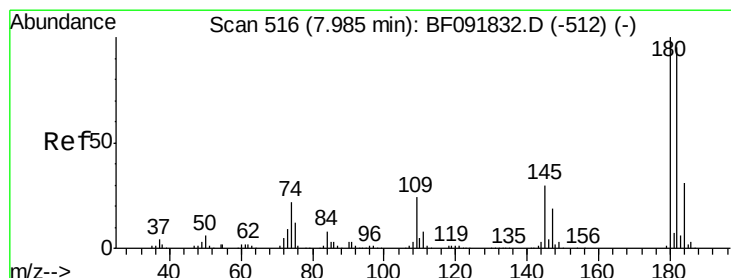
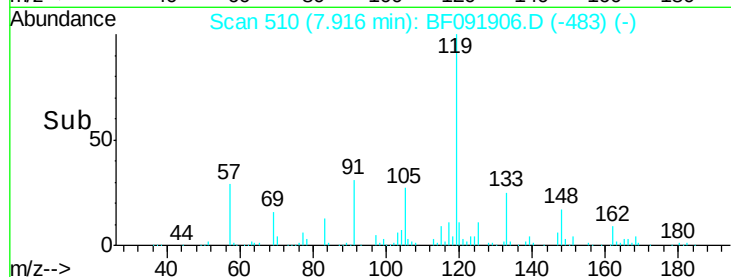
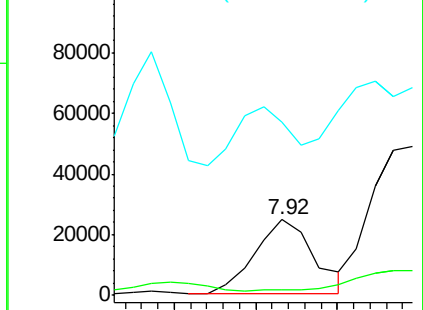
98 228.9 9.1 49.1#



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): E



#30

1,2,4-Trichlorobenzene

Concen: 5.70 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

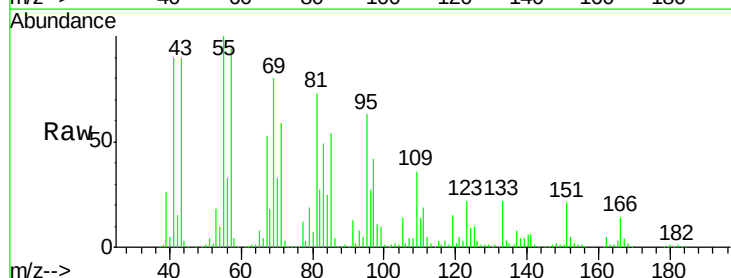
Tgt Ion:180 Resp: 39974

Ion Ratio Lower Upper

180 100

182 60.7 78.2 117.4#

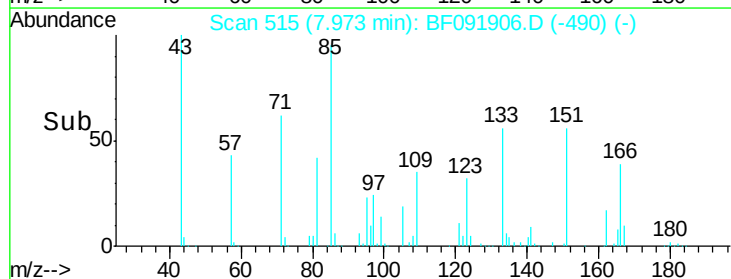
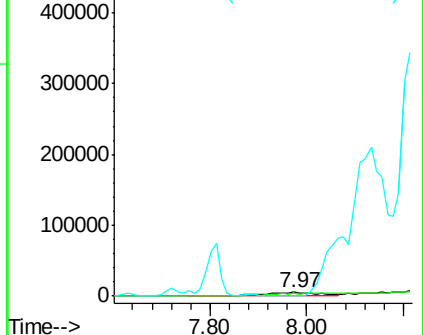
145 7.6 21.6 32.4#

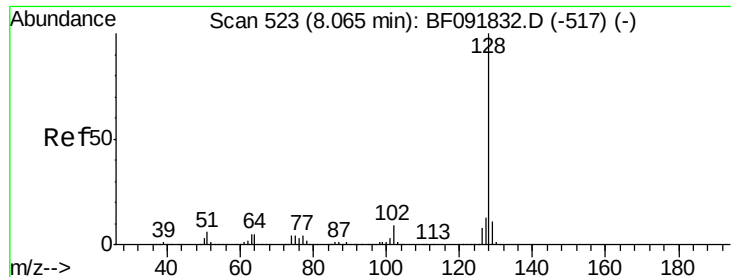


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

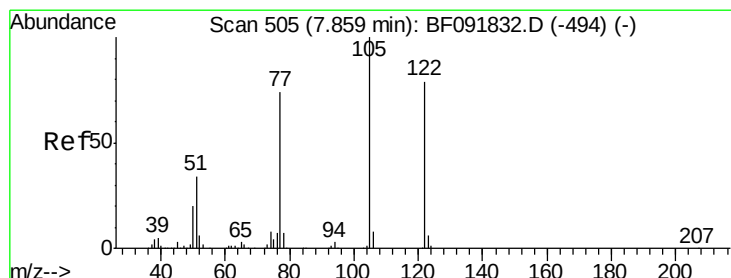
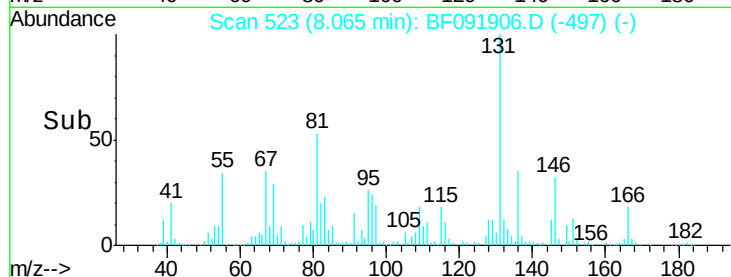
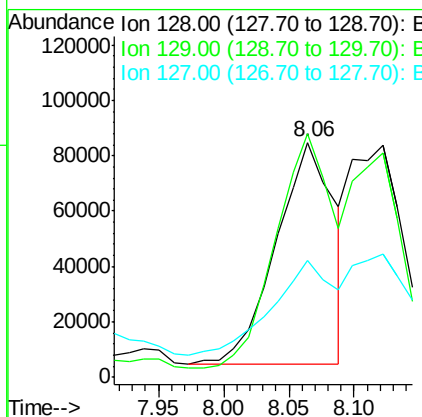
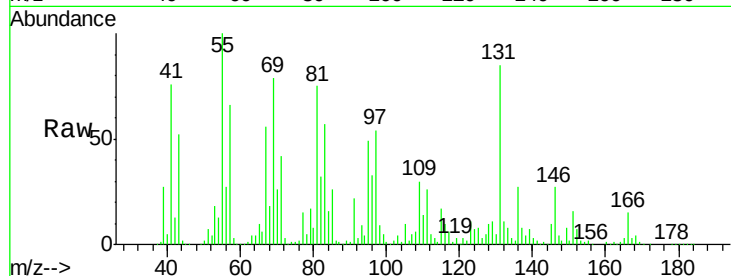




#31
Naphthalene
Concen: 11.18 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

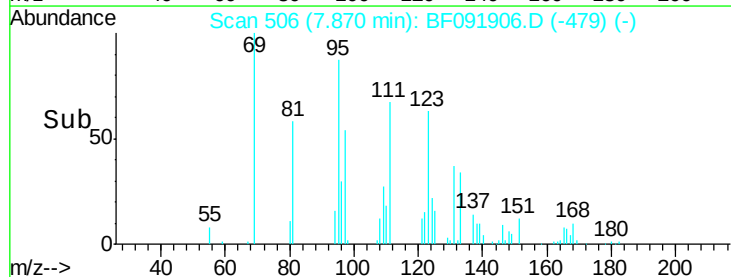
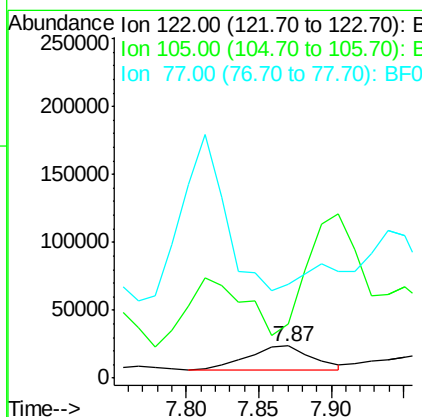
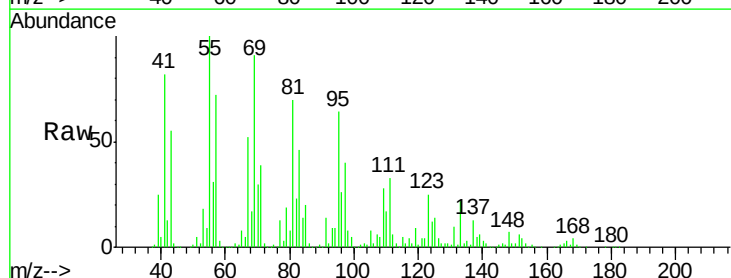
Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916RE

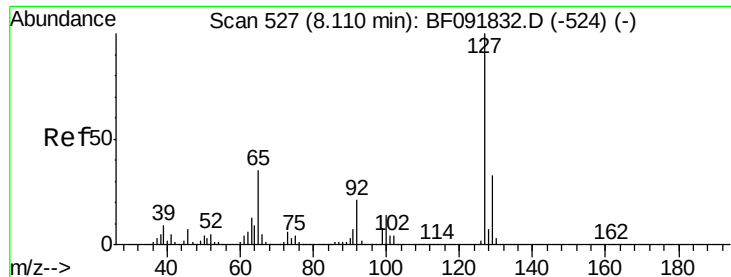
Tgt Ion:128 Resp: 247042
Ion Ratio Lower Upper
128 100
129 103.5 9.5 14.3#
127 49.7 10.8 16.2#



#32
Benzoic acid
Concen: 9.53 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.01 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

Tgt Ion:122 Resp: 53454
Ion Ratio Lower Upper
122 100
105 170.3 107.2 147.2#
77 295.1 74.5 114.5#

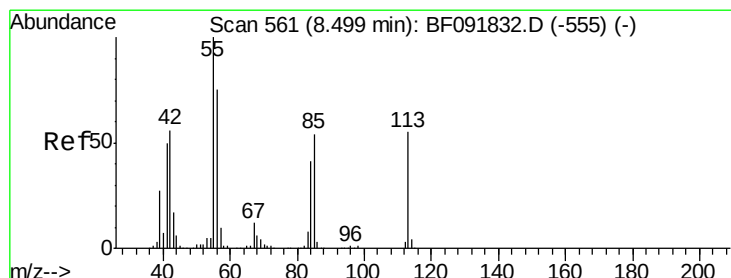
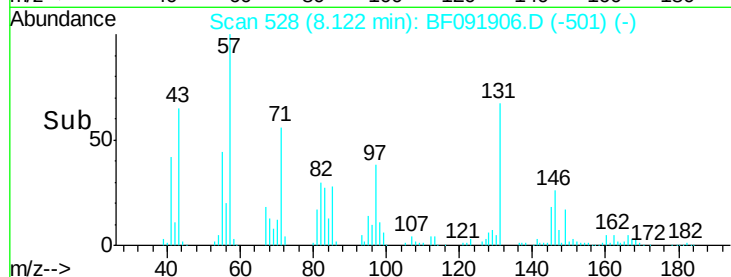
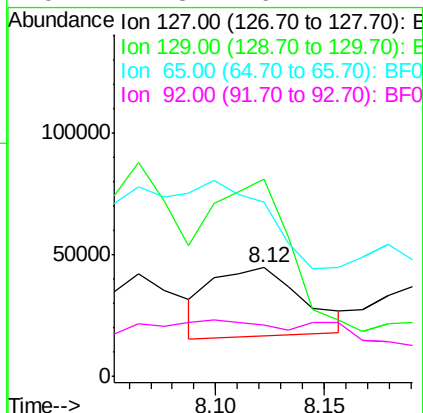
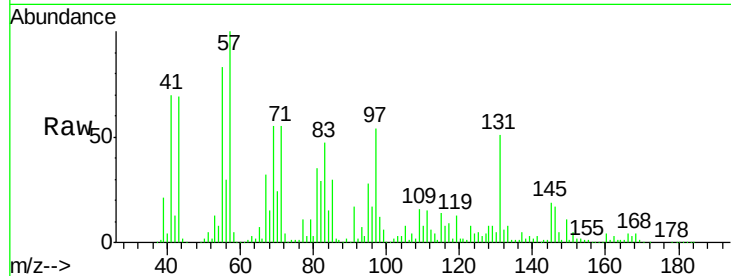




