

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF102001.D
 Acq On : 11 Jan 2018 1:17
 Operator : SJ/JU
 Sample : J1076-16MSD 50X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-53-01MSD

Quant Time: Jan 11 02:00:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	211985	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	703355	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	361500	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	507324	20.00	ng	0.00
75) Chrysene-d12	13.88	240	287718	20.00	ng	0.00
86) Perylene-d12	15.30	264	382462	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	6935	0.46	ng	0.00
7) Phenol-d6	6.35	99	8191	0.46	ng	0.00
23) Nitrobenzene-d5	7.29	82	4687	0.39	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	1095	0.35	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	9530	0.41	ng	-0.01
78) Terphenyl-d14	12.83	244	7808	0.56	ng	0.00

Target Compounds

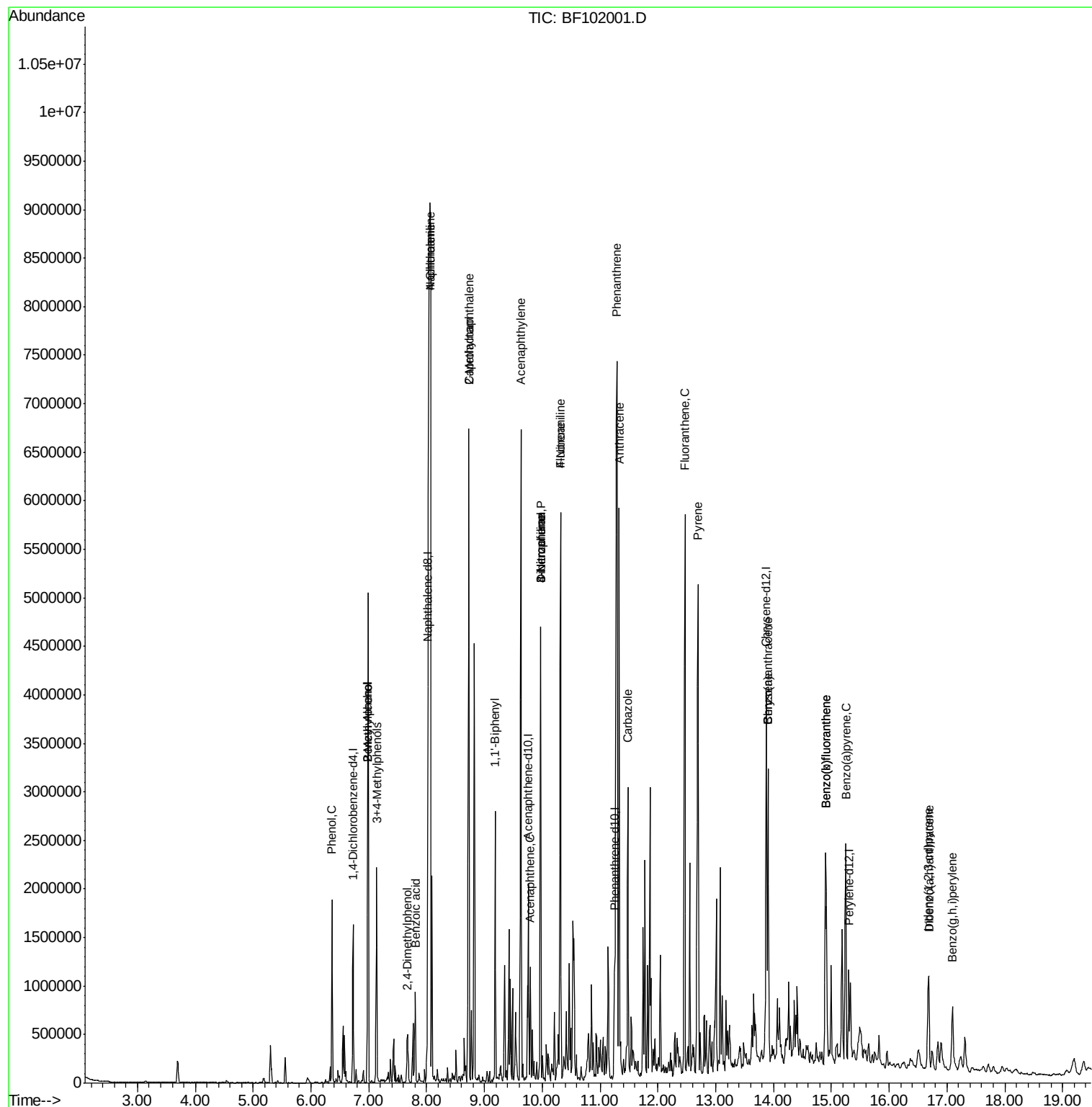
						Qvalue
10) Phenol	6.36	94	547241	27.035	ng	99
15) Benzyl Alcohol	6.97	79	66764	5.096	ng	# 1
17) 2-Methylphenol	6.97	107	161836	11.915	ng	97
20) 3+4-Methylphenols	7.13	107	488278	29.941	ng	89
27) 2,4-Dimethylphenol	7.67	122	138743	13.800	ng	97
31) Naphthalene	8.06	128	11271860	320.720	ng	97
32) Benzoic acid	7.80	122	121189	15.897	ng	# 13
33) 4-Chloroaniline	8.07	127	1662853	110.852	ng	# 39
35) Caprolactam	8.73	113	51599	15.745	ng	# 1
37) 2-Methylnaphthalene	8.73	142	2325194	100.496	ng	98
45) 1,1'-Biphenyl	9.19	154	754090	23.600	ng	99
48) Acenaphthylene	9.63	152	3317786	84.374	ng	98
51) Acenaphthene	9.79	154	207578	8.697	ng	99
52) 3-Nitroaniline	9.97	138	36162	4.946	ng	# 10
54) Dibenzofuran	9.97	168	2034528	62.112	ng	98
55) 4-Nitrophenol	9.97	139	806075	147.952	ng	# 10
57) Fluorene	10.32	166	2125473	93.865	ng	99
61) 4-Nitroaniline	10.32	138	25782	3.716	ng	# 24
70) Phenanthrene	11.29	178	4765291	160.802	ng	98
71) Anthracene	11.33	178	2667560	88.756	ng	99
72) Carbazole	11.48	167	1079317	36.536	ng	99
74) Fluoranthene	12.47	202	3051144	104.648	ng	100
77) Pyrene	12.69	202	2405156	94.570	ng	98
80) Benzo(a)anthracene	13.91	228	1135490	61.855	ng	94
82) Chrysene	13.91	228	1135490	59.321	ng	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	578405	41.517	ng	99
87) Benzo(b)fluoranthene	14.90	252	1828457	73.321	ng	# 94
88) Benzo(k)fluoranthene	14.90	252	1828457	76.006	ng	# 97
89) Benzo(a)pyrene	15.25	252	1090136	48.579	ng	96
90) Dibenzo(a,h)anthracene	16.69	278	175816	9.818	ng	94
91) Benzo(g,h,i)perylene	17.10	276	483146	26.783	ng	96

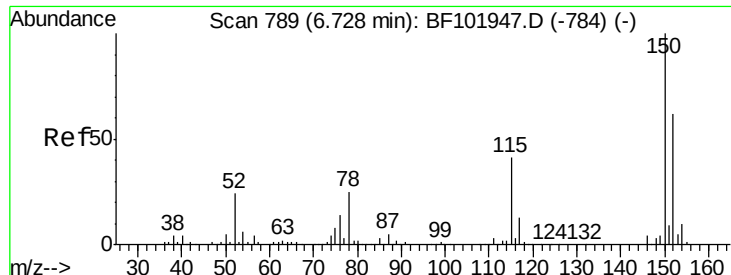
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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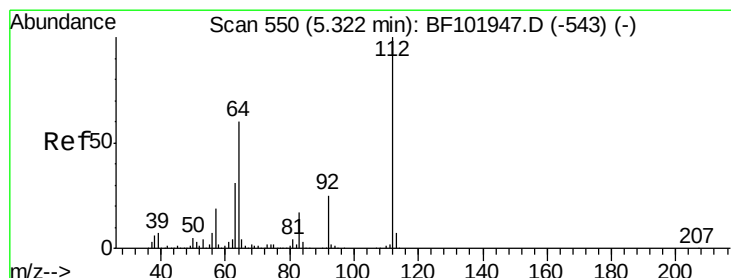
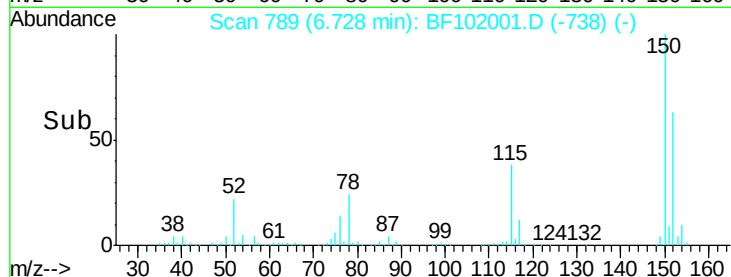
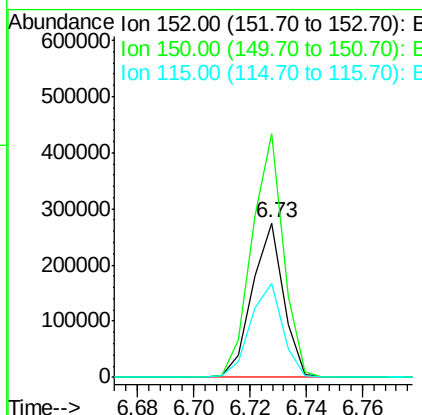
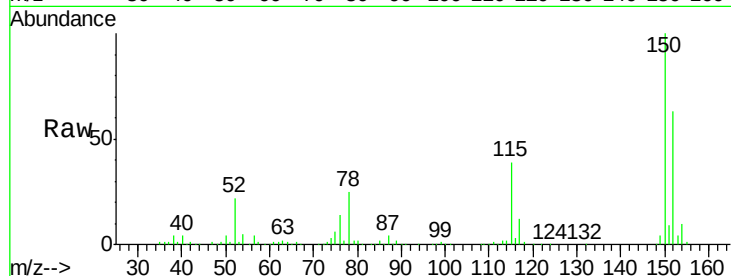


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

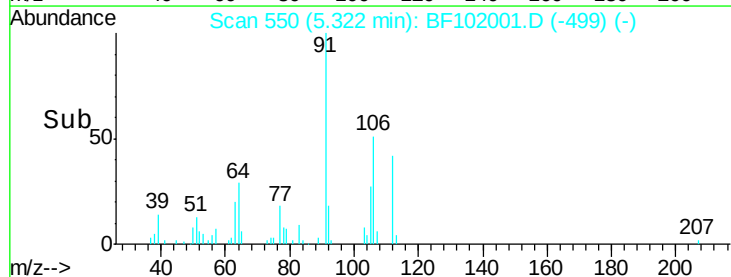
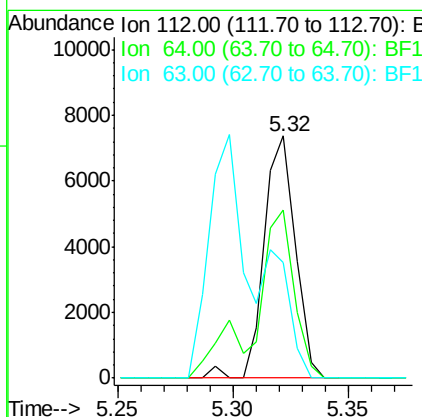
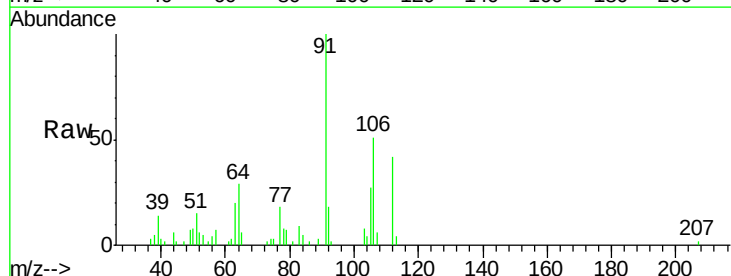
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	60.9	50.1	75.1

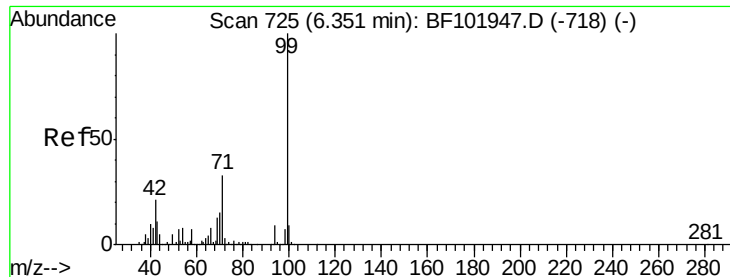


#5

2-Fluorophenol
Concen: 0.462 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	47.9	71.9
63	47.7	23.7	35.5





#7

Phenol-d6

Concen: 0.457 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

BNA_F

ClientSampleId :

WC-53-01MSD

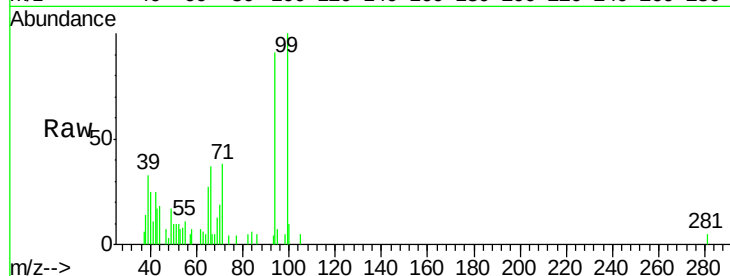
Tot Ion: 99 Resp: 8191

Ion Ratio Lower Upper

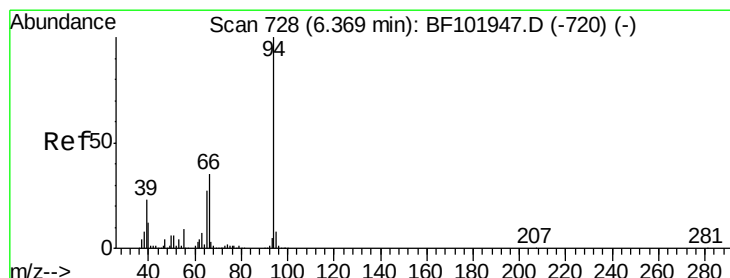
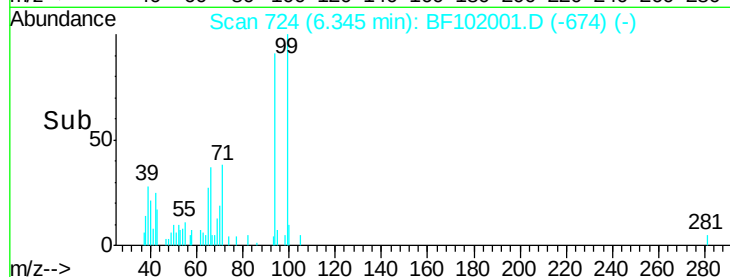
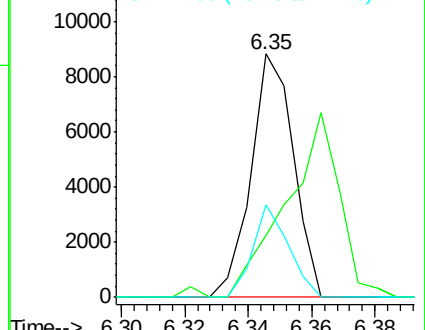
99 100

