

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104742.D
 Acq On : 24 Apr 2018 7:50
 Operator : JU/SJ
 Sample : J2497-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 08:34:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105013	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	391262	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	170042	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	244966	20.00	ng	0.01
75) Chrysene-d12	14.02	240	100996	20.00	ng	0.04
86) Perylene-d12	15.50	264	110280	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	525310	76.49	ng	0.00
7) Phenol-d6	6.45	99	649701	76.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	372245	62.12	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	126132	71.51	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	685938	63.73	ng	0.00
78) Terphenyl-d14	12.94	244	468615	105.78	ng	0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.36	77	21304	2.604	ng	# 1
17) 2-Methylphenol	7.23	107	12675	2.012	ng	# 86
22) Acetophenone	7.20	105	23162	2.405	ng	# 60
25) Isophorone	7.37	82	369924	29.195	ng	# 64
27) 2,4-Dimethylphenol	7.77	122	63442	11.345	ng	# 92
31) Naphthalene	8.13	128	4668415	239.618	ng	# 98
32) Benzoic acid	7.89	122	125706	28.174	ng	# 15
33) 4-Chloroaniline	8.13	127	662199	79.336	ng	# 36
37) 2-Methylnaphthalene	8.80	142	373010	29.598	ng	# 97
45) 1,1'-Biphenyl	9.27	154	341918	23.936	ng	# 99
47) 2-Nitroaniline	9.42	65	14324	5.133	ng	# 22
48) Acenaphthylene	9.72	152	1178572	66.575	ng	# 99
49) Dimethylphthalate	9.56	163	66578	4.965	ng	# 98
51) Acenaphthene	9.89	154	451807	41.830	ng	# 97
53) 2,4-Dinitrophenol	10.00	184	447	5.785	ng	# 1
54) Dibenzofuran	10.06	168	570948	37.931	ng	# 98
55) 4-Nitrophenol	10.06	139	223480	97.941	ng	# 11
56) 2,4-Dinitrotoluene	10.02	165	8535	2.622	ng	# 56
57) Fluorene	10.40	166	1124181	102.606	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.46	198	747	7.877	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	22890	2.695	ng	# 54
70) Phenanthrene	11.39	178	3697431	271.033	ng	# 99
71) Anthracene	11.43	178	1518411	109.496	ng	# 99
72) Carbazole	11.59	167	613989	45.310	ng	# 99
74) Fluoranthene	12.60	202	3369255	236.385	ng	# 99
76) Benzidine	12.69	184	4357	Below Cal		# 1
77) Pyrene	12.83	202	3281682	438.366	ng	# 98
80) Benzo(a)anthracene	14.02	228	1542013	255.571	ng	# 83
82) Chrysene	14.06	228	1318355	212.726	ng	# 93
83) Bis(2-ethylhexyl)phthalate	13.96	149	13095	2.887	ng	# 55
85) Indeno(1,2,3-cd)pyrene	17.01	276	1028390	195.339	ng	# 90
87) Benzo(b)fluoranthene	15.09	252	2051036	294.473	ng	# 95
88) Benzo(k)fluoranthene	15.09	252	2051036	311.913	ng	# 98
89) Benzo(a)pyrene	15.46	252	1185554	190.236	ng	# 95

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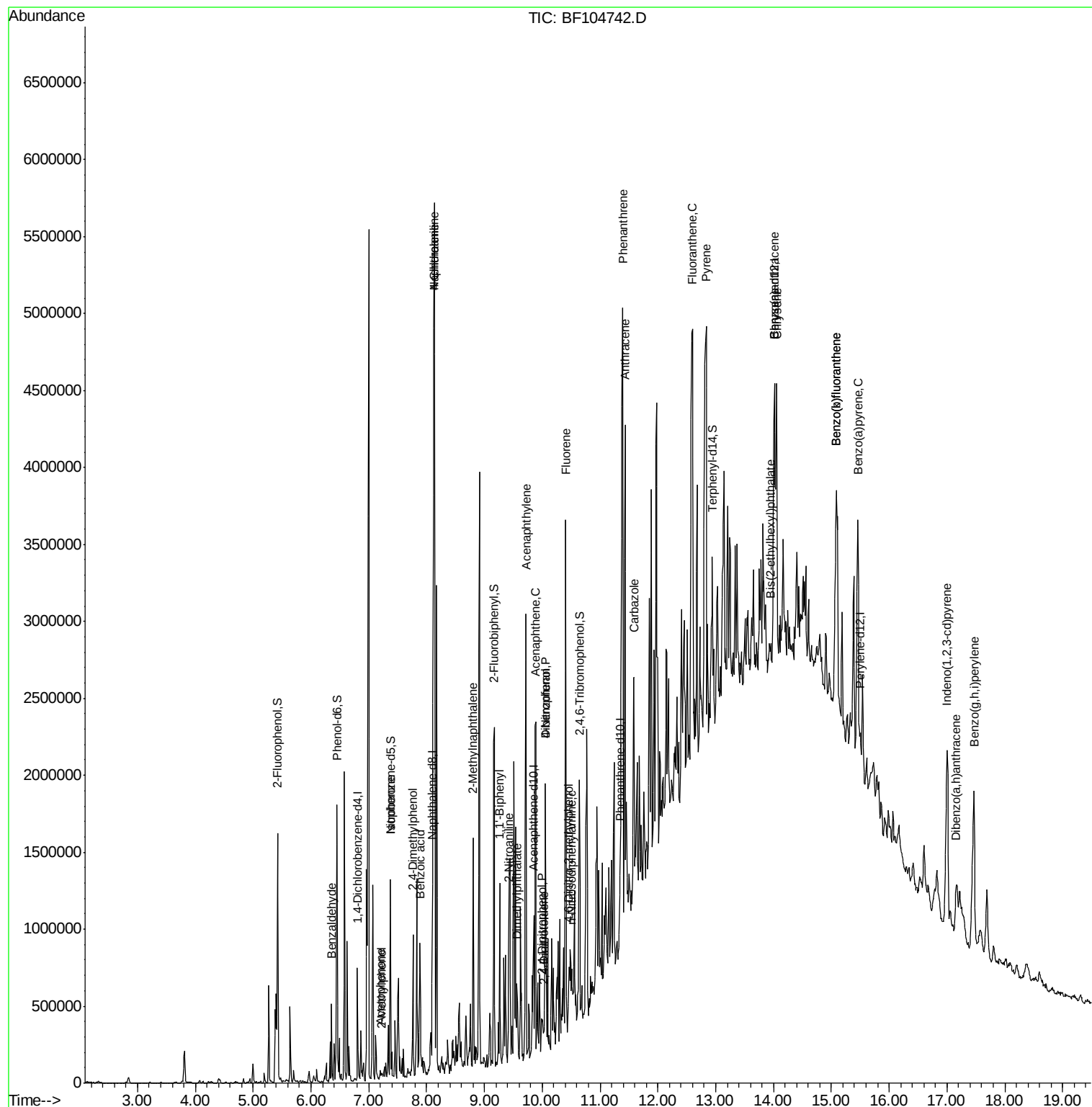
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	17.16	278	211613	41.344	ng	93
91) Benzo(g,h,i)perylene	17.47	276	1127311	227.333	ng	95

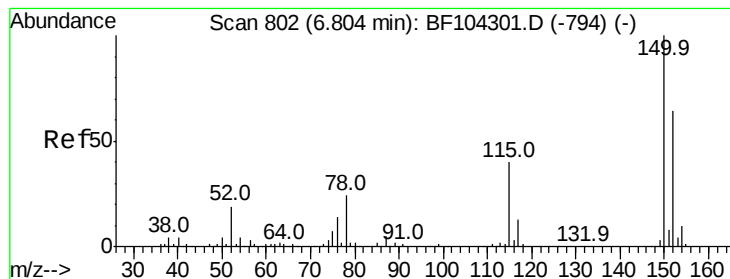
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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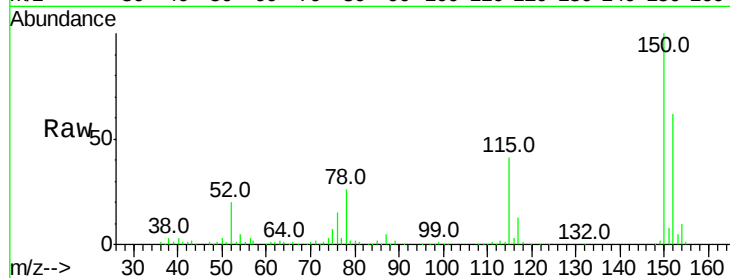


#1

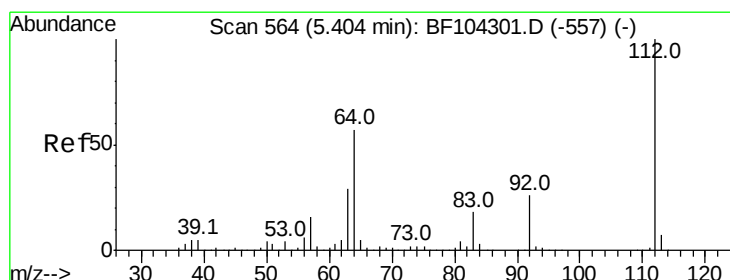
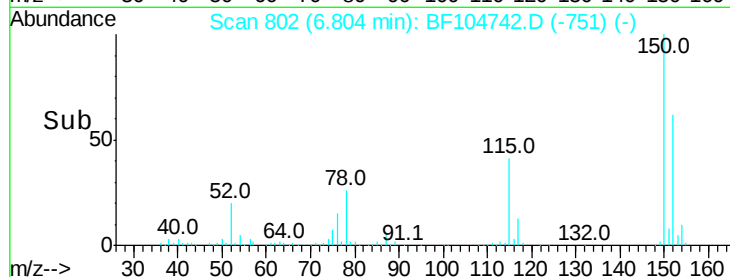
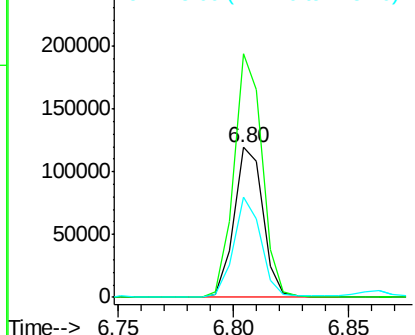
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105013
Ion Ratio Lower Upper
152 100
150 162.2 124.6 186.8
115 67.0 50.1 75.1



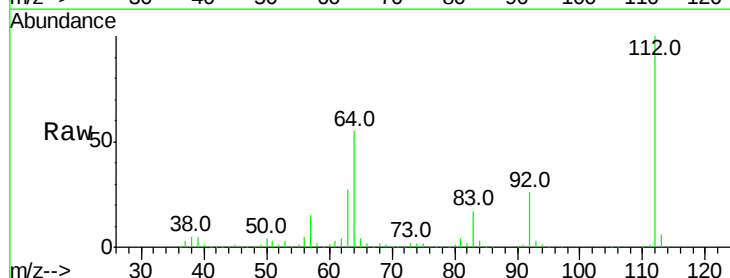
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



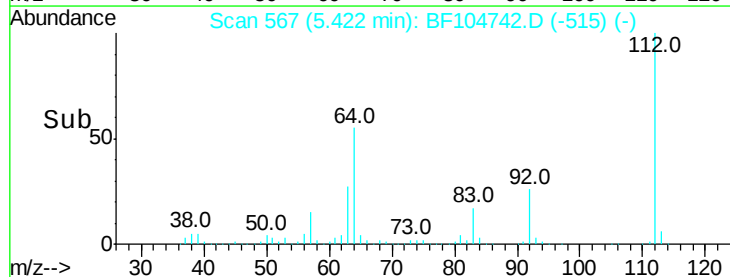
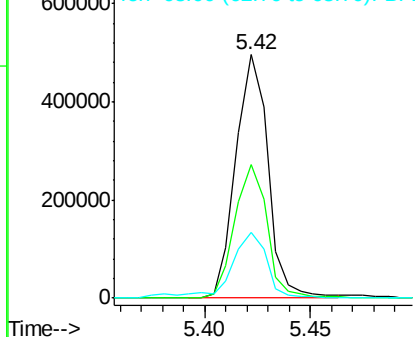
#5

