

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101714.D
 Acq On : 26 Dec 2017 14:39
 Operator : SJ/JU
 Sample : I6842-03DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-01DL

Quant Time: Dec 26 15:15:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146025	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	557683	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	234396	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	381957	20.00	ng	0.00
75) Chrysene-d12	13.97	240	307113	20.00	ng	0.00
86) Perylene-d12	15.43	264	286774	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	307962	31.41	ng	0.02
7) Phenol-d6	6.43	99	363341	29.78	ng	0.00
23) Nitrobenzene-d5	7.36	82	234049	23.36	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	67746	29.99	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	448820	29.70	ng	0.00
78) Terphenyl-d14	12.89	244	352311	27.66	ng	0.00

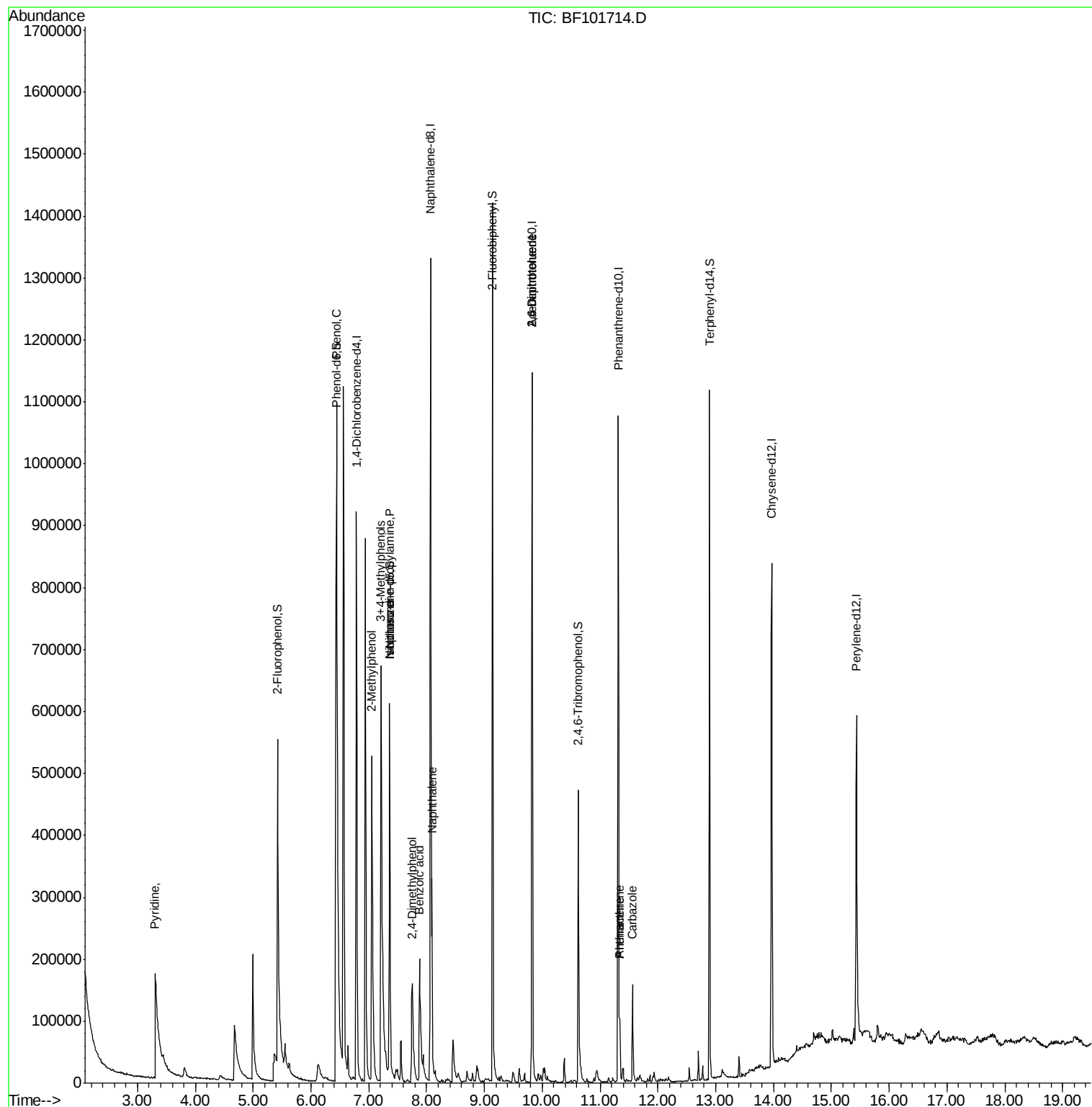
Target Compounds				Qvalue		
3) Pyridine	3.30	79	253490	18.113	ng	96
10) Phenol	6.45	94	527853	37.960	ng	98
17) 2-Methylphenol	7.05	107	125787	13.261	ng	97
19) n-Nitroso-di-n-propylamine	7.36	70	29291	3.656	ng	# 83
20) 3+4-Methylphenols	7.21	107	316743	31.511	ng	89
25) Isophorone	7.36	82	234047	11.646	ng	# 64
27) 2,4-Dimethylphenol	7.75	122	71096	8.785	ng	90
31) Naphthalene	8.09	128	141393	5.036	ng	98
32) Benzoic acid	7.87	122	72339	19.027	ng	# 14
50) 2,6-Dinitrotoluene	9.82	165	29004	7.569	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	29004	6.718	ng	# 24
70) Phenanthrene	11.34	178	46089	2.170	ng	97
71) Anthracene	11.34	178	46089	2.124	ng	98
72) Carbazole	11.56	167	75998	3.741	ng	99

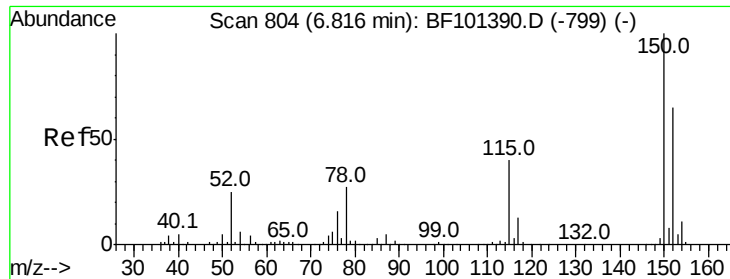
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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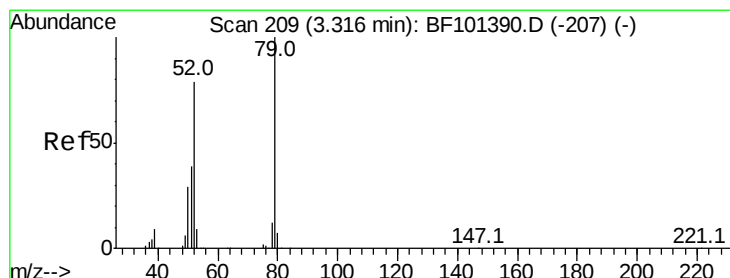
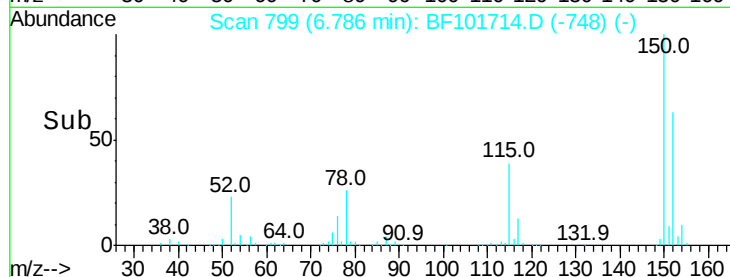
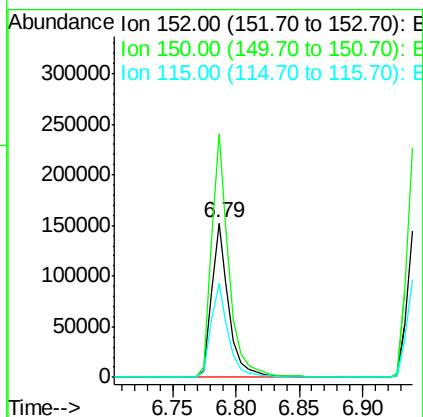
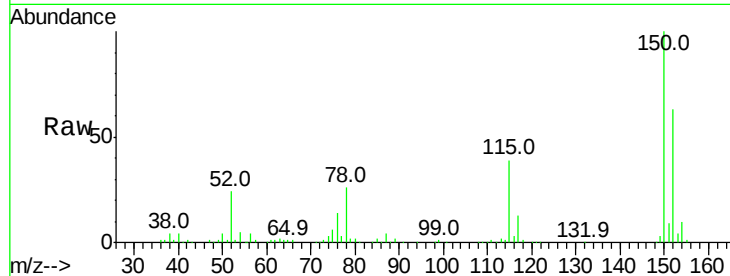


