

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101710.D
 Acq On : 26 Dec 2017 12:51
 Operator : SJ/JU
 Sample : I6836-03DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01DL

Quant Time: Dec 26 13:19:26 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

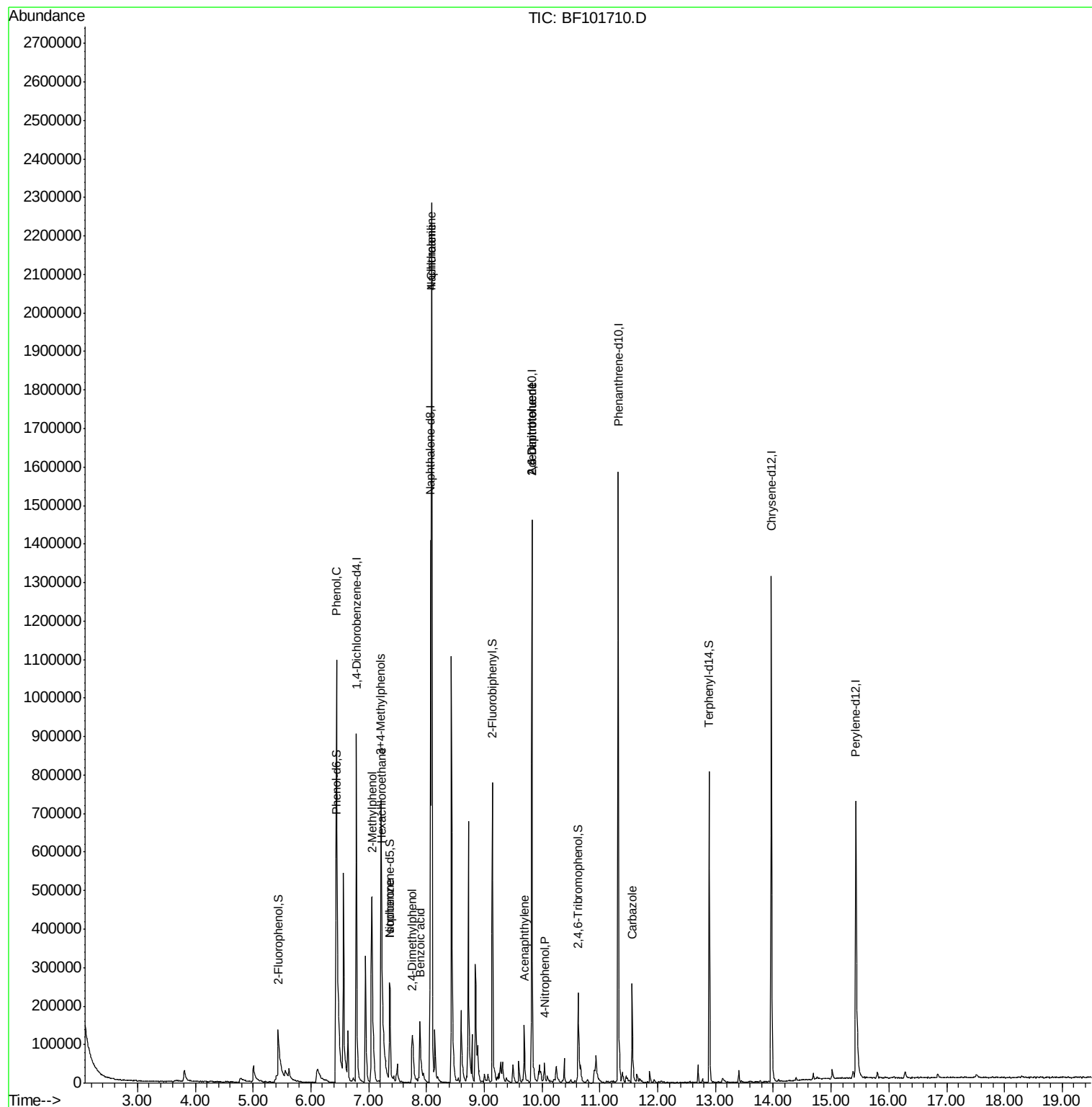
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	149912	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	594900	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	290574	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	578983	20.00	ng	0.00
75) Chrysene-d12	13.96	240	530716	20.00	ng	0.00
86) Perylene-d12	15.43	264	467321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	107754	10.71	ng	0.03
7) Phenol-d6	6.43	99	141703	11.31	ng	0.00
23) Nitrobenzene-d5	7.36	82	105820	9.90	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	40760	14.56	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	223058	11.91	ng	0.00
78) Terphenyl-d14	12.89	244	271728	12.34	ng	0.00
Target Compounds						
10) Phenol	6.45	94	644803	45.168	ng	99
17) 2-Methylphenol	7.06	107	104172	10.697	ng	98
18) Hexachloroethane	7.23	117	13645	3.217	ng	# 2
20) 3+4-Methylphenols	7.21	107	348726	33.793	ng	88
25) Isophorone	7.36	82	105820	4.936	ng	# 64
27) 2,4-Dimethylphenol	7.75	122	49082	5.686	ng	97
31) Naphthalene	8.09	128	1154212	38.539	ng	100
32) Benzoic acid	7.89	122	53276	15.601	ng	# 14
33) 4-Chloroaniline	8.09	127	153801	11.815	ng	# 33
48) Acenaphthylene	9.69	152	71775	2.305	ng	99
50) 2,6-Dinitrotoluene	9.82	165	36813	7.750	ng	# 26
55) 4-Nitrophenol	10.04	139	8321	3.222	ng	# 11
56) 2,4-Dinitrotoluene	9.82	165	36813	6.878	ng	# 24
72) Carbazole	11.56	167	115003	3.735	ng	96

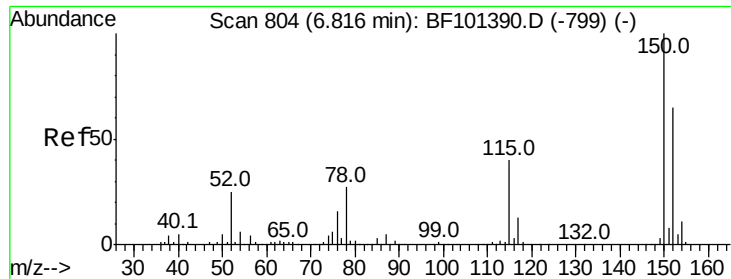
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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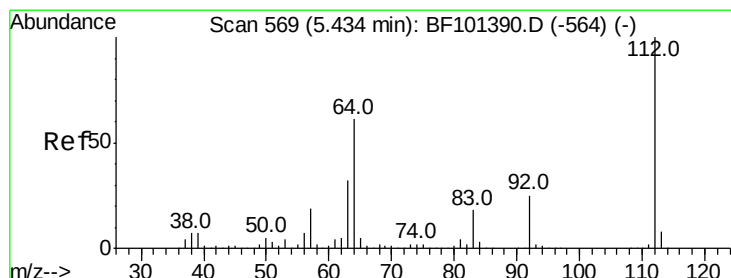
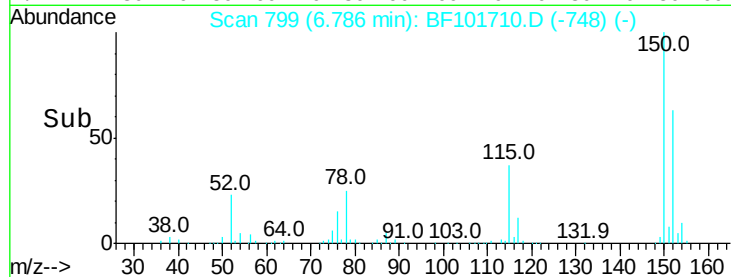
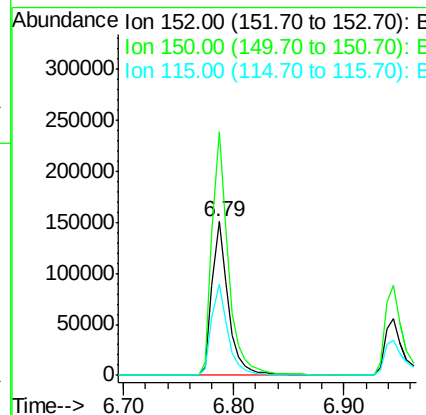
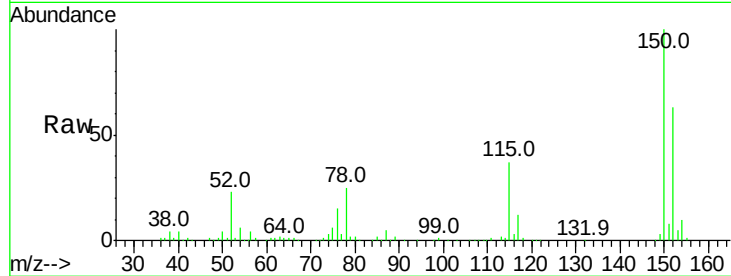


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101710.D
Acq: 26 Dec 2017 12:51