#33
4-Chloroaniline
Concen: 8.18 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

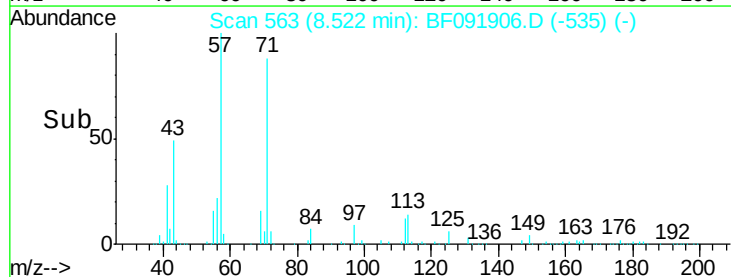
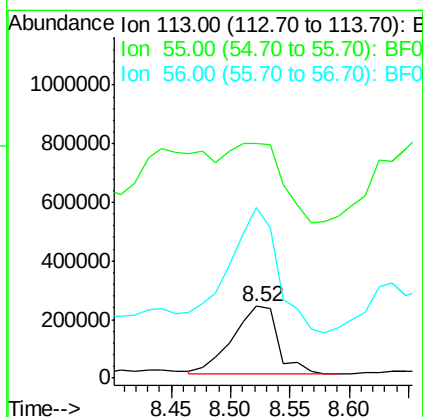
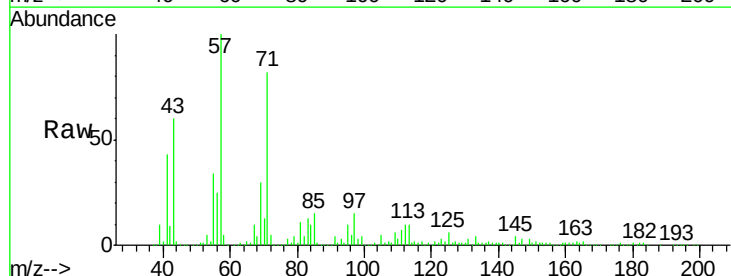
Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916RE

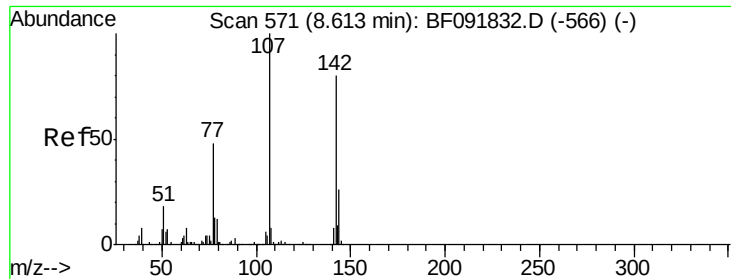
Tgt Ion:127 Resp: 81463
Ion Ratio Lower Upper
127 100
129 181.3 26.3 39.5#
65 160.0 25.8 38.8#
92 47.3 16.1 24.1#



#35
Caprolactam
Concen: 295.65 ng
RT: 8.52 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

Tgt Ion:113 Resp: 622254
Ion Ratio Lower Upper
113 100
55 325.5 119.2 159.2#
56 237.4 83.8 123.8#





#36

4-Chloro-3-methylphenol

Concen: 10.40 ng

RT: 8.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

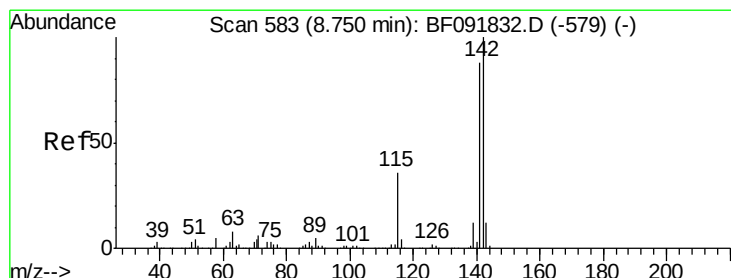
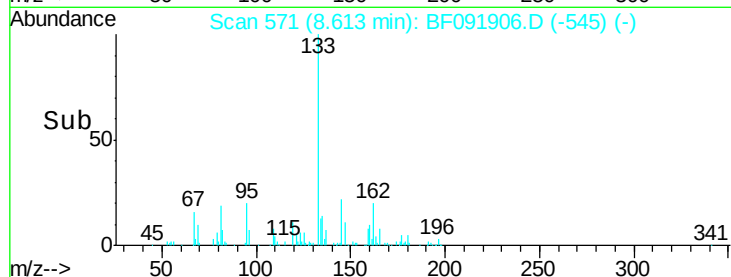
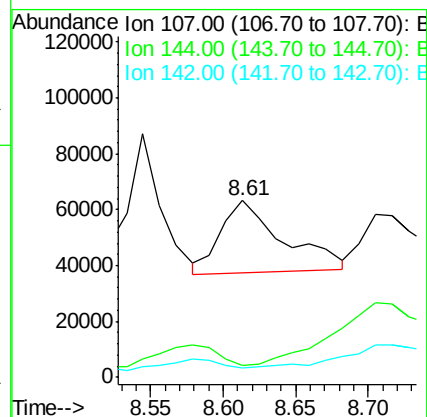
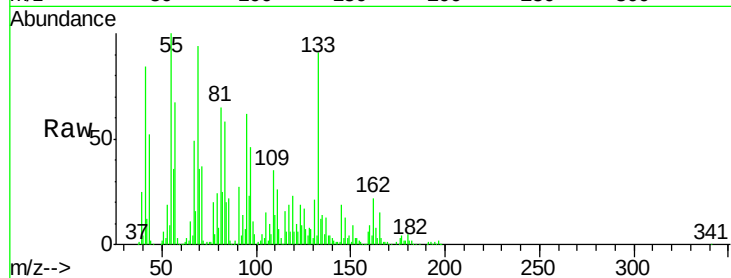
Tgt Ion:107 Resp: 76615

Ion Ratio Lower Upper

107 100

144 6.5 19.3 28.9#

142 5.6 59.0 88.6#



#37

2-Methylnaphthalene

Concen: Below Cal

RT: 8.80 min Scan# 587

Delta R.T. 0.05 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

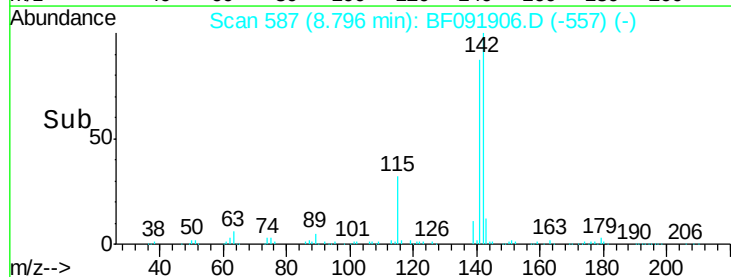
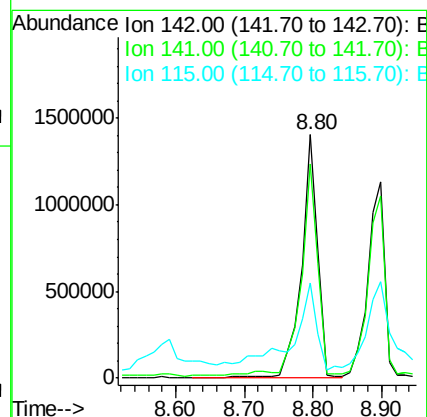
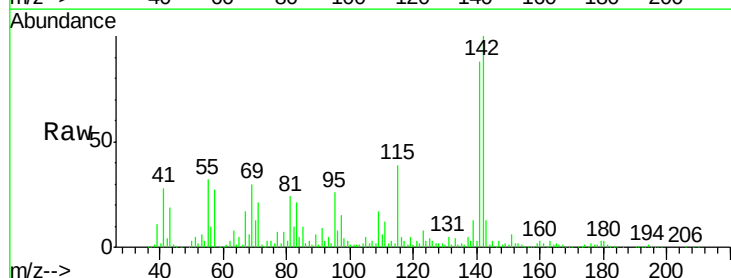
Tgt Ion:142 Resp: 2264661

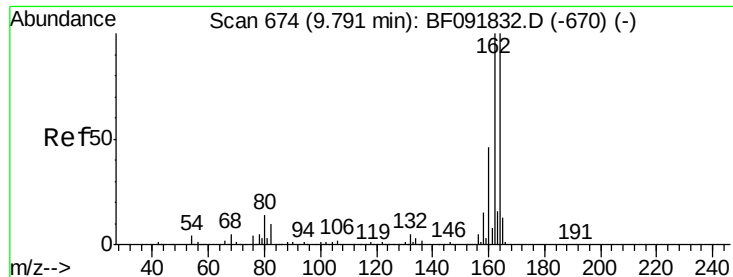
Ion Ratio Lower Upper

142 100

141 87.8 71.0 106.6

115 38.9 28.3 42.5

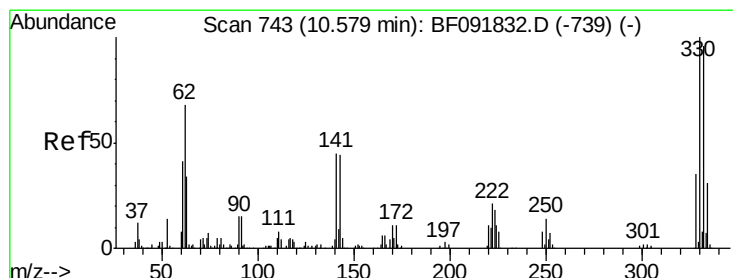
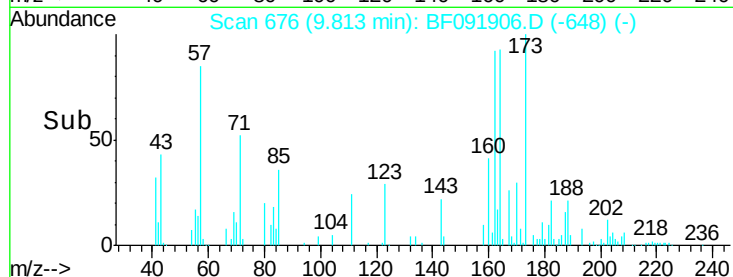
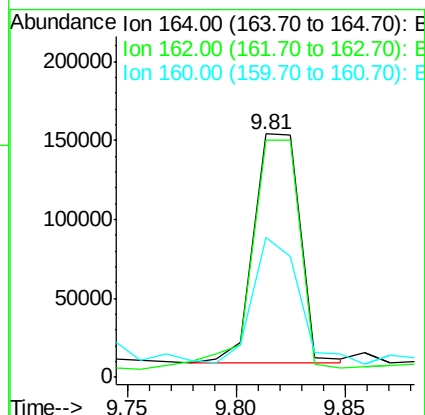
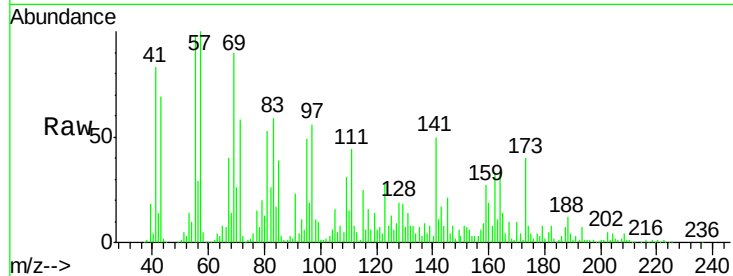