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

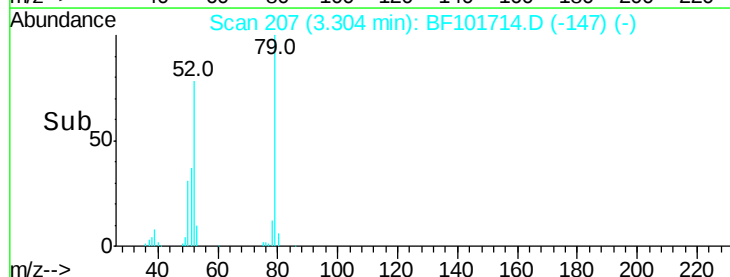
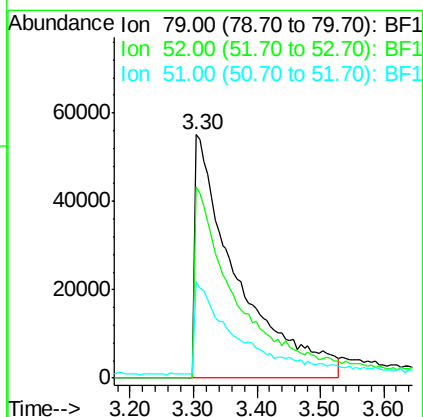
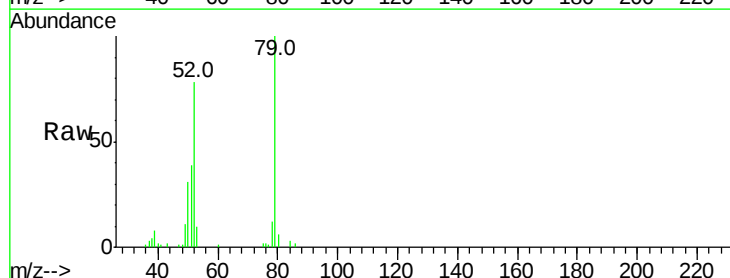
Tot Ion:152 Resp: 146025
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 61.2 50.1 75.1

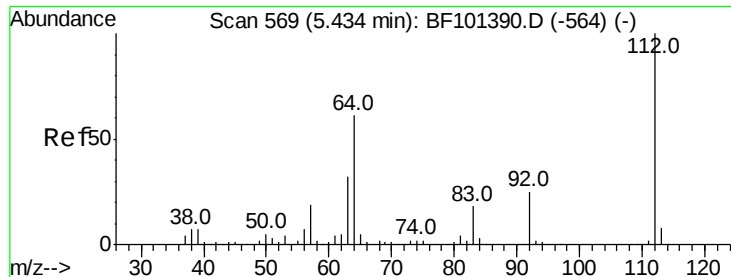


#3

Pyridine
Concen: 18.113 ng
RT: 3.30 min Scan# 207
Delta R.T. 0.05 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion: 79 Resp: 253490
Ion Ratio Lower Upper
79 100
52 78.4 59.8 89.6
51 39.4 29.8 44.8





#5

2-Fluorophenol

Concen: 31.415 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.02 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampleId :

WC-04-01DL

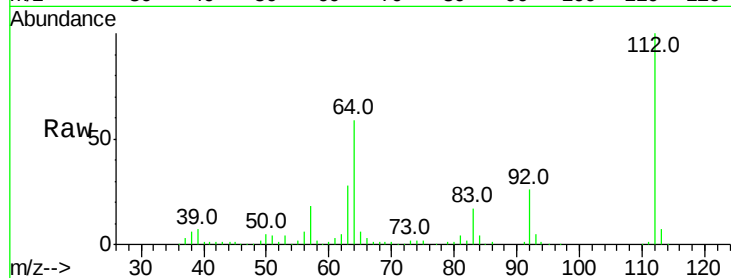
Tot Ion:112 Resp: 307962

Ion Ratio Lower Upper

112 100

64 58.7 47.9 71.9

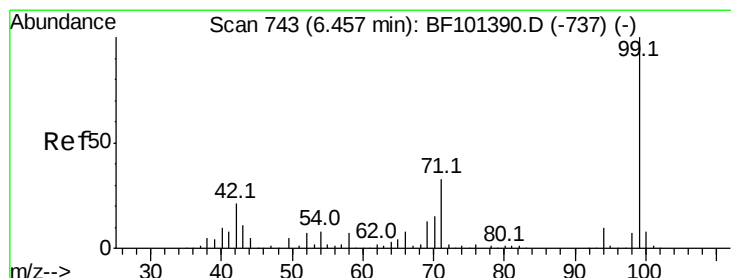
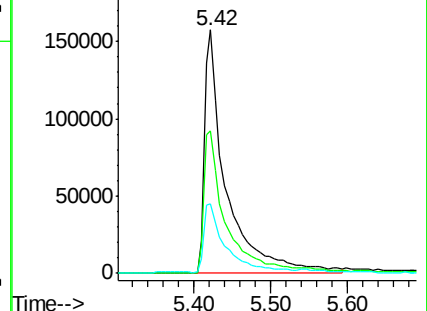
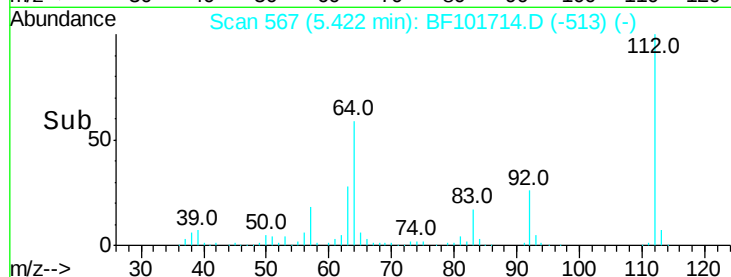
63 28.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 29.781 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

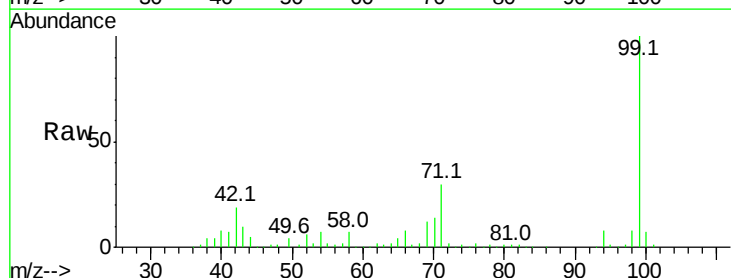
Tgt Ion: 99 Resp: 363341

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

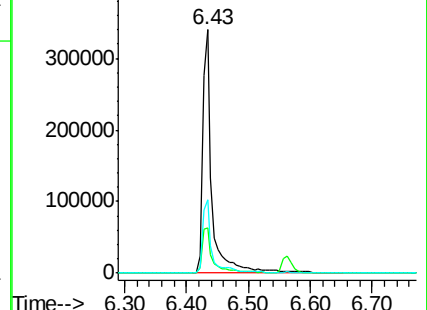
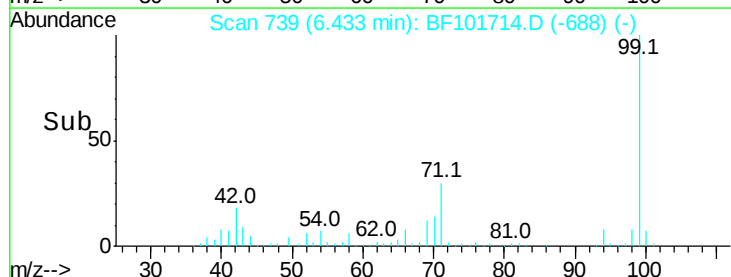
71 30.1 25.4 38.0

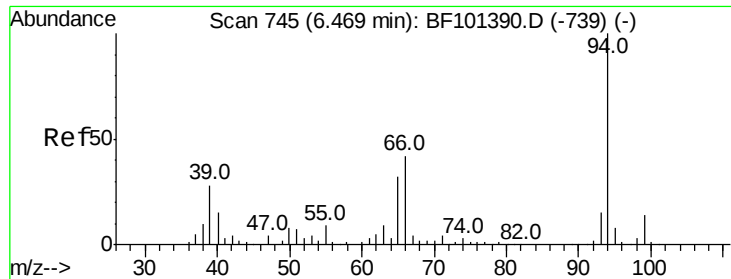


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 37.960 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampleId :

WC-04-01DL

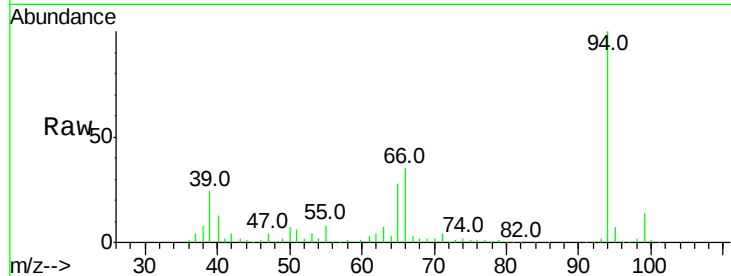
Tot Ion: 94 Resp: 527853

Ion Ratio Lower Upper

94 100

65 28.2 7.9 47.9

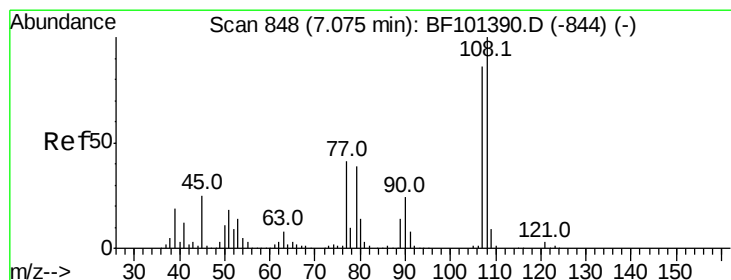
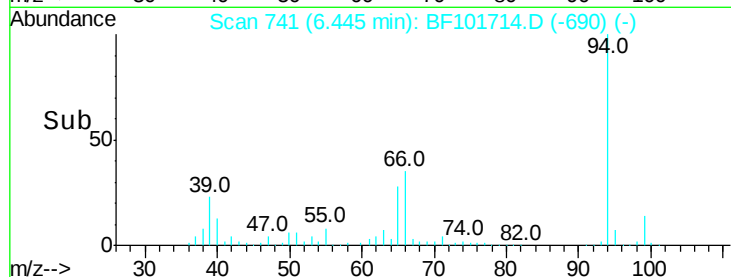
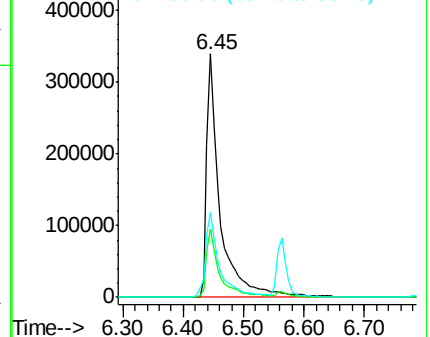
66 34.7 16.2 56.2