Instrument :
BNA_F
ClientSampleId :
WC-70-01DL

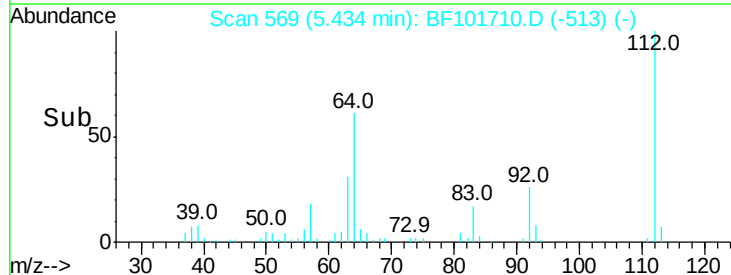
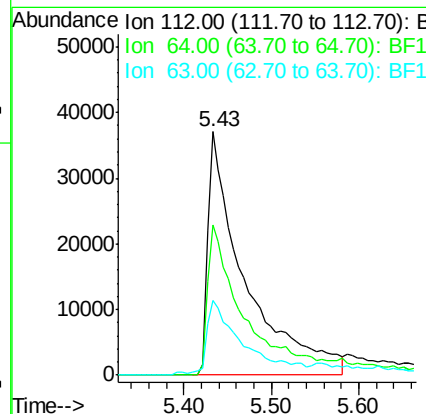
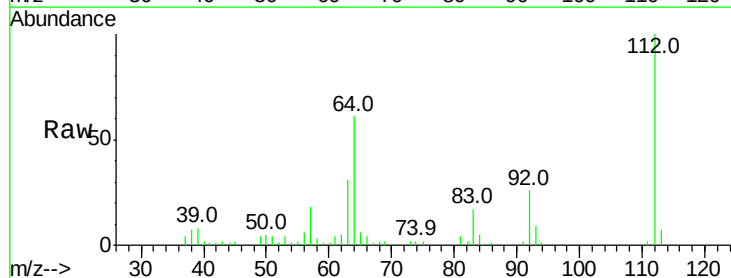
Tot Ion:152 Resp: 149912
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 59.4 50.1 75.1

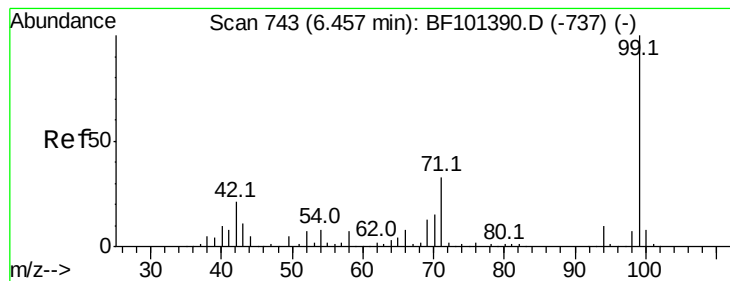


#5

2-Fluorophenol
Concen: 10.707 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.03 min
Lab File: BF101710.D
Acq: 26 Dec 2017 12:51

Tgt Ion:112 Resp: 107754
Ion Ratio Lower Upper
112 100
64 61.5 47.9 71.9
63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 11.314 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

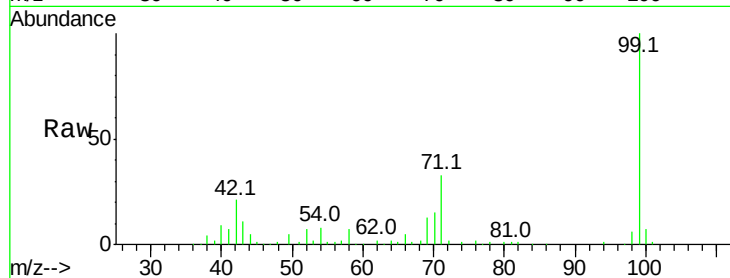
Tot Ion: 99 Resp: 141703

Ion Ratio Lower Upper

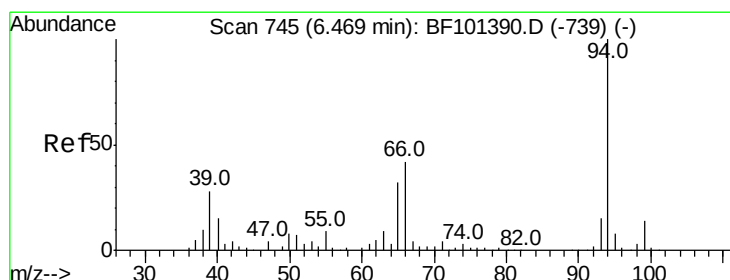
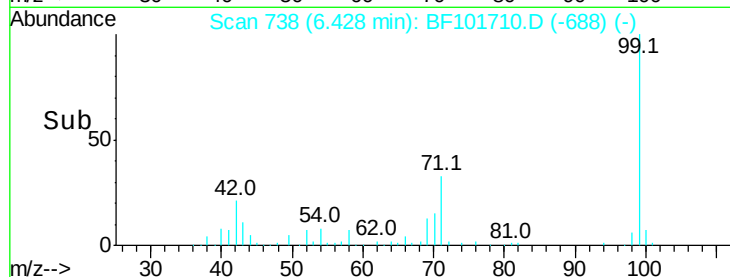
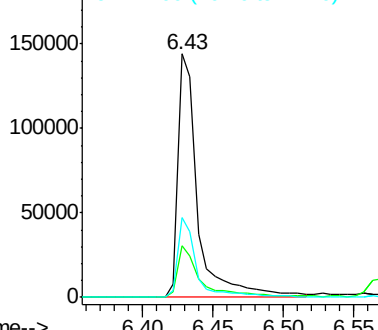
99 100

42 21.1 14.5 21.7

71 33.0 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: 45.168 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

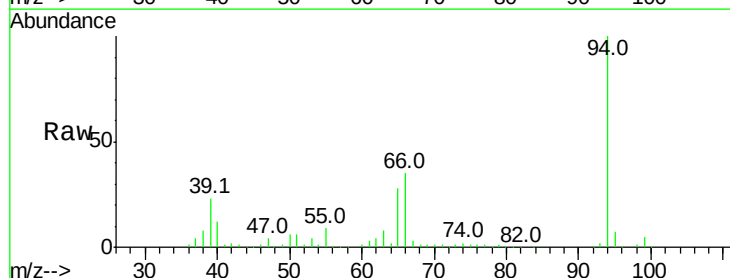
Tgt Ion: 94 Resp: 644803

Ion Ratio Lower Upper

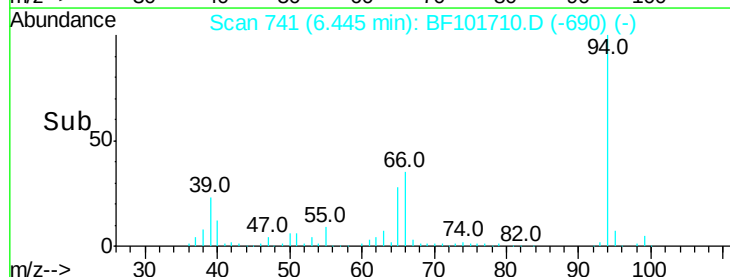
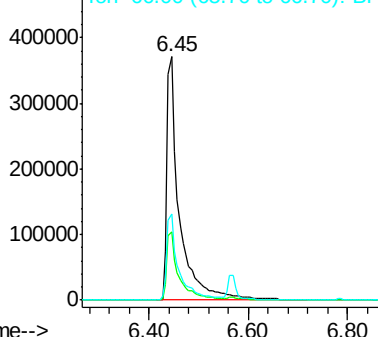
94 100

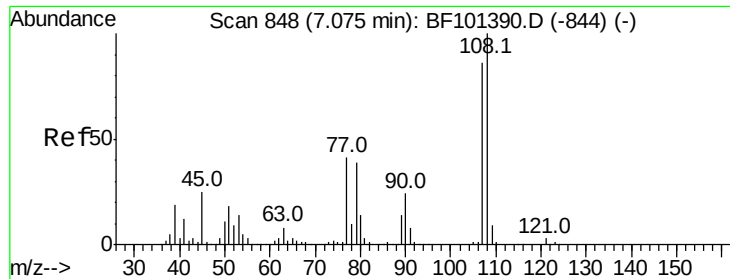
65 27.9 7.9 47.9

66 35.5 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: 10.697 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleID :

WC-70-01DL

Tot Ion:107 Resp: 104172

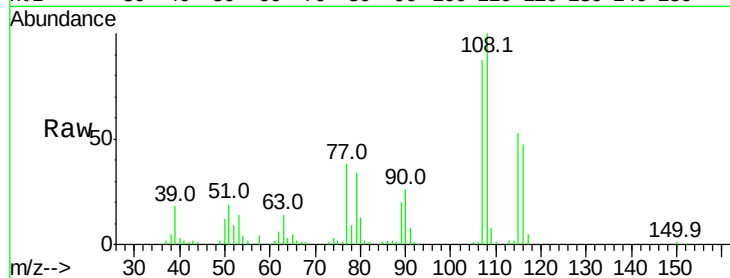
Ion Ratio Lower Upper

107 100

108 115.5 91.7 137.5

77 44.1 33.8 50.8

79 39.8 33.8 50.8

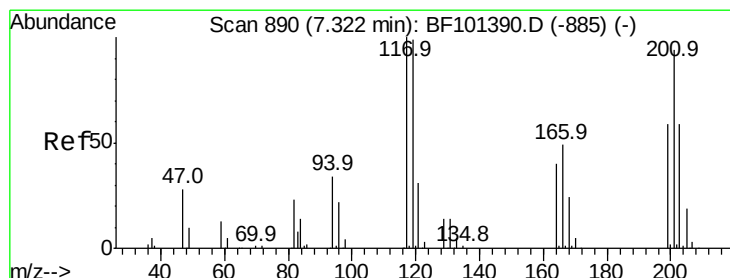
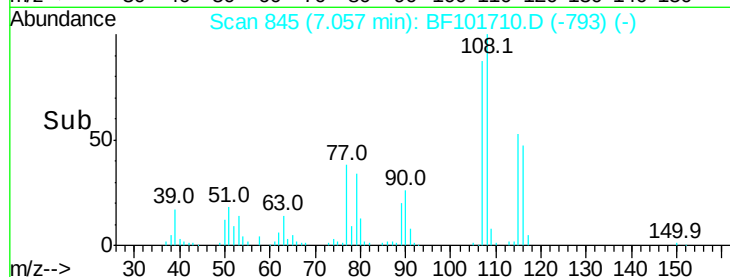
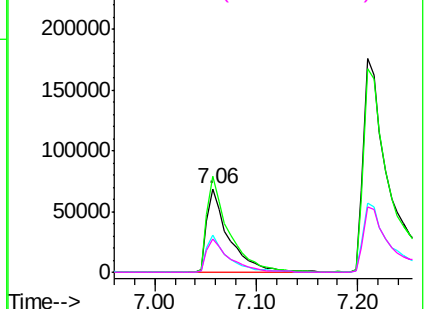


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 3.217 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.06 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

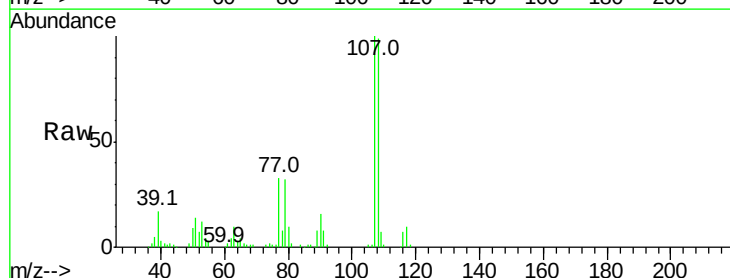
Tgt Ion:117 Resp: 13645

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

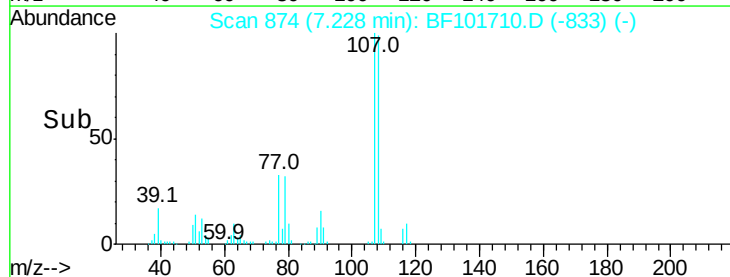
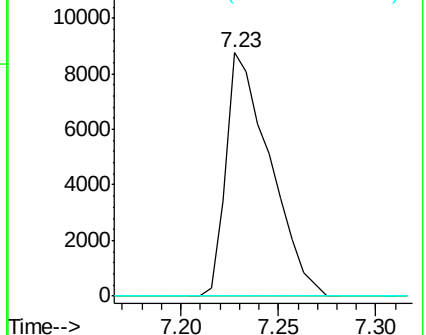
201 0.0 75.7 113.5#

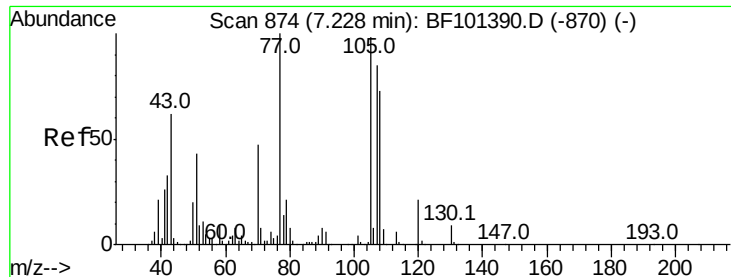


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 33.793 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

Tot Ion:107 Resp: 348726

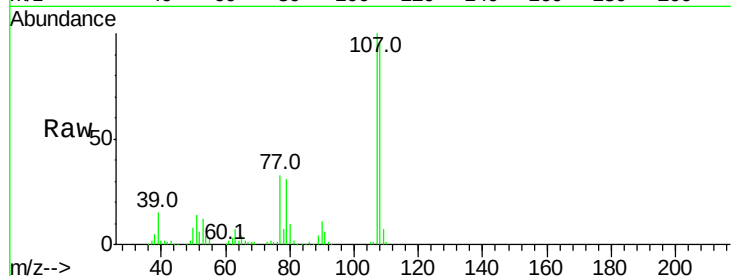
Ion Ratio Lower Upper

107 100

108 95.2 68.2 108.2

77 32.5 26.7 66.7

79 30.8 6.3 46.3

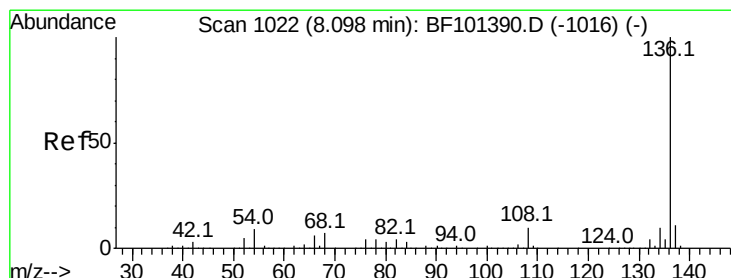
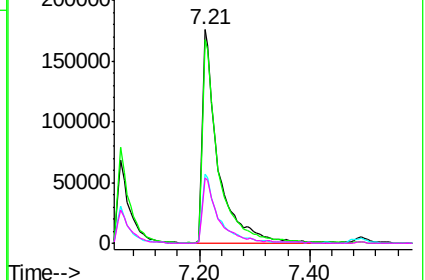
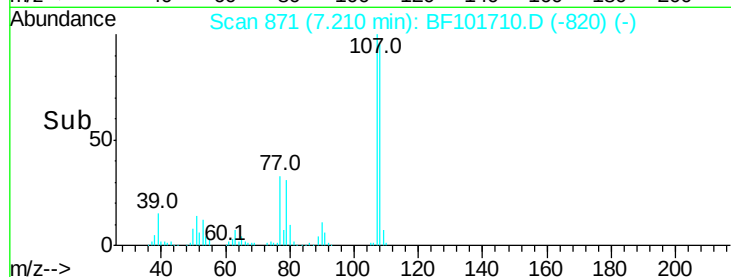


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Tgt Ion:136 Resp: 594900

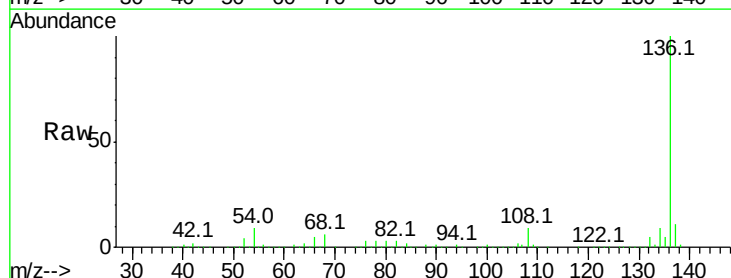
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.6 6.6 9.8

68 6.4 5.0 7.4

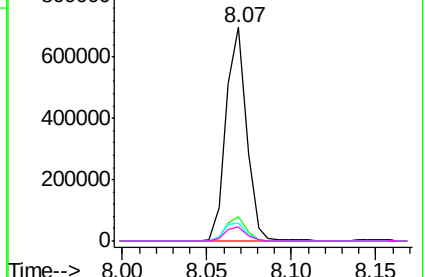
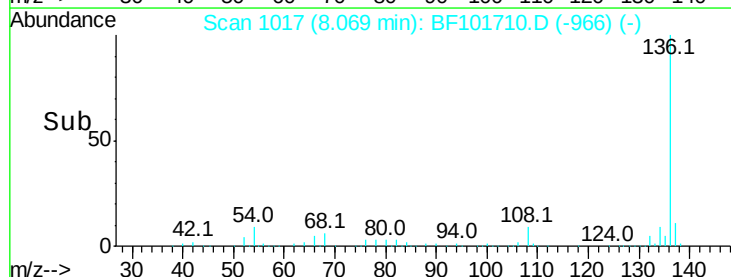


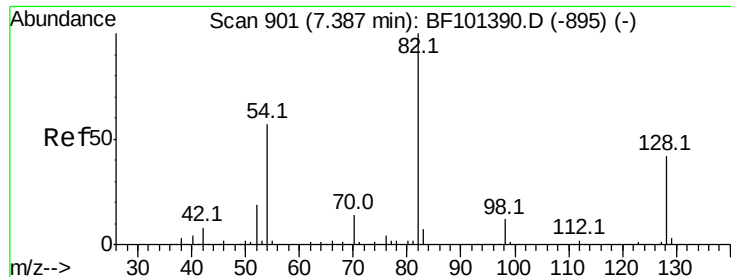
Abundance Ion 136.00 (135.70 to 136.70): E