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. 0.02 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

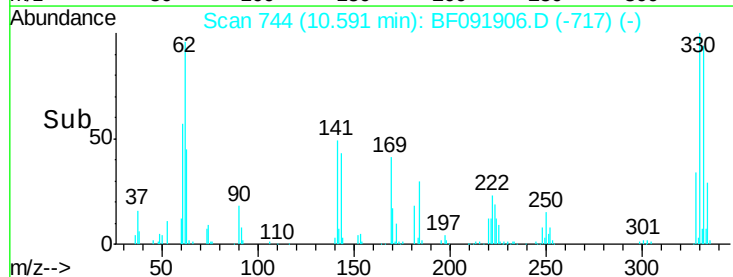
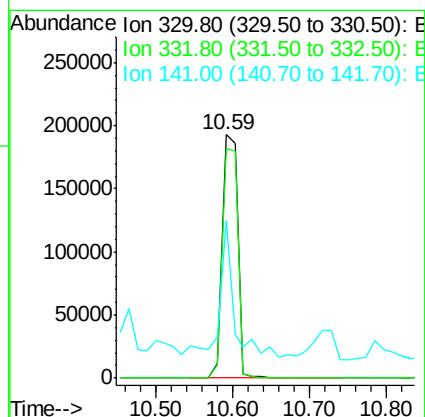
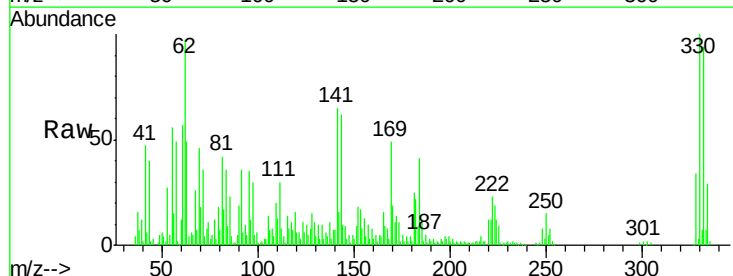
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(13-15)-121916RE

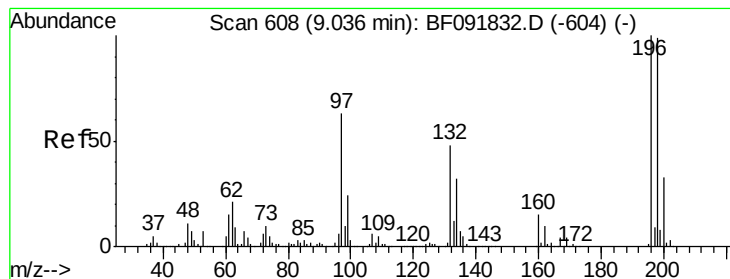
Tgt Ion:164 Resp: 213791
 Ion Ratio Lower Upper
 164 100
 162 97.3 80.2 120.2
 160 57.5 36.9 55.3#



#41
 2,4,6-Tribromophenol
 Concen: 155.07 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

Tgt Ion:330 Resp: 274368
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.4 116.2
 141 45.9 34.1 51.1





#42

2,4,6-Trichlorophenol

Concen: 10.67 ng

RT: 9.07 min Scan# 611

Delta R.T. 0.03 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

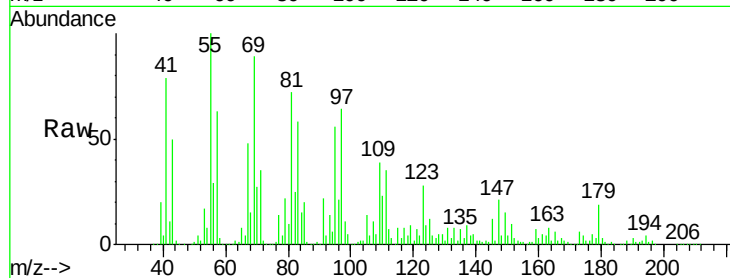
Tgt Ion:196 Resp: 40309

Ion Ratio Lower Upper

196 100

198 0.0 82.1 123.1#

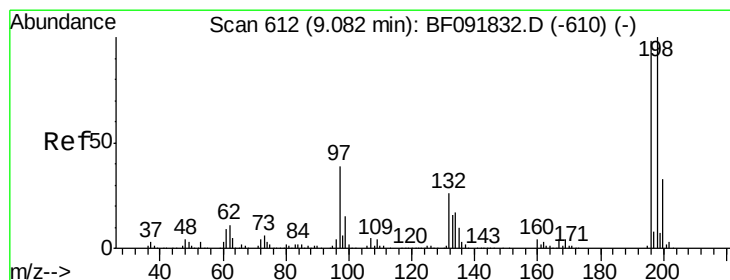
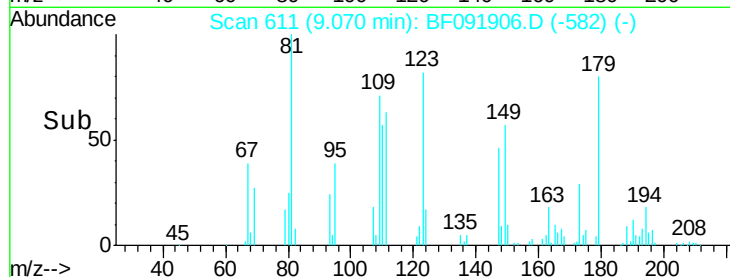
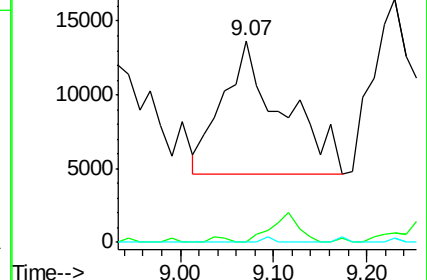
200 0.0 27.0 40.4#



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: 10.37 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Tgt Ion:196 Resp: 40309

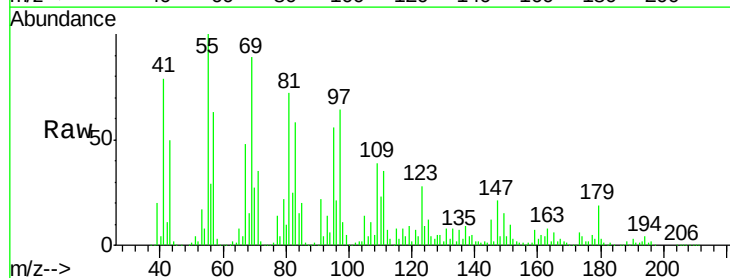
Ion Ratio Lower Upper

196 100

198 0.0 79.4 119.2#

97 3072.5 51.5 77.3#

132 120.5 27.4 41.2#

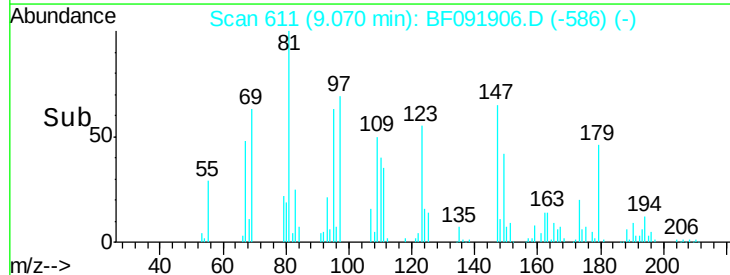
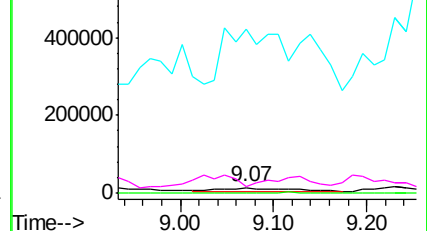


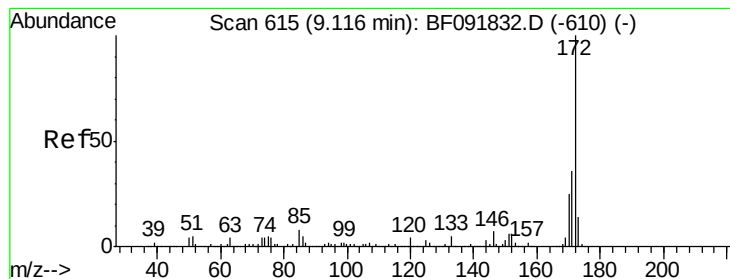
Abundance Ion 196.00 (195.70 to 196.70): E

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: 138.48 ng

RT: 9.15 min Scan# 618

Delta R.T. 0.03 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

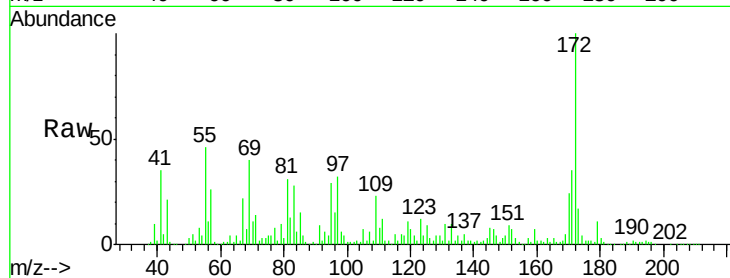
Tgt Ion:172 Resp: 1360276

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

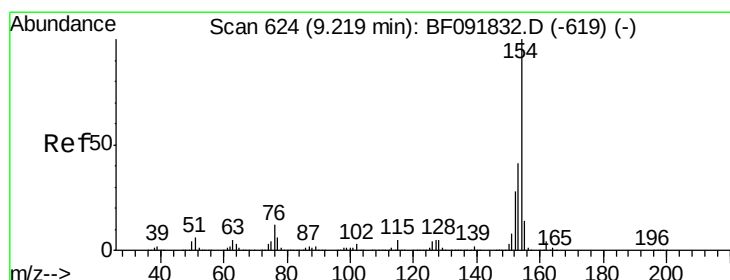
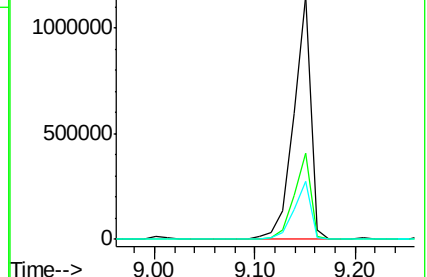
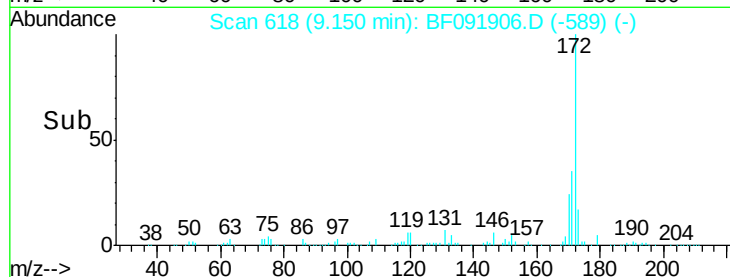
170 23.7 20.2 30.4