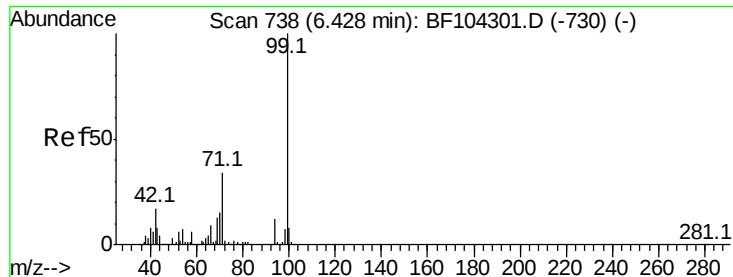
2-Fluorophenol
Concen: 76.488 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:112 Resp: 525310
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 27.2 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: 76.994 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampled :

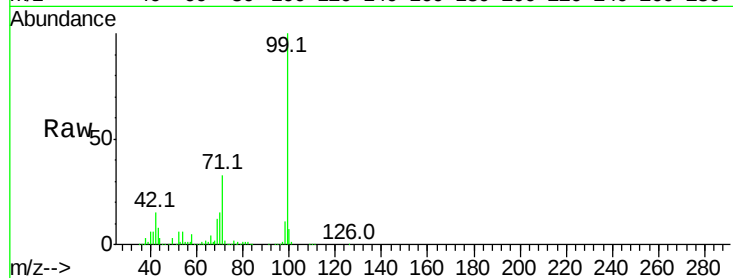
Tot Ion: 99 Resp: 649701

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

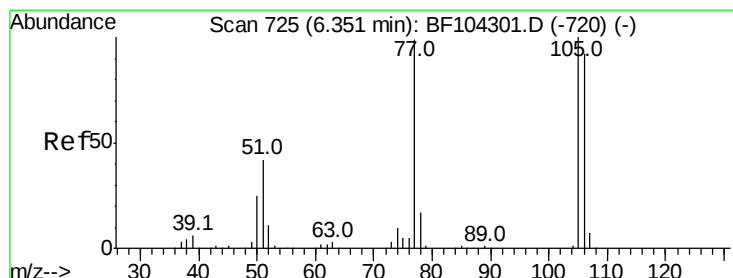
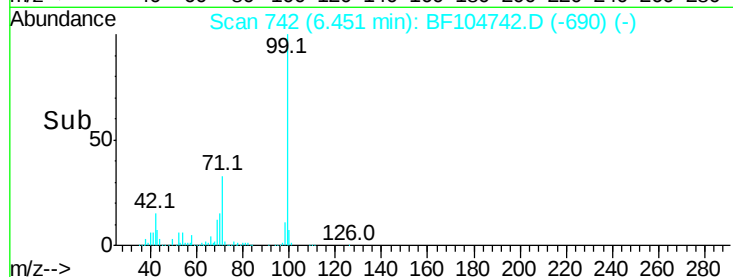
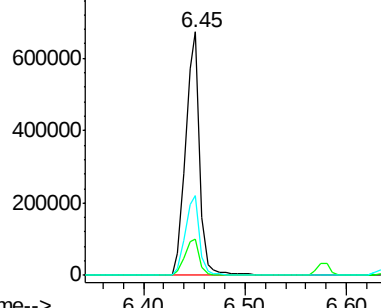
71 32.6 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.604 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

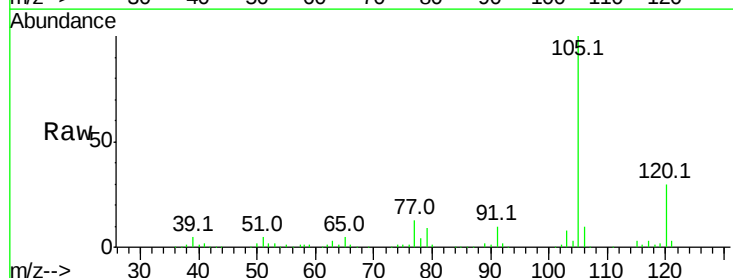
Tgt Ion: 77 Resp: 21304

Ion Ratio Lower Upper

77 100

105 776.8 81.1 121.1#

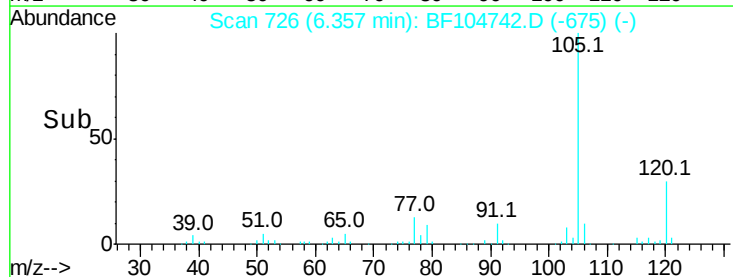
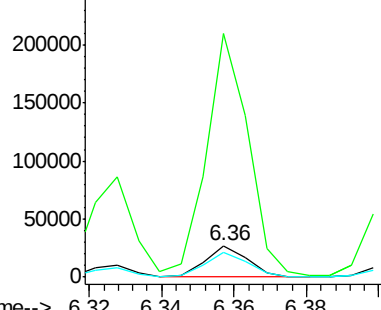
106 80.7 74.5 114.5

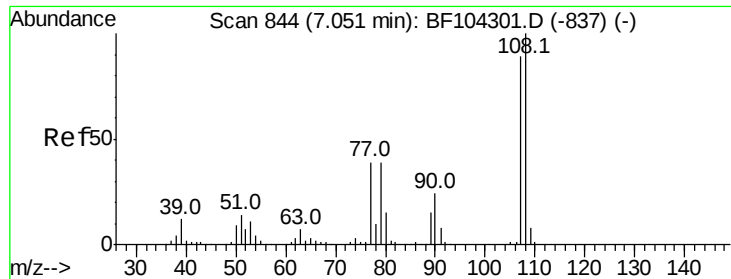


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#17

2-Methylphenol

Concen: 2.012 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.16 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 12675

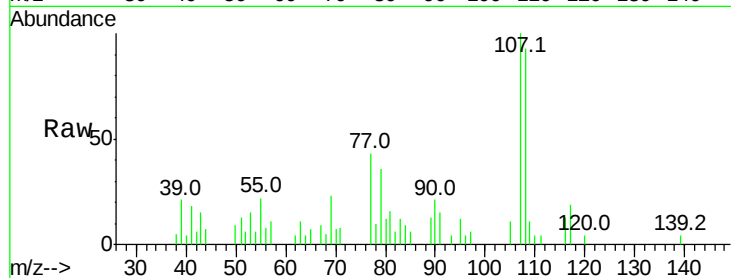
Ion Ratio Lower Upper

107 100

108 93.0 91.7 137.5

77 42.8 33.8 50.8

79 36.3 33.8 50.8

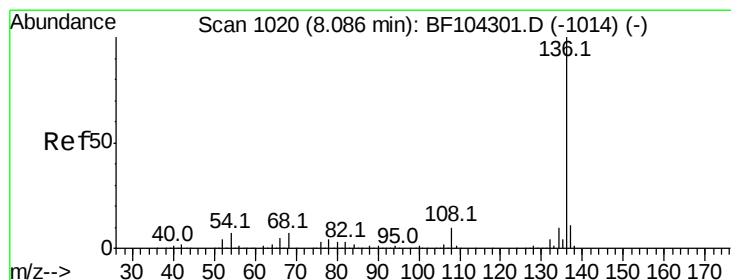
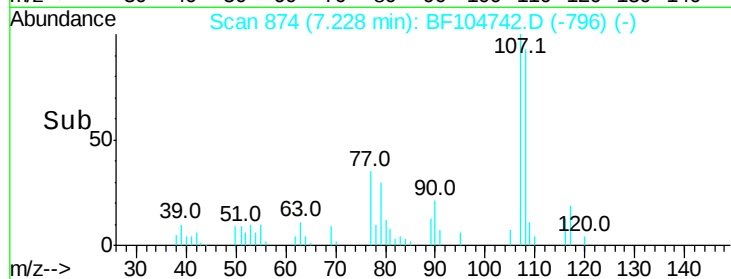
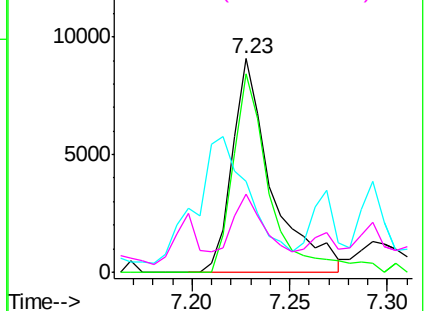


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Tgt Ion:136 Resp: 391262

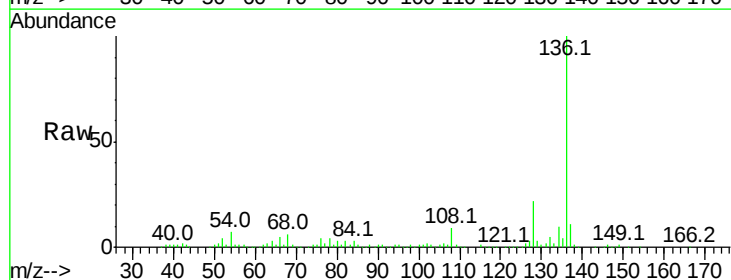
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.8 6.6 9.8

68 6.2 5.0 7.4

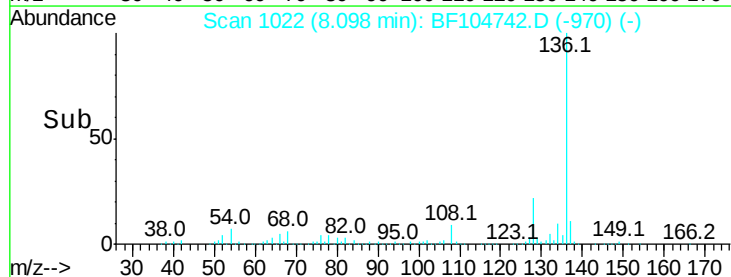
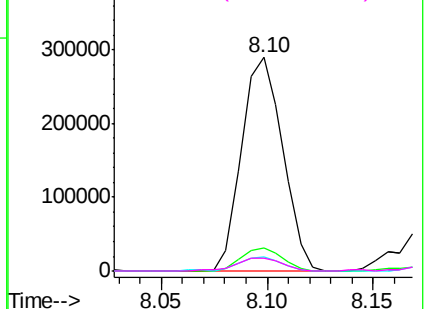


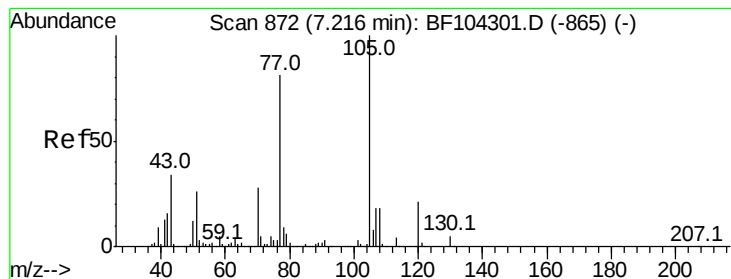
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 2.405 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.02 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 23162