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



#17

2-Methylphenol

Concen: 13.261 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Tgt Ion: 107 Resp: 125787

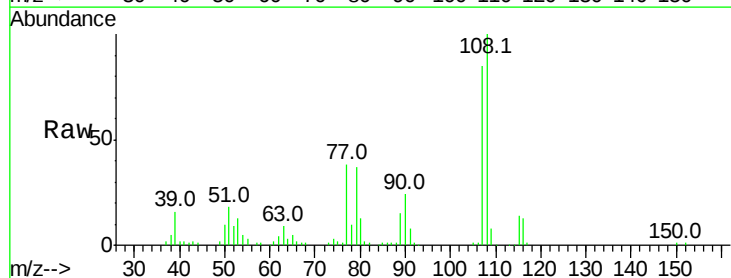
Ion Ratio Lower Upper

107 100

108 117.8 91.7 137.5

77 44.8 33.8 50.8

79 43.5 33.8 50.8

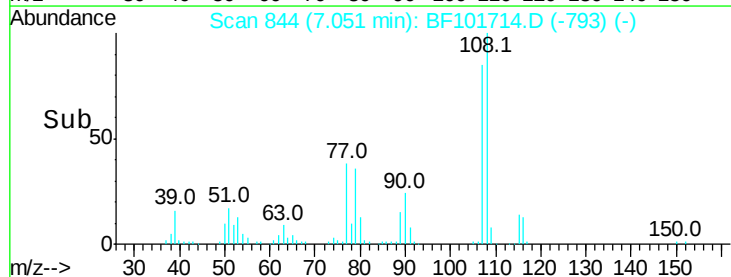
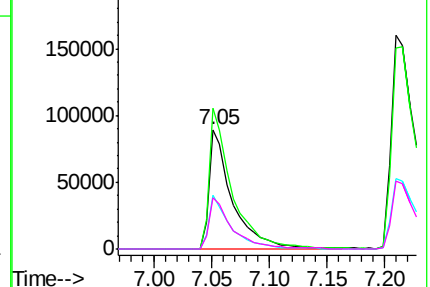


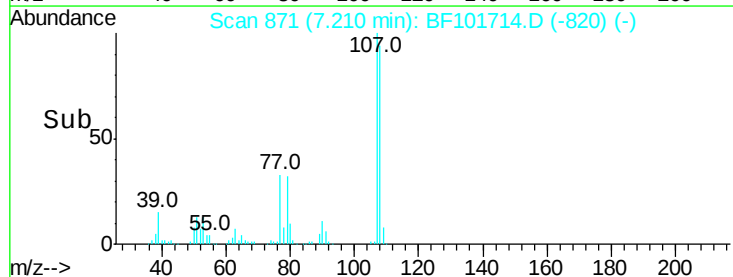
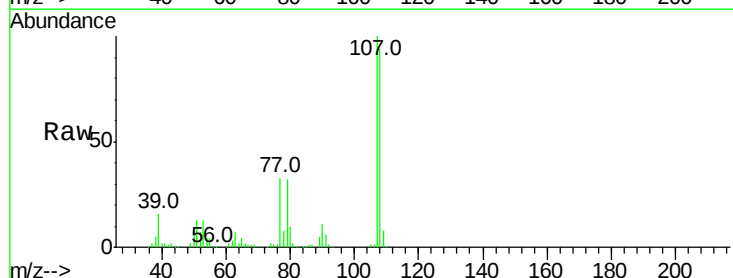
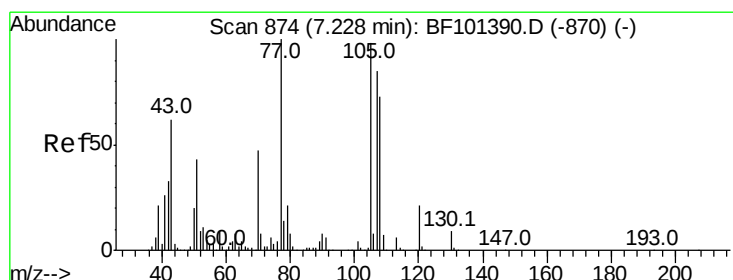
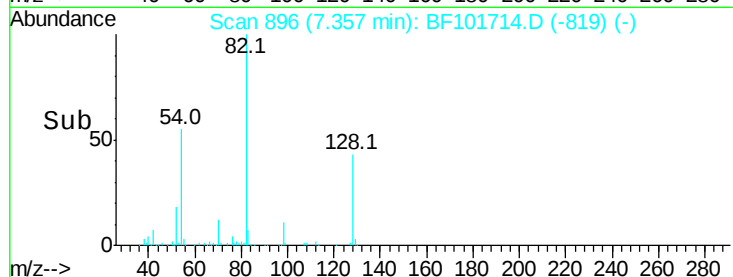
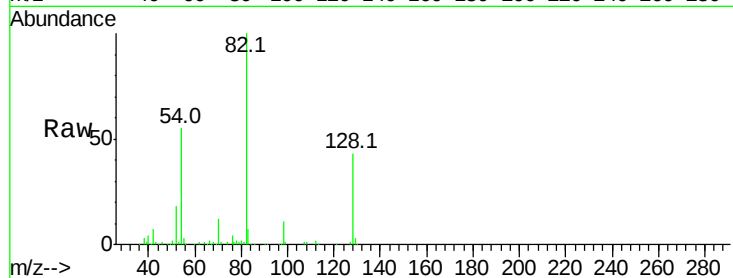
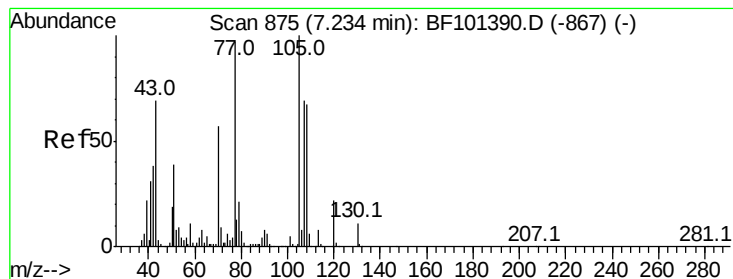
Abundance Ion 107.00 (106.70 to 107.70): E

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





#19

n-Nitroso-di-n-propylamine

Concen: 3.656 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampleId :

WC-04-01DL

Tot Ion: 70 Resp: 29291

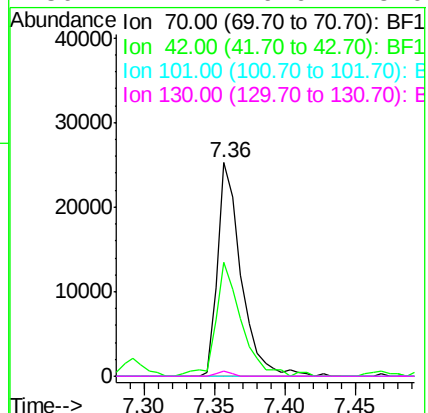
Ion Ratio Lower Upper

70 100

42 53.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#20

3+4-Methylphenols

Concen: 31.511 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Tgt Ion:107 Resp: 316743

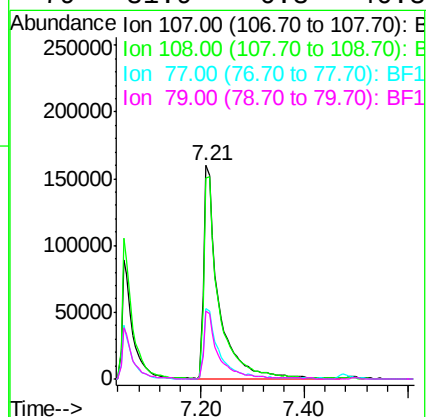
Ion Ratio Lower Upper

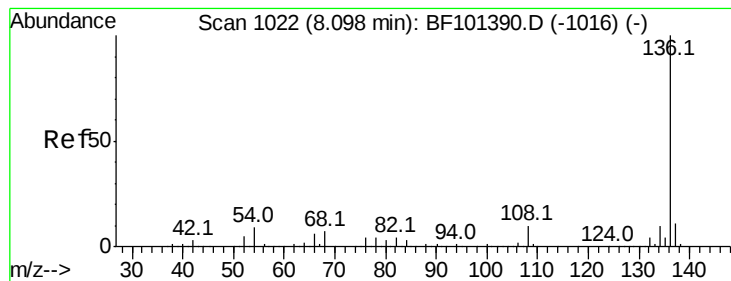
107 100

108 94.1 68.2 108.2

77 32.8 26.7 66.7

79 31.9 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampleID :

WC-04-01DL

Tot Ion:136 Resp: 557683

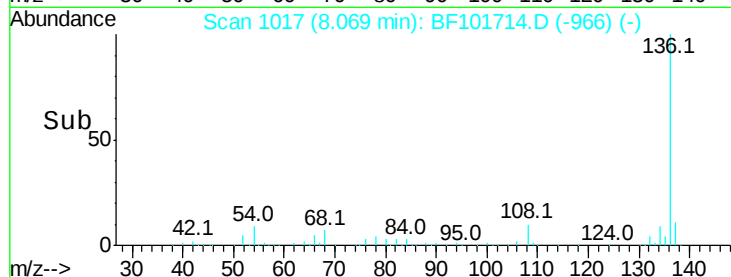
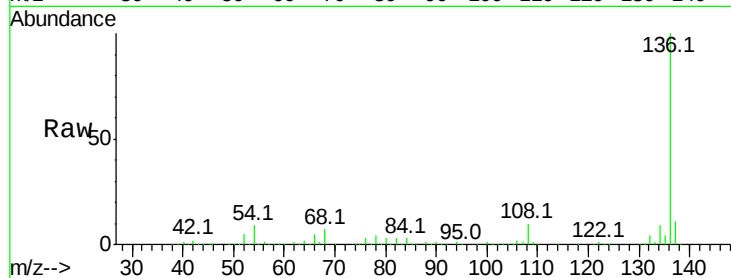
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.1 6.6 9.8

68 6.8 5.0 7.4

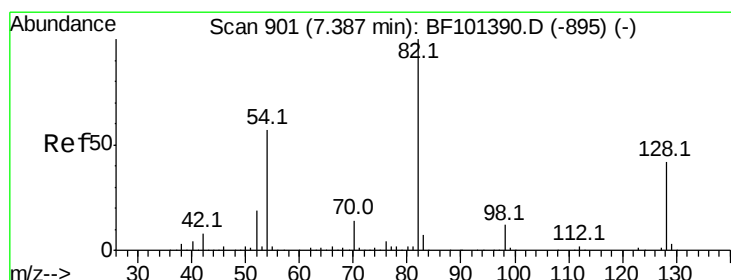
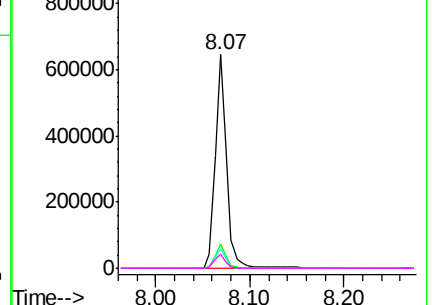


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.362 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

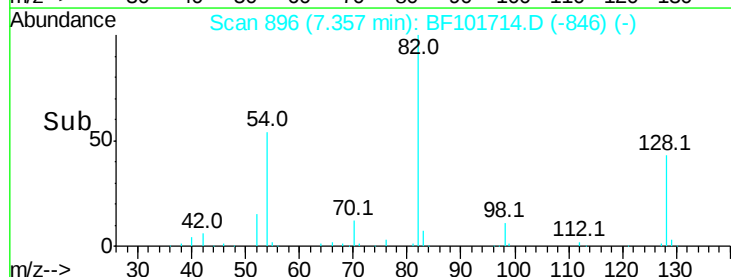
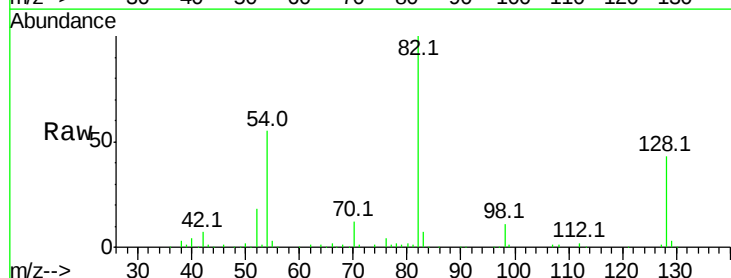
Tgt Ion: 82 Resp: 234049

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

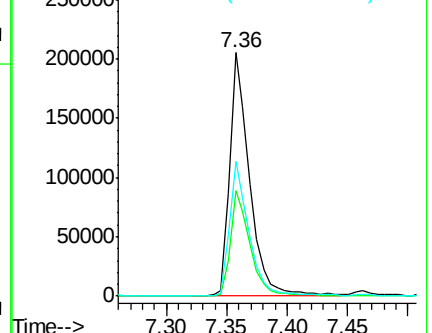
54 55.3 41.4 62.2

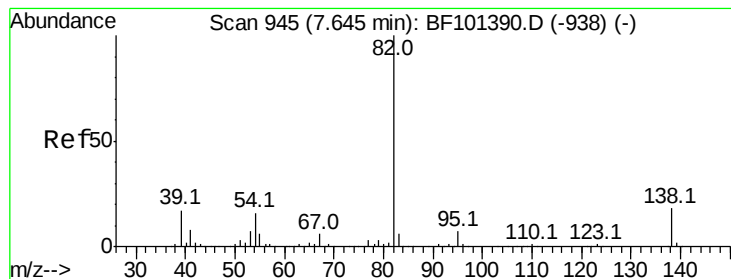


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 11.646 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampled :

WC-04-01DL

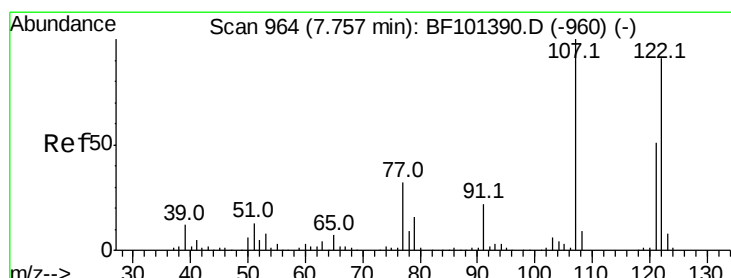
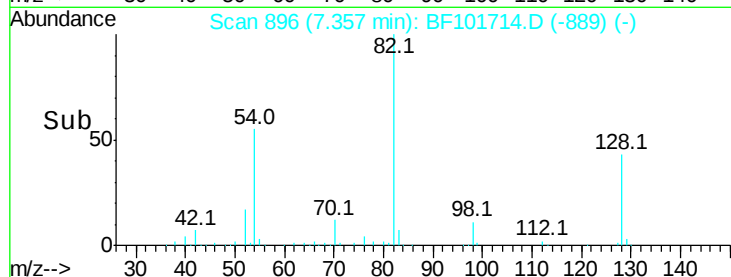
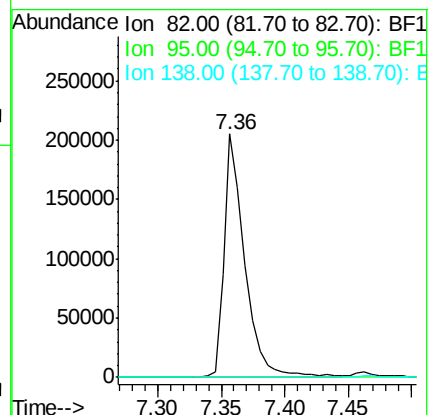
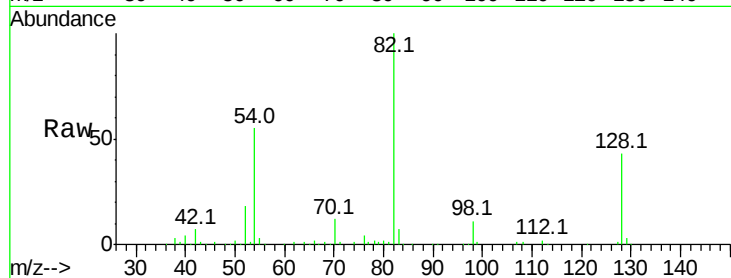
Tot Ion: 82 Resp: 234047

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 8.785 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.02 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