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: 2.73 ng

RT: 8.99 min Scan# 604

Delta R.T. -0.23 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

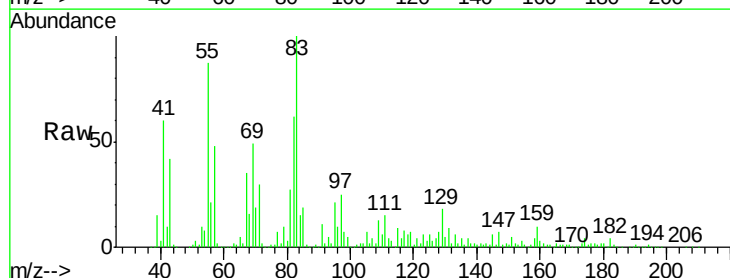
Tgt Ion:154 Resp: 39913

Ion Ratio Lower Upper

154 100

153 44.8 20.9 60.9

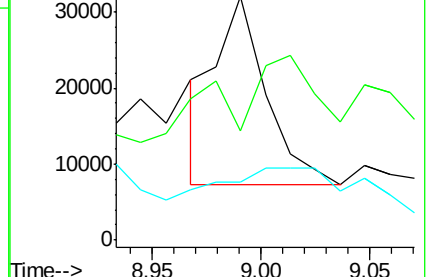
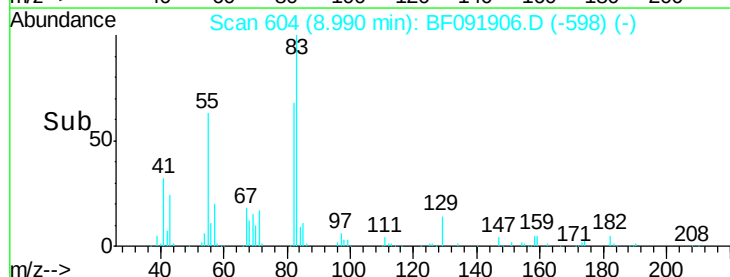
76 24.0 0.0 30.5

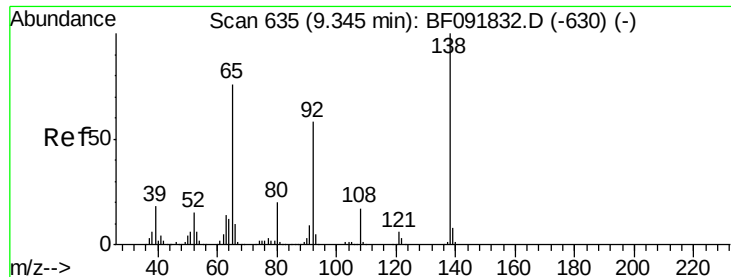


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

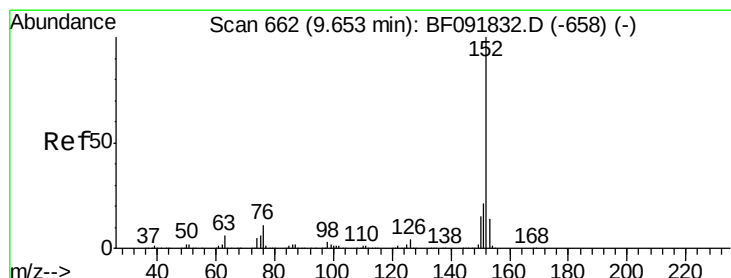
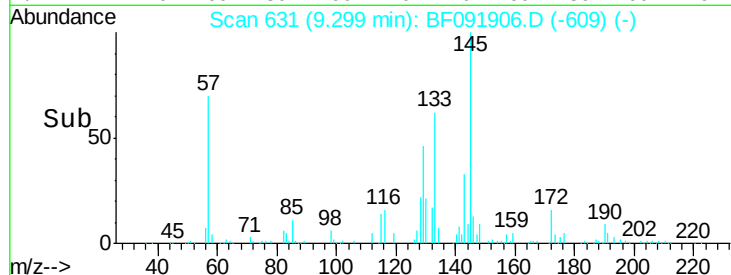
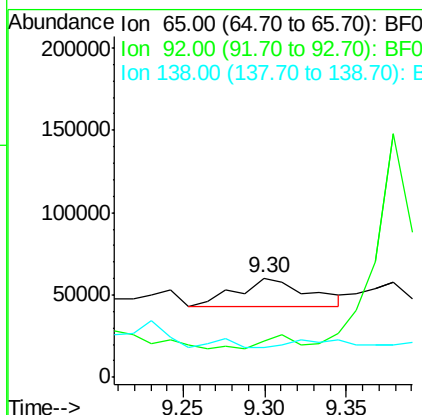
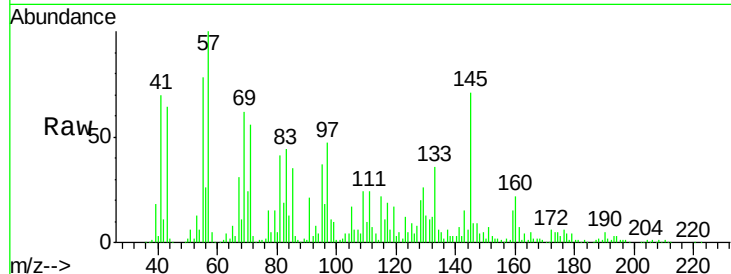




#47
 2-Nitroaniline
 Concen: 12.77 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.05 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

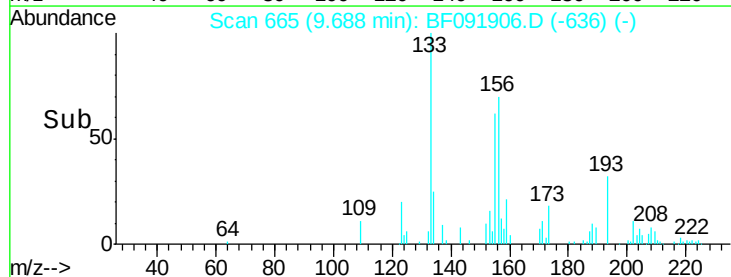
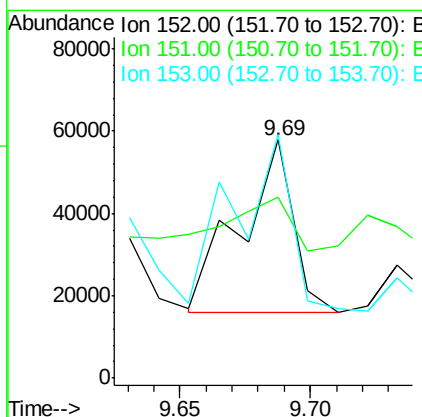
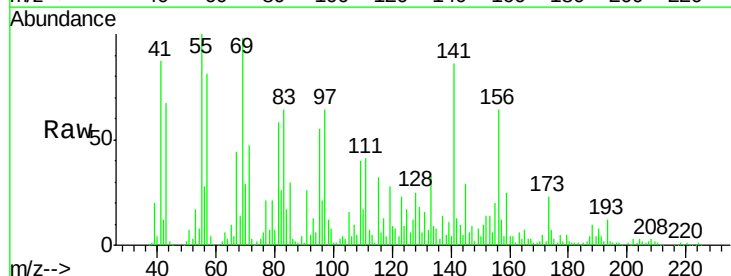
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(13-15)-121916RE

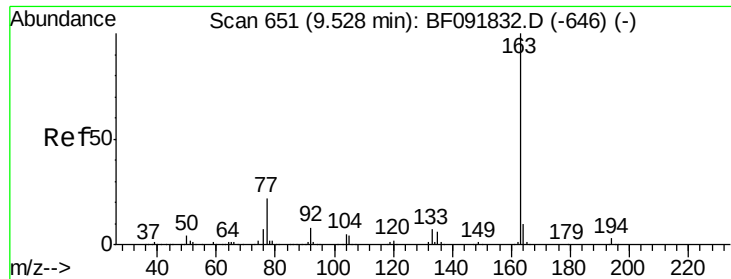
Tgt Ion: 65 Resp: 52697
 Ion Ratio Lower Upper
 65 100
 92 36.4 53.9 80.9#
 138 30.0 76.8 115.2#



#48
 Acenaphthylene
 Concen: 3.32 ng
 RT: 9.69 min Scan# 665
 Delta R.T. 0.03 min
 Lab File: BF091906.D
 Acq: 23 Dec 2016 5:33

Tgt Ion: 152 Resp: 59113
 Ion Ratio Lower Upper
 152 100
 151 75.9 16.9 25.3#
 153 102.4 11.4 17.2#

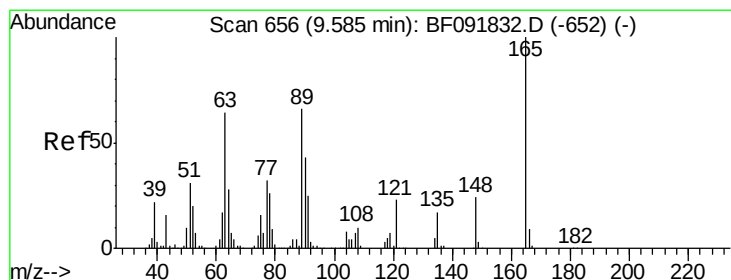
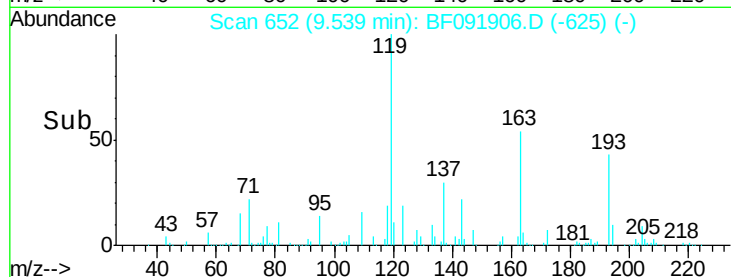
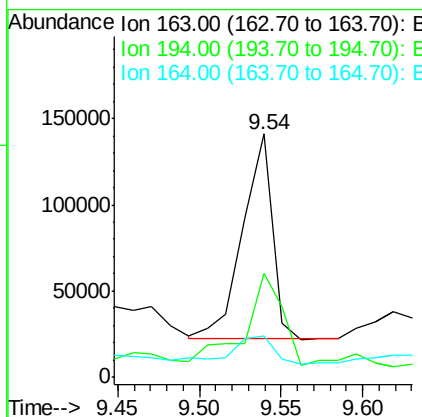
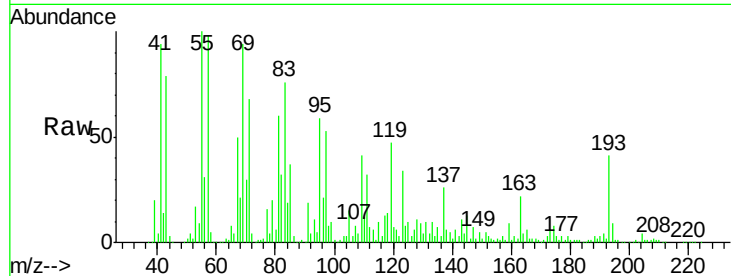




#49
Dimethylphthalate
Concen: 10.95 ng
RT: 9.54 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