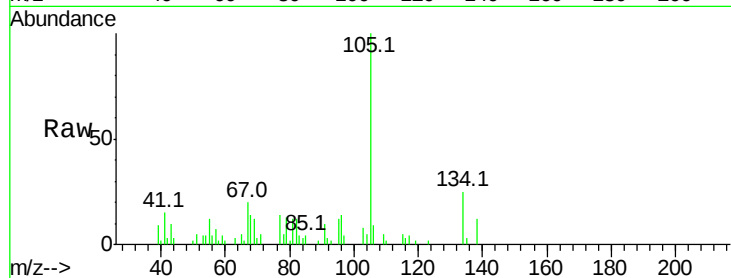
Ion Ratio Lower Upper

105 100

71 4.8 4.4 6.6

51 5.3 22.3 33.5#

120 0.0 16.9 25.3#

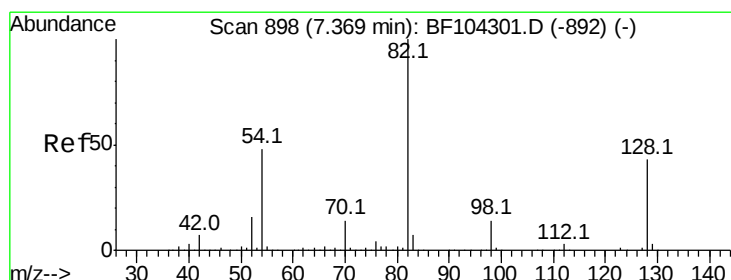
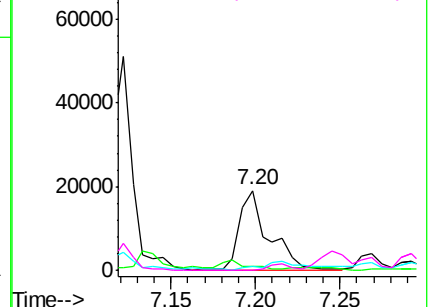
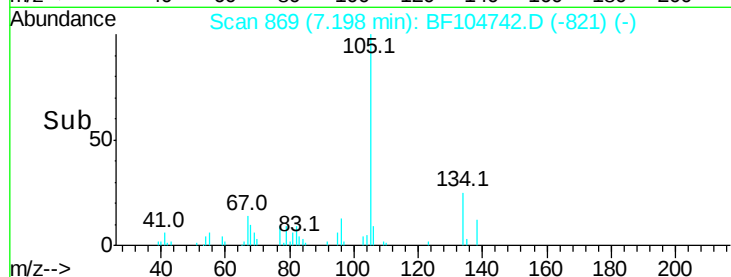


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 62.124 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

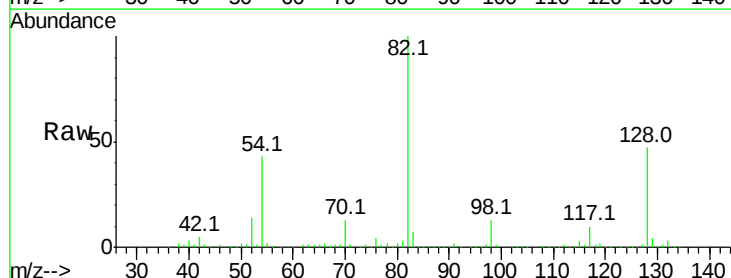
Tgt Ion: 82 Resp: 372245

Ion Ratio Lower Upper

82 100

128 47.4 36.1 54.1

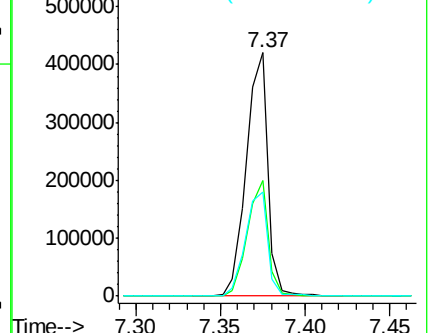
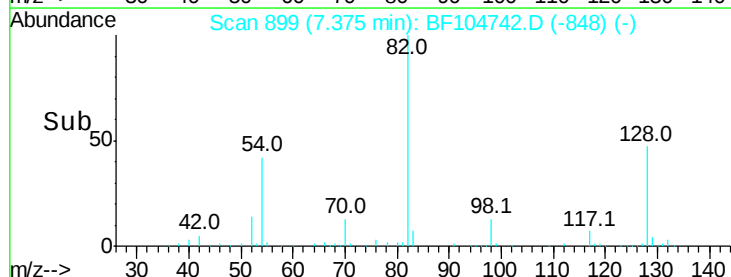
54 42.5 41.4 62.2

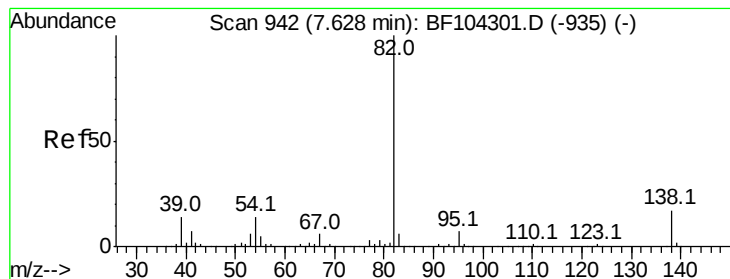


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.195 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104742.D

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Instrument :

BNA_F

ClientSampleId :

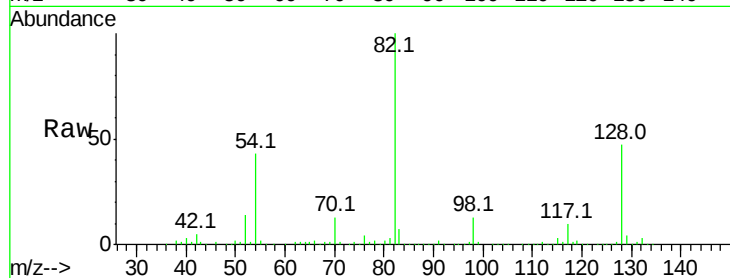
Tot Ion: 82 Resp: 369924

Ion Ratio Lower Upper

82 100

95 0.3 5.2 7.8#

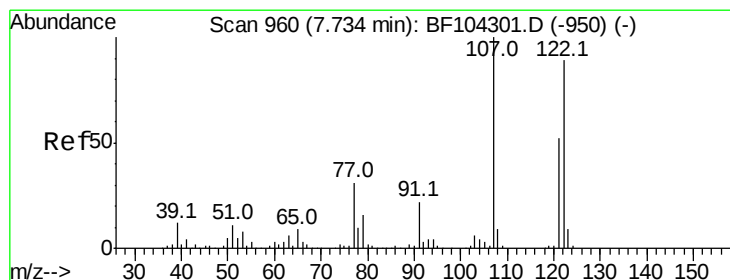
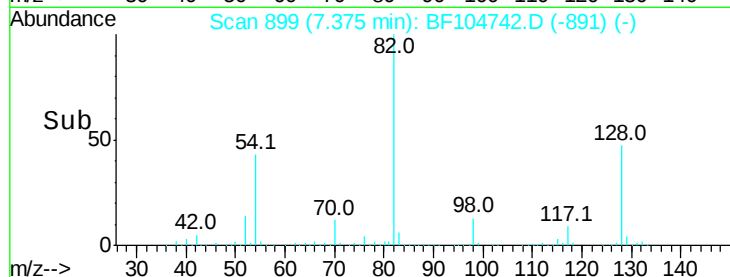
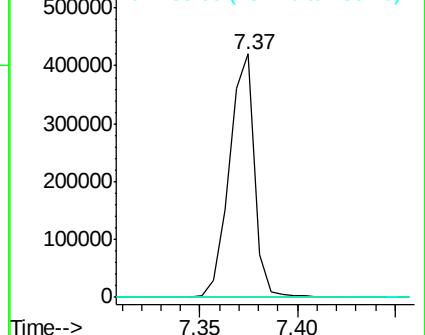
138 0.0 14.9 22.3#



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: 11.345 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.02 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

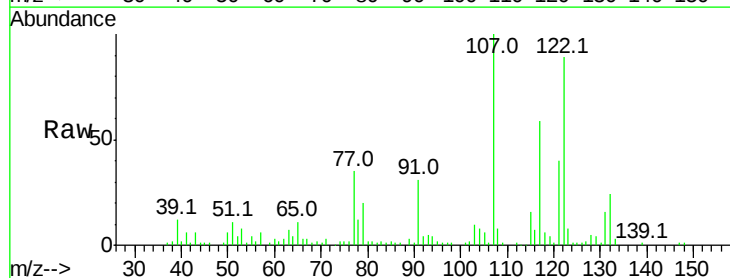
Tgt Ion:122 Resp: 63442

Ion Ratio Lower Upper

122 100

107 111.9 91.2 136.8

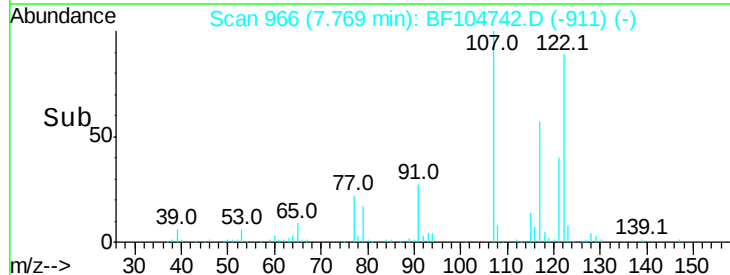
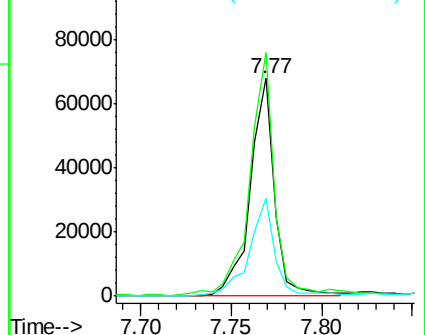
121 45.1 47.2 70.8#

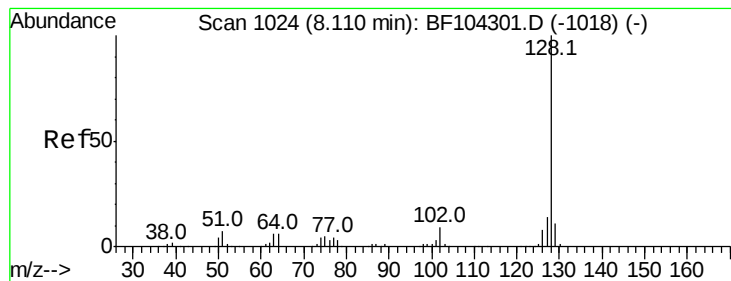


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 239.618 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.02 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

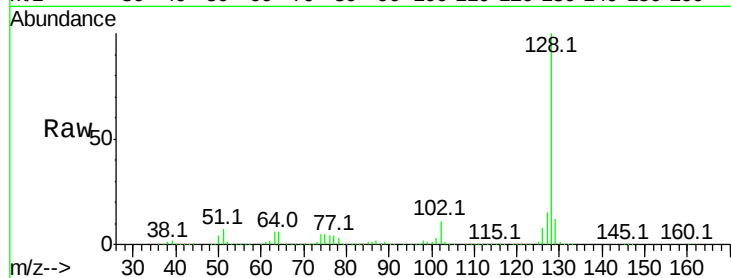
Tot Ion:128 Resp: 4668415

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

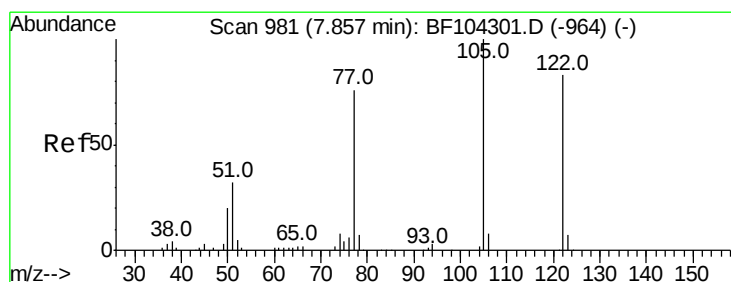
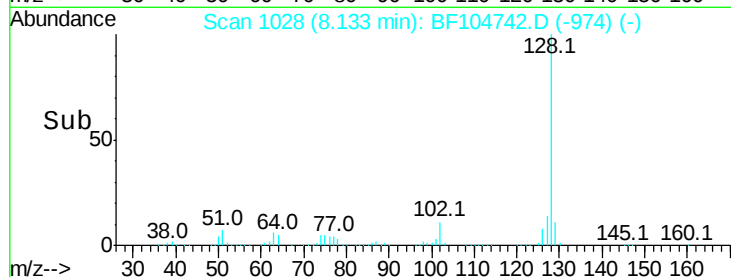
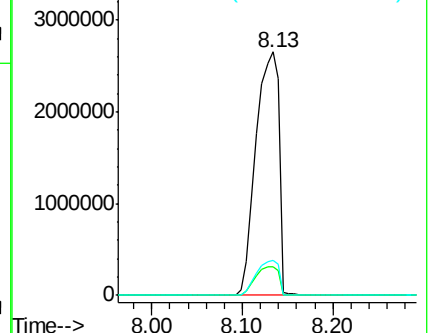
127 14.5 10.9 16.3