42 25.4 14.5 21.7#

71 38.1 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 27.035 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

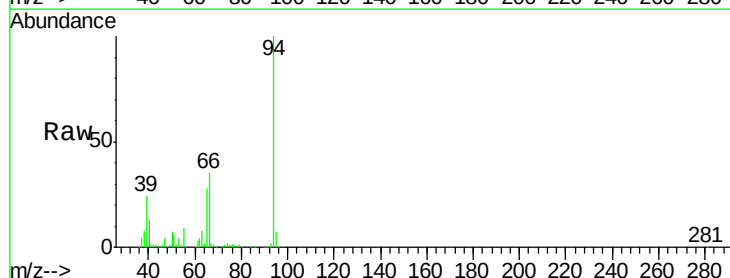
Tgt Ion: 94 Resp: 547241

Ion Ratio Lower Upper

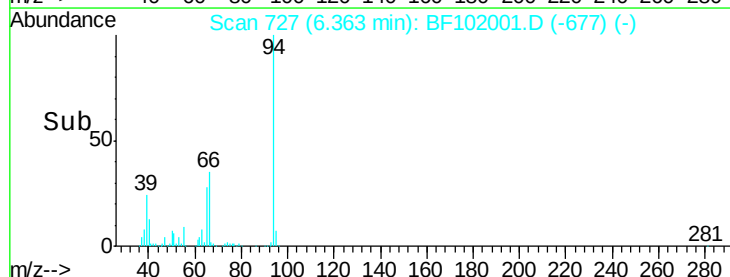
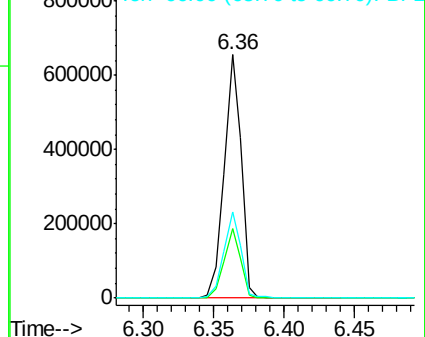
94 100

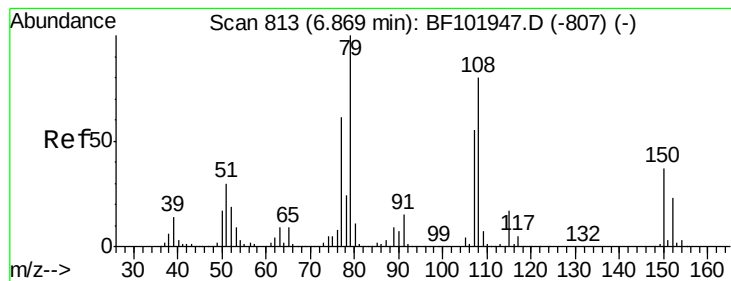
65 28.4 7.9 47.9

66 35.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 5.096 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.11 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

BNA_F

ClientSampleId :

WC-53-01MSD

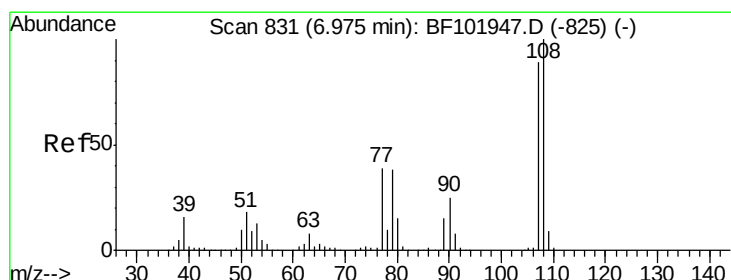
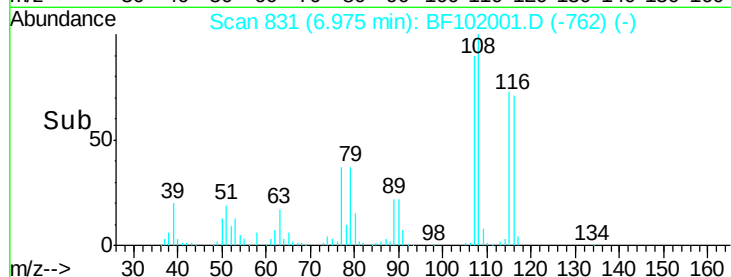
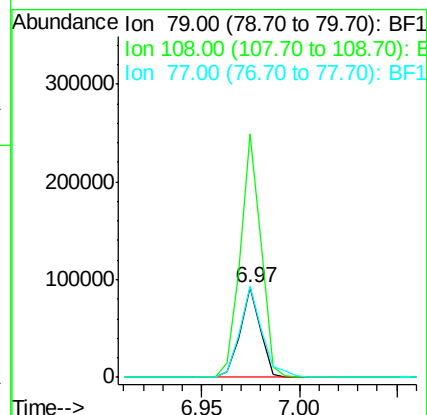
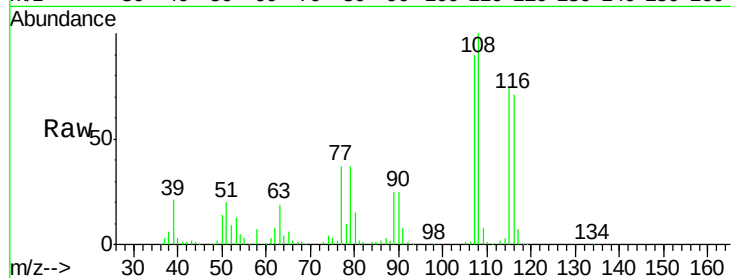
Tot Ion: 79 Resp: 66764

Ion Ratio Lower Upper

79 100

108 271.1 65.1 97.7#

77 101.4 50.6 75.8#



#17

2-Methylphenol

Concen: 11.915 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Tgt Ion: 107 Resp: 161836

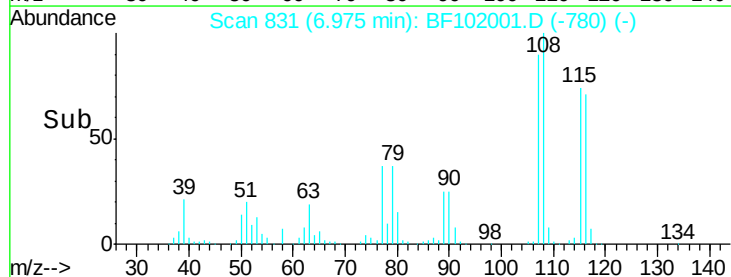
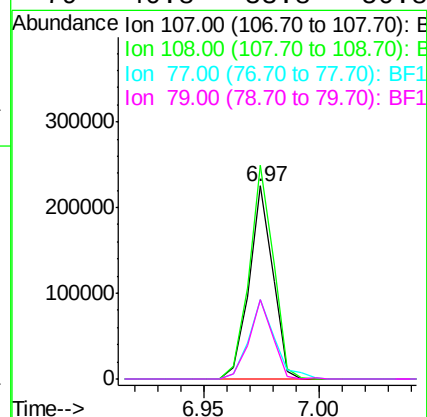
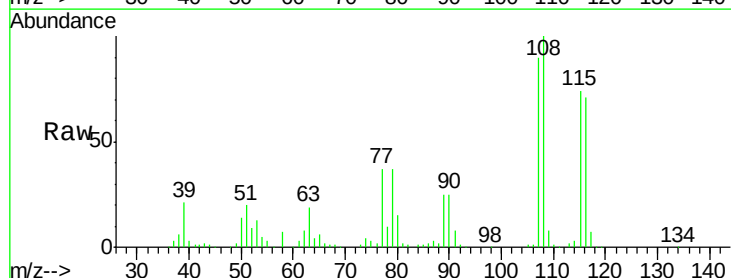
Ion Ratio Lower Upper

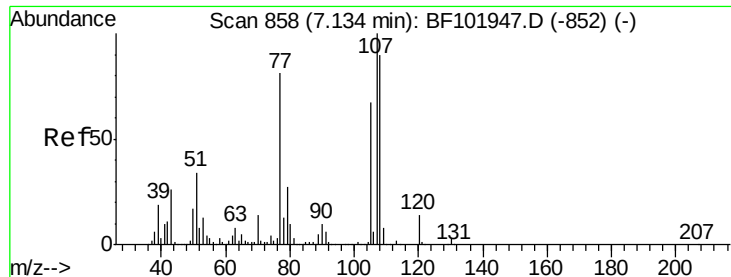
107 100

108 110.6 91.7 137.5

77 41.4 33.8 50.8

79 40.8 33.8 50.8





#20

3+4-Methylphenols

Concen: 29.941 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

BNA_F

ClientSampleId :

WC-53-01MSD

Tot Ion:107 Resp: 488278

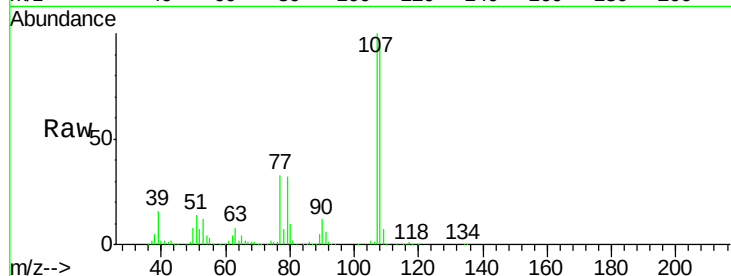
Ion Ratio Lower Upper

107 100

108 94.3 68.2 108.2

77 33.0 26.7 66.7

79 32.3 6.3 46.3

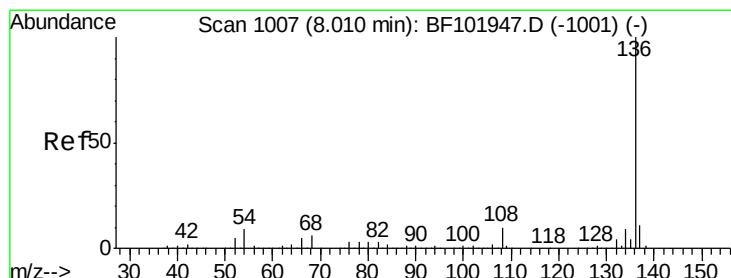
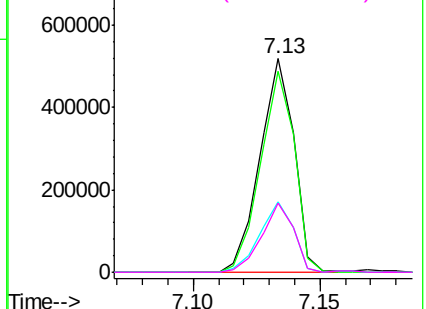
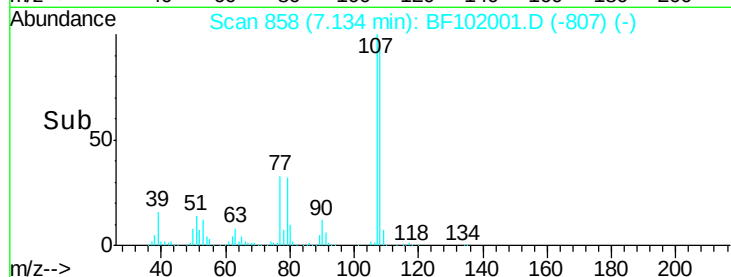


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Tgt Ion:136 Resp: 703355

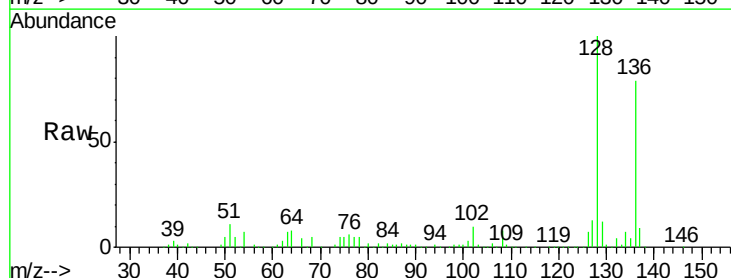
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.9 6.6 9.8

68 6.2 5.0 7.4

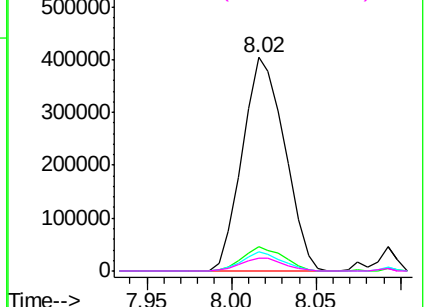
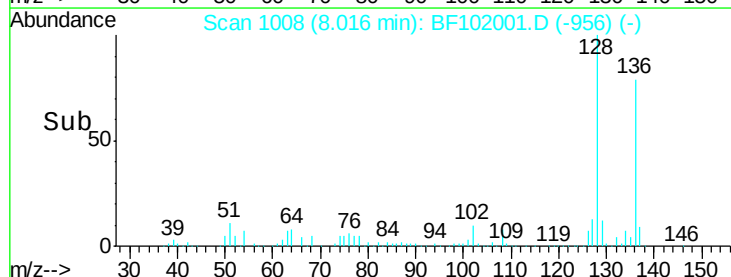


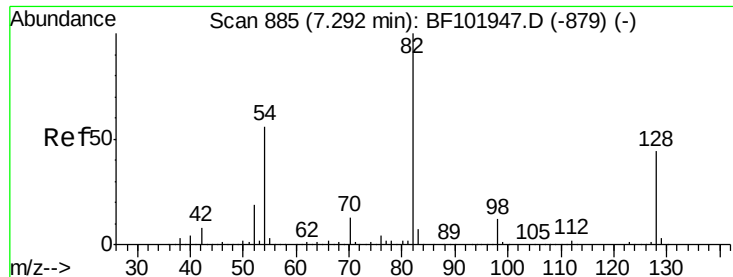
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 0.392 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

BNA_F

ClientSampleId :