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

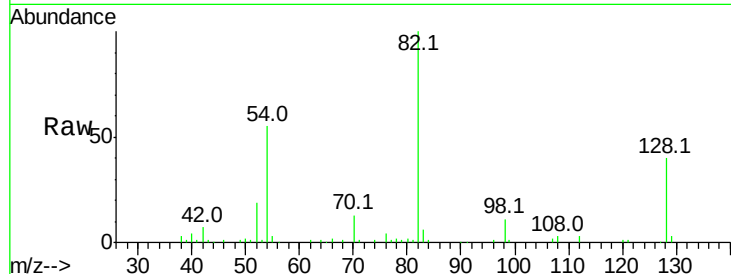




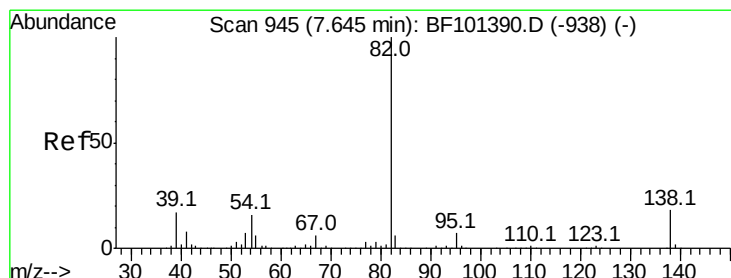
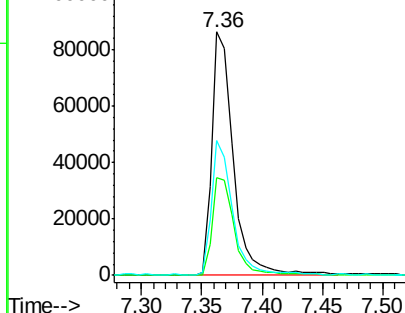
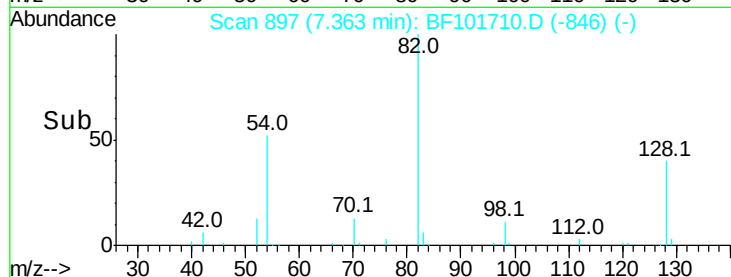
#23
 Nitrobenzene-d5
 Concen: 9.902 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: BF101710.D
 Acq: 26 Dec 2017 12:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01DL

Tot Ion	82	Resp	105820
Ion Ratio	Lower	Upper	
82	100		
128	40.2	36.1	54.1
54	55.1	41.4	62.2

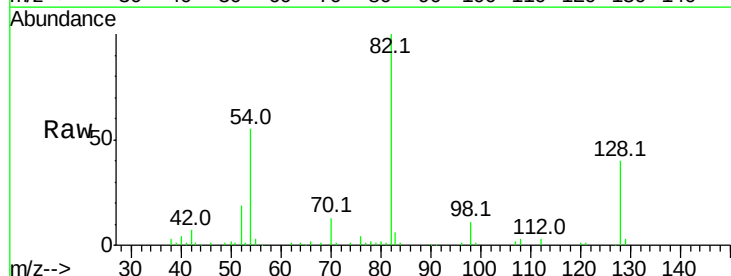


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

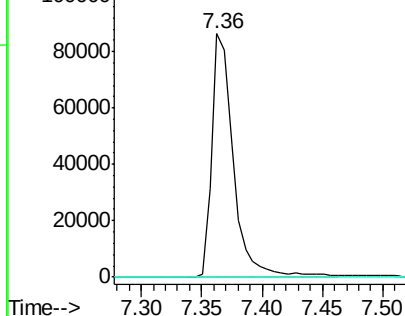
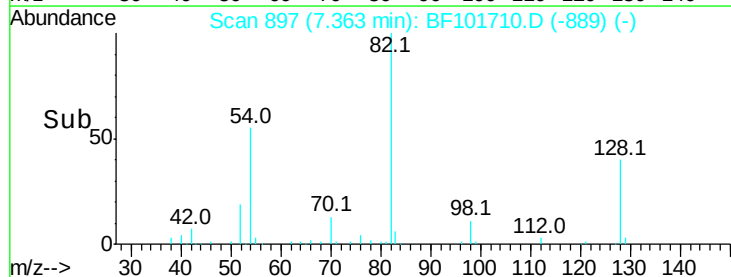


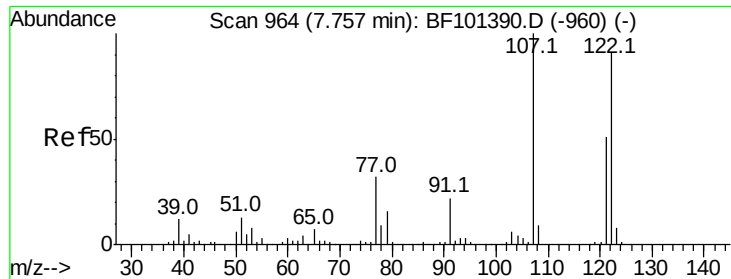
#25
 Isophorone
 Concen: 4.936 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.25 min
 Lab File: BF101710.D
 Acq: 26 Dec 2017 12:51

Tgt Ion	82	Resp	105820
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 5.686 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.02 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

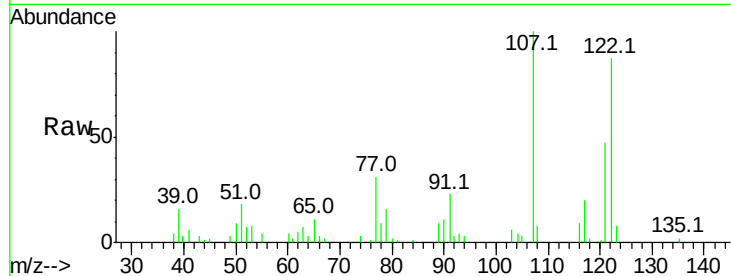
Tot Ion:122 Resp: 49082

Ion Ratio Lower Upper

122 100

107 115.4 91.2 136.8

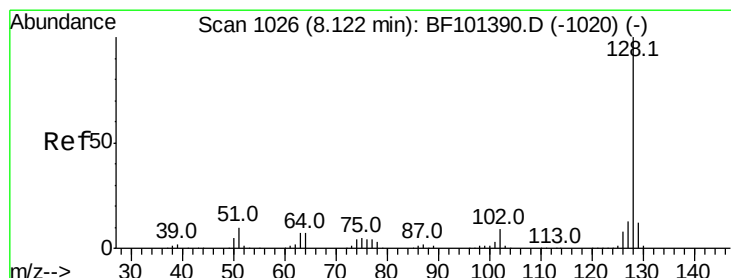
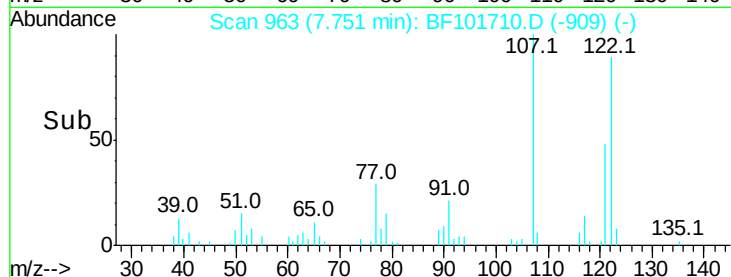
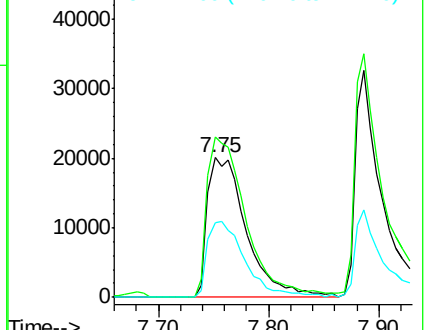
121 53.8 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 38.539 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

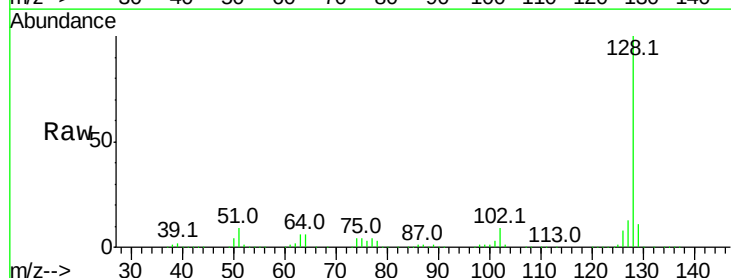
Tgt Ion:128 Resp: 1154212

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

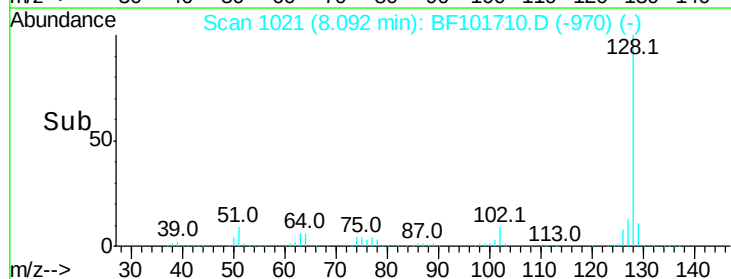
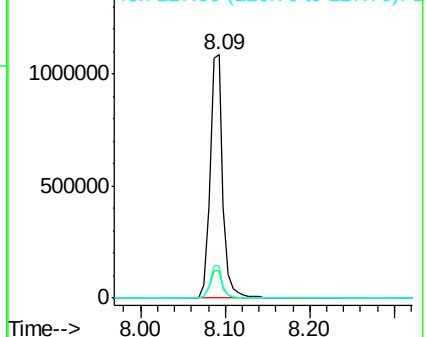
127 13.5 10.9 16.3