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: 28.174 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

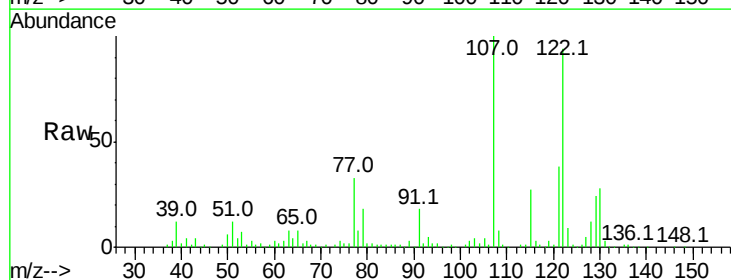
Tgt Ion:122 Resp: 125706

Ion Ratio Lower Upper

122 100

105 4.1 101.1 141.1#

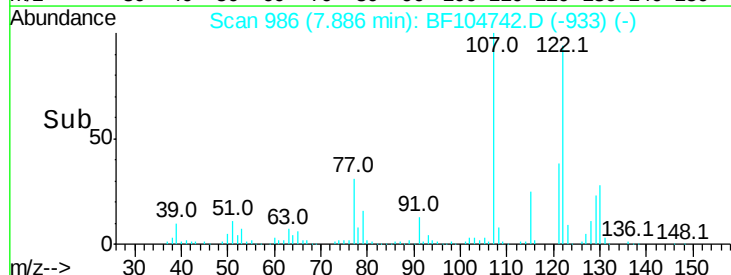
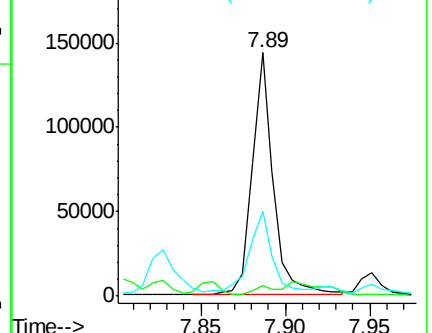
77 35.0 70.7 110.7#

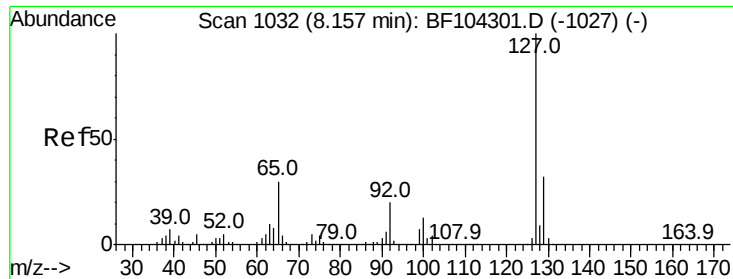


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

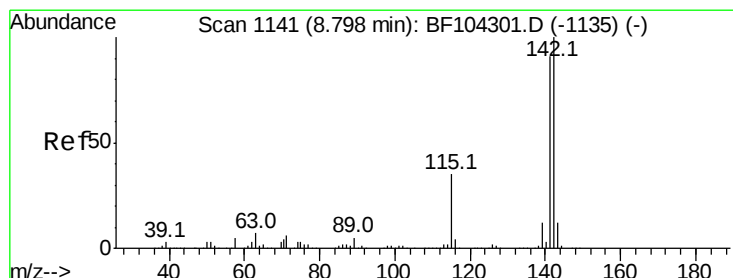
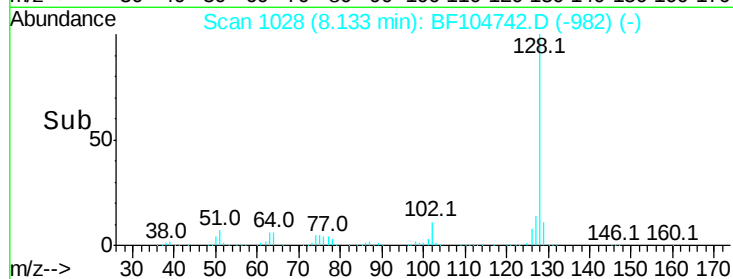
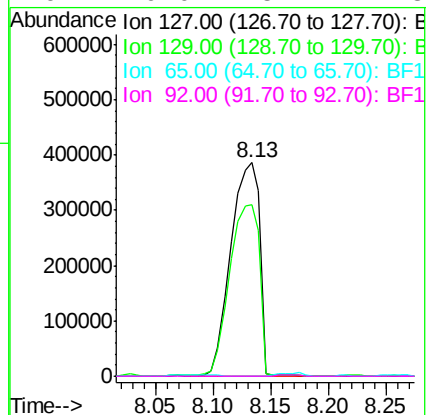
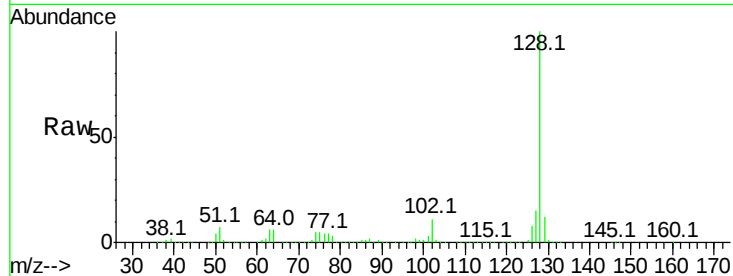




#33
4-Chloroaniline
Concen: 79.336 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

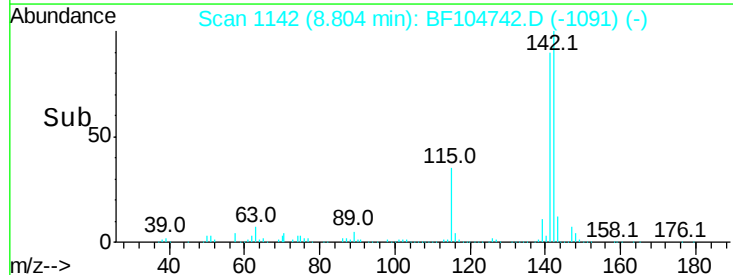
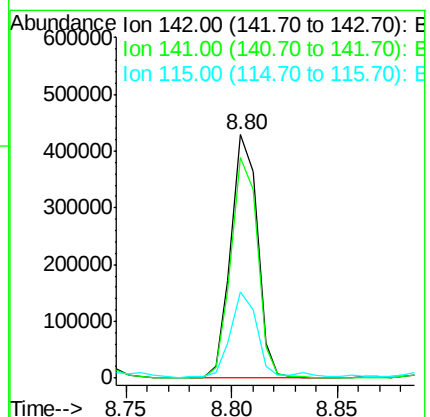
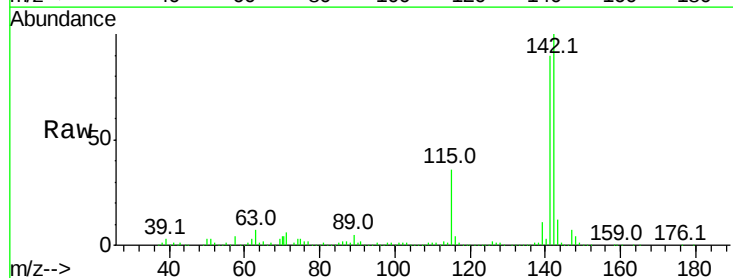
Instrument :
BNA_F
ClientSampleId :

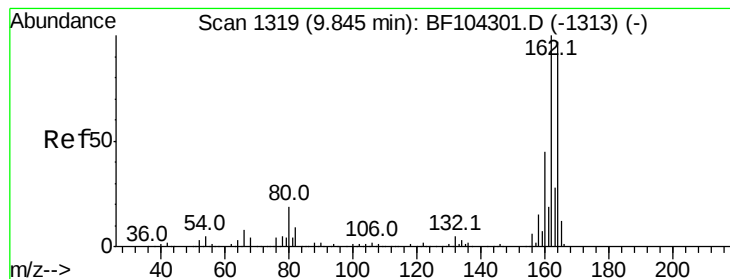
Tot Ion:	127	Resp:	662199
Ion	Ratio	Lower	Upper
127	100		
129	80.1	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 29.598 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:	142	Resp:	373010
Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.8	106.2
115	35.6	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

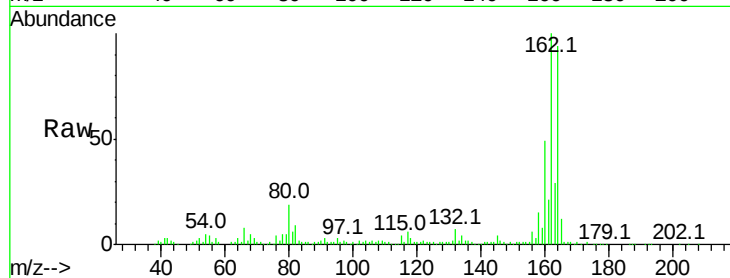
Tot Ion:164 Resp: 170042

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

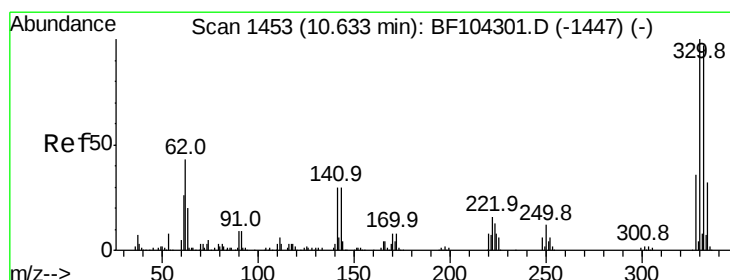
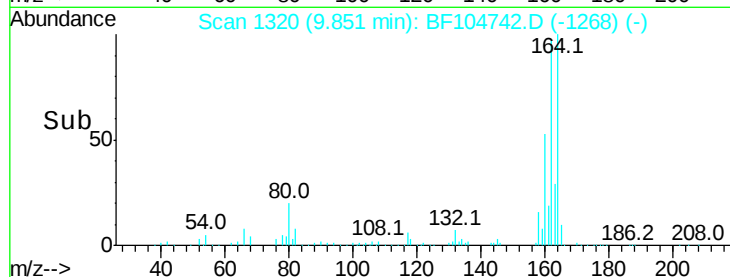
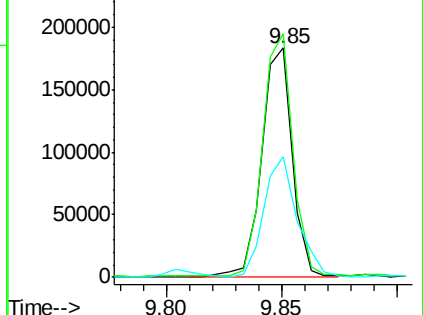
160 52.6 38.3 57.5



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: 71.508 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