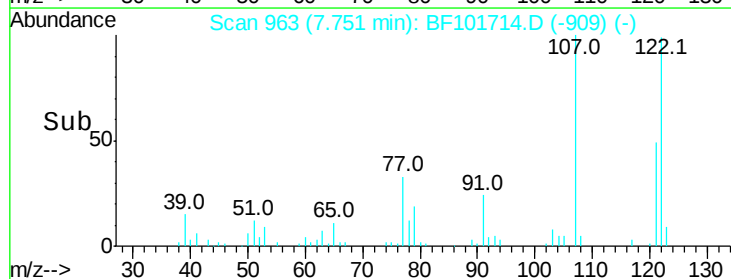
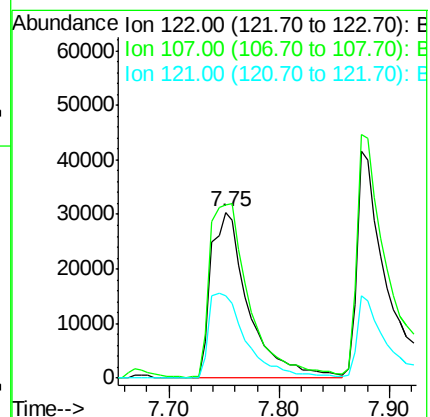
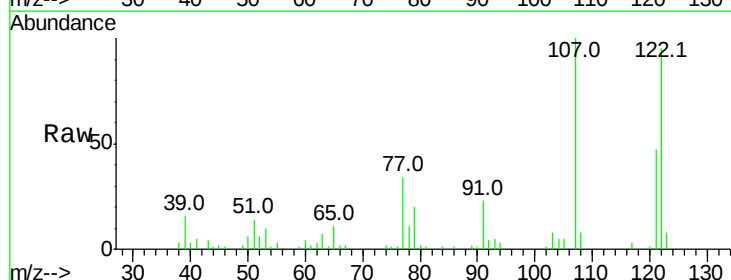
Tgt Ion:122 Resp: 71096

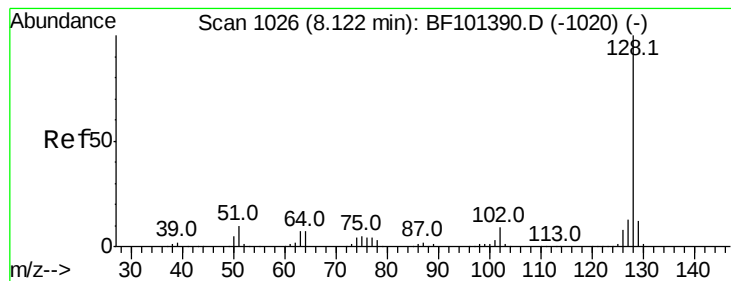
Ion Ratio Lower Upper

122 100

107 104.8 91.2 136.8

121 49.5 47.2 70.8





#31

Naphthalene

Concen: 5.036 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampleId :

WC-04-01DL

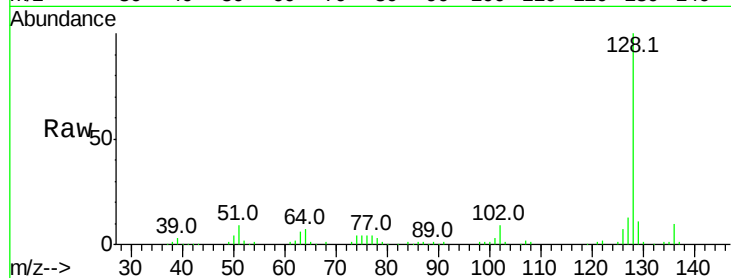
Tot Ion:128 Resp: 141393

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

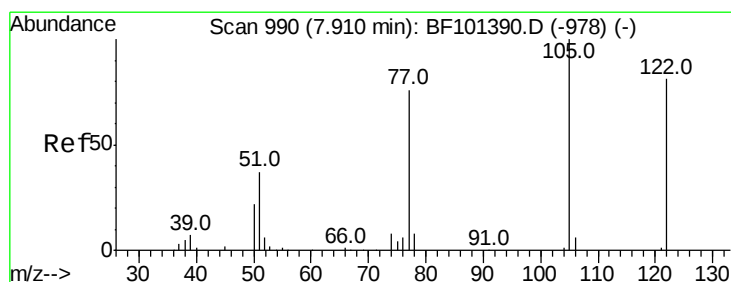
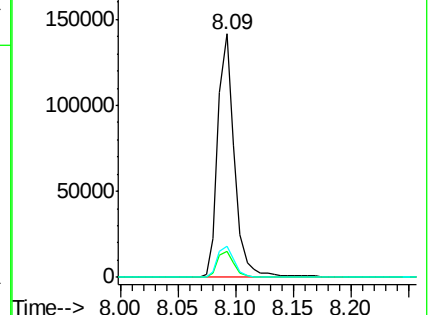
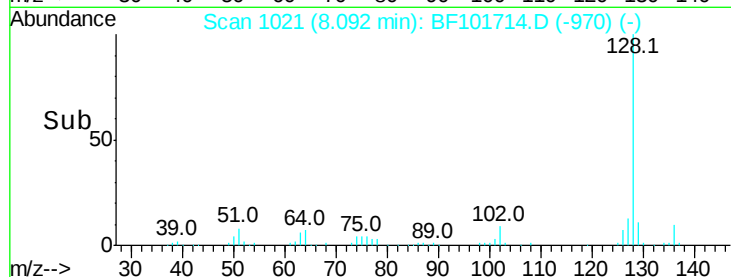
127 12.9 10.9 16.3



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: 19.027 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

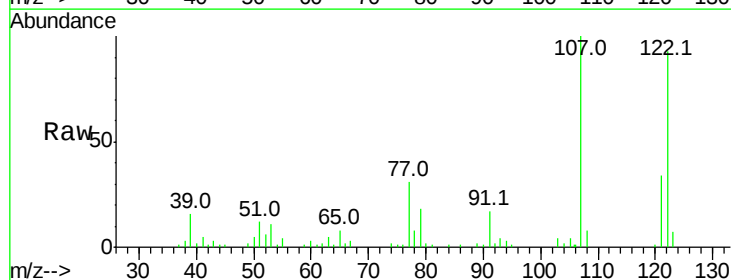
Tgt Ion:122 Resp: 72339

Ion Ratio Lower Upper

122 100

105 3.8 101.1 141.1#

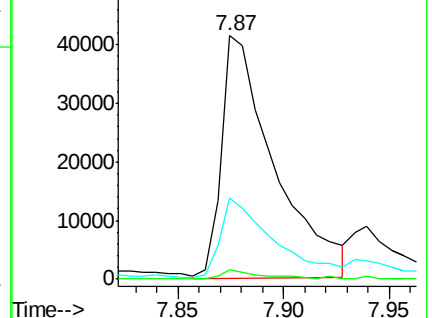
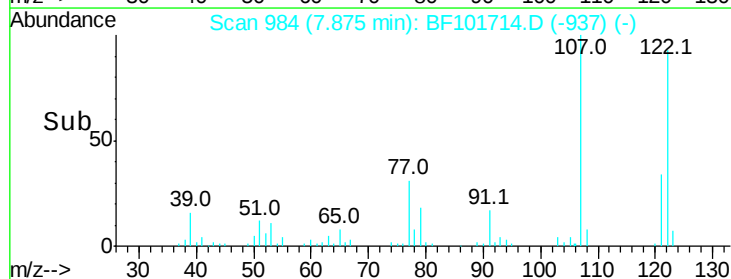
77 33.1 70.7 110.7#

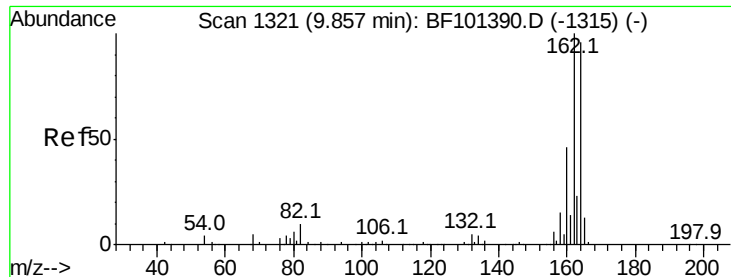


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampleId :

WC-04-01DL

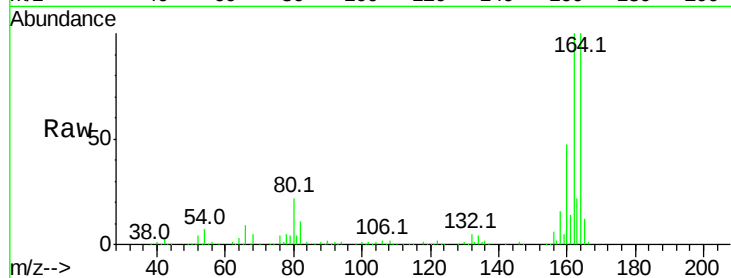
Tot Ion:164 Resp: 234396

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

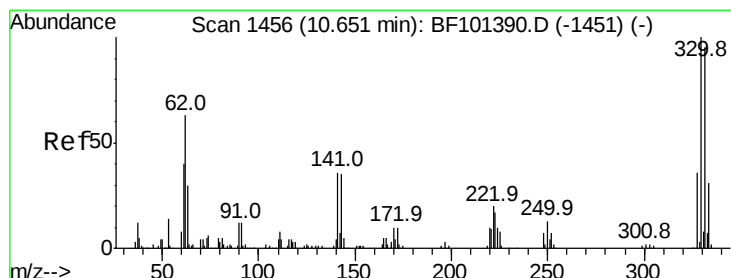
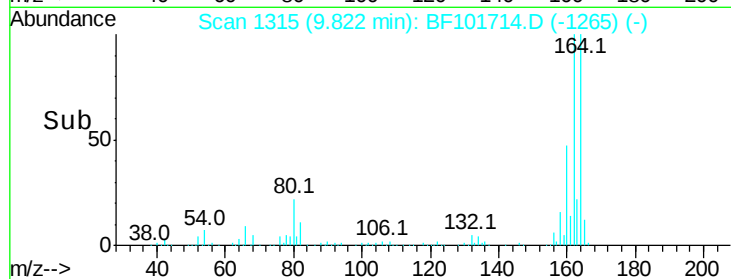
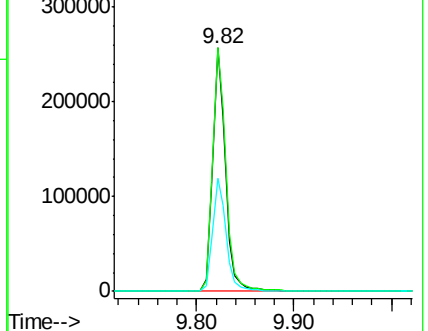
160 46.7 38.3 57.5