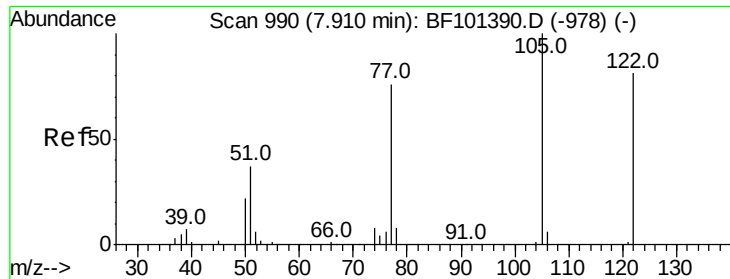


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 15.601 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

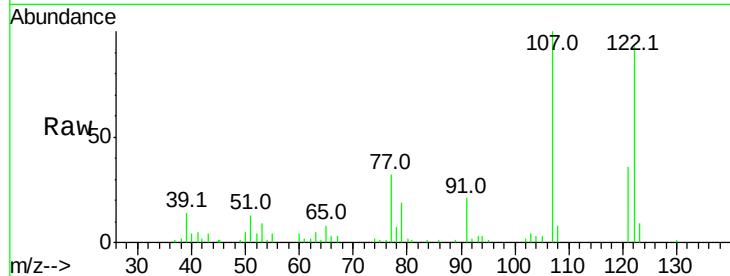
Tot Ion:122 Resp: 53276

Ion Ratio Lower Upper

122 100

105 3.2 101.1 141.1#

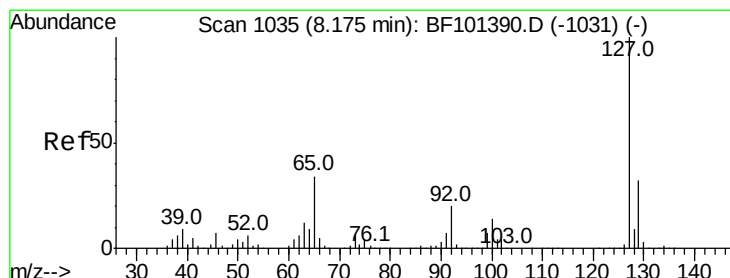
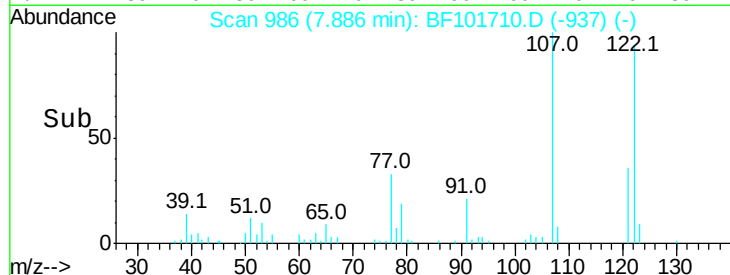
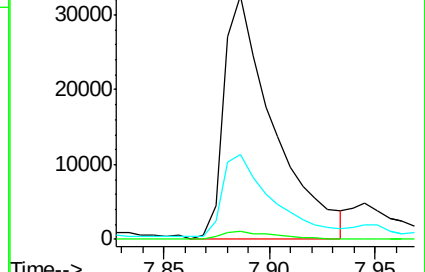
77 34.8 70.7 110.7#



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: 11.815 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Tgt Ion:127 Resp: 153801

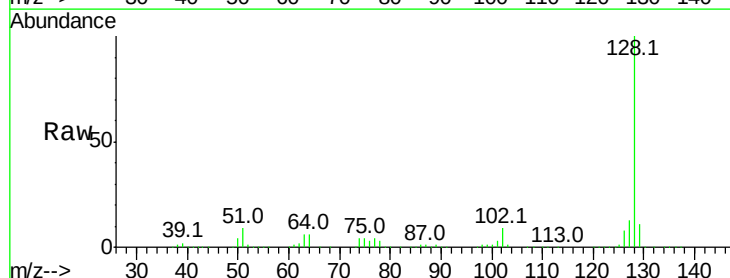
Ion Ratio Lower Upper

127 100

129 83.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

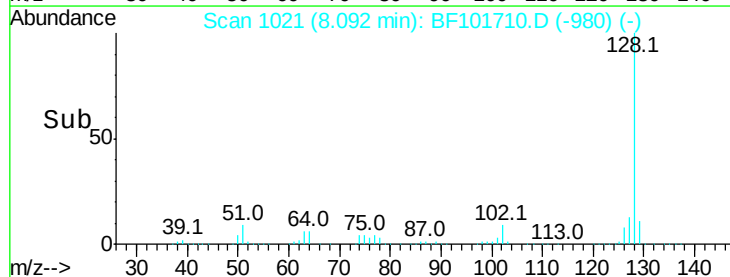
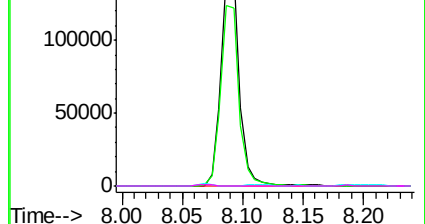


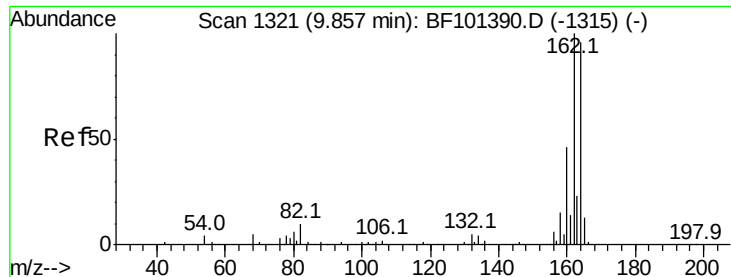
Abundance Ion 127.00 (126.70 to 127.70): E

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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

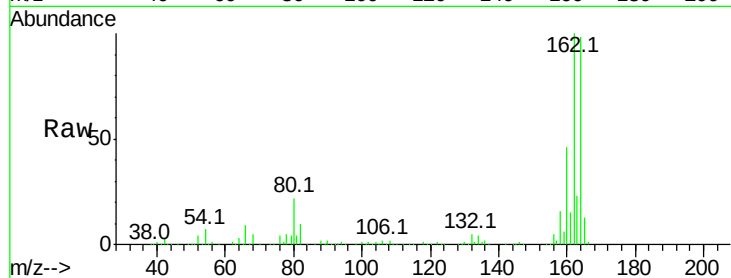
Tot Ion:164 Resp: 290574

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

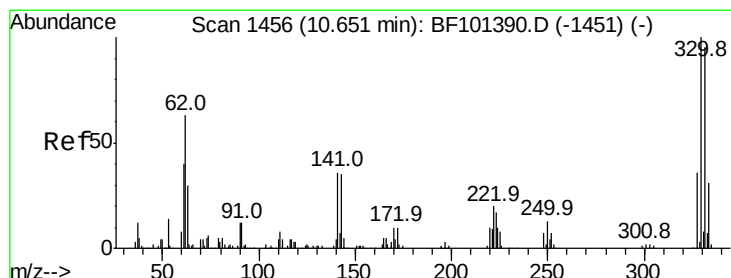
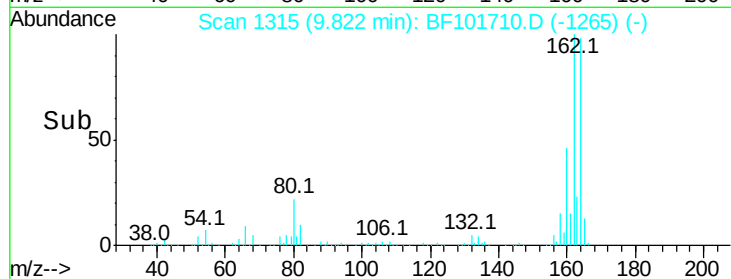
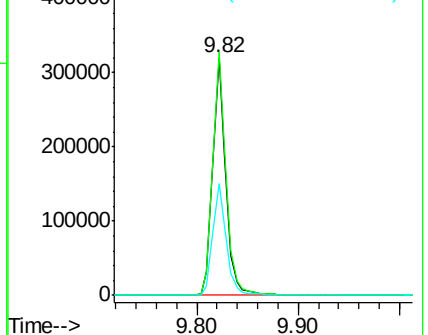
160 47.3 38.3 57.5



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: 14.558 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