WC-53-01MSD

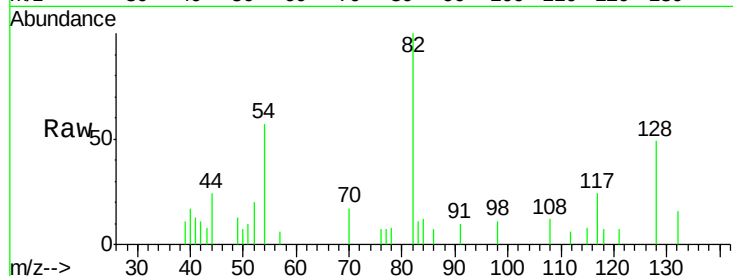
Tot Ion: 82 Resp: 4687

Ion Ratio Lower Upper

82 100

128 49.4 36.1 54.1

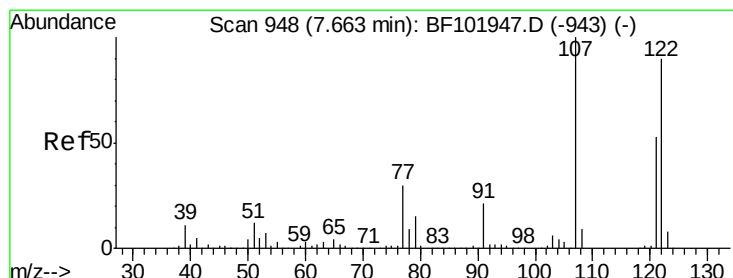
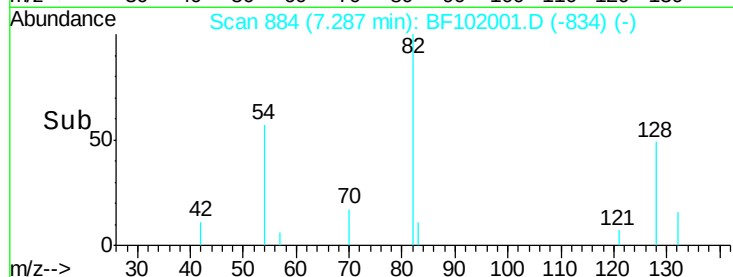
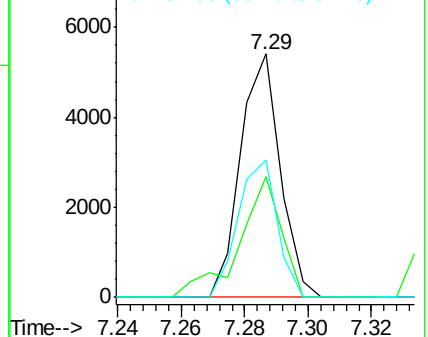
54 56.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#27

2,4-Dimethylphenol

Concen: 13.800 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

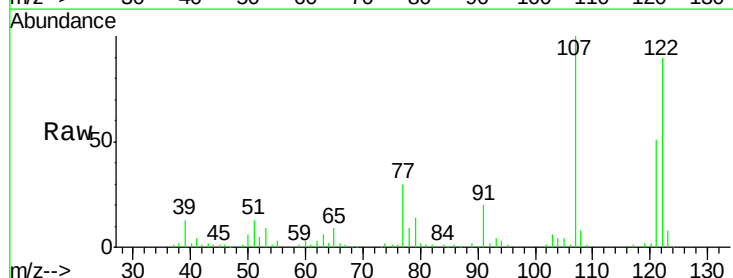
Tgt Ion: 122 Resp: 138743

Ion Ratio Lower Upper

122 100

107 110.7 91.2 136.8

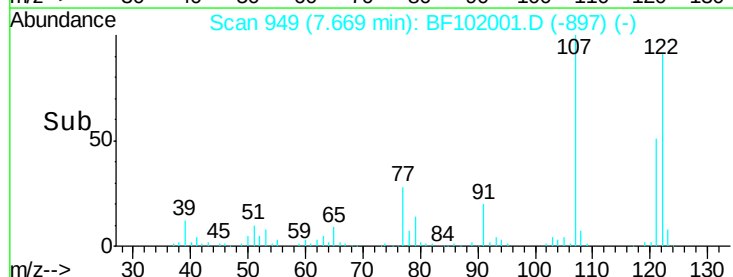
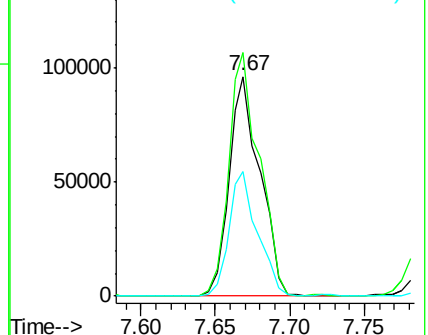
121 56.6 47.2 70.8

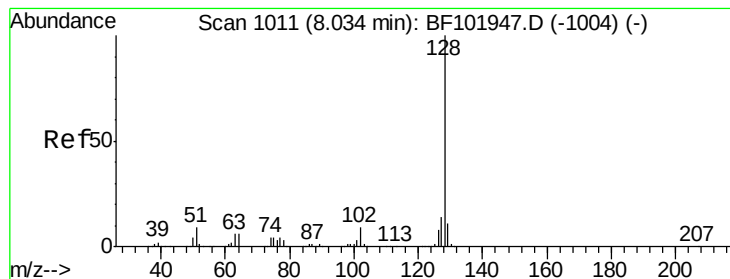


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1





#31

Naphthalene

Concen: 320.720 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.03 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

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ClientSampleId :

WC-53-01MSD

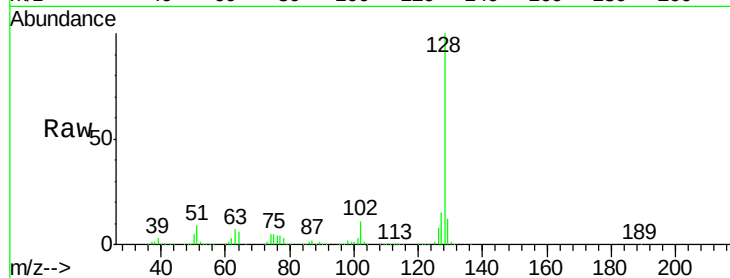
Tot Ion:128 Resp:11271860

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

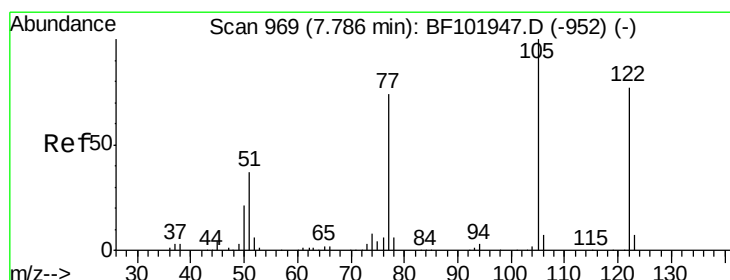
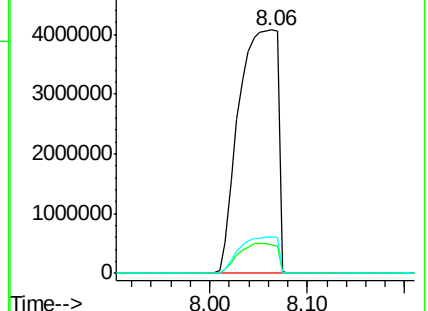
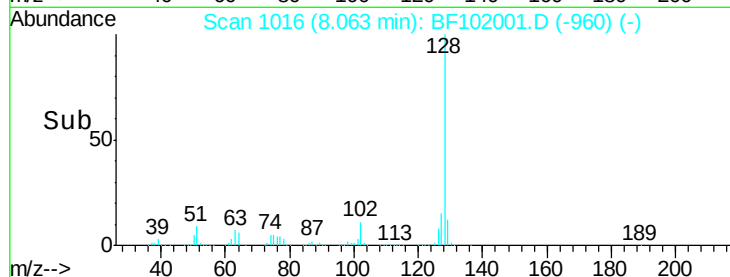
127 14.9 10.9 16.3



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



#32

Benzoic acid

Concen: 15.897 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.02 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

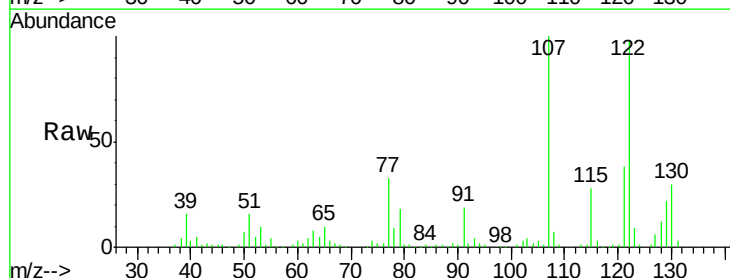
Tgt Ion:122 Resp: 121189

Ion Ratio Lower Upper

122 100

105 3.0 101.1 141.1#

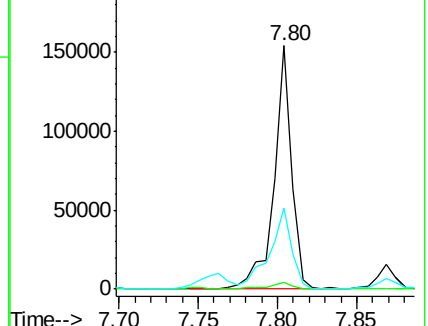
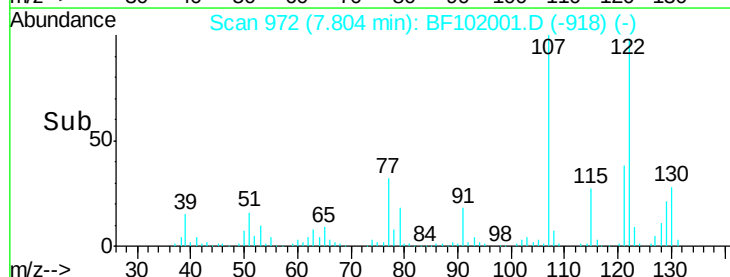
77 33.1 70.7 110.7#

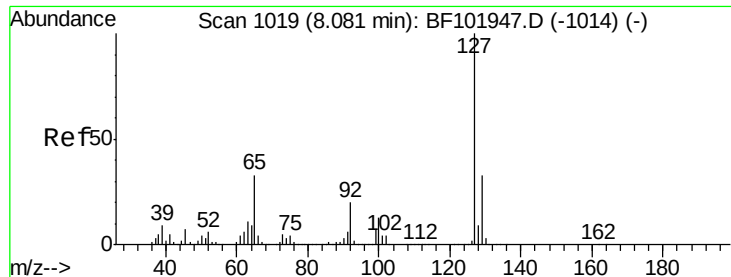


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

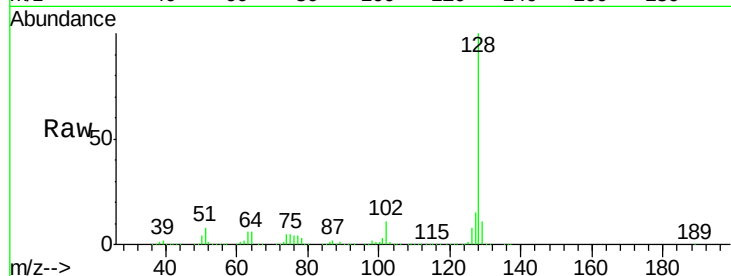




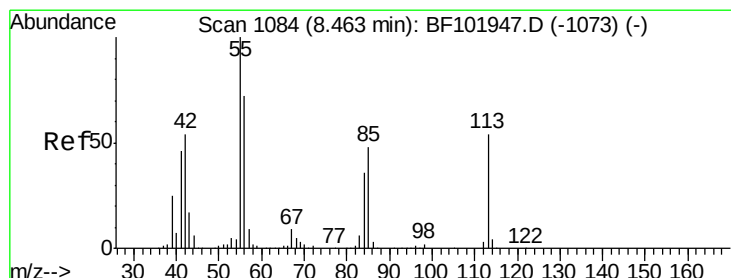
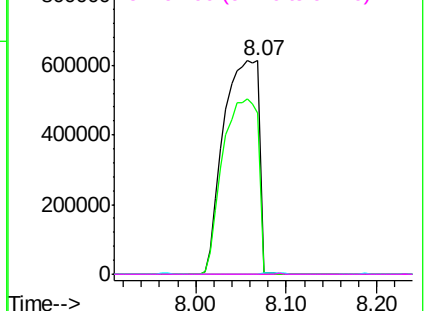
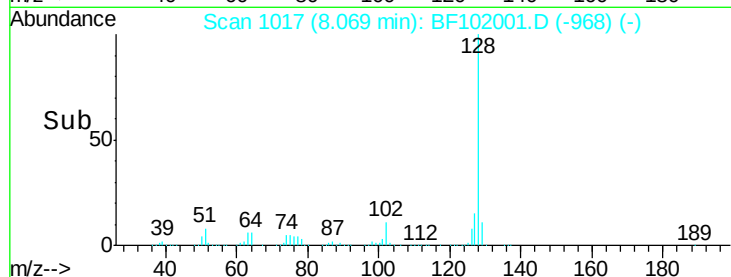
#33
4-Chloroaniline
Concen: 110.852 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

Tot Ion:127 Resp: 1662853
Ion Ratio Lower Upper
127 100
129 75.6 25.9 38.9#
65 0.0 25.0 37.4#
92 0.1 15.2 22.8#

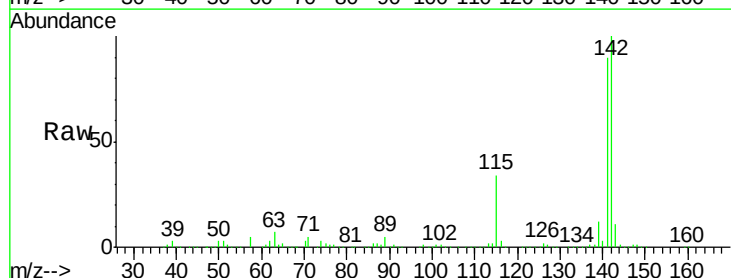


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

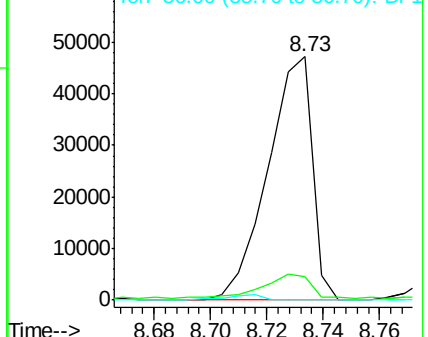
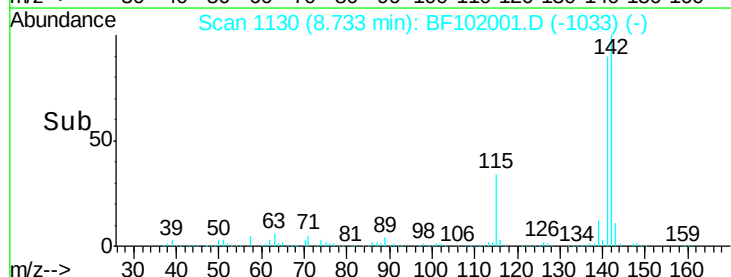


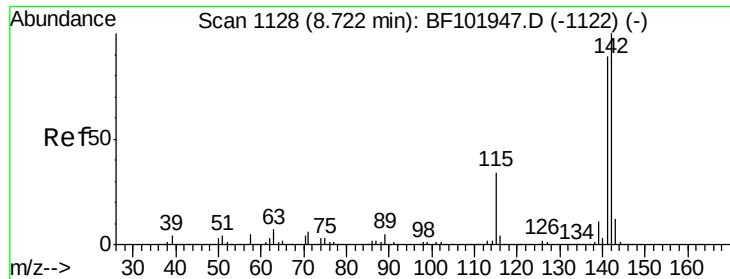
#35
Caprolactam
Concen: 15.745 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.27 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:113 Resp: 51599
Ion Ratio Lower Upper
113 100
55 9.8 163.3 203.3#
56 0.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