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: 29.995 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

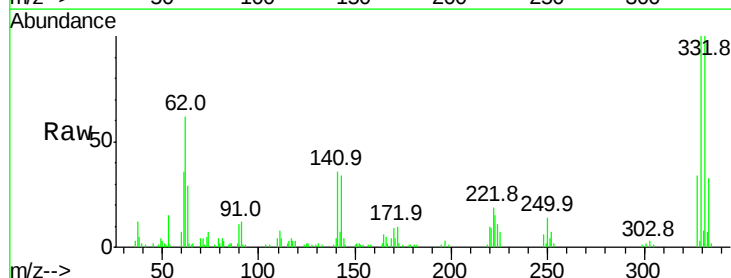
Tgt Ion:330 Resp: 67746

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

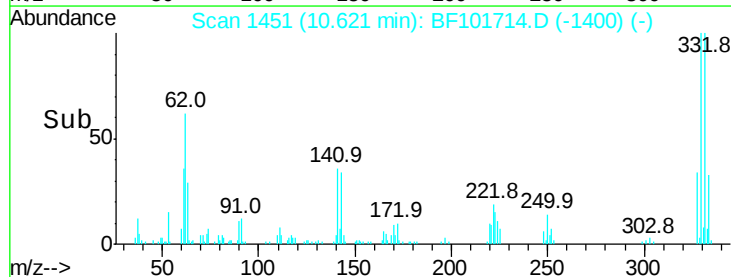
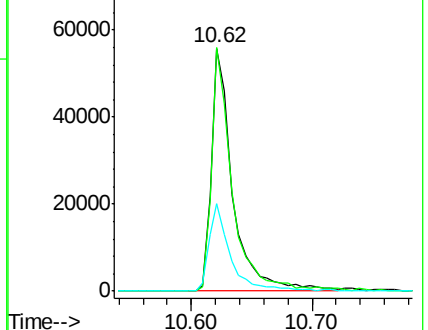
141 35.7 29.9 44.9

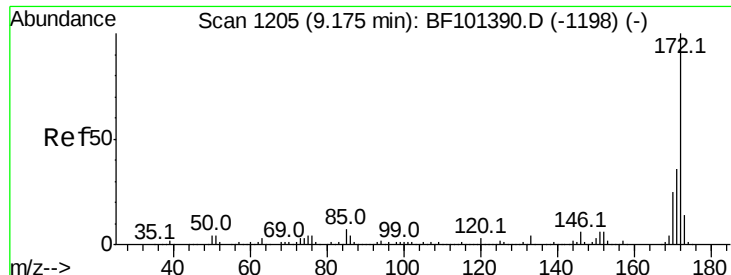


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

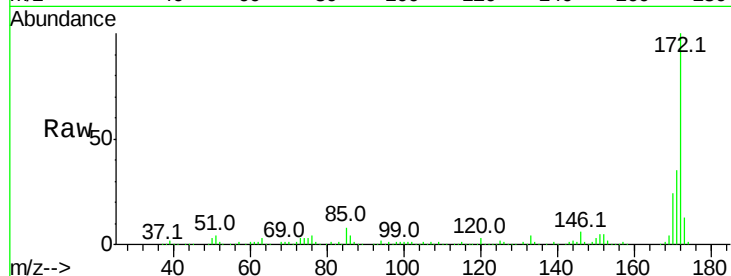




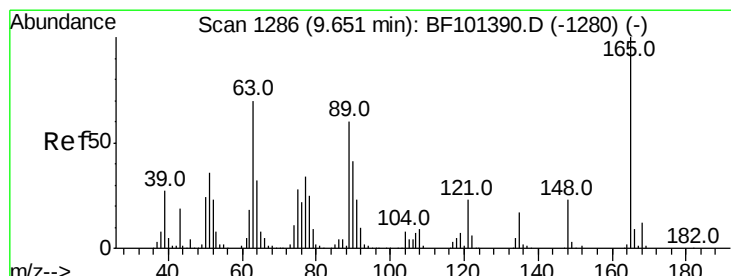
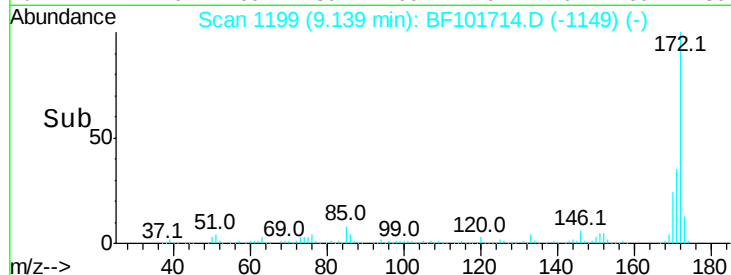
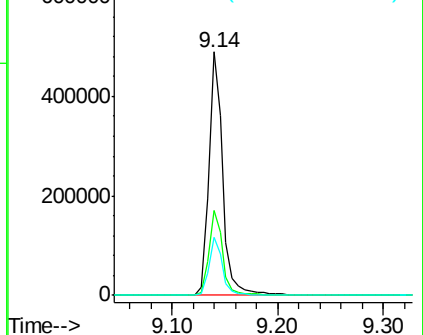
#44
 2-Fluorobiphenyl
 Concen: 29.703 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-01DL

Tot Ion:172 Resp: 448820
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 24.0 19.6 29.4

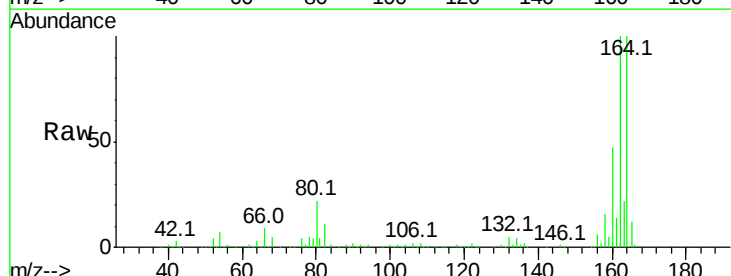


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

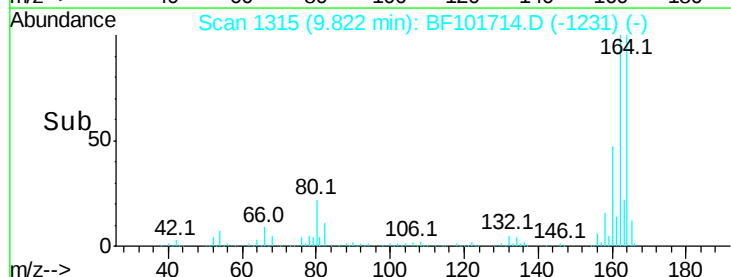
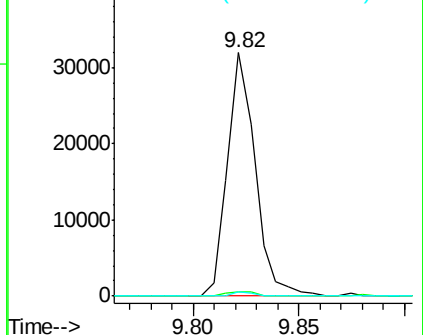


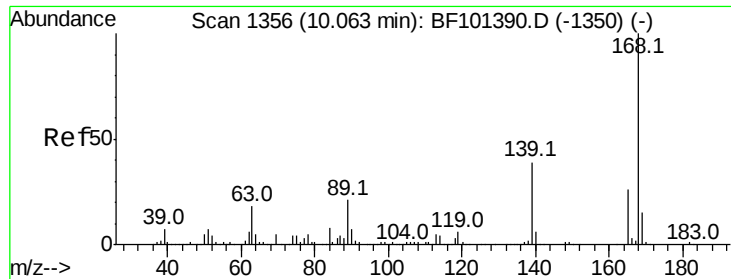
#50
 2,6-Dinitrotoluene
 Concen: 7.569 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

Tgt Ion:165 Resp: 29004
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 1.6 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