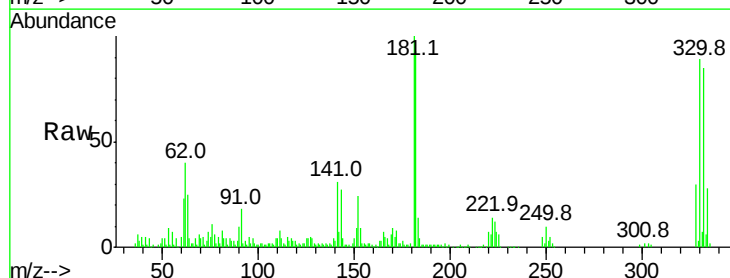
Tgt Ion:330 Resp: 126132

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

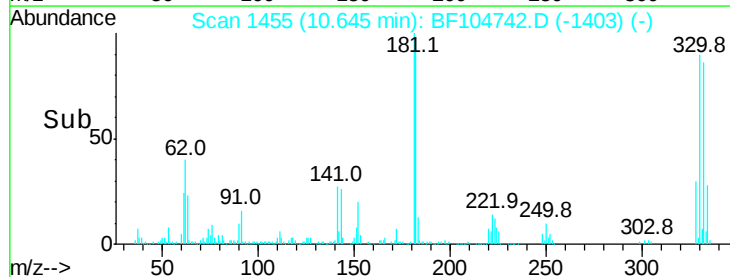
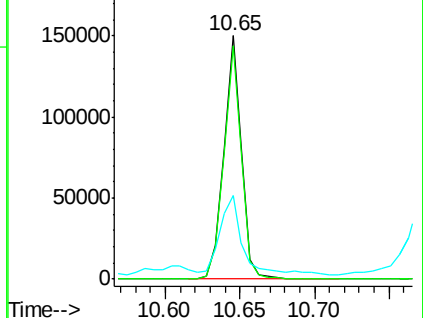
141 41.2 29.9 44.9

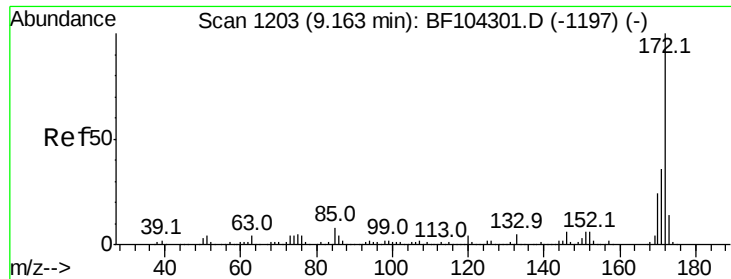


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

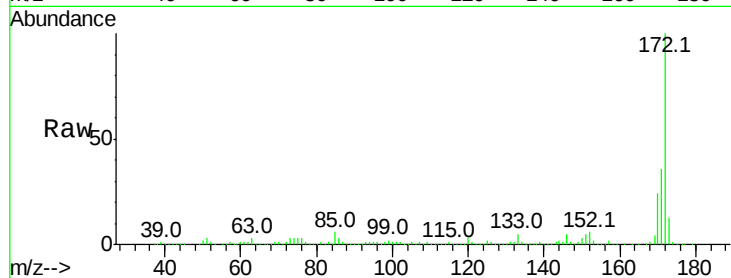




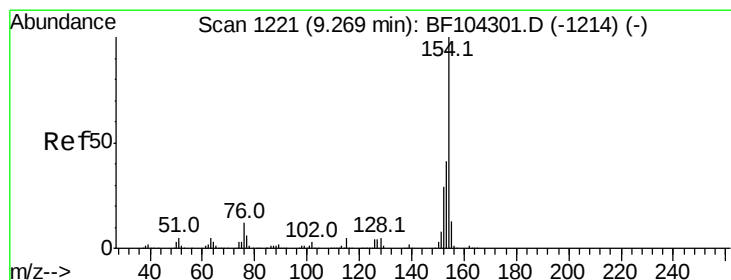
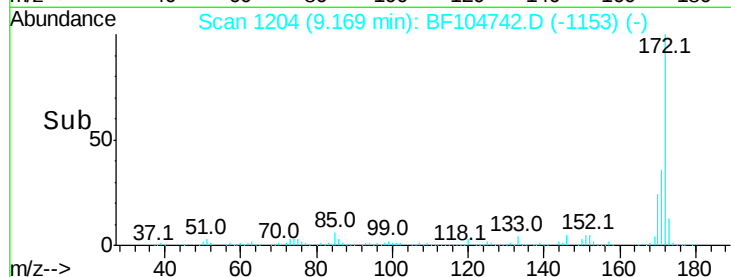
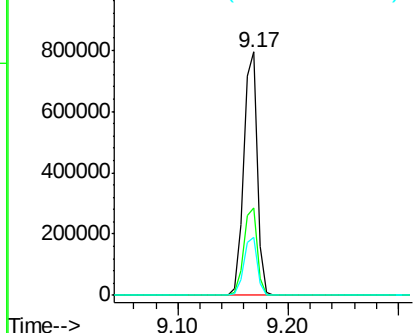
#44
2-Fluorobiphenyl
Concen: 63.726 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 685938
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.7 19.6 29.4

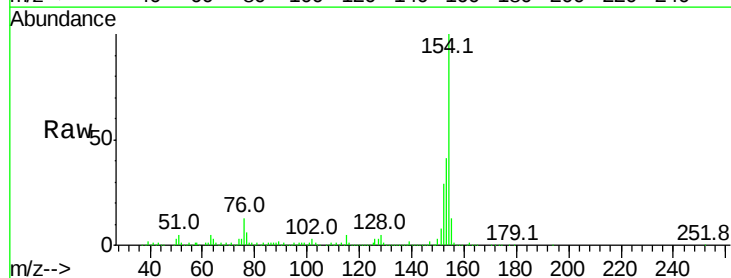


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

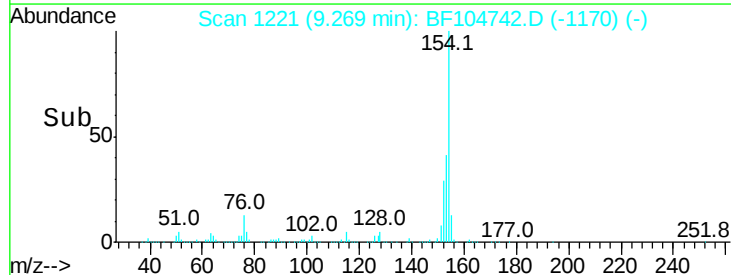
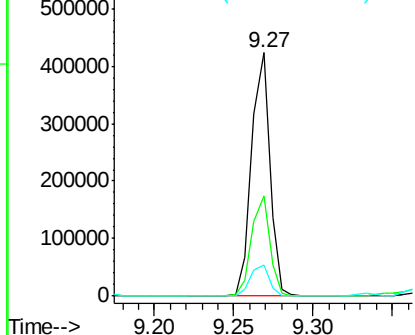


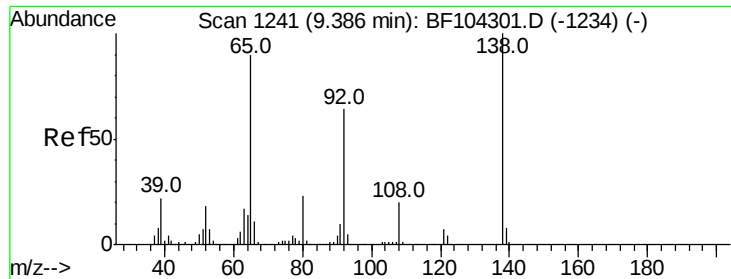
#45
1,1'-Biphenyl
Concen: 23.936 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:154 Resp: 341918
Ion Ratio Lower Upper
154 100
153 40.9 21.3 61.3
76 12.7 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Nitroaniline

Concen: 5.133 ng

RT: 9.42 min Scan# 1246

Delta R.T. 0.02 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

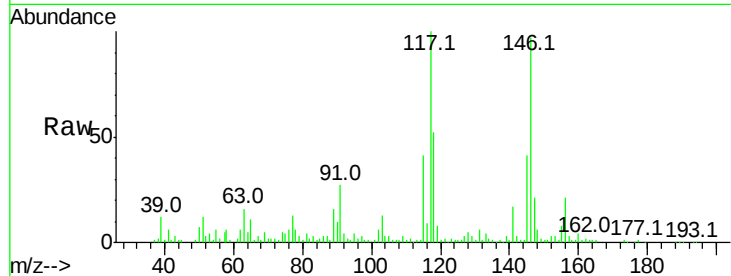
Tot Ion: 65 Resp: 14324

Ion Ratio Lower Upper

65 100

92 38.9 55.8 83.6#

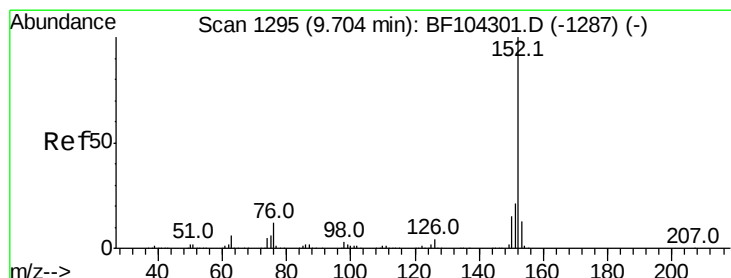
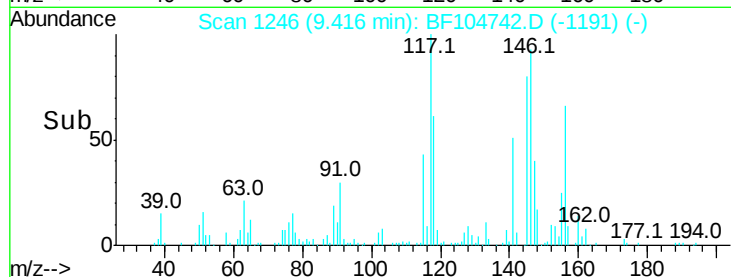
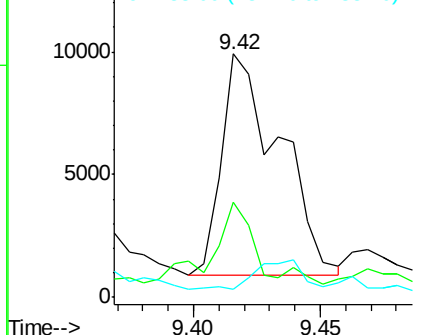
138 3.2 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 66.575 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

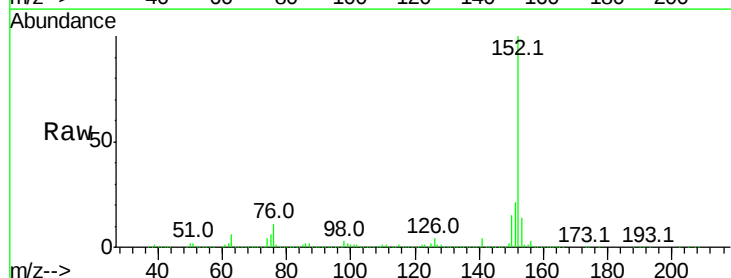
Tgt Ion: 152 Resp: 1178572

Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

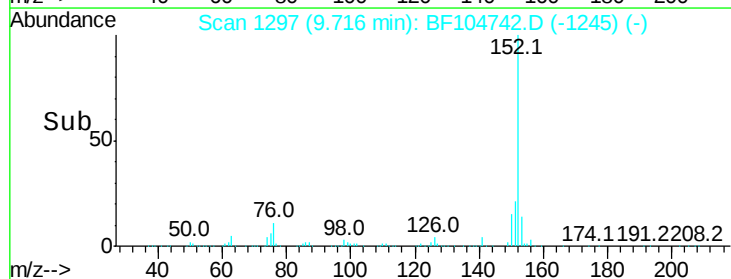
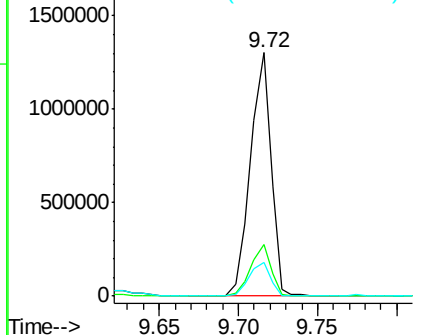
153 13.7 10.7 16.1