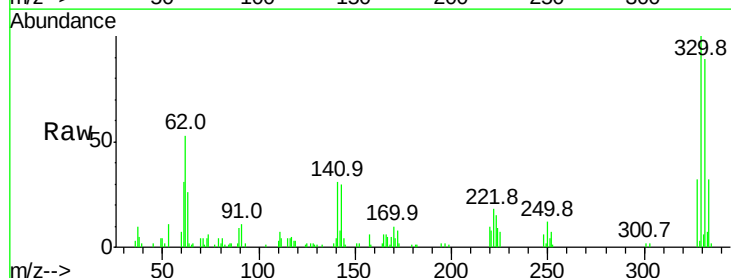
Tgt Ion:330 Resp: 40760

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

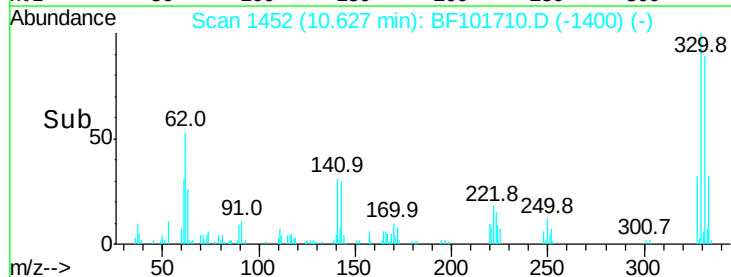
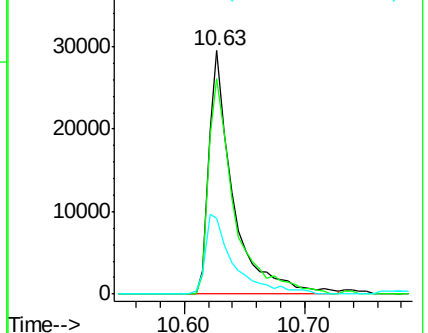
141 38.2 29.9 44.9

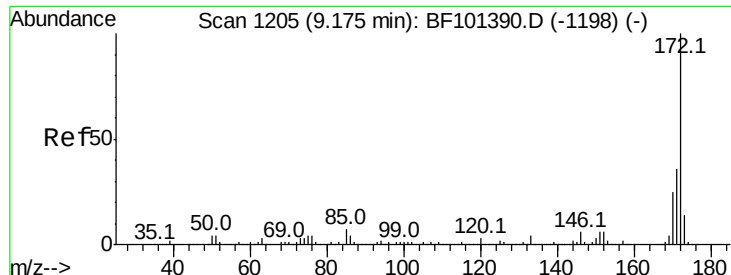


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

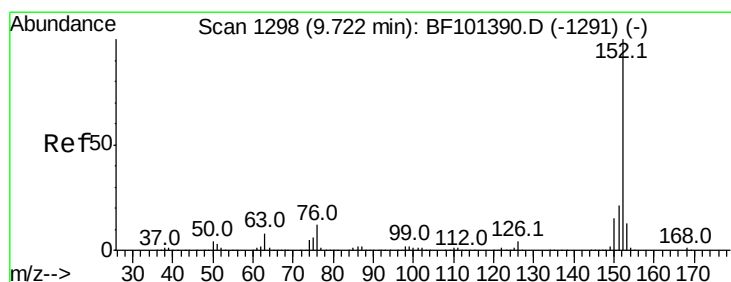
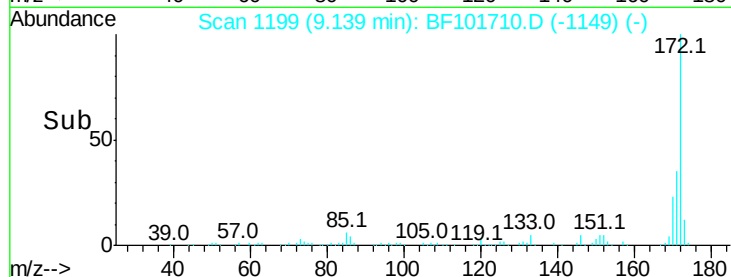
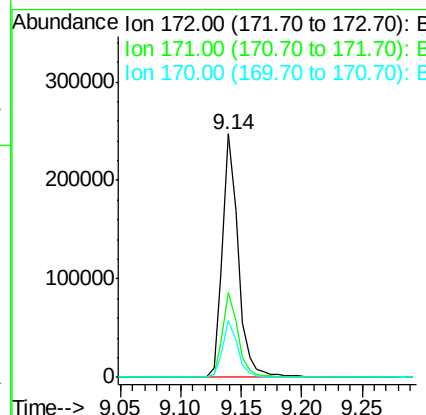
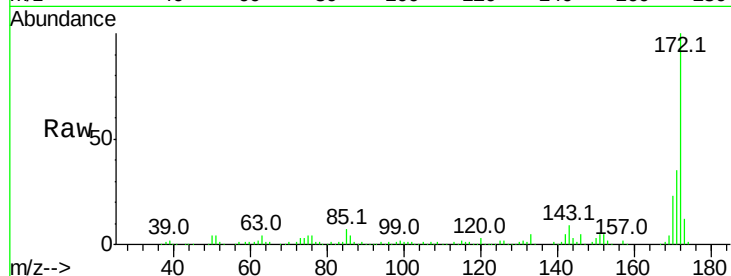




#44
 2-Fluorobiphenyl
 Concen: 11.908 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101710.D
 Acq: 26 Dec 2017 12:51

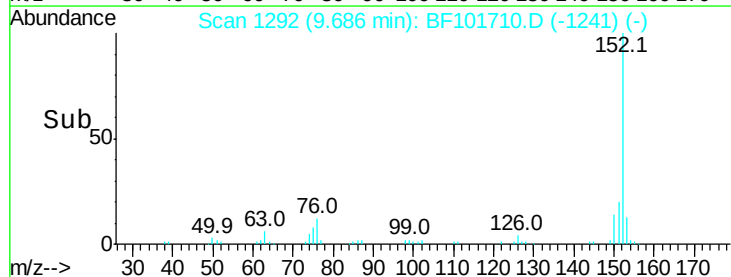
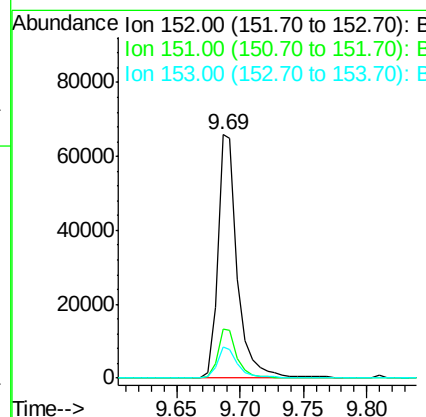
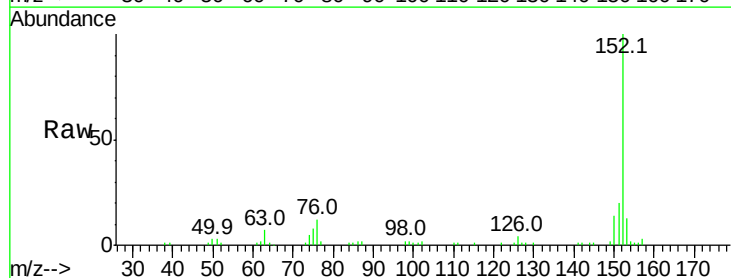
Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01DL

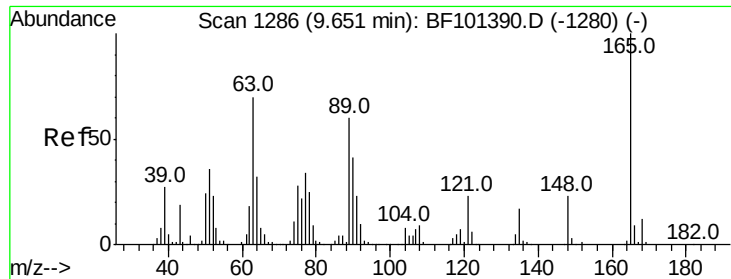
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.3	19.6	29.4



#48
 Acenaphthylene
 Concen: 2.305 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BF101710.D
 Acq: 26 Dec 2017 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	12.7	10.7	16.1





#50

2,6-Dinitrotoluene

Concen: 7.750 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.19 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