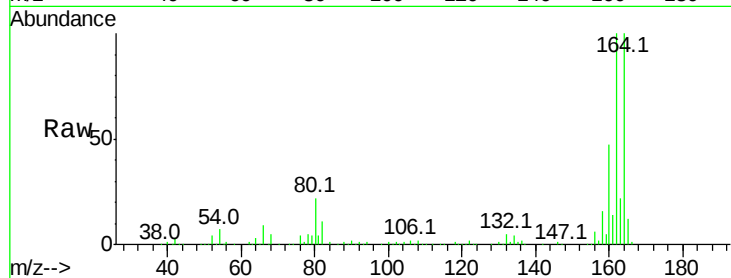




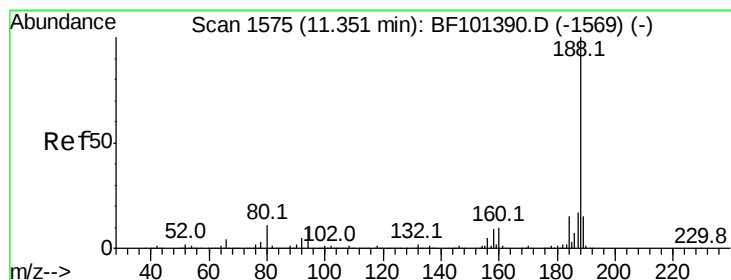
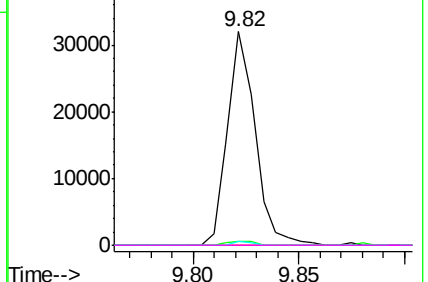
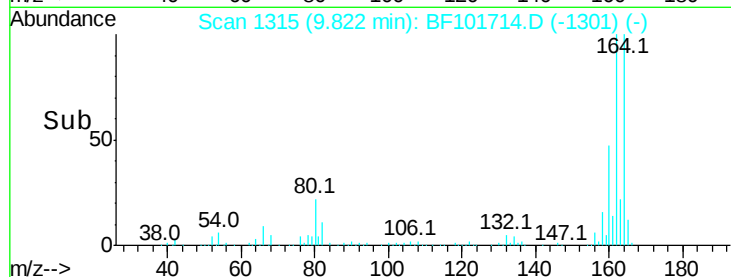
#56
 2,4-Dinitrotoluene
 Concen: 6.718 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-01DL

Tot Ion:165 Resp: 29004
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

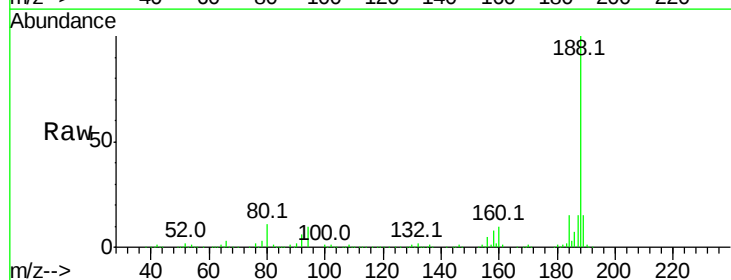


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

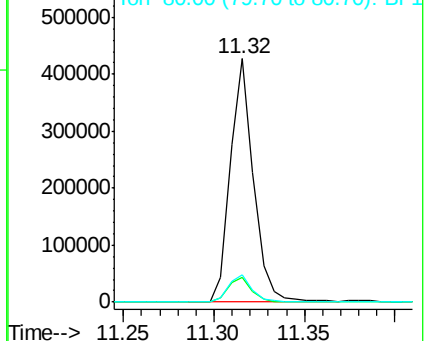
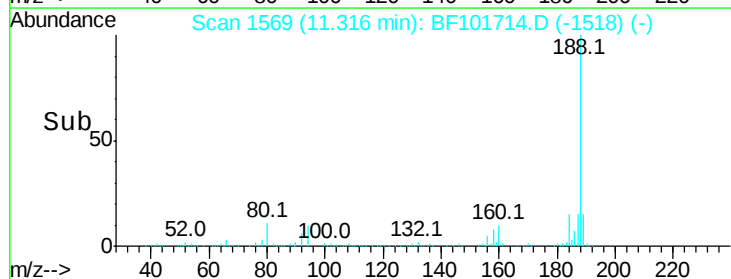


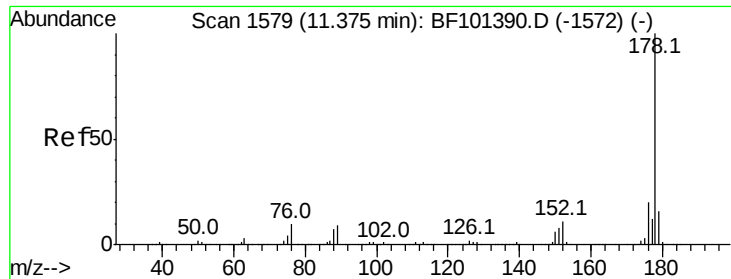
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

Tgt Ion:188 Resp: 381957
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 11.2 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

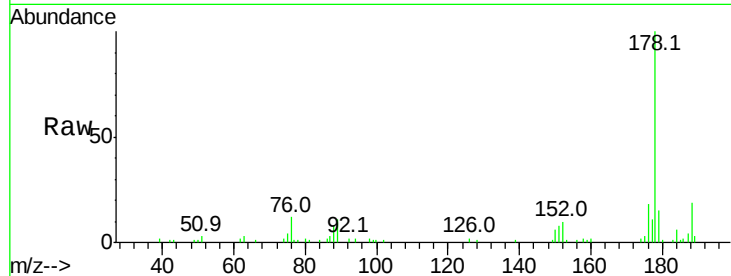




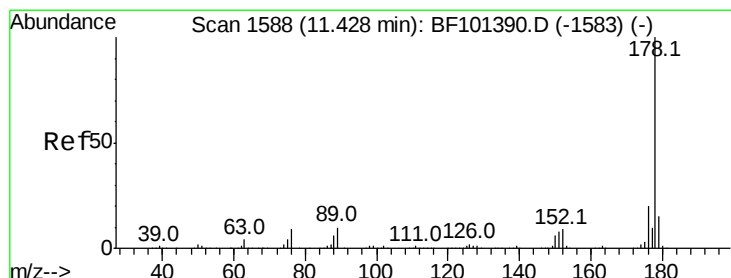
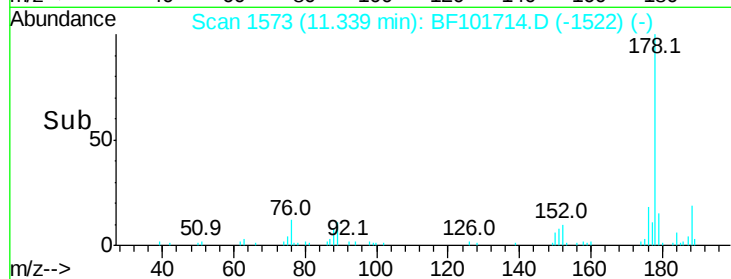
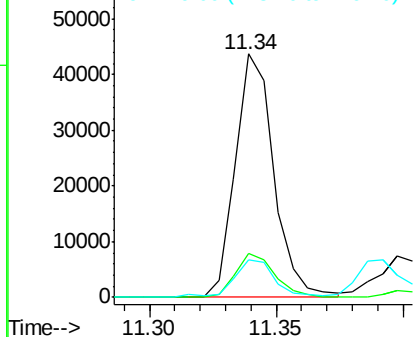
#70
 Phenanthrene
 Concen: 2.170 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-01DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.3	13.0	19.6

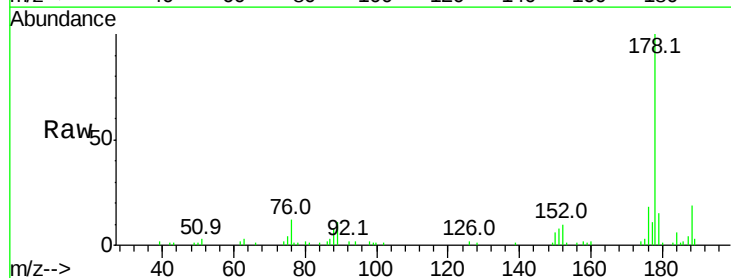


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

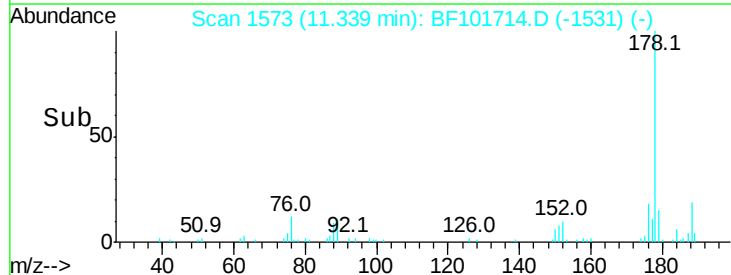
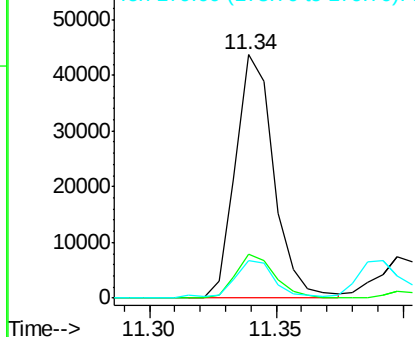


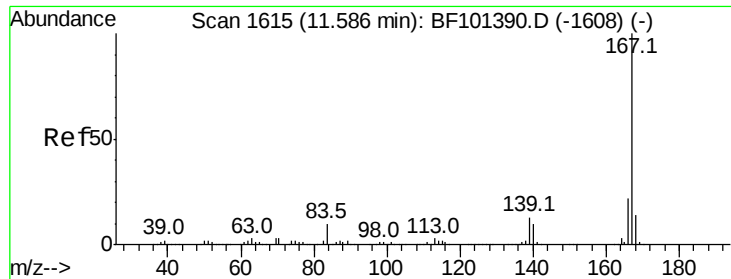
#71
 Anthracene
 Concen: 2.124 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.05 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.3	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