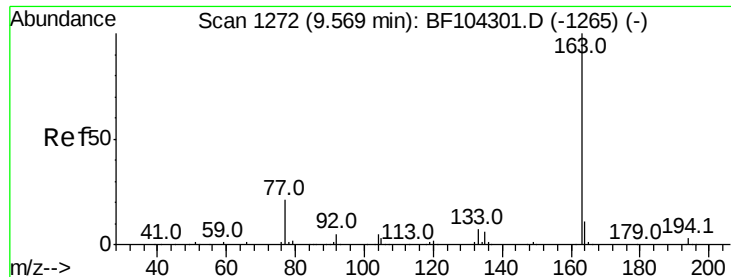


Abundance Ion 152.00 (151.70 to 152.70): BF1

Ion 151.00 (150.70 to 151.70): BF1

Ion 153.00 (152.70 to 153.70): BF1

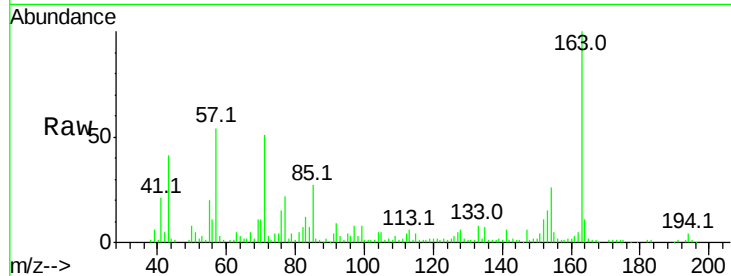




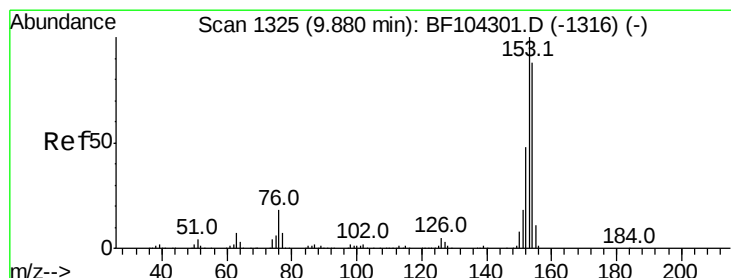
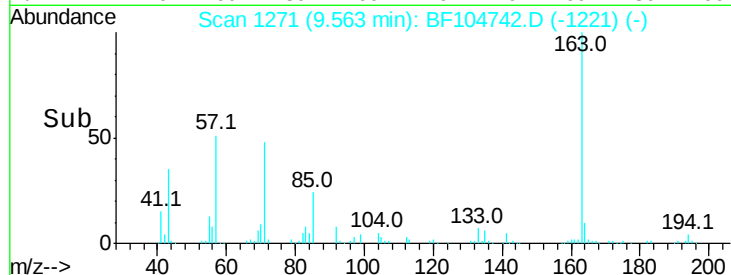
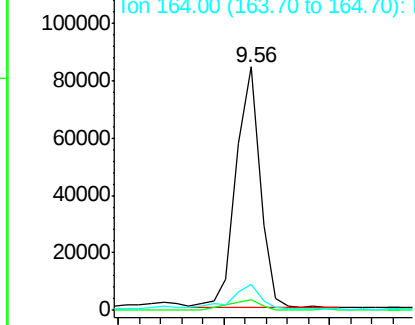
#49
 Dimethylphthalate
 Concen: 4.965 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF104742.D
 Acq: 24 Apr 2018 7:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 66578
 Ion Ratio Lower Upper
 163 100
 194 4.4 2.7 4.1#
 164 10.9 8.2 12.2

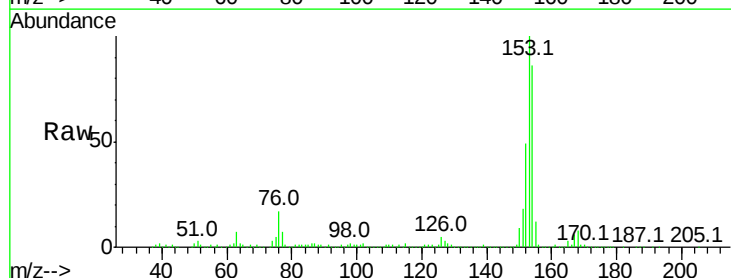


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

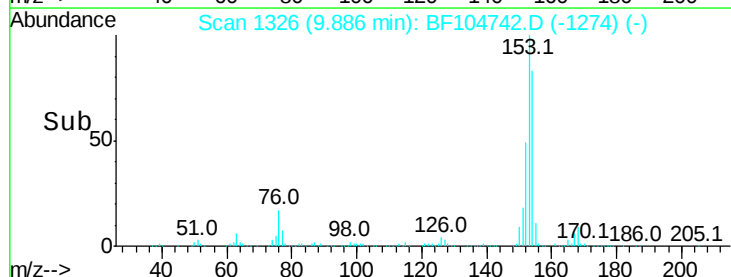
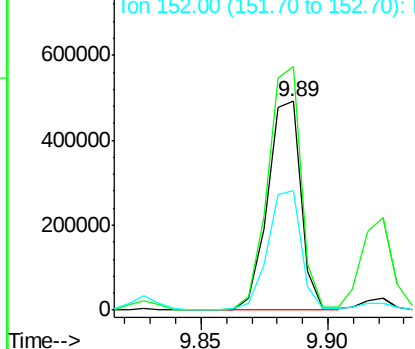


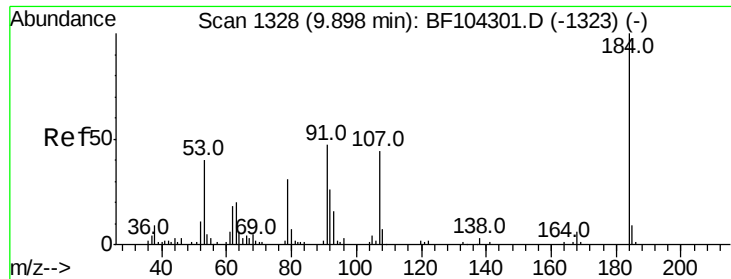
#51
 Acenaphthene
 Concen: 41.830 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF104742.D
 Acq: 24 Apr 2018 7:50

Tgt Ion:154 Resp: 451807
 Ion Ratio Lower Upper
 154 100
 153 116.5 91.2 136.8
 152 57.3 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

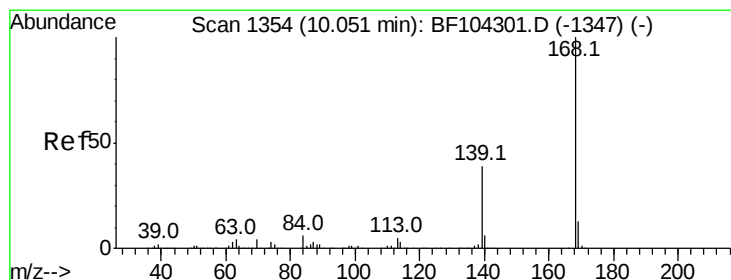
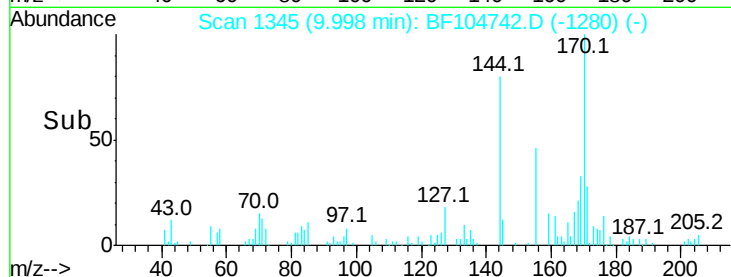
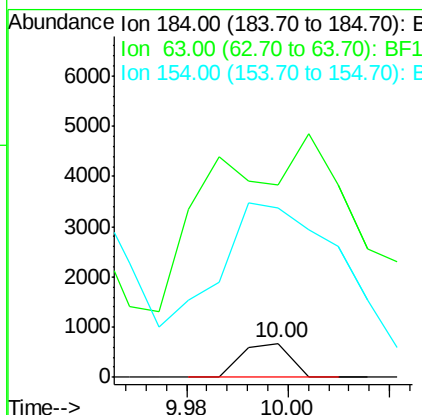
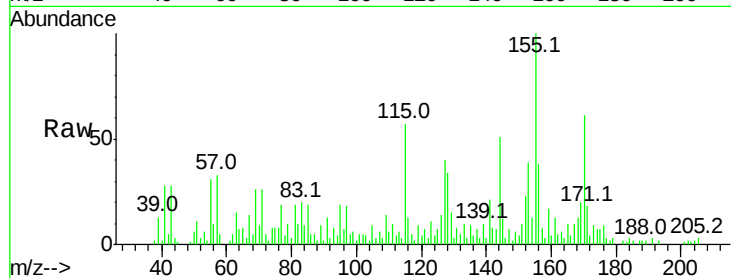




#53
2,4-Dinitrophenol
Concen: 5.785 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.08 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

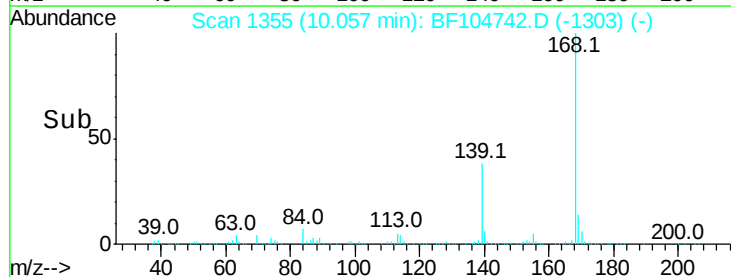
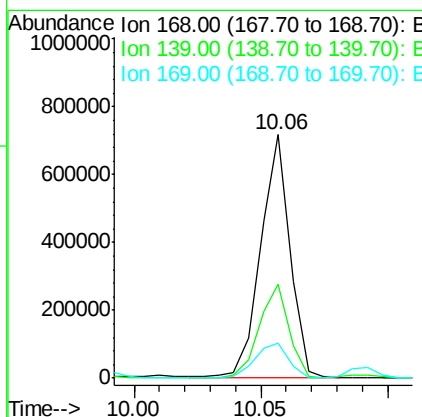
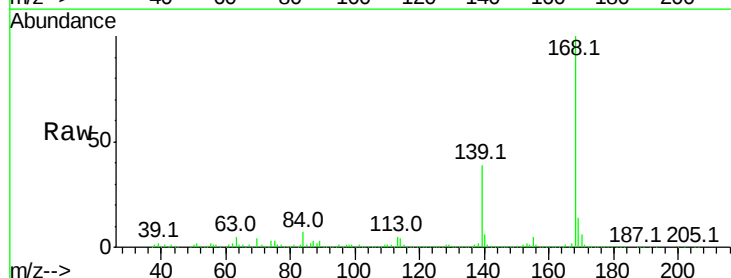
Instrument :
BNA_F
ClientSampled :

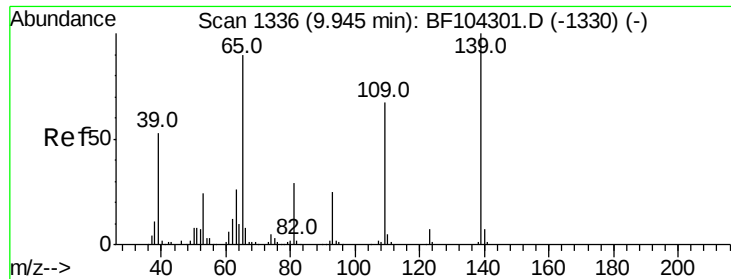
Tot Ion:184 Resp: 447
Ion Ratio Lower Upper
184 100
63 562.7 54.2 81.2#
154 496.0 184.0 276.0#