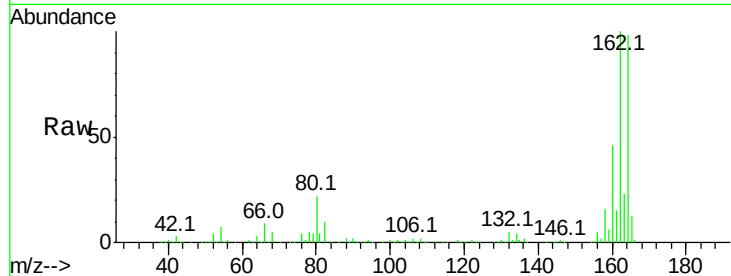
Tot Ion:165 Resp: 36813

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

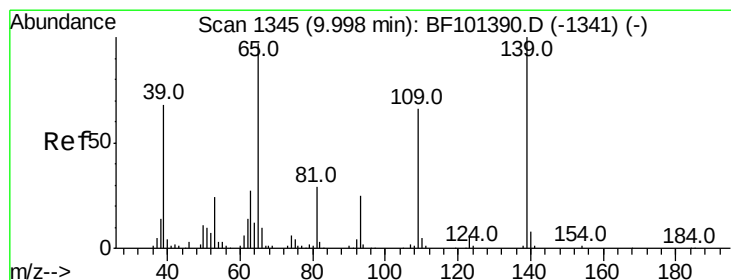
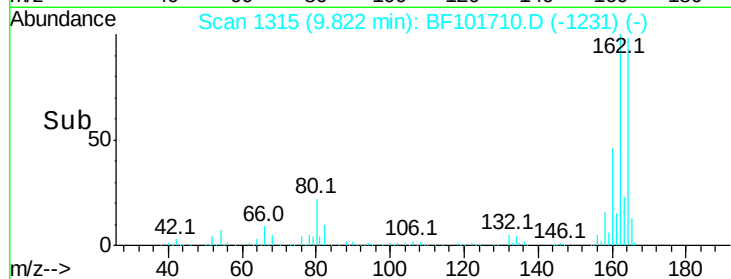
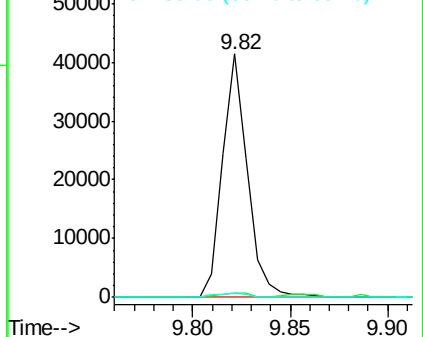
89 1.8 44.0 66.0#



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



#55

4-Nitrophenol

Concen: 3.222 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.05 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

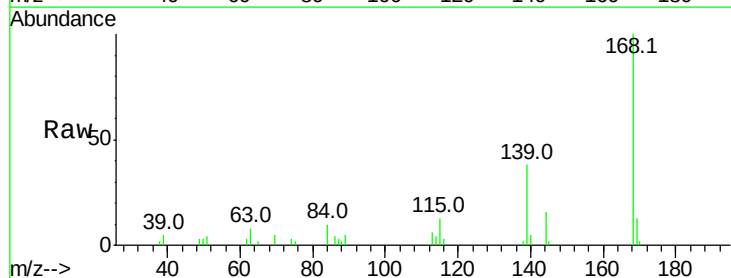
Tgt Ion:139 Resp: 8321

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

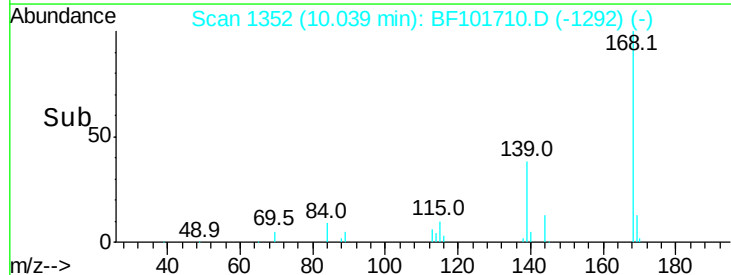
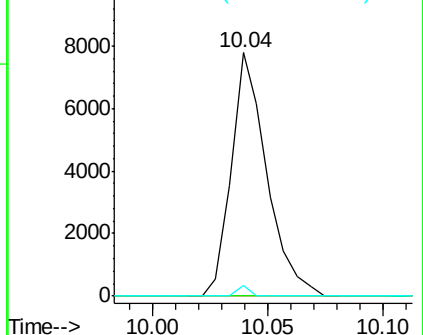
65 4.3 72.6 112.6#

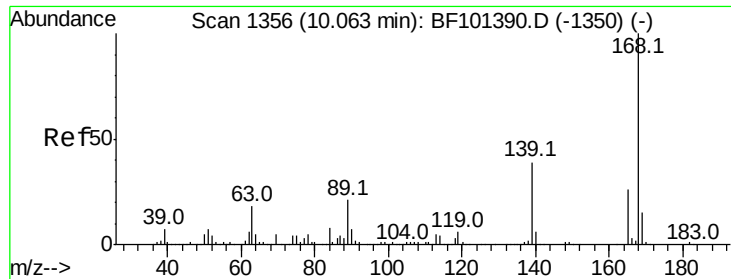


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

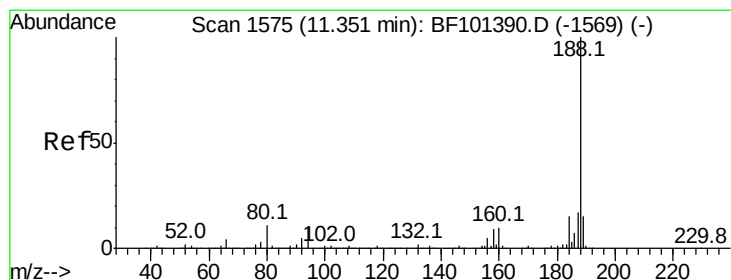
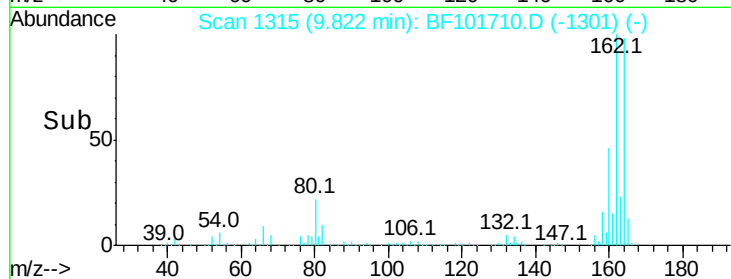
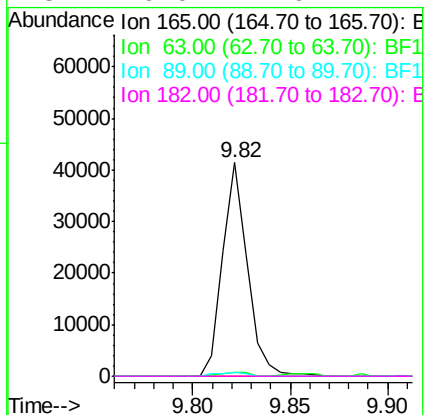
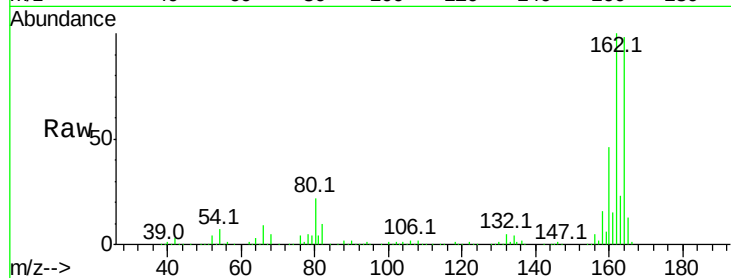




#56
 2,4-Dinitrotoluene
 Concen: 6.878 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101710.D
 Acq: 26 Dec 2017 12:51

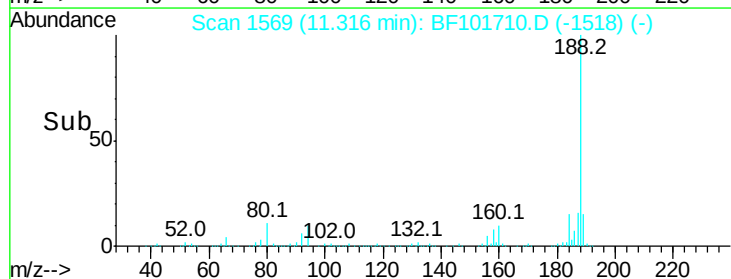
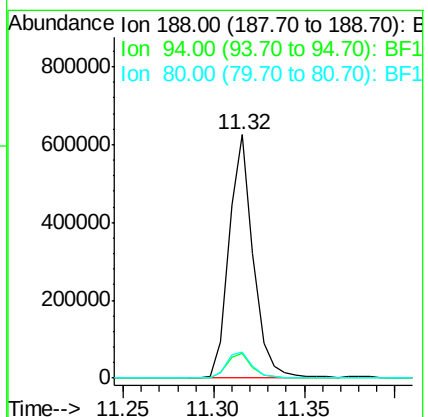
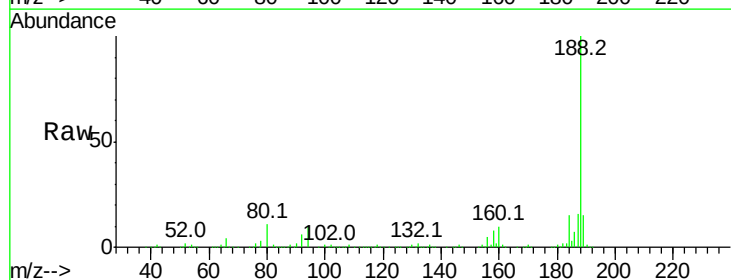
Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01DL

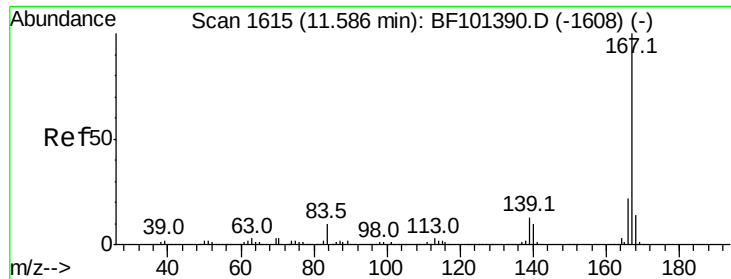
Tot Ion:165 Resp: 36813
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.8 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF101710.D
 Acq: 26 Dec 2017 12:51