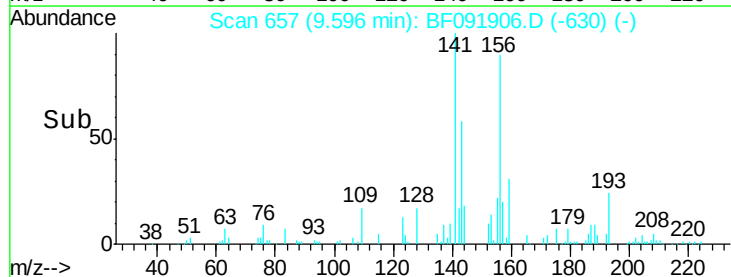
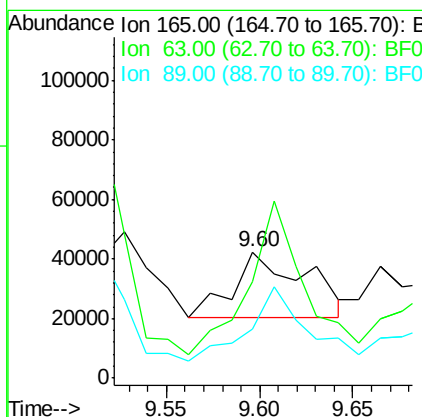
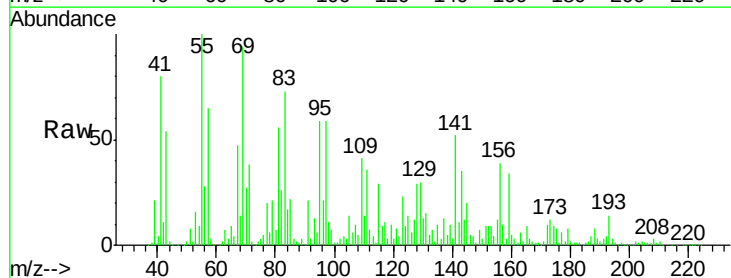
Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916RE

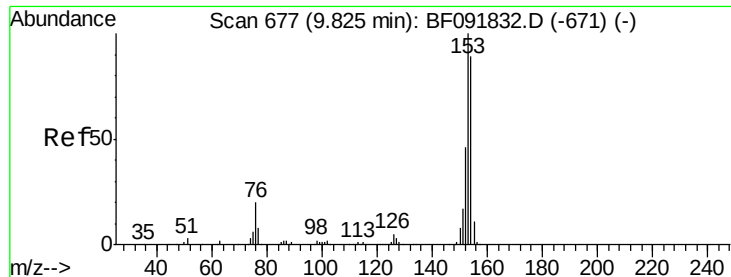
Tgt Ion:163 Resp: 149691
Ion Ratio Lower Upper
163 100
194 43.0 3.0 4.4#
164 16.7 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 19.67 ng
RT: 9.60 min Scan# 657
Delta R.T. 0.01 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

Tgt Ion:165 Resp: 58863
Ion Ratio Lower Upper
165 100
63 76.5 36.2 54.4#
89 38.4 40.2 60.4#





#51

Acenaphthene

Concen: 3.68 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.02 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

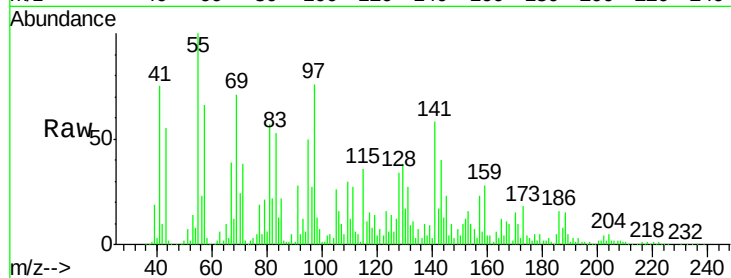
Tgt Ion:154 Resp: 44503

Ion Ratio Lower Upper

154 100

153 151.6 88.6 133.0#

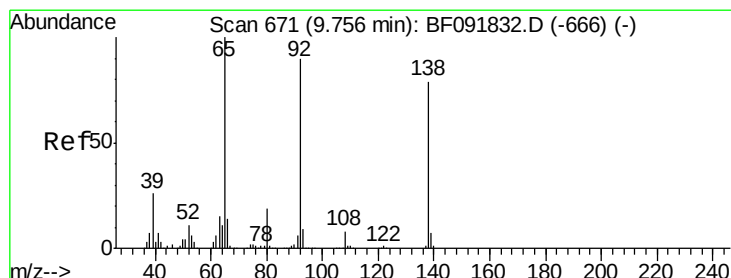
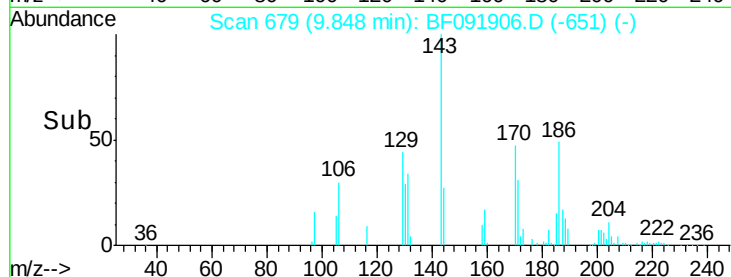
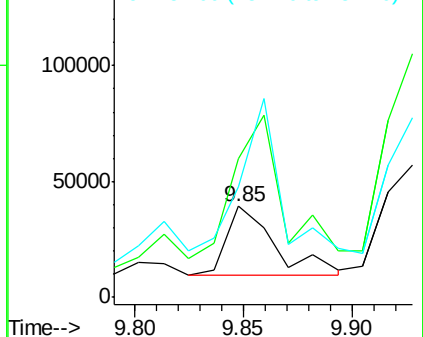
152 121.4 41.6 62.4#



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: 11.23 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

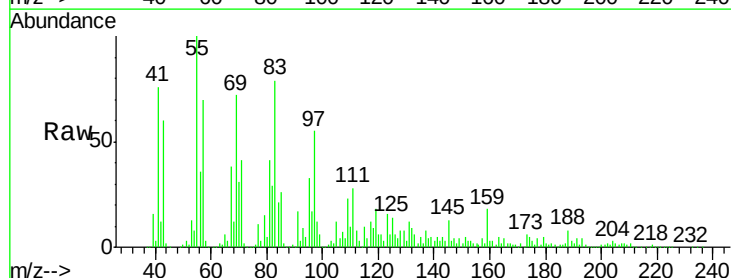
Tgt Ion:138 Resp: 41609

Ion Ratio Lower Upper

138 100

108 94.9 8.5 12.7#

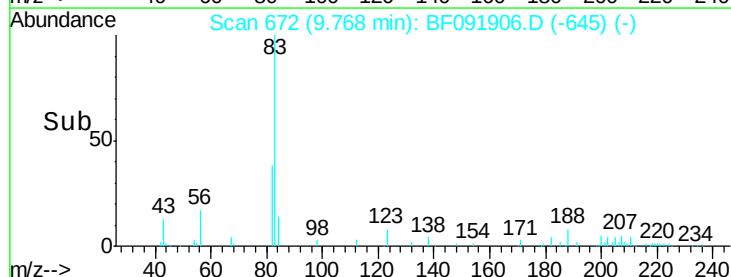
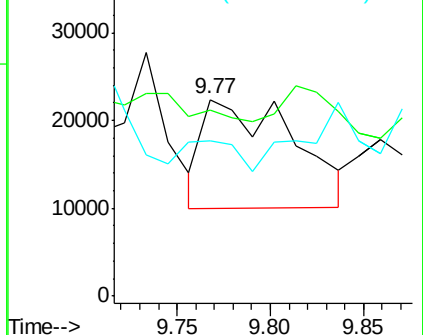
92 78.9 97.8 146.8#

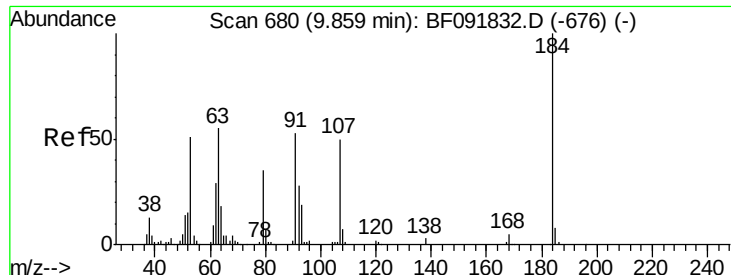


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

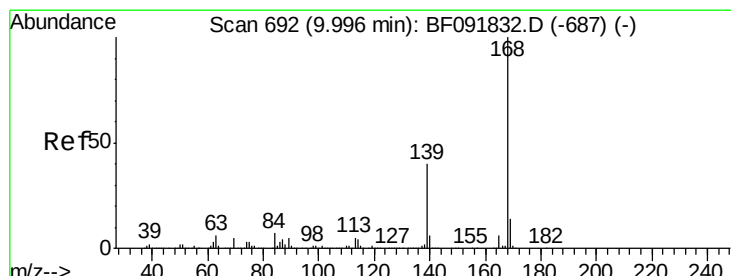
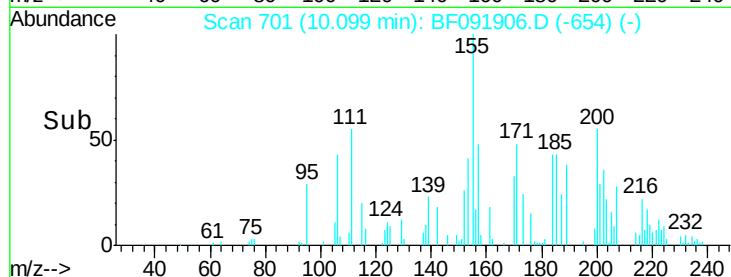
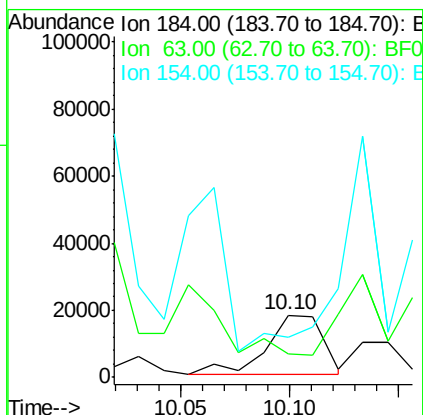
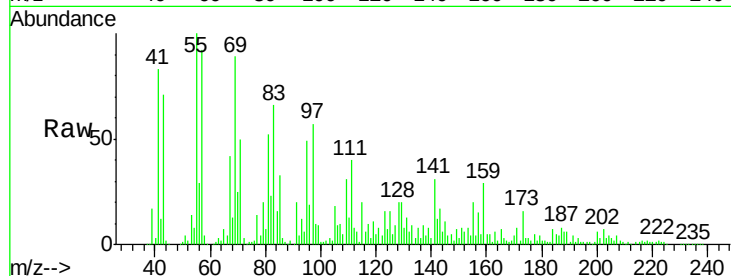




#53
2,4-Dinitrophenol
Concen: 19.00 ng
RT: 10.10 min Scan# 701
Delta R.T. 0.24 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