#54
Dibenzofuran
Concen: 37.931 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:168 Resp: 570948
Ion Ratio Lower Upper
168 100
139 38.5 30.1 45.1
169 14.4 10.9 16.3





#55

4-Nitrophenol

Concen: 97.941 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.08 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampled :

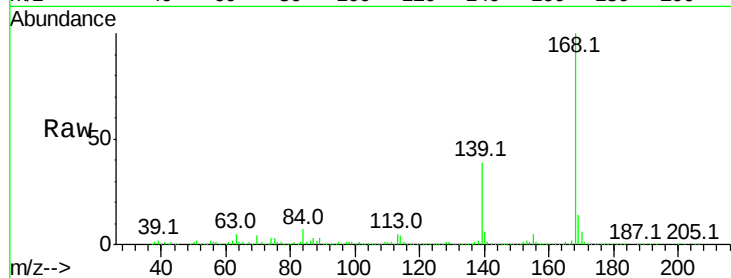
Tot Ion:139 Resp: 223480

Ion Ratio Lower Upper

139 100

109 1.8 48.4 88.4#

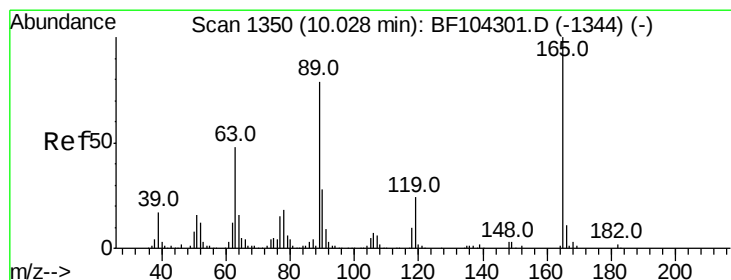
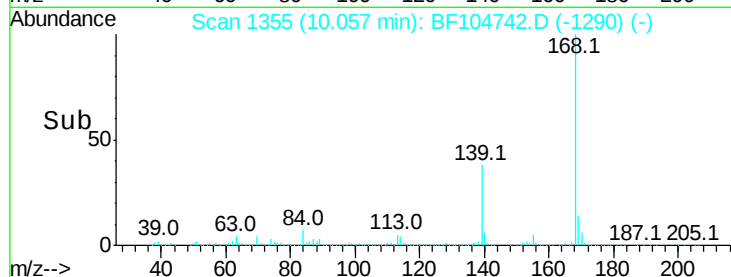
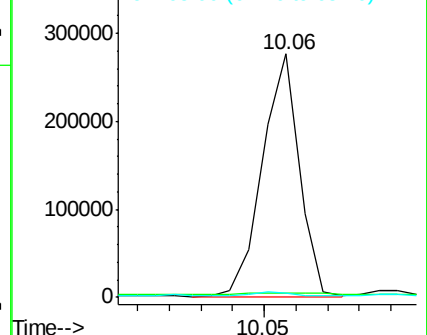
65 1.9 72.6 112.6#



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: 2.622 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.02 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Tgt Ion:165 Resp: 8535

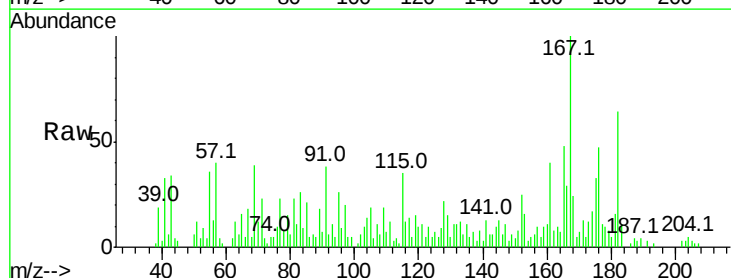
Ion Ratio Lower Upper

165 100

63 25.2 36.4 54.6#

89 37.0 57.8 86.6#

182 135.2 1.6 2.4#

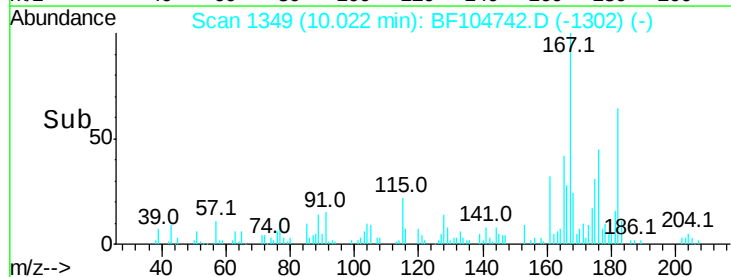
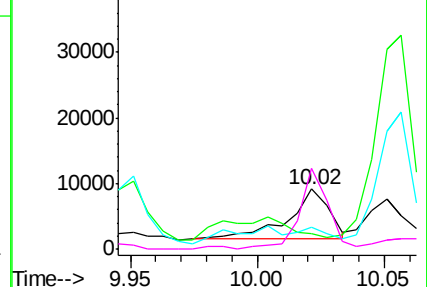


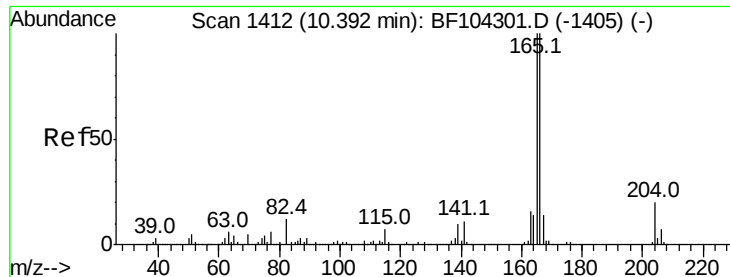
Abundance Ion 165.00 (164.70 to 165.70): E

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

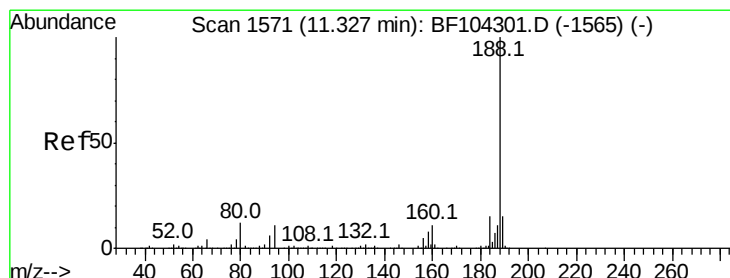
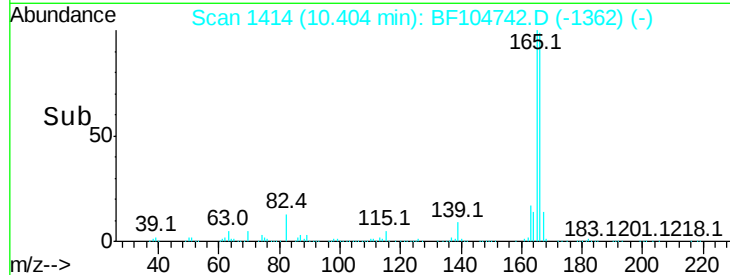
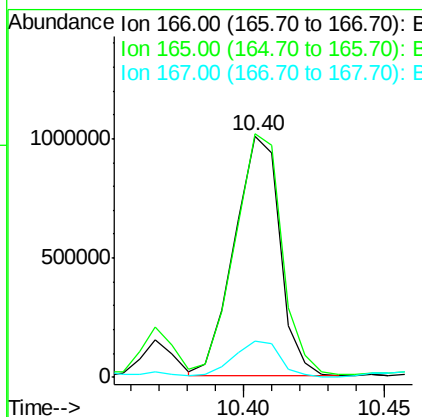
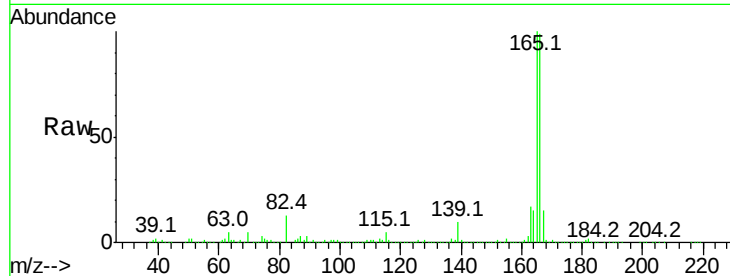




#57
 Fluorene
 Concen: 102.606 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: BF104742.D
 Acq: 24 Apr 2018 7:50

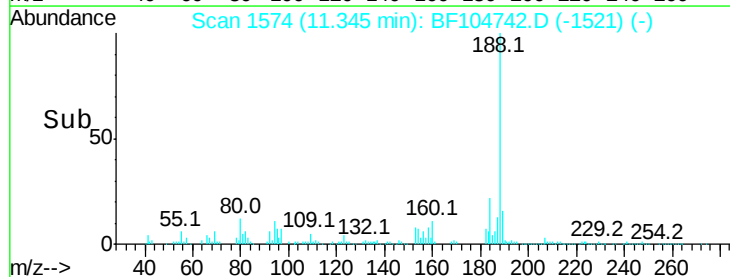
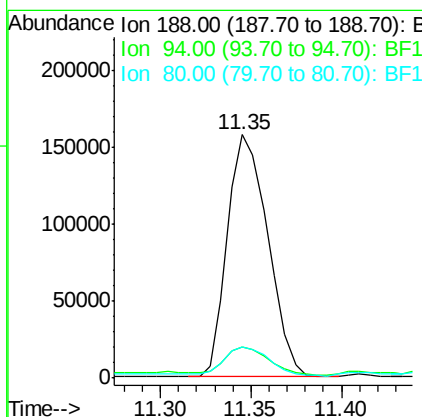
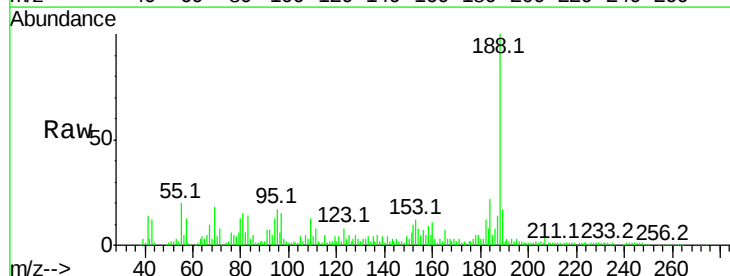
Instrument :
 BNA_F
 ClientSampled :

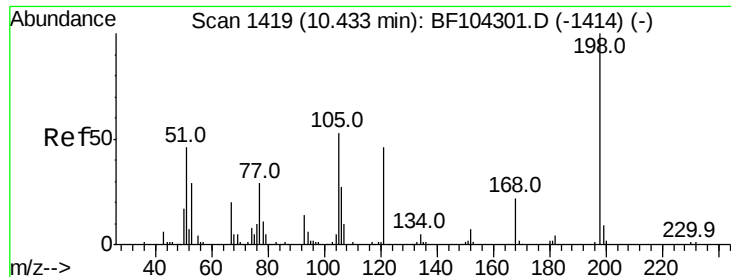
Tot Ion:166 Resp: 1124181
 Ion Ratio Lower Upper
 166 100
 165 100.8 79.8 119.8
 167 15.1 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF104742.D
 Acq: 24 Apr 2018 7:50

Tgt Ion:188 Resp: 244966
 Ion Ratio Lower Upper
 188 100
 94 12.6 8.5 12.7
 80 13.0 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.877 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