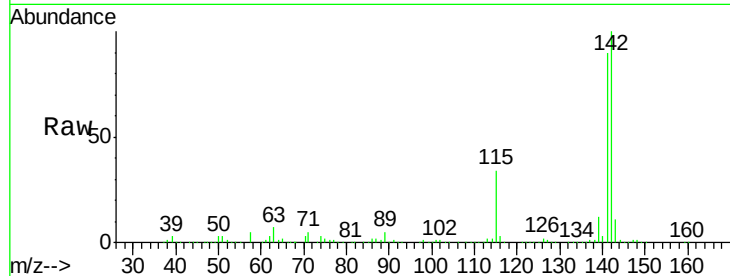




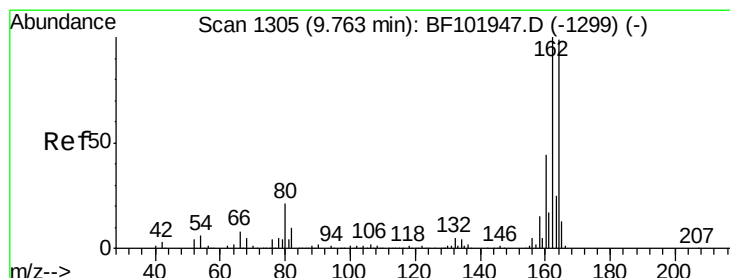
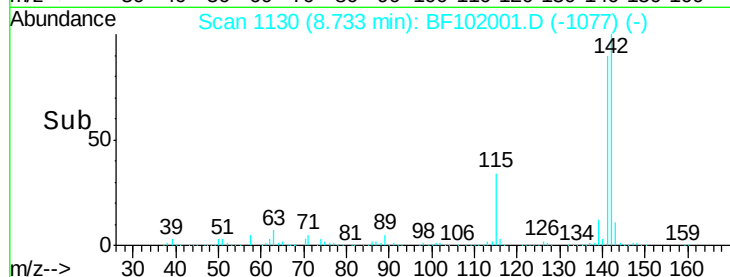
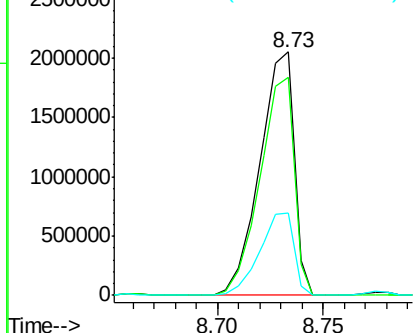
#37
2-Methylnaphthalene
Concen: 100.496 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

Tot Ion:142 Resp: 2325194
Ion Ratio Lower Upper
142 100
141 89.8 70.8 106.2
115 33.8 26.1 39.1

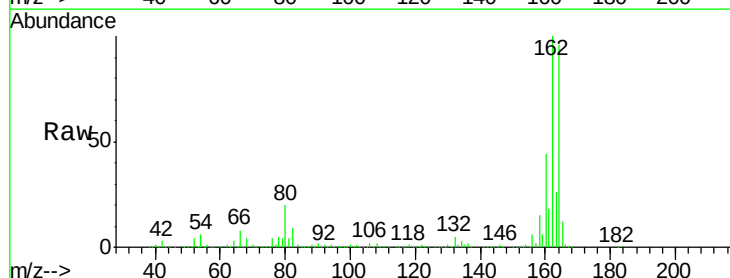


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

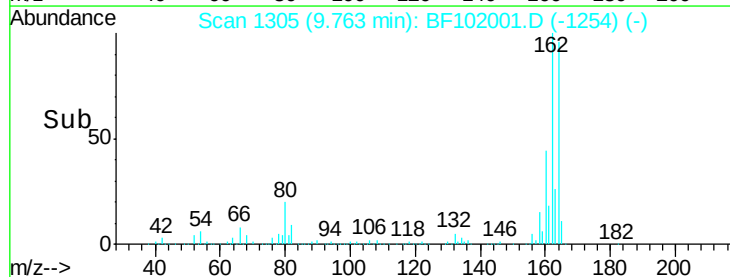
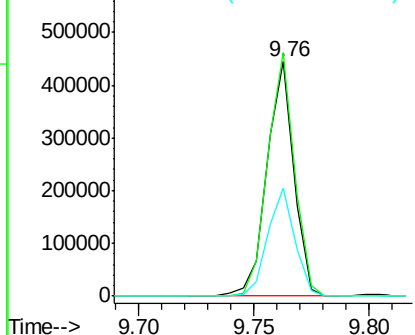


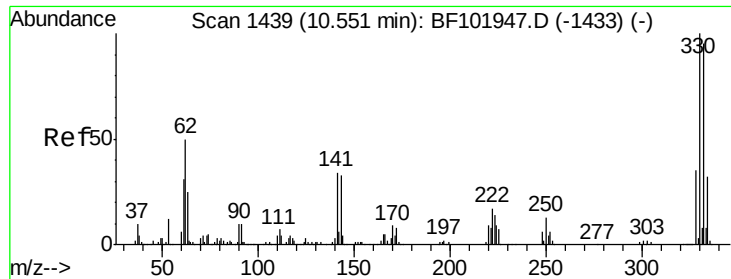
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:164 Resp: 361500
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 45.8 38.3 57.5



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

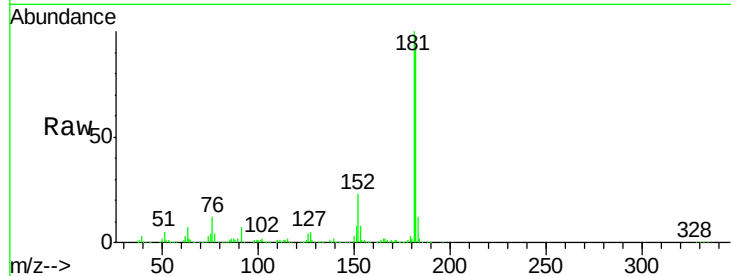




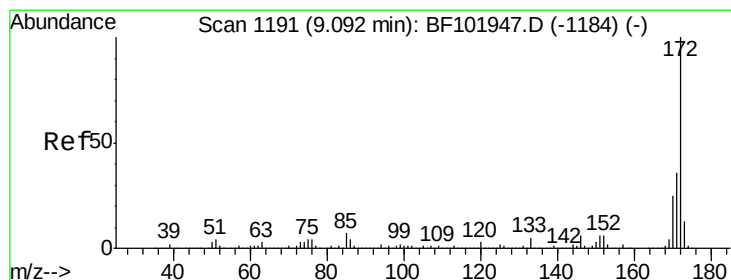
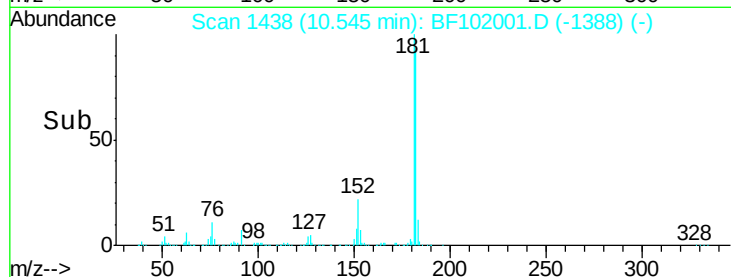
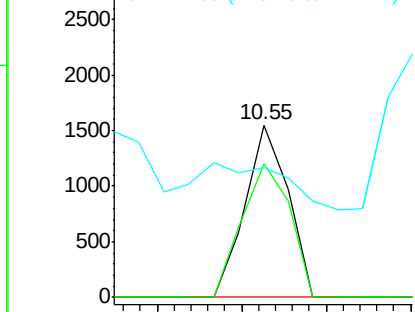
#41
 2,4,6-Tribromophenol
 Concen: 0.347 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102001.D
 Acq: 11 Jan 2018 1:17

Instrument :
 BNA_F
 ClientSampleId :
 WC-53-01MSD

Tot Ion:330 Resp: 1095
 Ion Ratio Lower Upper
 330 100
 332 86.9 77.0 115.6
 141 0.0 29.9 44.9#

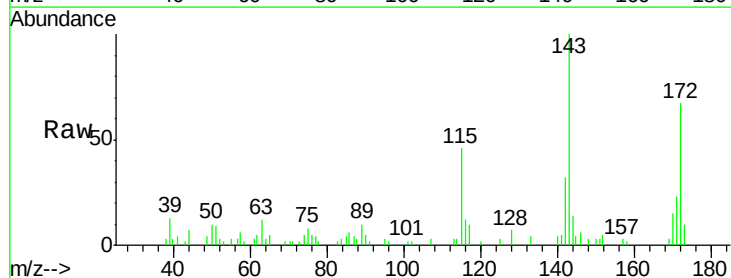


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

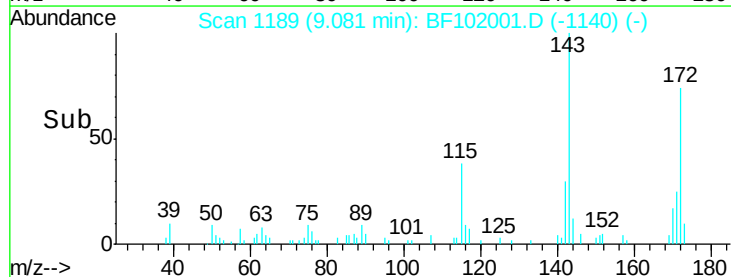
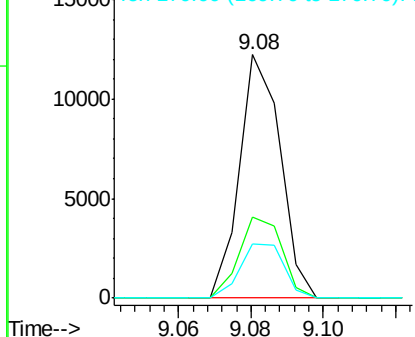


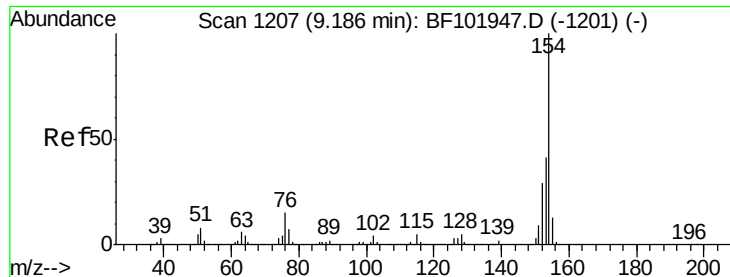
#44
 2-Fluorobiphenyl
 Concen: 0.412 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102001.D
 Acq: 11 Jan 2018 1:17

Tgt Ion:172 Resp: 9530
 Ion Ratio Lower Upper
 172 100
 171 33.4 29.7 44.5
 170 22.4 19.6 29.4



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

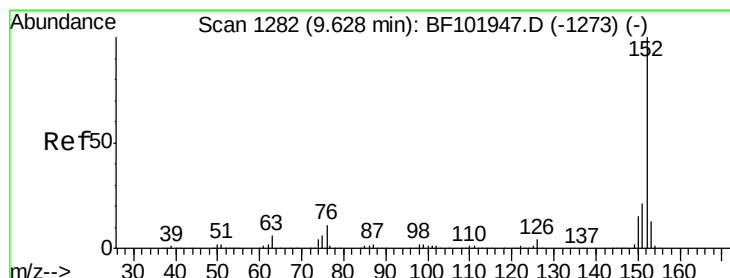
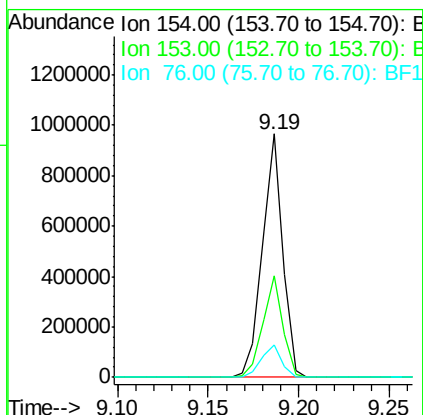
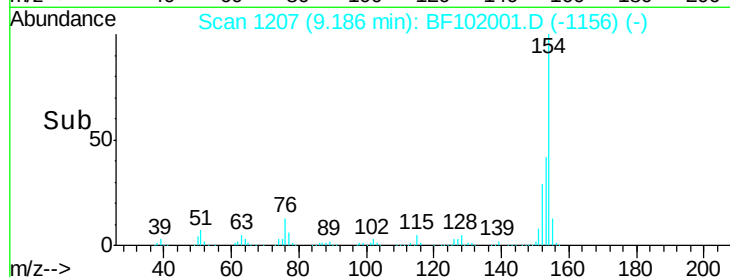
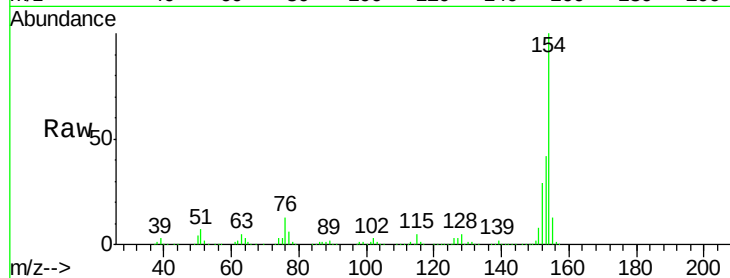




#45
1,1'-Biphenyl
Concen: 23.600 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

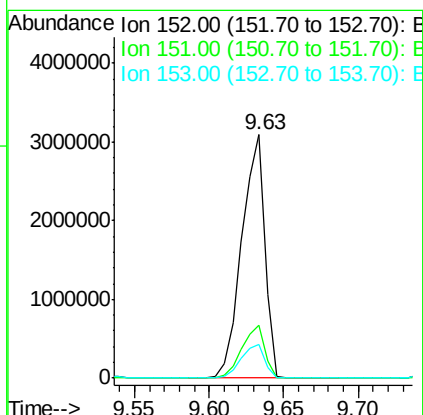
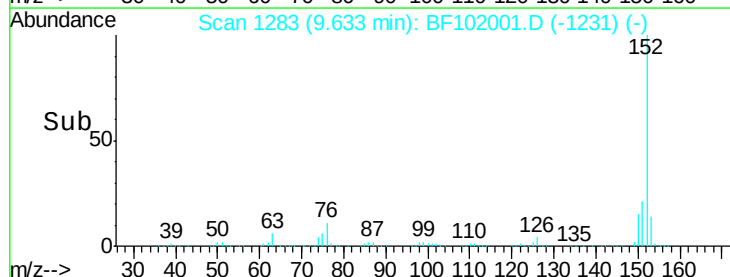
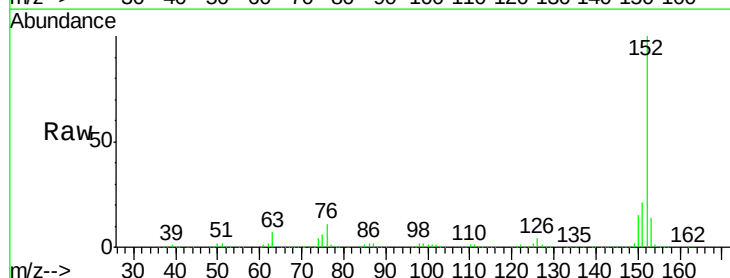
Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