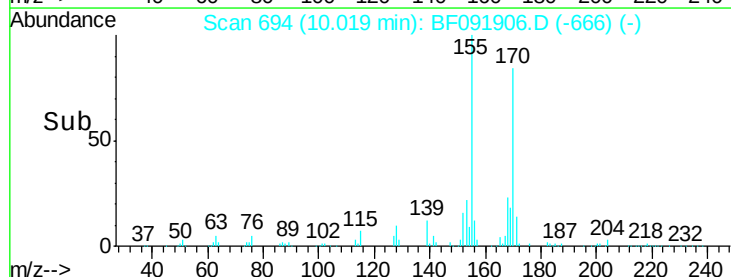
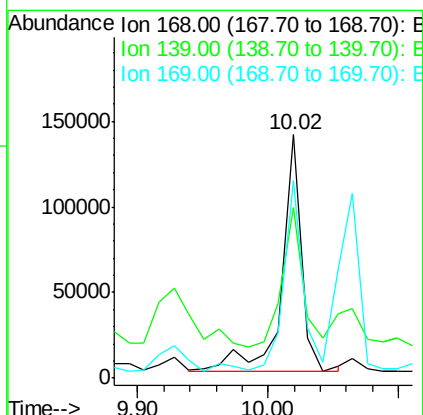
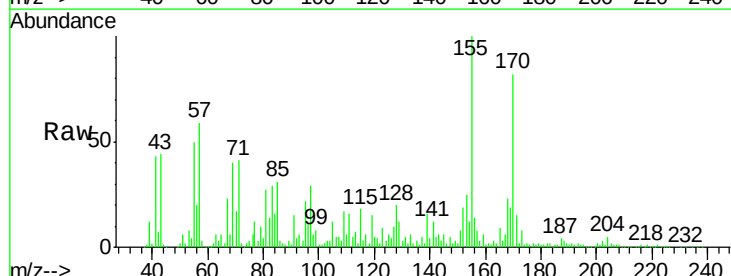
Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916RE

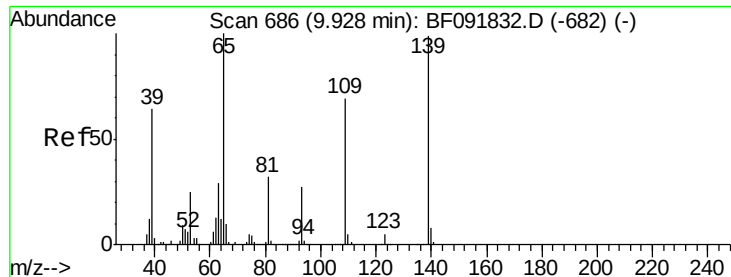
Tgt Ion:184 Resp: 31637
Ion Ratio Lower Upper
184 100
63 38.3 28.4 42.6
154 64.8 44.3 66.5



#54
Dibenzofuran
Concen: 9.04 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

Tgt Ion:168 Resp: 147542
Ion Ratio Lower Upper
168 100
139 69.9 32.6 49.0#
169 81.1 11.3 16.9#





#55

4-Nitrophenol

Concen: 28.70 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

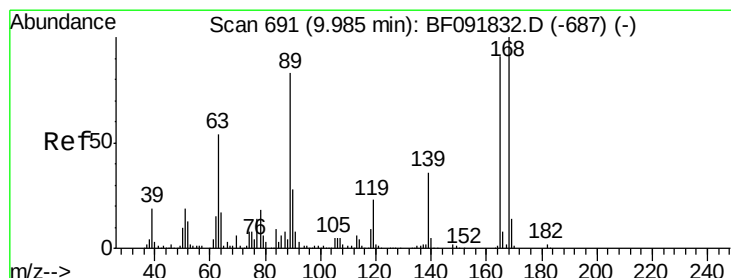
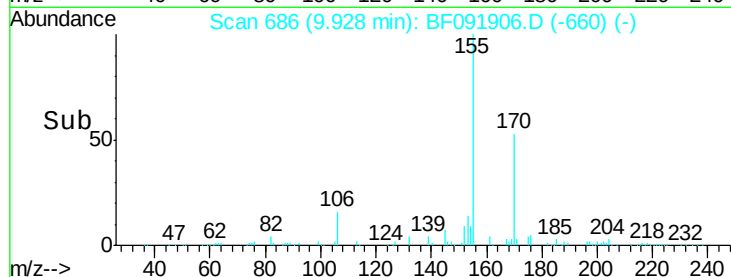
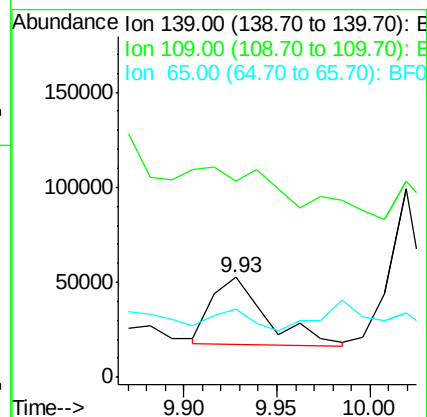
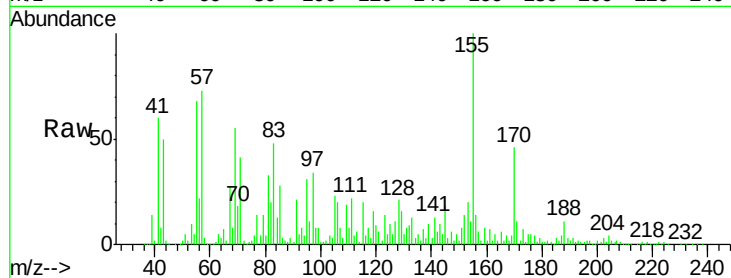
Tgt Ion:139 Resp: 72180

Ion Ratio Lower Upper

139 100

109 196.6 52.2 92.2#

65 68.2 85.8 125.8#



#56

2,4-Dinitrotoluene

Concen: 18.23 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.03 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Tgt Ion:165 Resp: 68490

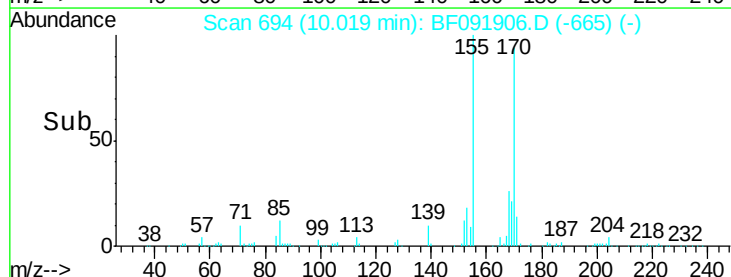
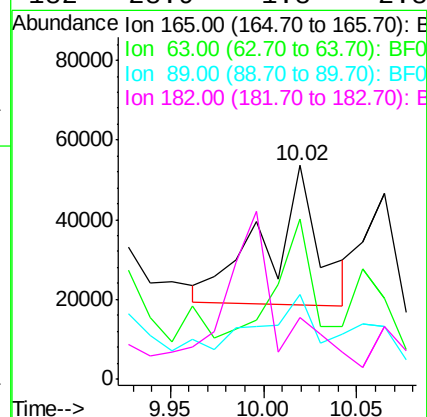
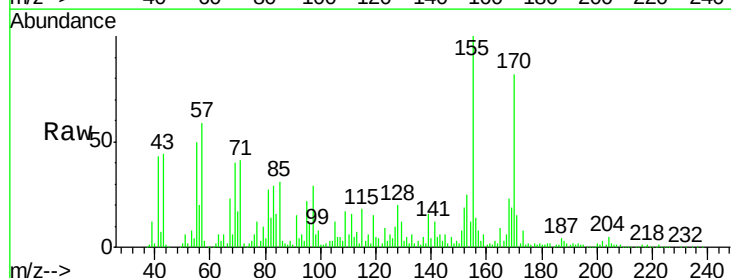
Ion Ratio Lower Upper

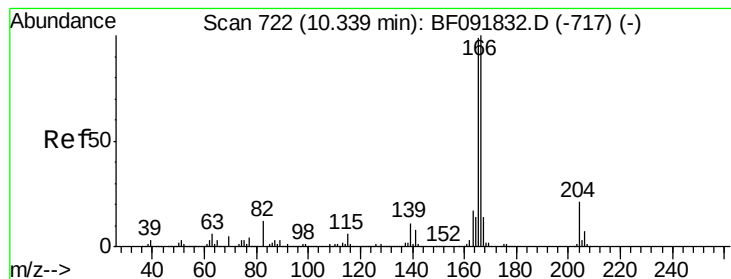
165 100

63 74.8 40.2 60.4#

89 39.8 62.5 93.7#

182 28.9 1.8 2.8#





#57

Fluorene

Concen: 12.17 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

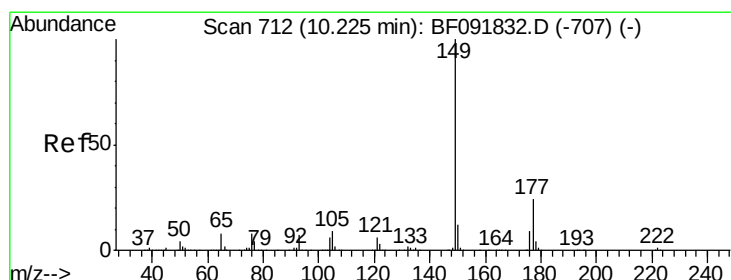
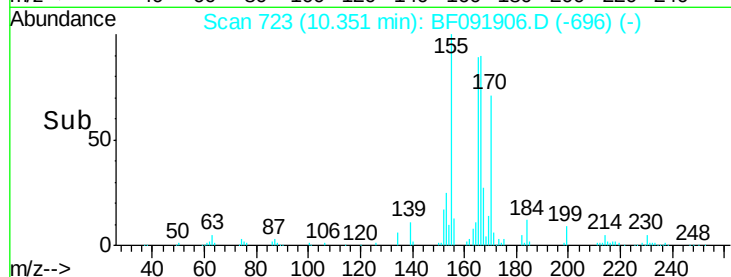
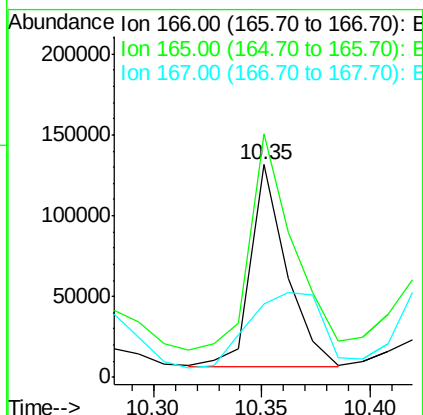
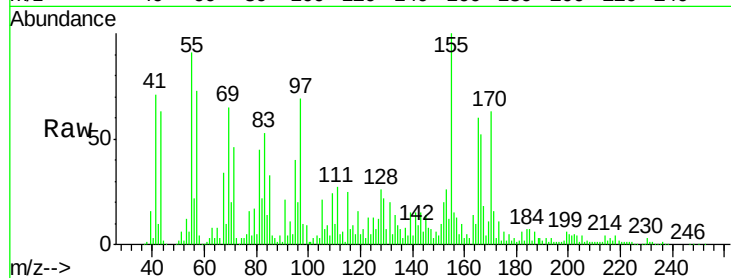
Tgt Ion:166 Resp: 144583

Ion Ratio Lower Upper

166 100

165 114.5 77.8 116.8

167 34.6 10.8 16.2#



#59

Diethylphthalate

Concen: 2.17 ng

RT: 10.22 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

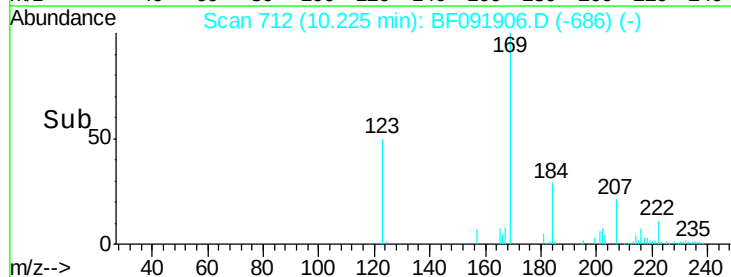
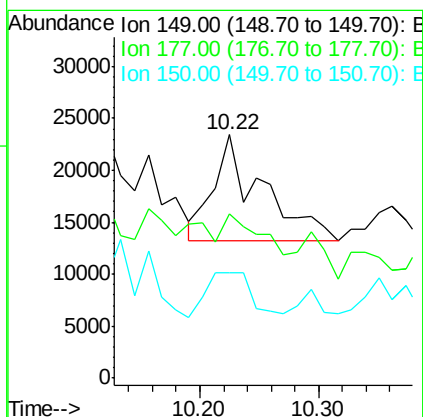
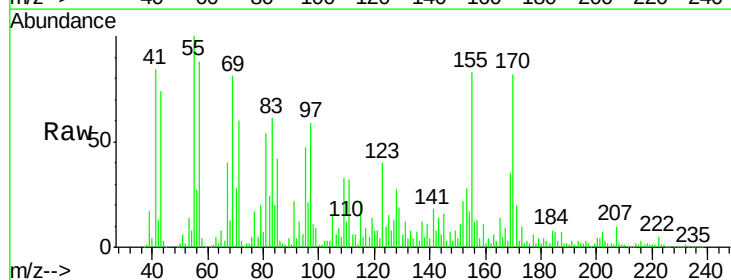
Tgt Ion:149 Resp: 28776