Tgt Ion:188 Resp: 578983
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.8 9.2 13.8





#72

Carbazole

Concen: 3.735 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

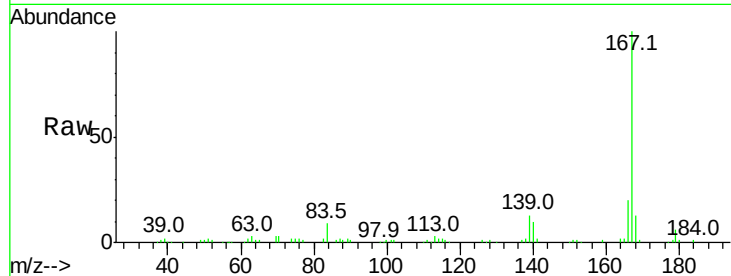
Tot Ion:167 Resp: 115003

Ion Ratio Lower Upper

167 100

166 19.5 17.6 26.4

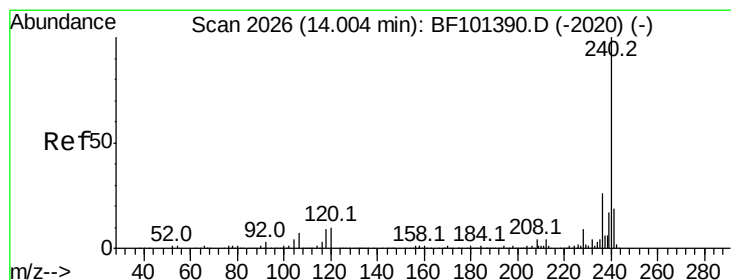
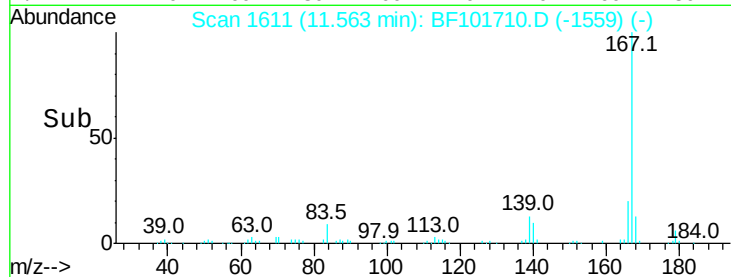
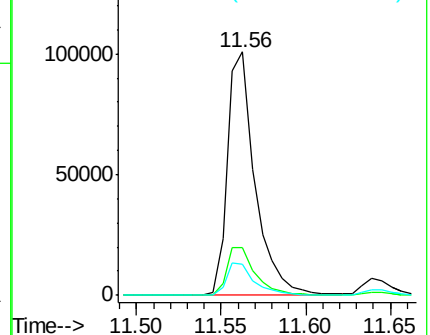
139 12.6 10.9 16.3



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

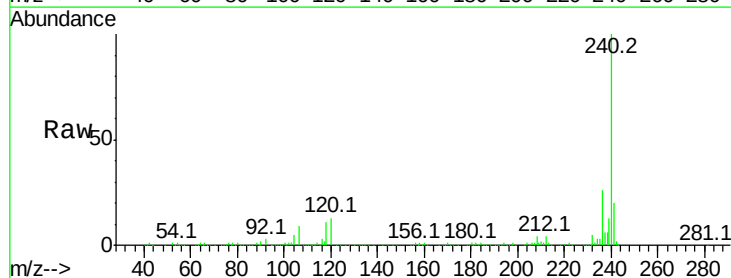
Tgt Ion:240 Resp: 530716

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

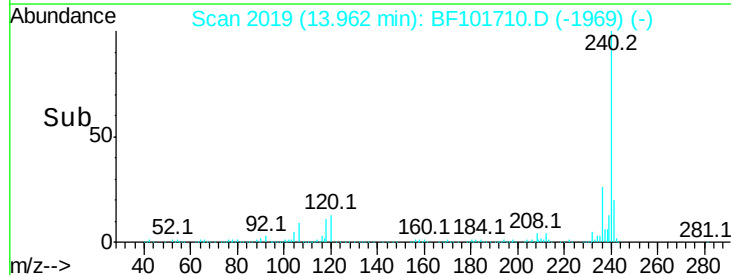
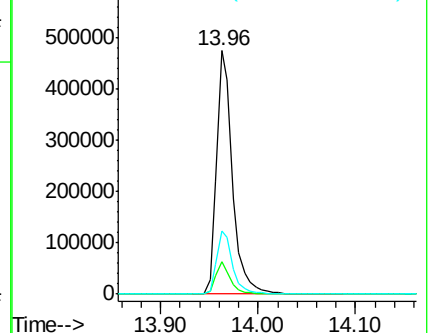
236 26.2 20.7 31.1

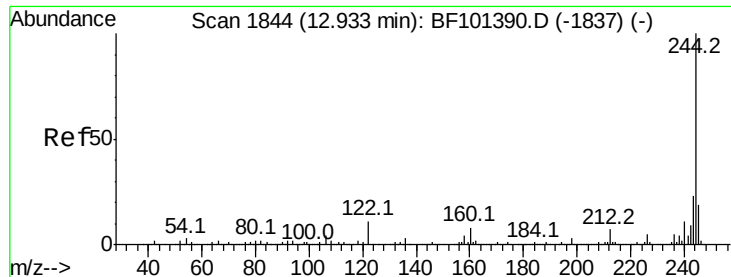


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 12.343 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

Instrument :

BNA_F

ClientSampleId :

WC-70-01DL

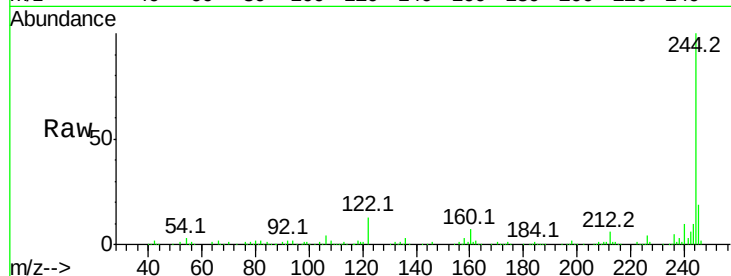
Tot Ion:244 Resp: 271728

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

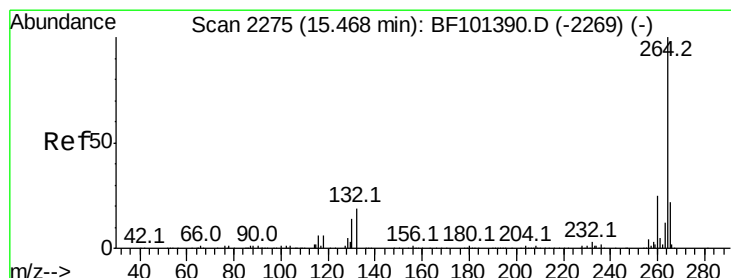
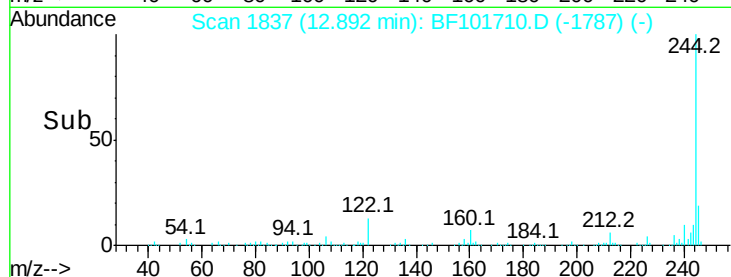
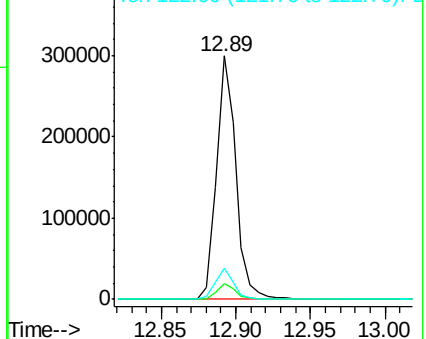
122 12.6 11.0 16.4



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# 2268

Delta R.T. -0.01 min

Lab File: BF101710.D

Acq: 26 Dec 2017 12:51

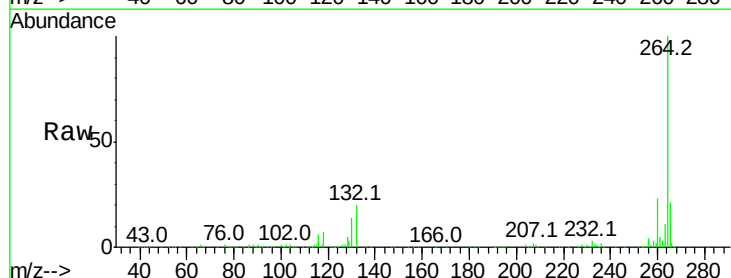
Tgt Ion:264 Resp: 467321

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.4 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