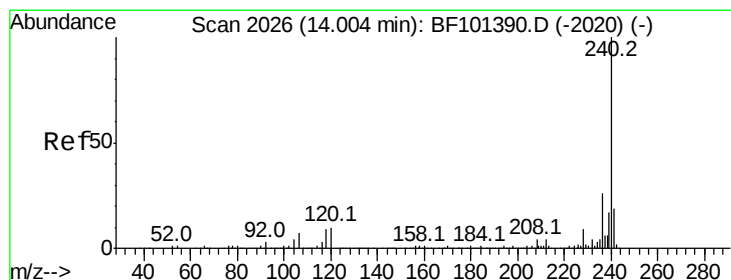
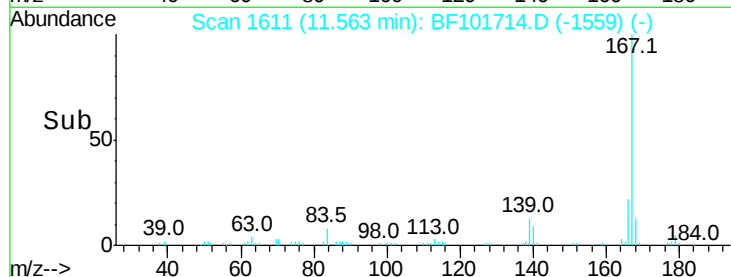
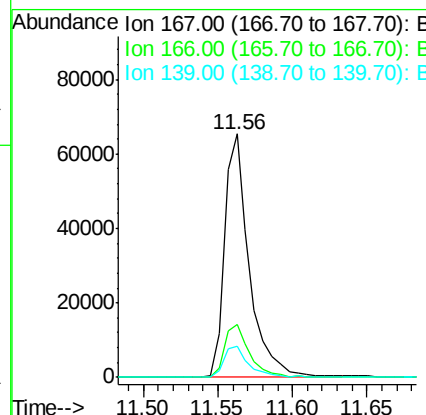
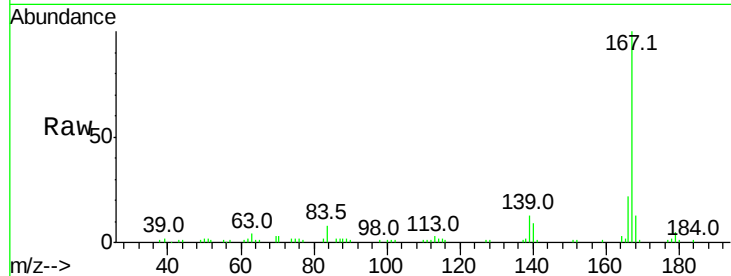




#72
 Carbazole
 Concen: 3.741 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

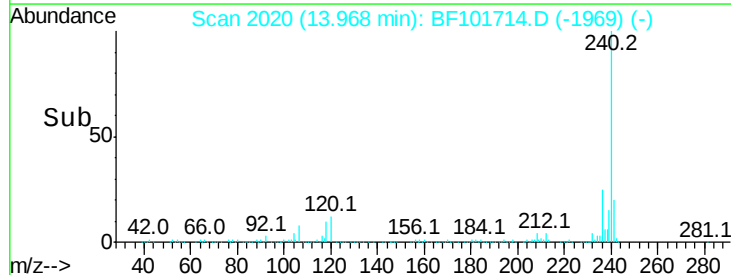
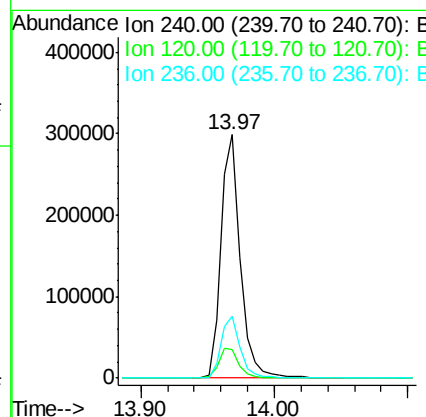
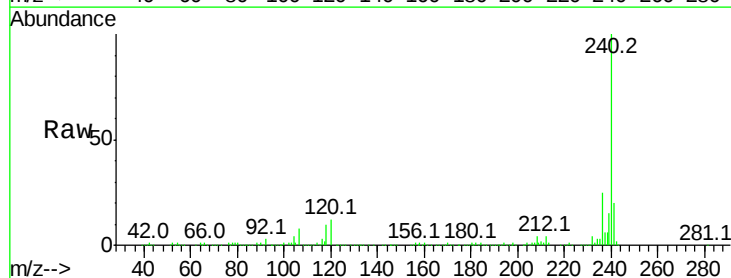
Instrument :
 BNA_F
 ClientSampleId :
 WC-04-01DL

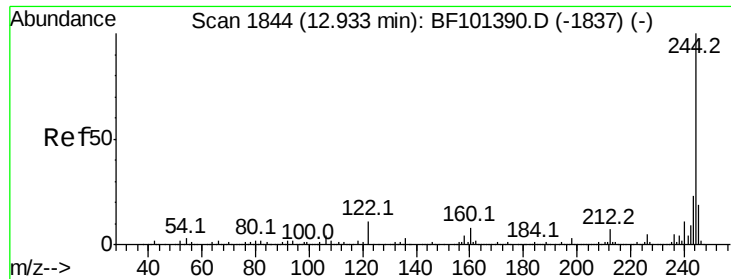
Tot Ion:167 Resp: 75998
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.0 10.9 16.3



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: BF101714.D
 Acq: 26 Dec 2017 14:39

Tgt Ion:240 Resp: 307113
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.5 14.3
 236 25.2 20.7 31.1





#78

Terphenyl-d14

Concen: 27.656 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_F

ClientSampleID :

WC-04-01DL

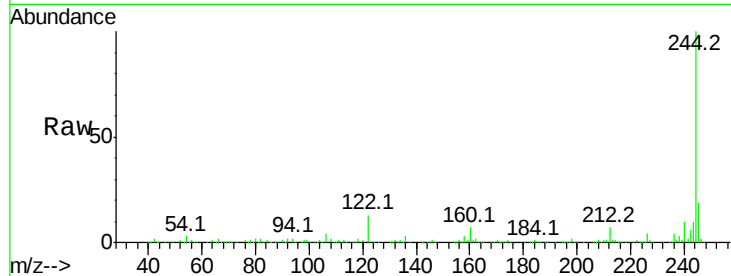
Tot Ion:244 Resp: 352311

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

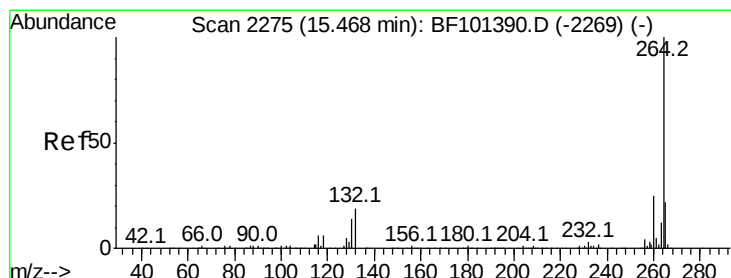
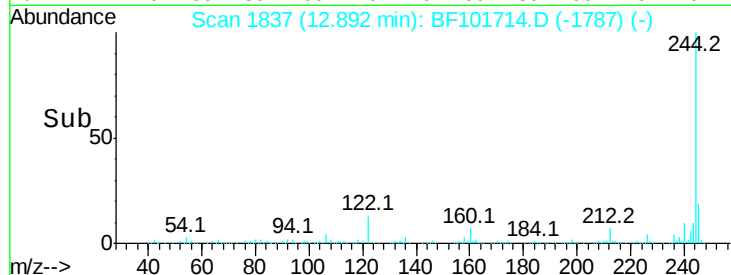
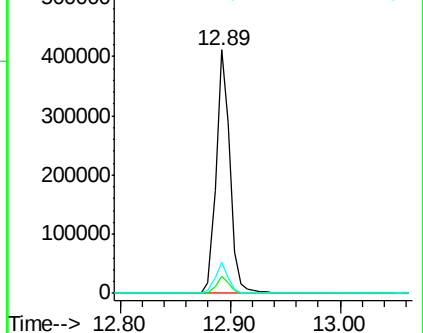
122 12.7 11.0 16.4



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: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF101714.D

Acq: 26 Dec 2017 14:39

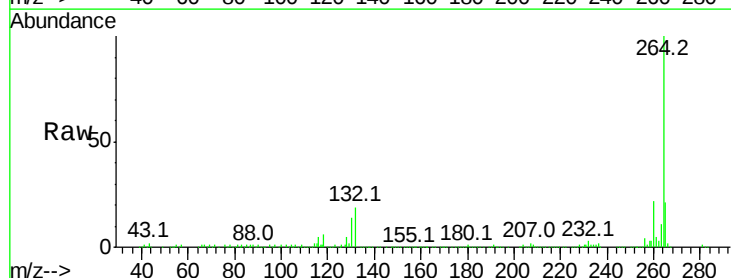
Tgt Ion:264 Resp: 286774

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

265 21.3 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