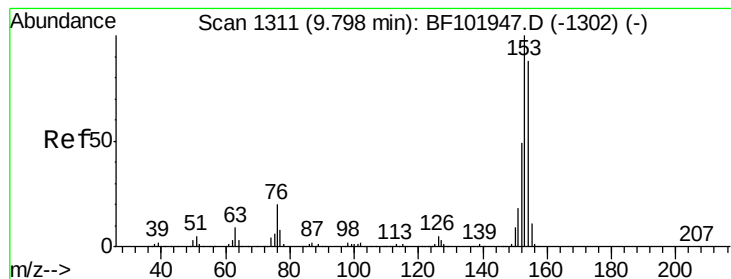
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.7	21.3	61.3
76	13.2	0.0	34.0



#48
Acenaphthylene
Concen: 84.374 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.3	24.5
153	14.0	10.7	16.1





#51

Acenaphthene

Concen: 8.697 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

BNA_F

ClientSampleId :

WC-53-01MSD

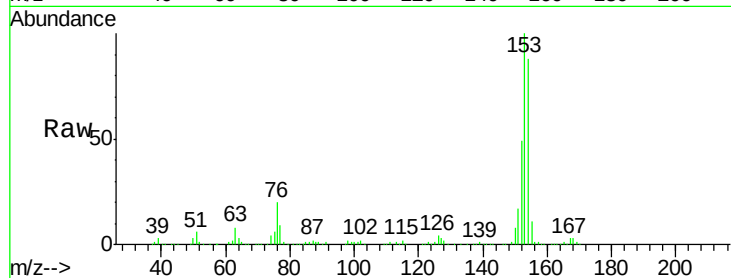
Tot Ion:154 Resp: 207578

Ion Ratio Lower Upper

154 100

153 113.2 91.2 136.8

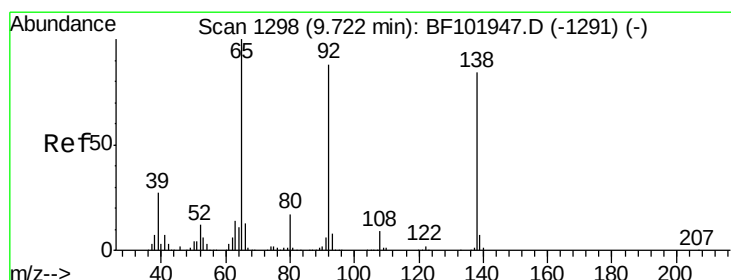
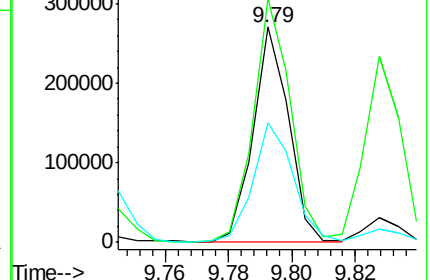
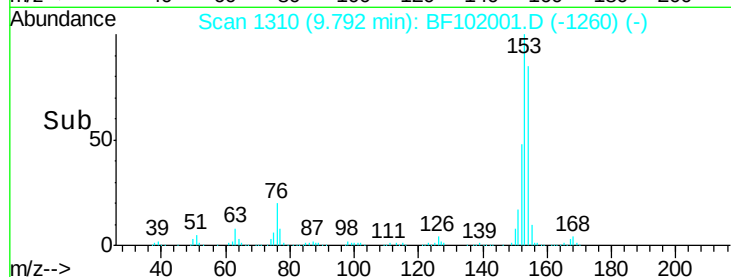
152 55.5 43.8 65.8



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: 4.946 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.25 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

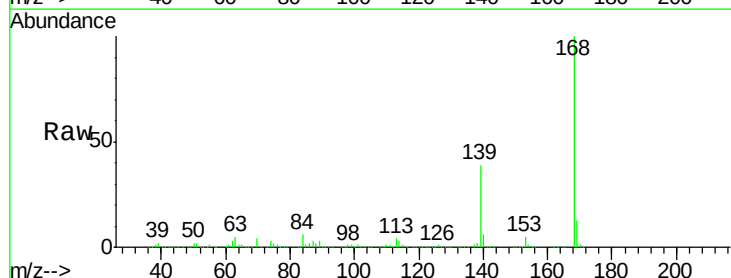
Tgt Ion:138 Resp: 36162

Ion Ratio Lower Upper

138 100

108 2.0 9.4 14.0#

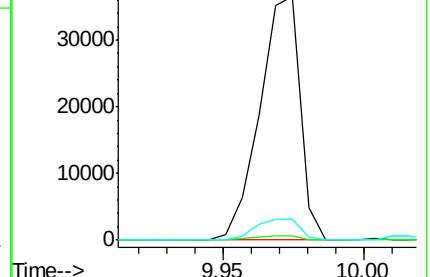
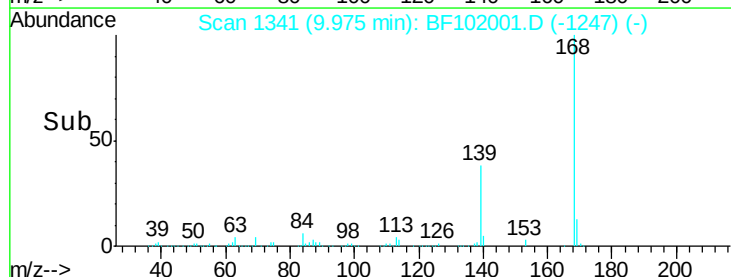
92 8.4 89.4 134.2#

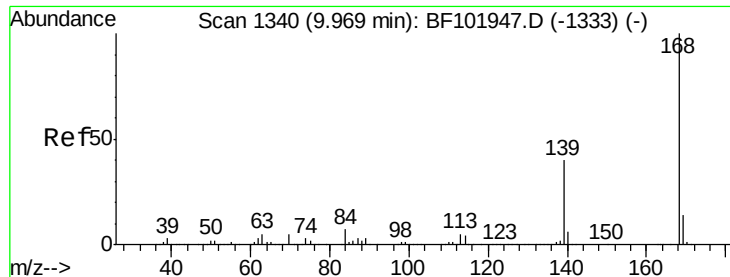


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

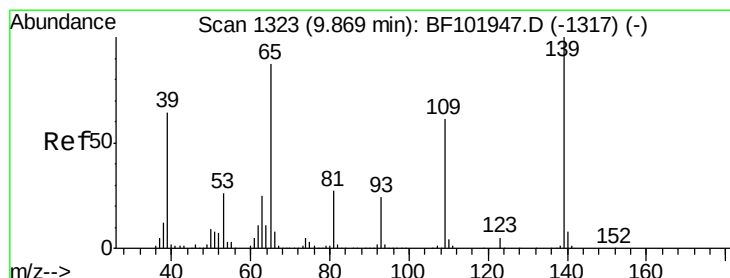
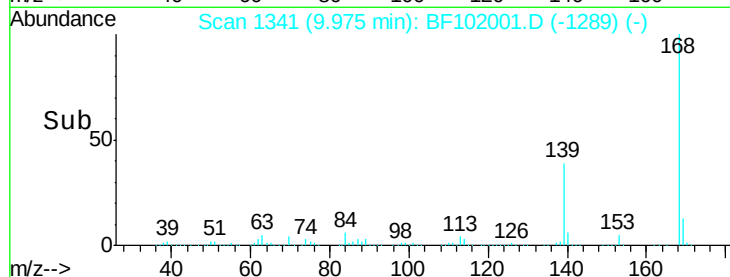
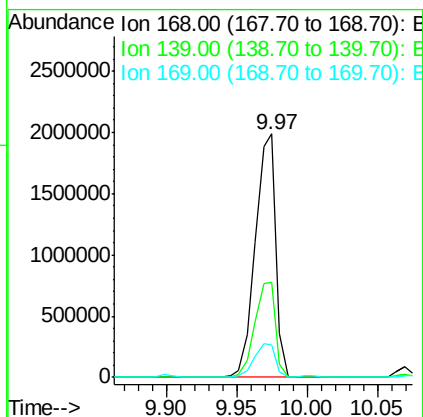
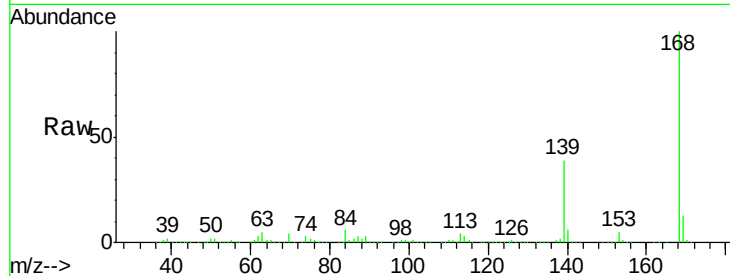




#54
Dibenzofuran
Concen: 62.112 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

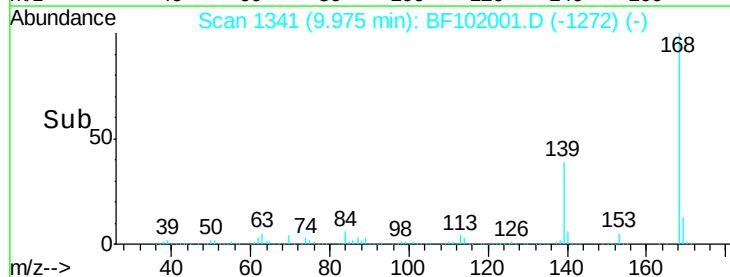
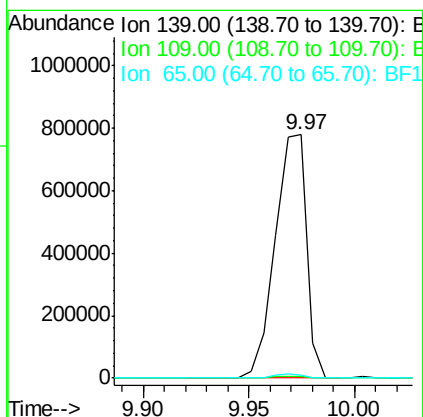
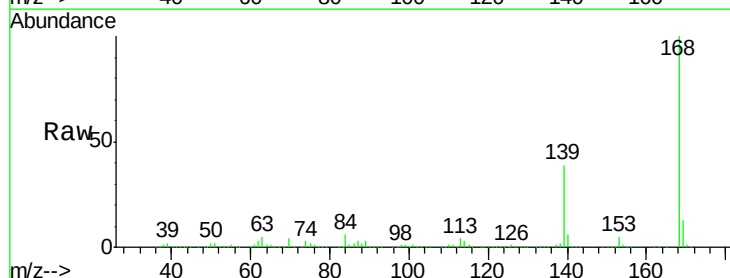
Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

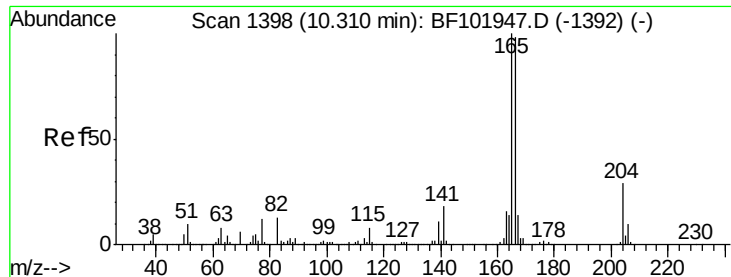
Tot Ion:168 Resp: 2034528
Ion Ratio Lower Upper
168 100
139 39.2 30.1 45.1
169 13.4 10.9 16.3



#55
4-Nitrophenol
Concen: 147.952 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:139 Resp: 806075
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 1.4 72.6 112.6#

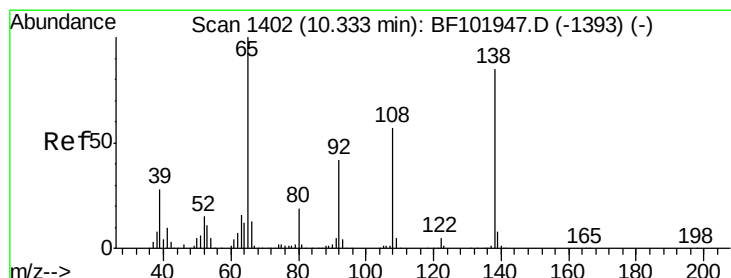
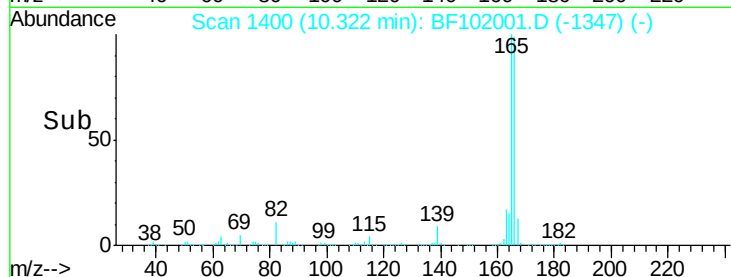
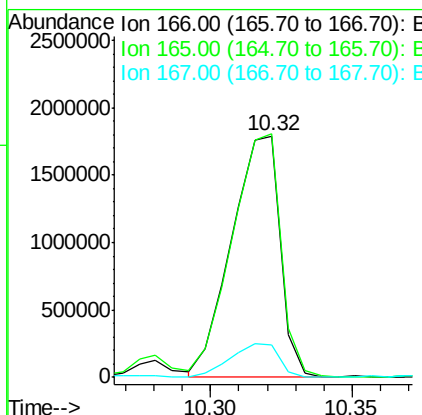
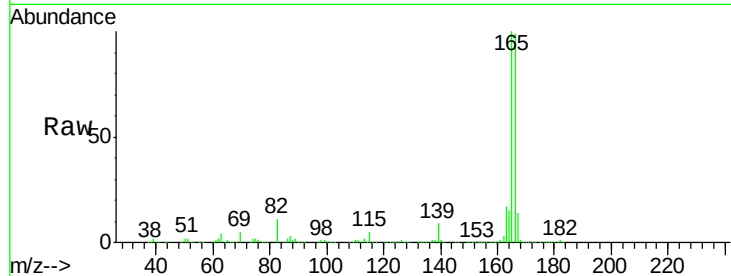




#57
Fluorene
 Concen: 93.865 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF102001.D
 Acq: 11 Jan 2018 1:17

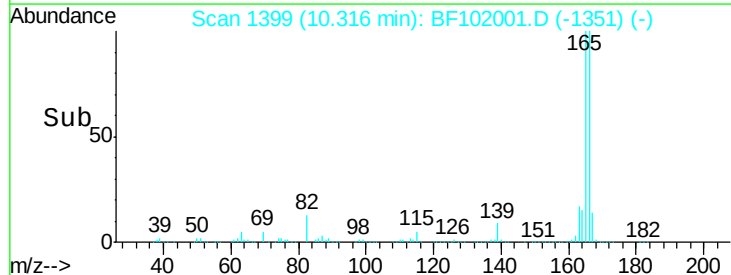
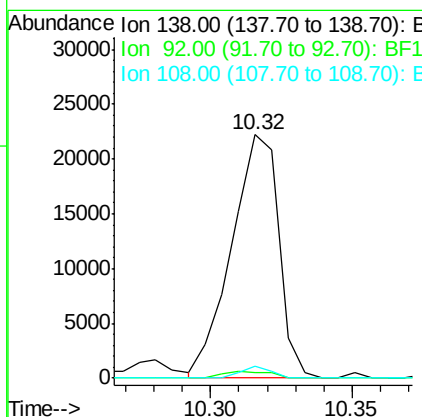
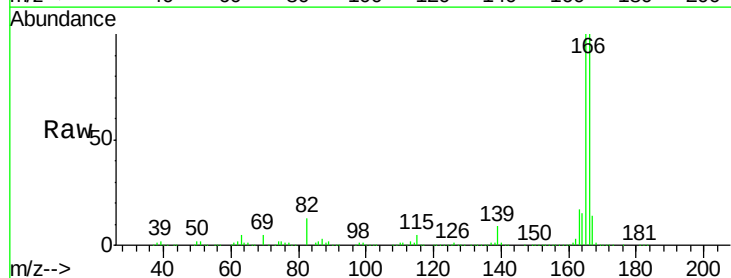
Instrument :
 BNA_F
 ClientSampleId :
 WC-53-01MSD