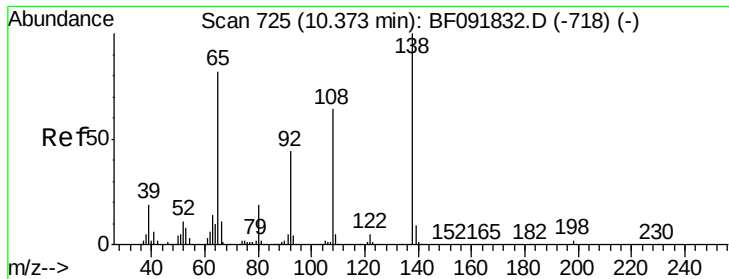
Ion Ratio Lower Upper

149 100

177 67.5 16.6 25.0#

150 43.1 10.4 15.6#

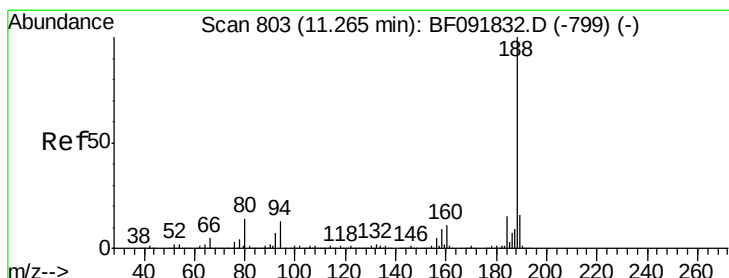
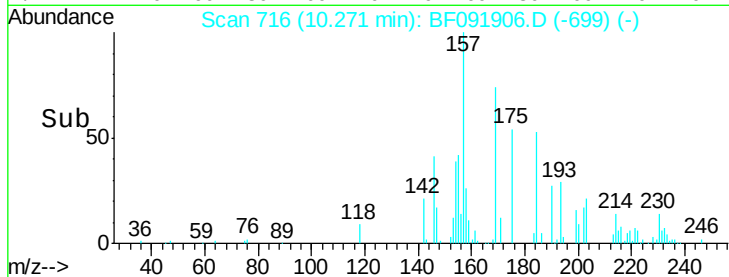
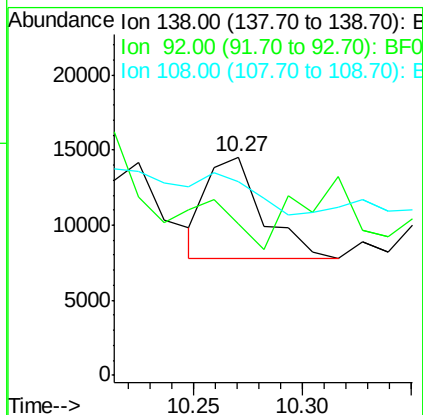
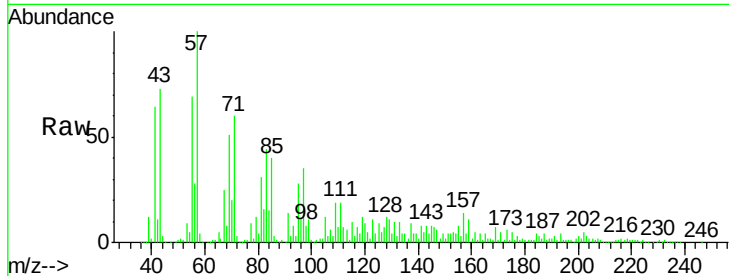




#61
4-Nitroaniline
Concen: 3.11 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.10 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

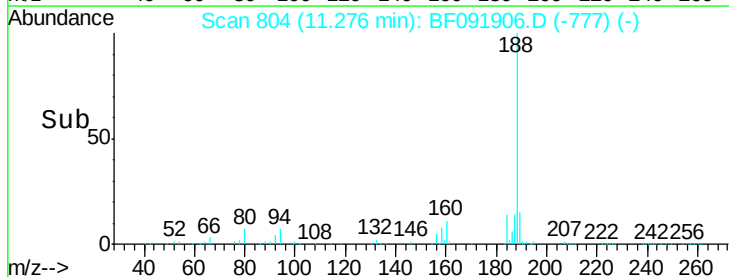
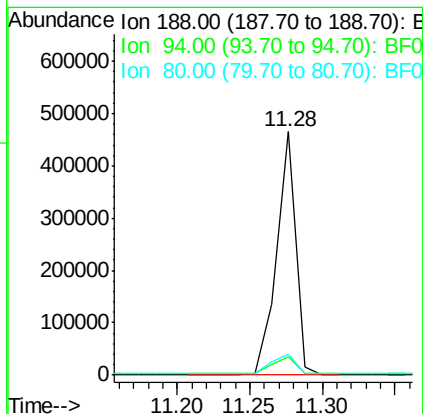
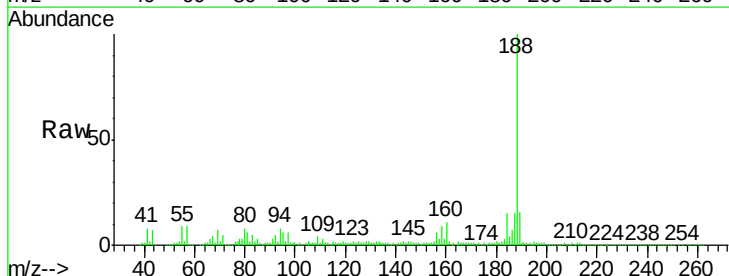
Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916RE

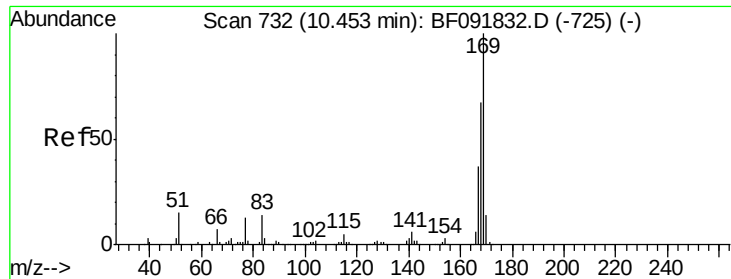
Tgt Ion:138 Resp: 11921
Ion Ratio Lower Upper
138 100
92 69.4 31.7 71.7
108 88.5 52.6 92.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

Tgt Ion:188 Resp: 426109
Ion Ratio Lower Upper
188 100
94 7.7 10.0 15.0#
80 8.4 11.2 16.8#





#65

n-Nitrosodiphenylamine

Concen: 14.01 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

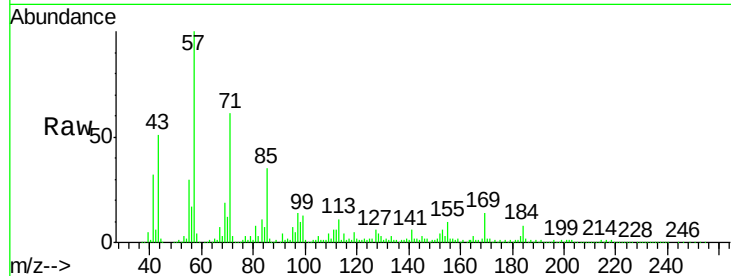
Tgt Ion:169 Resp: 177161

Ion Ratio Lower Upper

169 100

168 17.5 54.2 81.2#

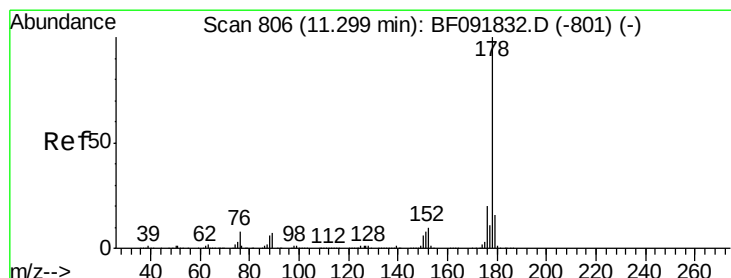
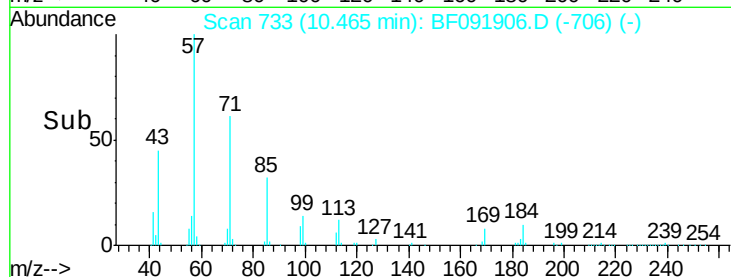
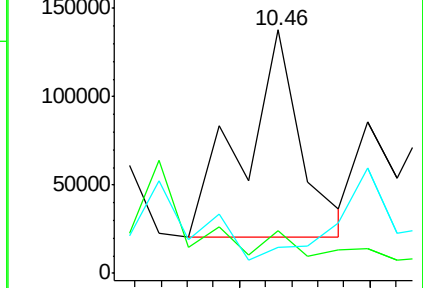
167 10.5 30.2 45.4#



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: 4.95 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

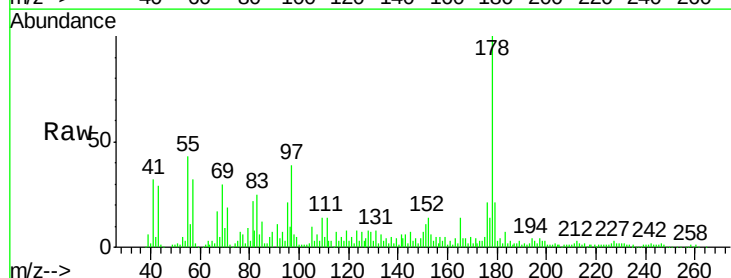
Tgt Ion:178 Resp: 114311

Ion Ratio Lower Upper

178 100

176 20.8 16.6 25.0

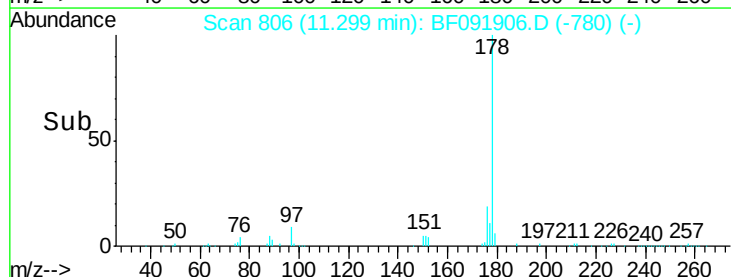
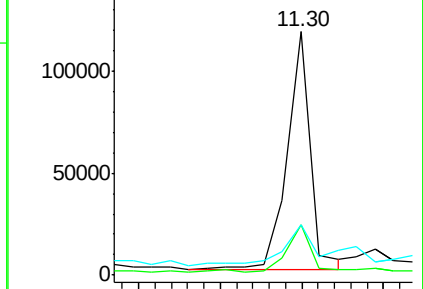
179 20.9 12.8 19.2#