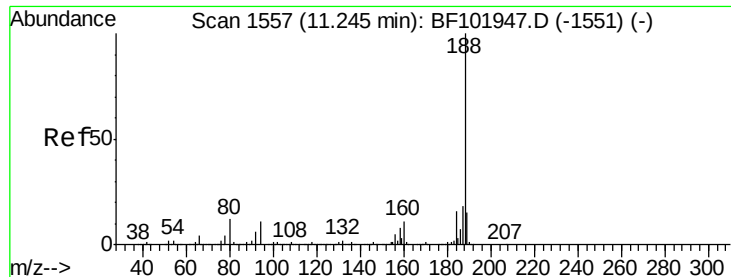
Tot Ion:166 Resp: 2125473
 Ion Ratio Lower Upper
 166 100
 165 100.9 79.8 119.8
 167 13.7 10.6 16.0



#61
4-Nitroaniline
 Concen: 3.716 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.02 min
 Lab File: BF102001.D
 Acq: 11 Jan 2018 1:17

Tgt Ion:138 Resp: 25782
 Ion Ratio Lower Upper
 138 100
 92 2.0 30.2 70.2#
 108 4.7 52.5 92.5#

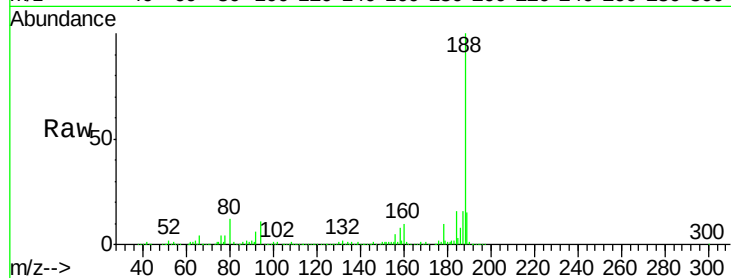




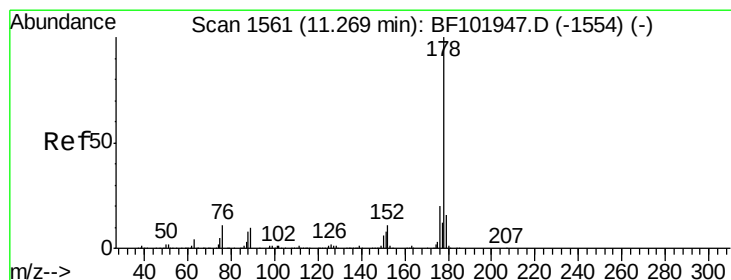
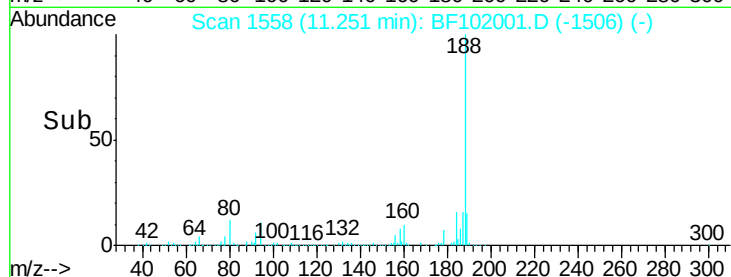
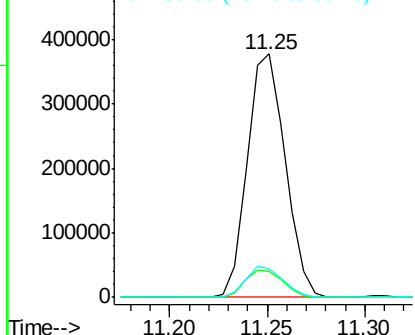
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

Tot Ion:188 Resp: 507324
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.9 9.2 13.8

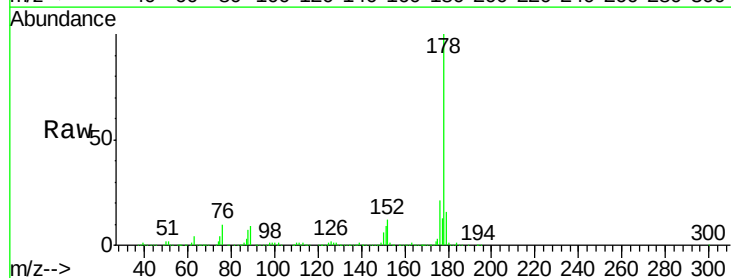


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

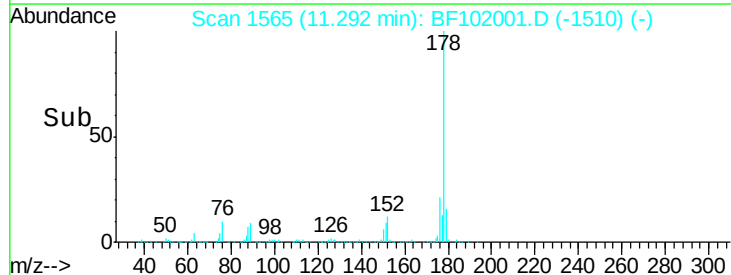
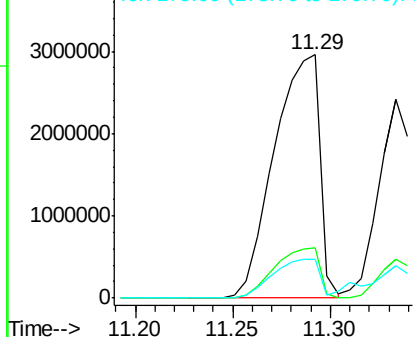


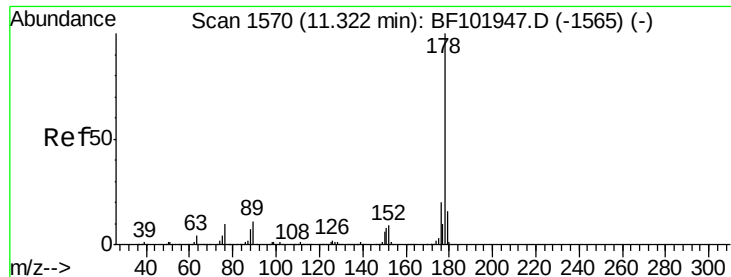
#70
Phenanthrene
Concen: 160.802 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.02 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:178 Resp: 4765291
Ion Ratio Lower Upper
178 100
176 20.9 15.8 23.8
179 15.8 13.0 19.6



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





#71

Anthracene

Concen: 88.756 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

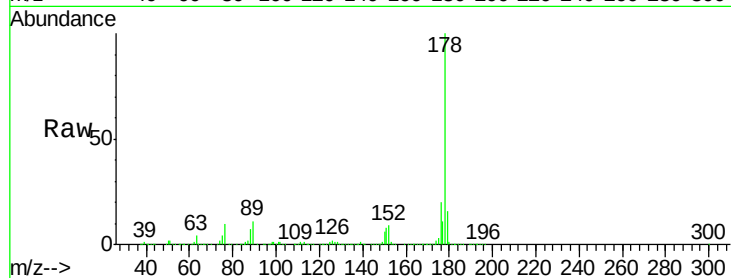
BNA_F

ClientSampleId :

WC-53-01MSD

Tot Ion:178 Resp: 2667560

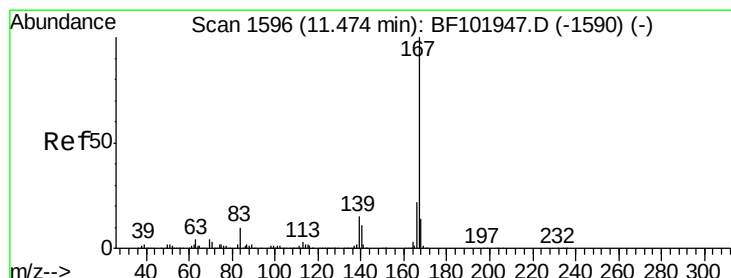
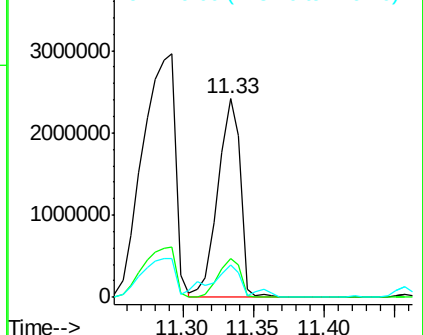
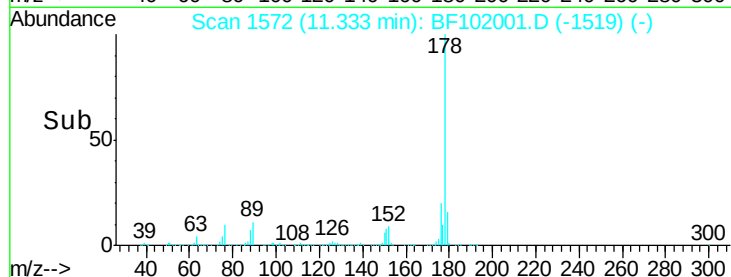
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	16.2	12.6	19.0



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



#72

Carbazole

Concen: 36.536 ng

RT: 11.48 min Scan# 1597

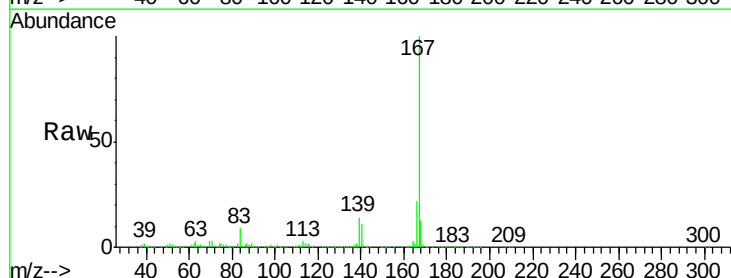
Delta R.T. 0.01 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Tgt Ion:167 Resp: 1079317

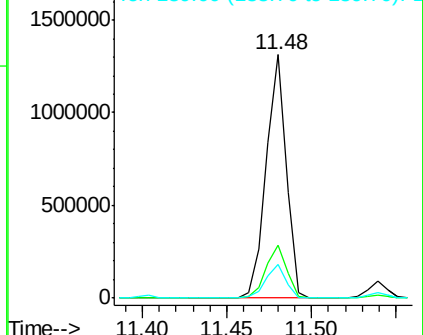
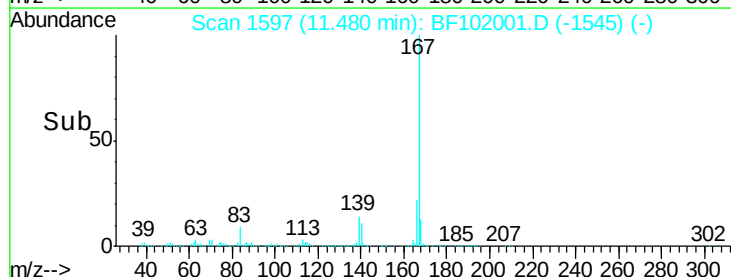
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	14.0	10.9	16.3

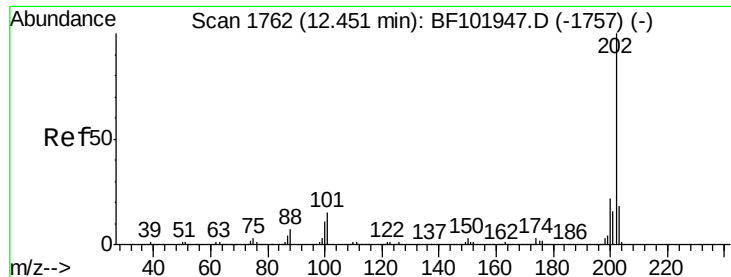


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 104.648 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.02 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

BNA_F

ClientSampleId :

WC-53-01MSD

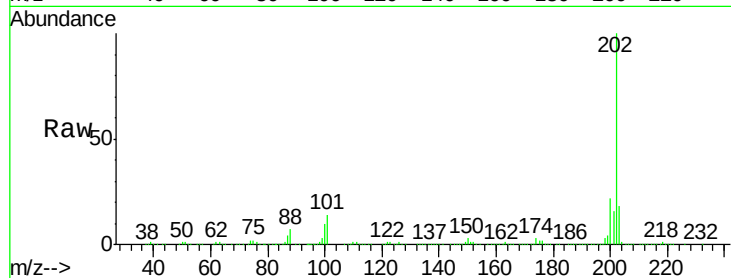
Tot Ion:202 Resp: 3051144

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

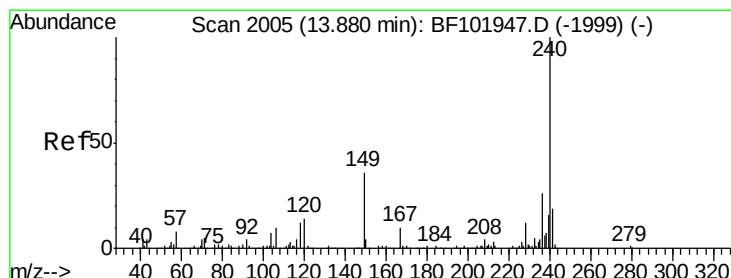
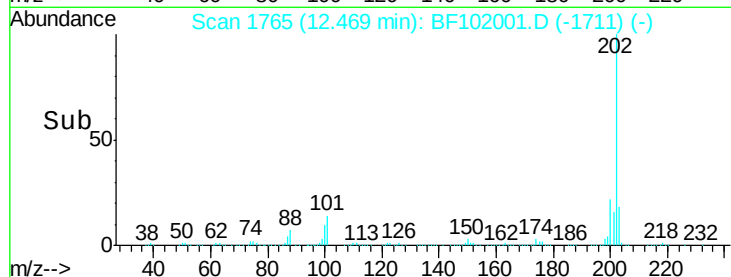
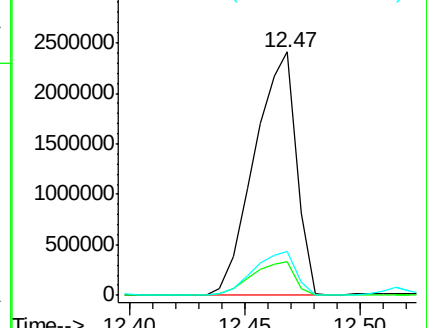
203 17.8 0.0 38.1



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: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

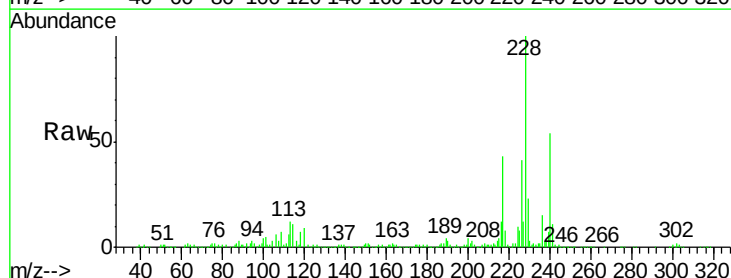
Tgt Ion:240 Resp: 287718

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

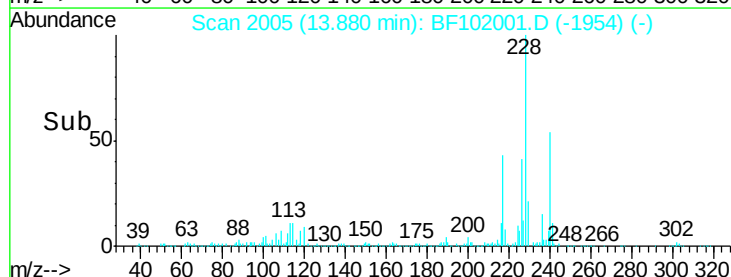
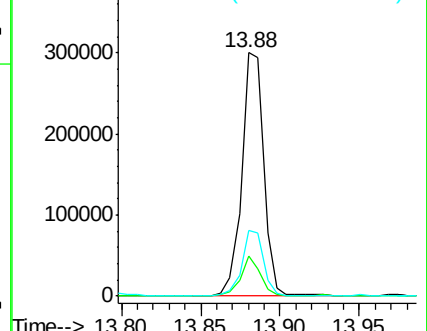
236 27.2 20.7 31.1

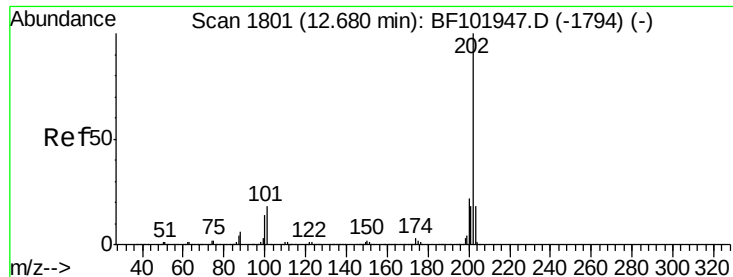


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

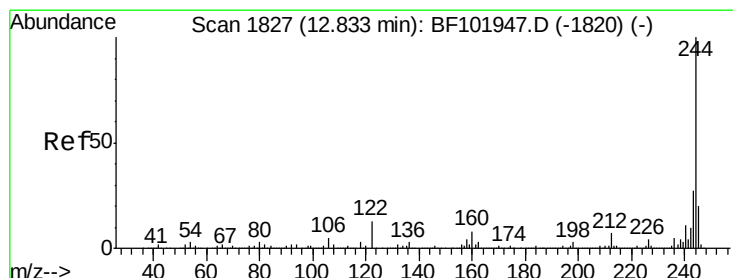
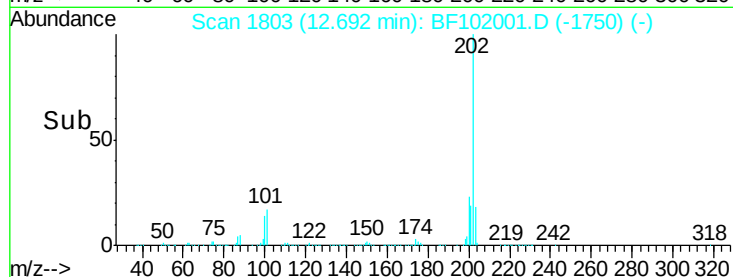
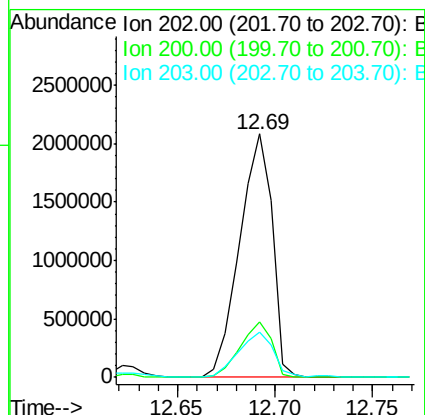
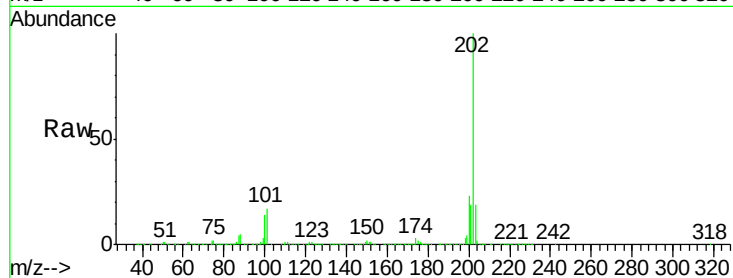




#77
Pvrene
Concen: 94.570 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

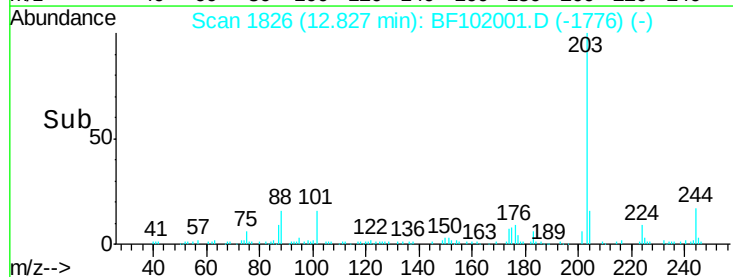
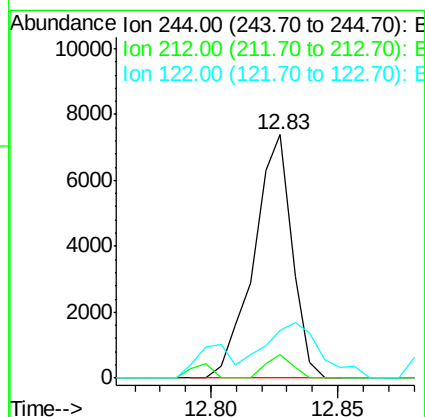
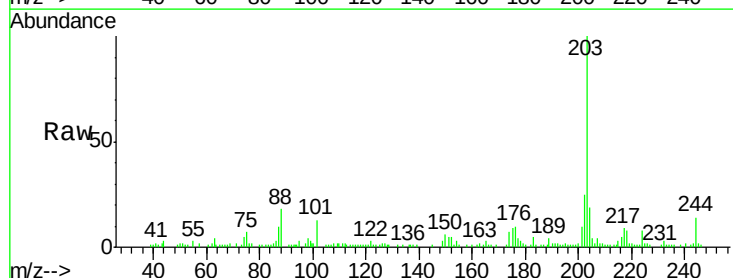
Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

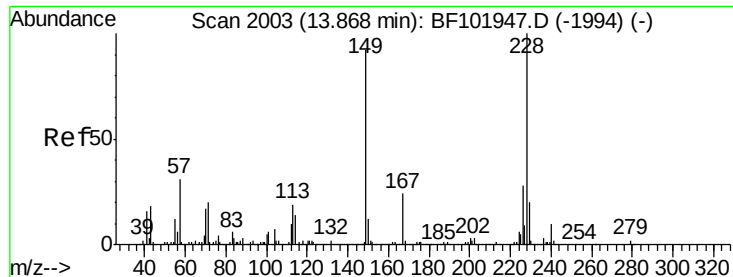
Tot Ion:202 Resp: 2405156
Ion Ratio Lower Upper
202 100
200 22.9 17.4 26.2
203 18.6 14.3 21.5



#78
Terphenyl-d14
Concen: 0.563 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:244 Resp: 7808
Ion Ratio Lower Upper
244 100
212 9.5 5.4 8.0#
122 19.9 11.0 16.4#

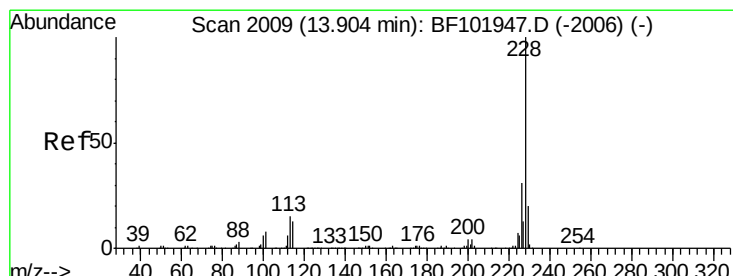
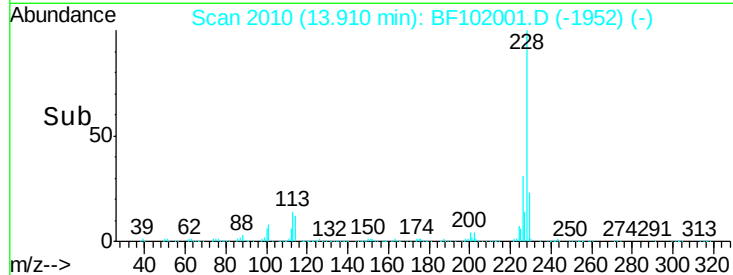
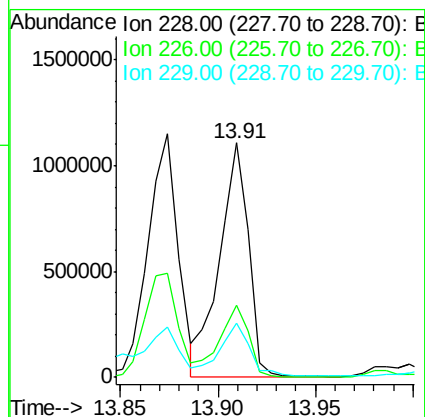
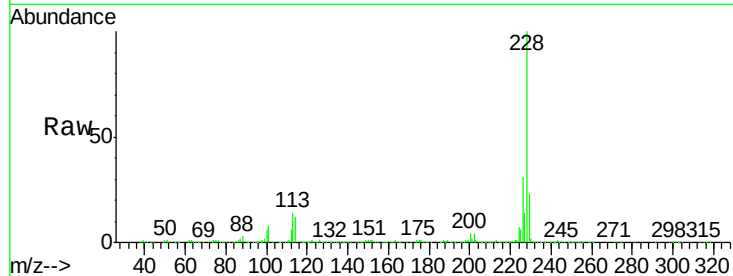




#80
Benzo(a)anthracene
Concen: 61.855 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.04 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

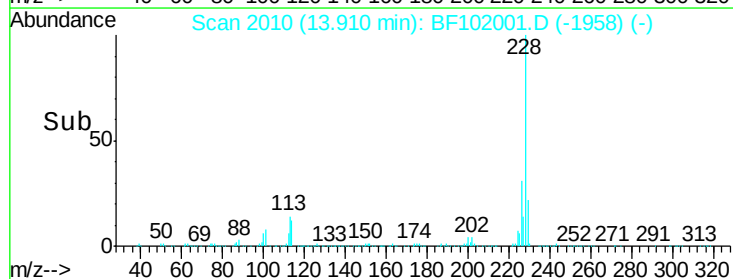
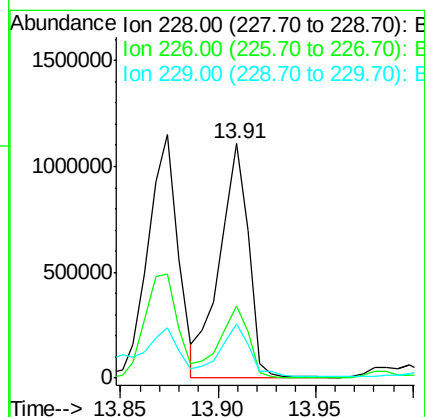
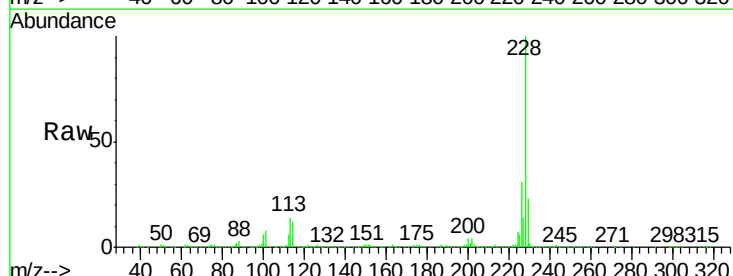
Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

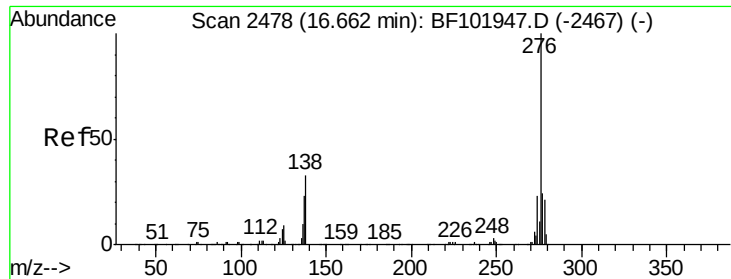
Tot Ion:228 Resp: 1135490
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 23.2 15.8 23.6



#82
Chrysene
Concen: 59.321 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:228 Resp: 1135490
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 23.2 16.2 24.4

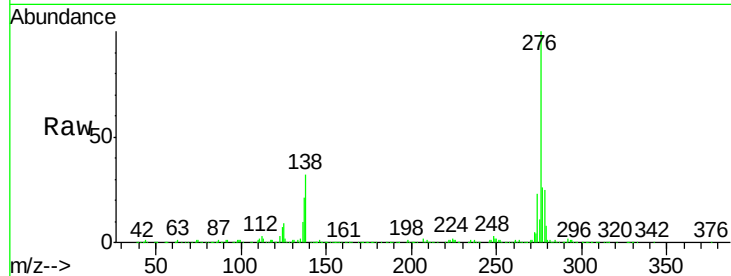




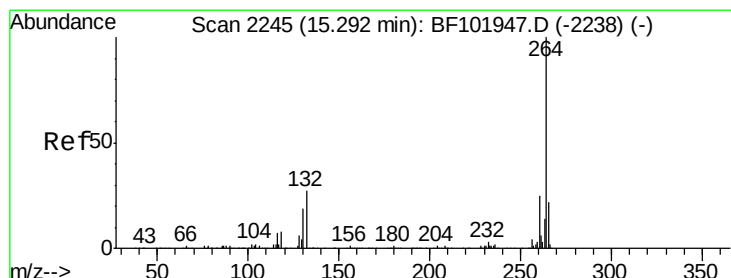
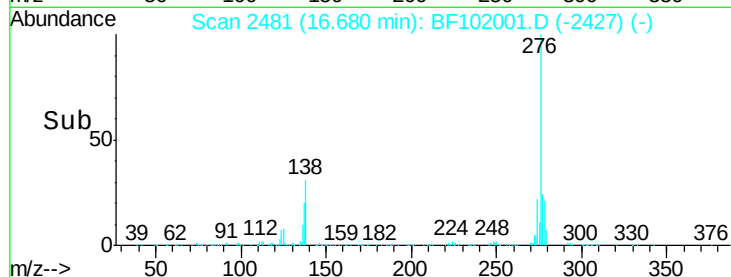
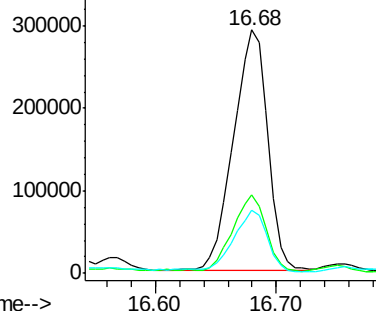
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.517 ng
 RT: 16.68 min Scan# 2481
 Delta R.T. 0.02 min
 Lab File: BF102001.D
 Acq: 11 Jan 2018 1:17