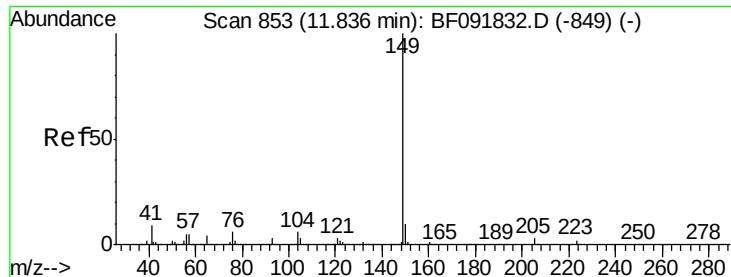


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

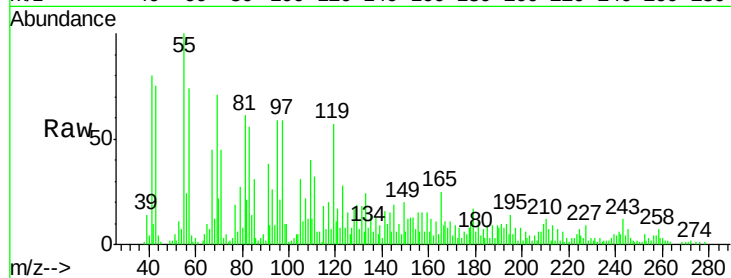
Tgt Ion:149 Resp: 10980

Ion Ratio Lower Upper

149 100

150 28.3 8.1 12.1#

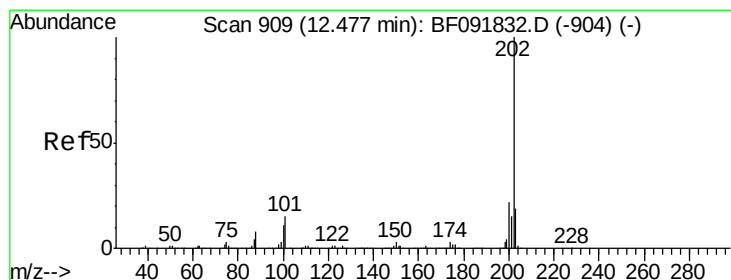
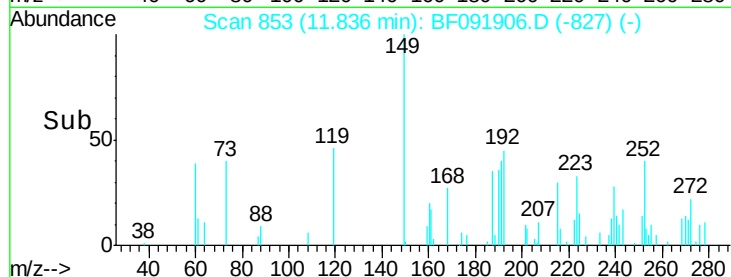
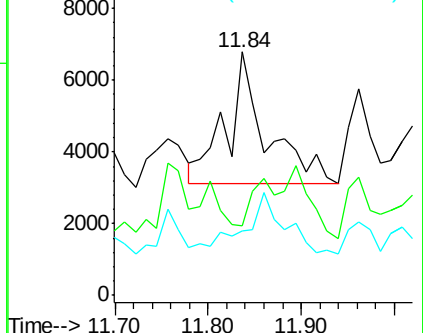
104 26.6 4.6 7.0#



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: Below Cal

RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

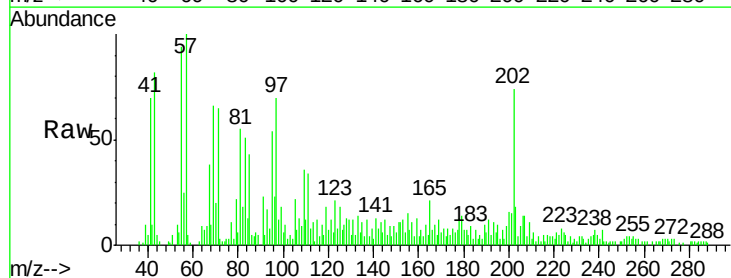
Tgt Ion:202 Resp: 17438

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.6

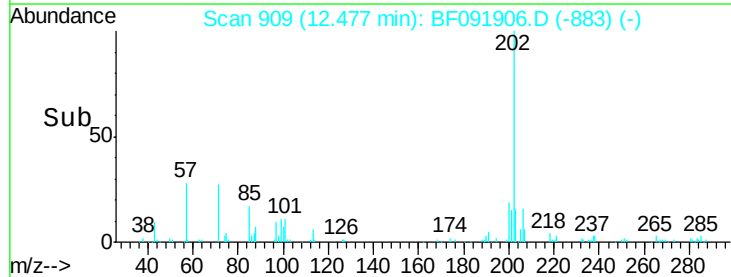
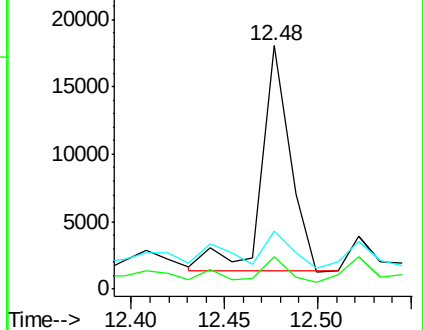
203 24.0 0.0 38.7

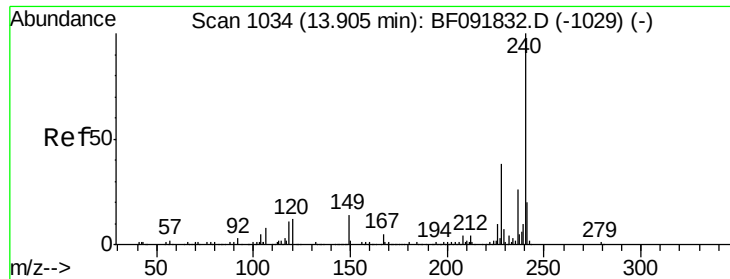


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916RE

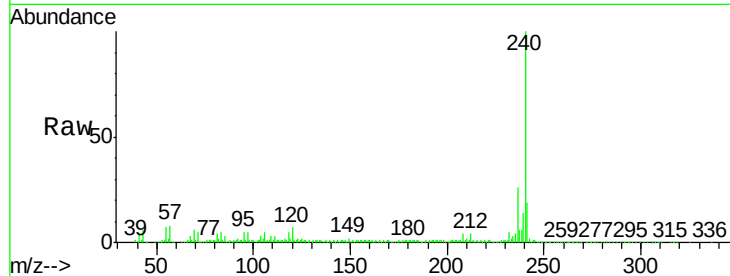
Tgt Ion:240 Resp: 317602

Ion Ratio Lower Upper

240 100

120 6.9 12.9 19.3#

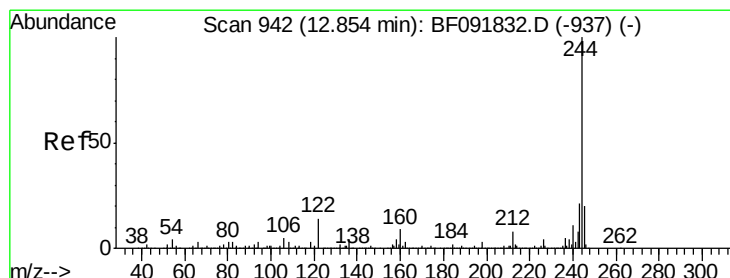
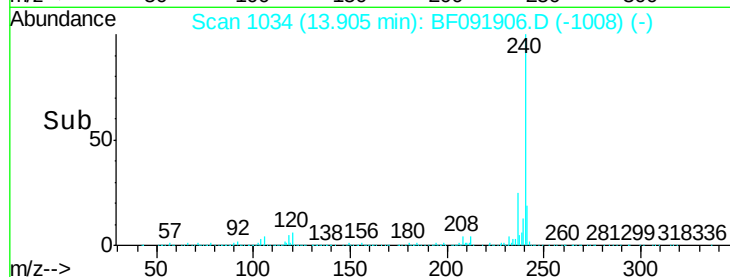
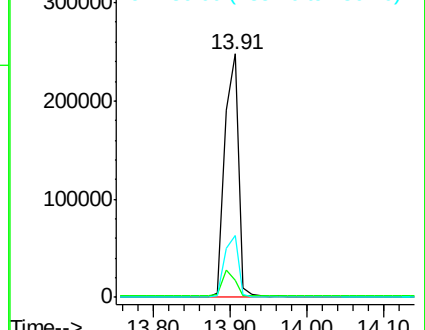
236 25.6 20.9 31.3



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



#78

Terphenyl-d14

Concen: 86.41 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF091906.D

Acq: 23 Dec 2016 5:33

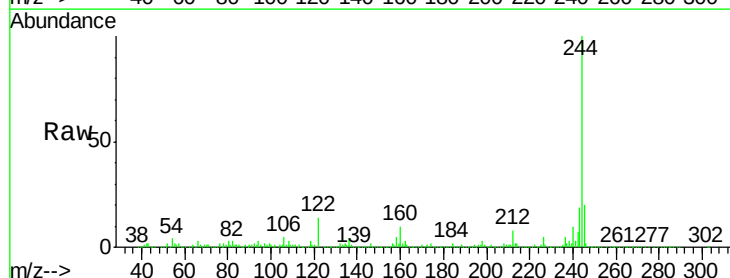
Tgt Ion:244 Resp: 1131529

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

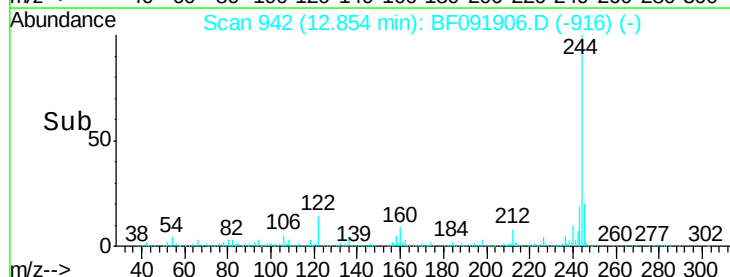
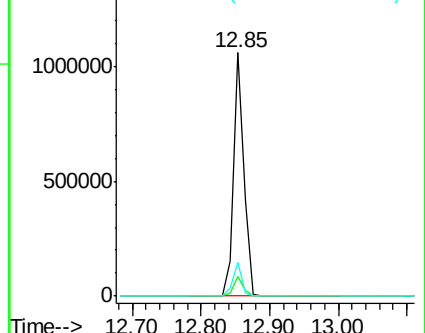
122 14.0 11.4 17.2

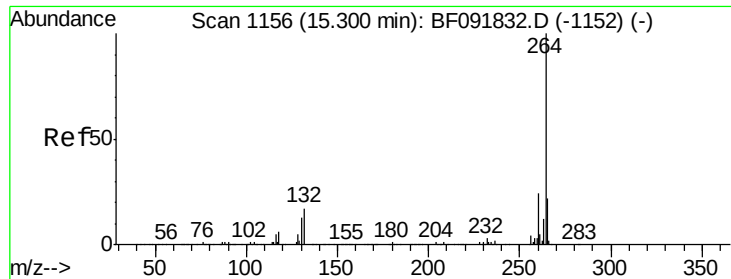


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF091906.D
Acq: 23 Dec 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916RE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	17.4	26.0