Instrument :
 BNA_F
 ClientSampleId :
 WC-53-01MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	25.6	20.1	30.1

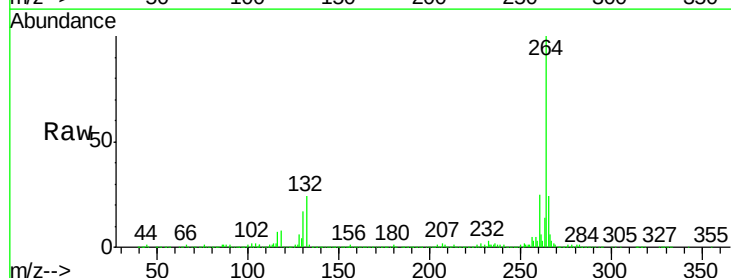


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

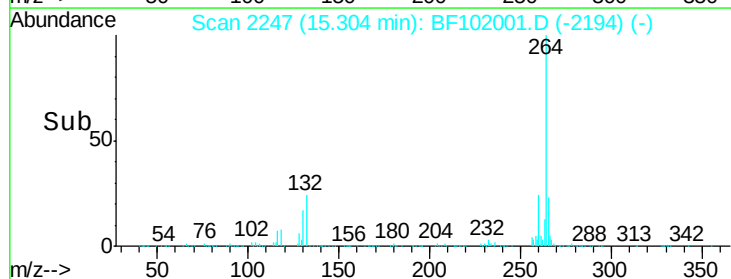
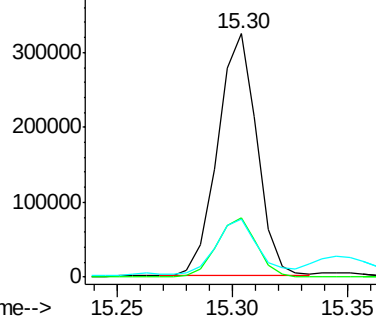


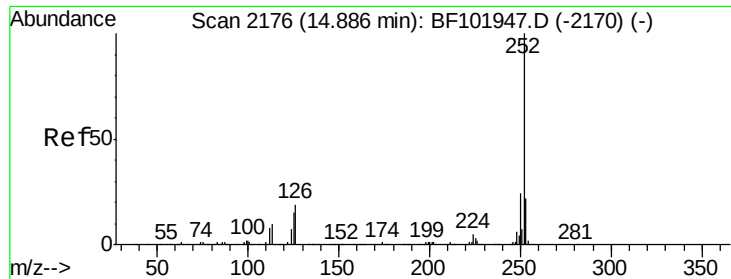
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: BF102001.D
 Acq: 11 Jan 2018 1:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.9	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

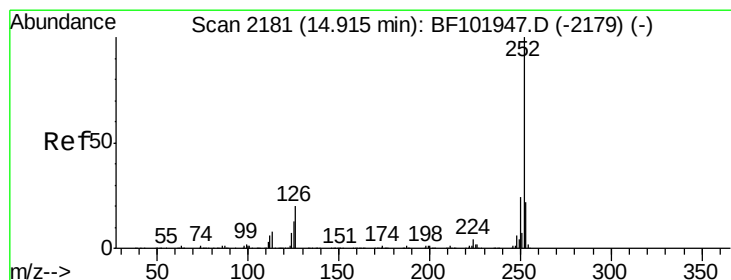
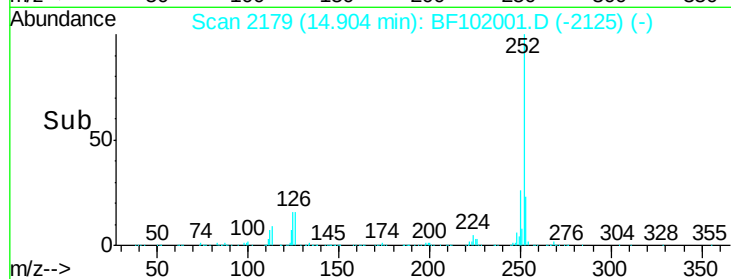
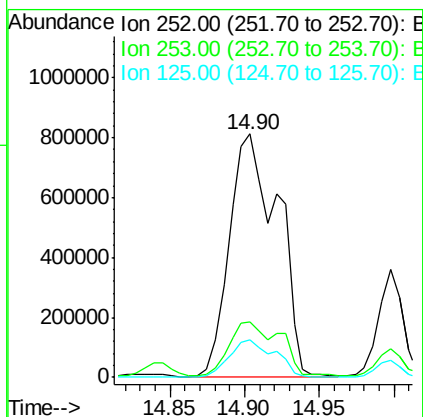
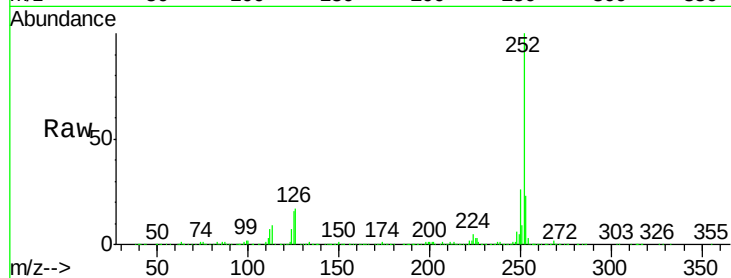




#87
Benzo(b)fluoranthene
Concen: 73.321 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.02 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

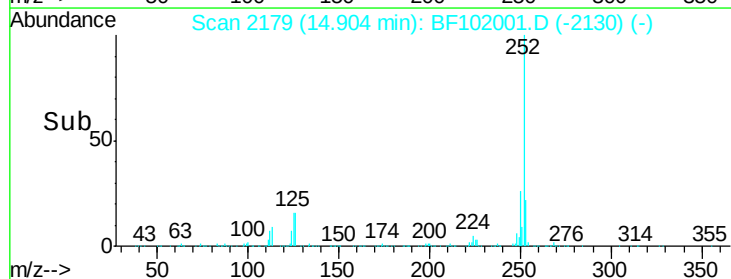
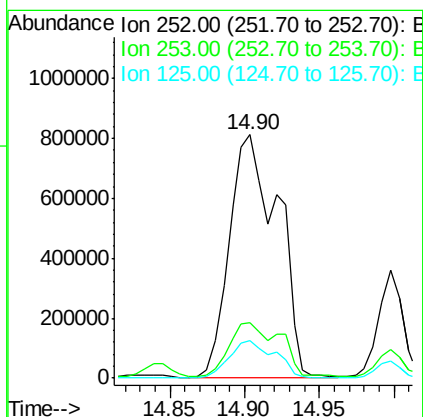
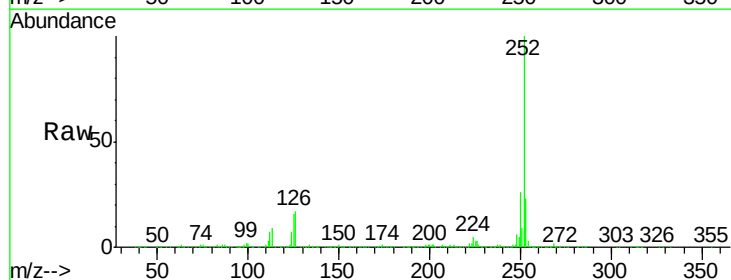
Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

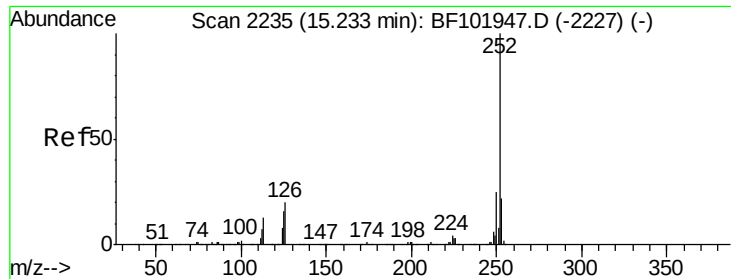
Tot Ion:252 Resp: 1828457
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 15.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 76.006 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:252 Resp: 1828457
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 15.6 10.2 15.2#

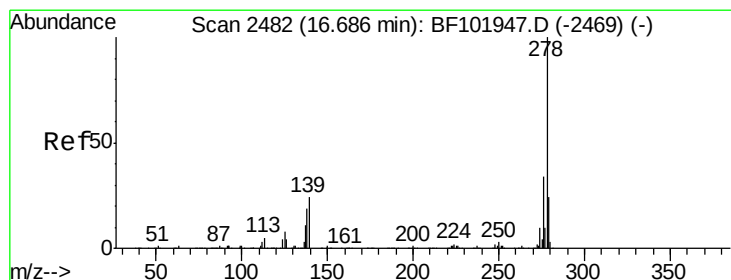
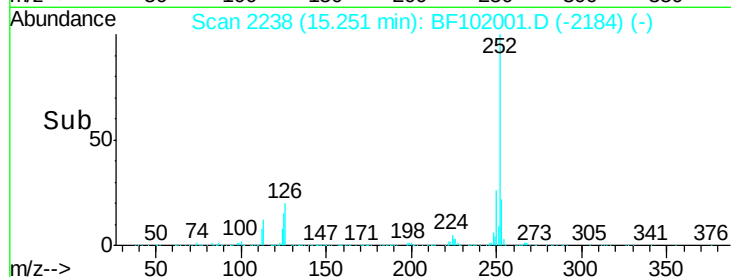
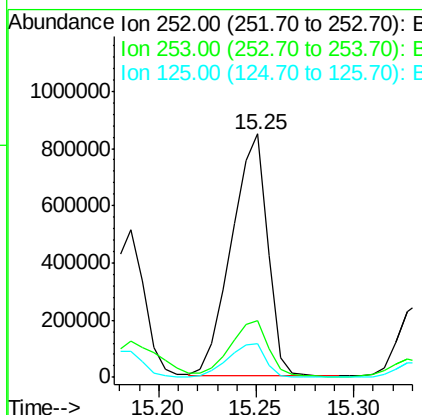
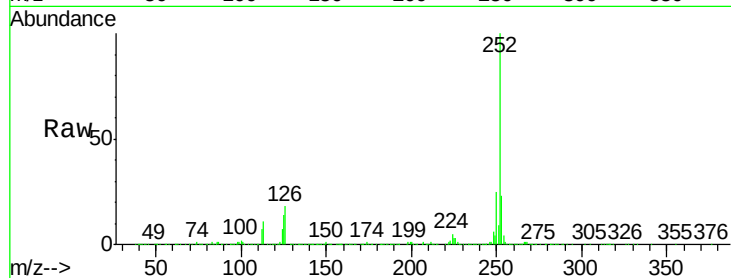




#89
Benzo(a)pyrene
Concen: 48.579 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

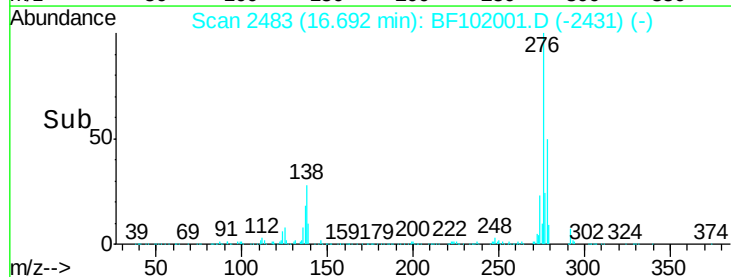
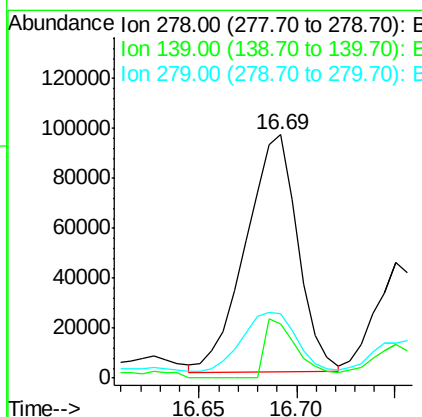
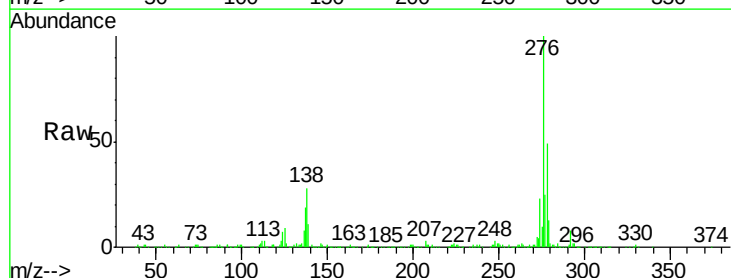
Instrument :
BNA_F
ClientSampleId :
WC-53-01MSD

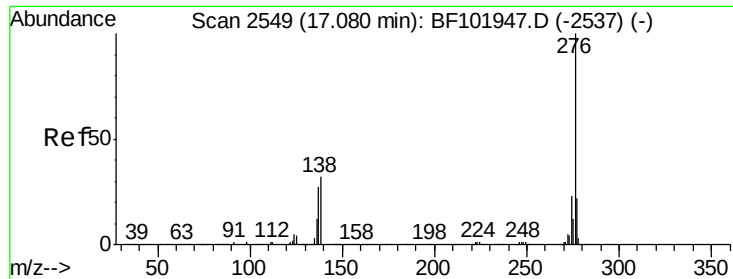
Tot Ion:252 Resp: 1090136
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 13.8 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 9.818 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF102001.D
Acq: 11 Jan 2018 1:17

Tgt Ion:278 Resp: 175816
Ion Ratio Lower Upper
278 100
139 22.4 15.9 23.9
279 26.5 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 26.783 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.02 min

Lab File: BF102001.D

Acq: 11 Jan 2018 1:17

Instrument :

BNA_F

ClientSampleId :

WC-53-01MSD

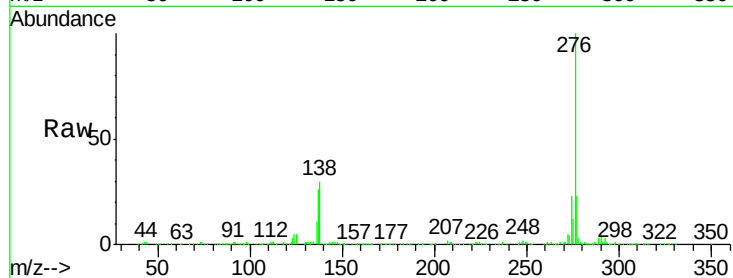
Tot Ion: 276 Resp: 483146

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 30.4 21.8 32.8



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