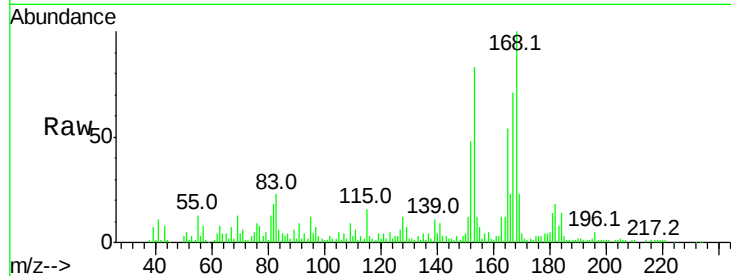
Tot Ion:198 Resp: 747

Ion Ratio Lower Upper

198 100

51 437.6 37.7 77.7#

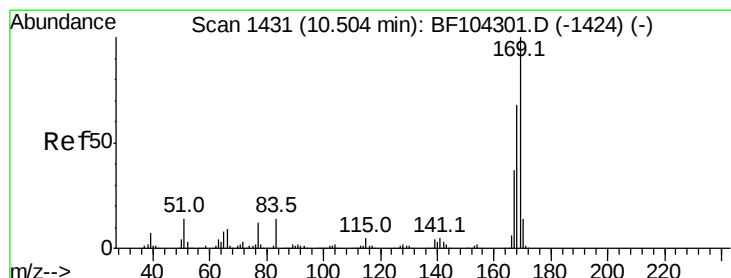
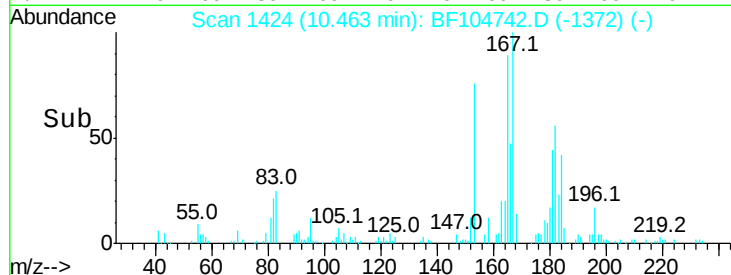
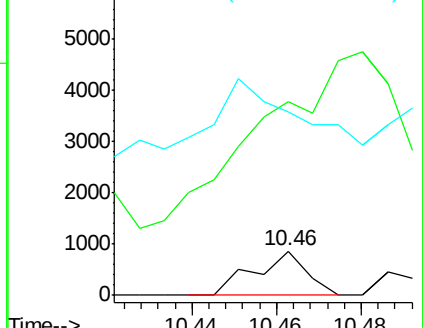
105 412.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 2.695 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

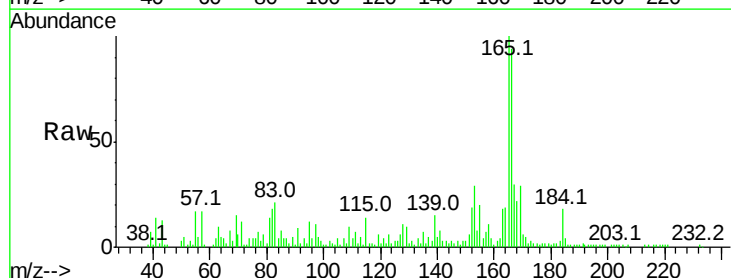
Tgt Ion:169 Resp: 22890

Ion Ratio Lower Upper

169 100

168 76.2 54.4 81.6

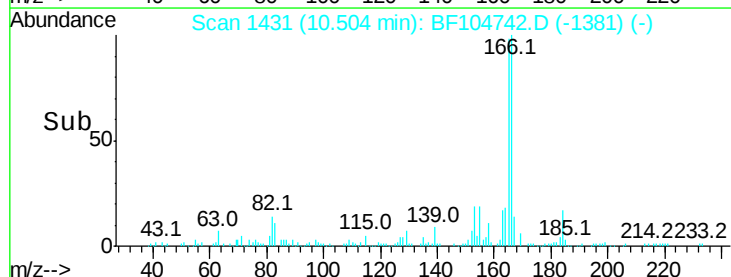
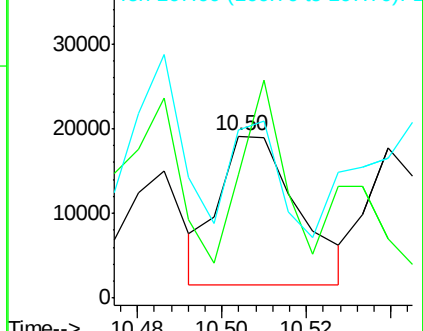
167 103.6 29.8 44.6#

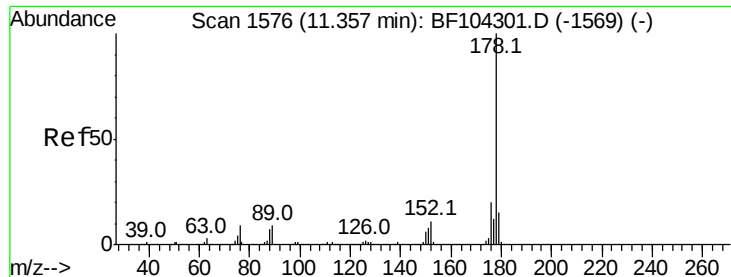


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

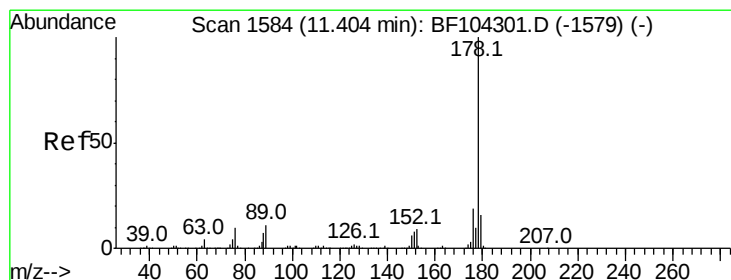
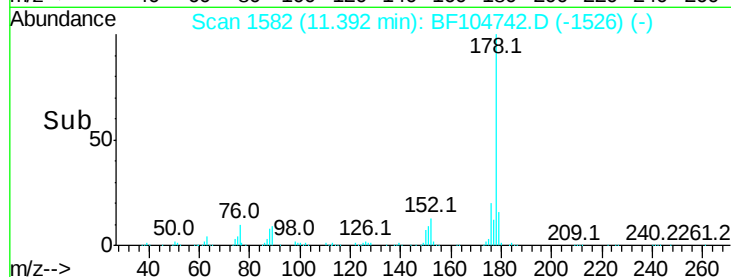
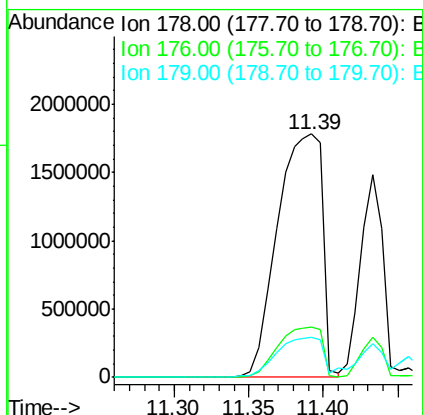
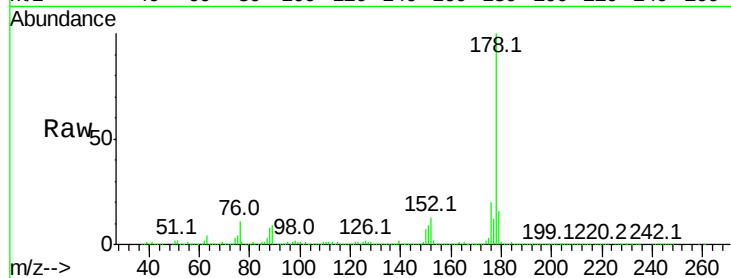




#70
Phenanthrene
Concen: 271.033 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.03 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

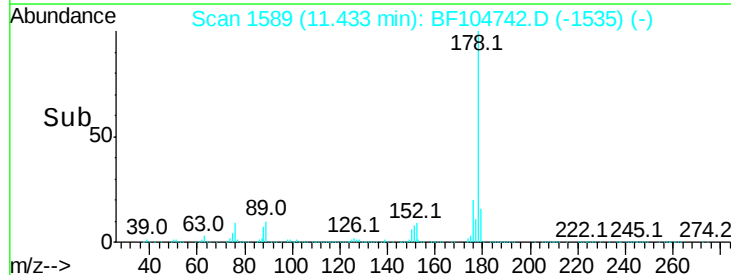
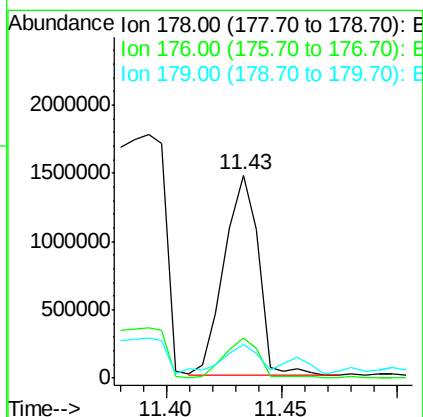
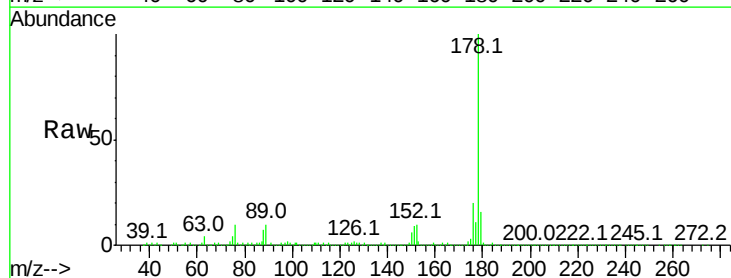
Instrument :
BNA_F
ClientSampleId :

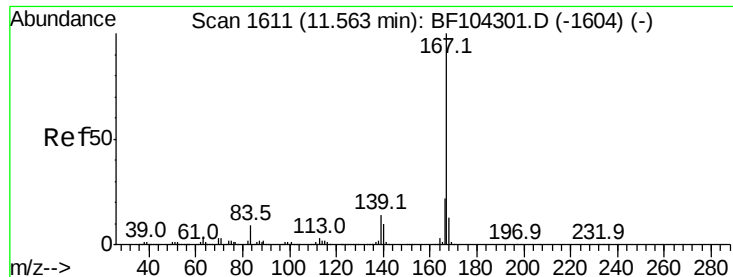
Tot Ion:178 Resp: 3697431
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.3 13.0 19.6



#71
Anthracene
Concen: 109.496 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:178 Resp: 1518411
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.5 12.6 19.0

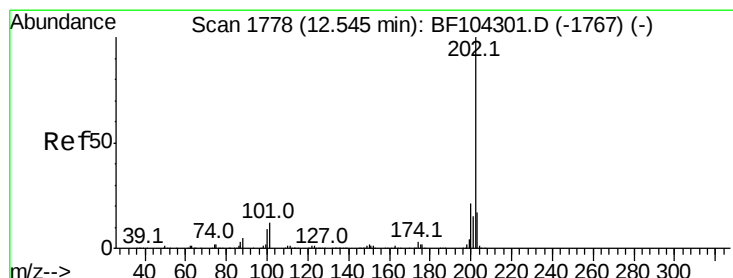
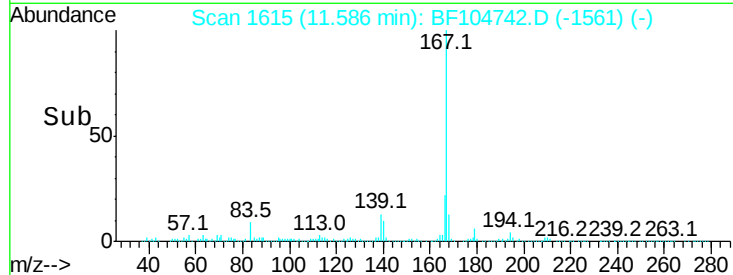
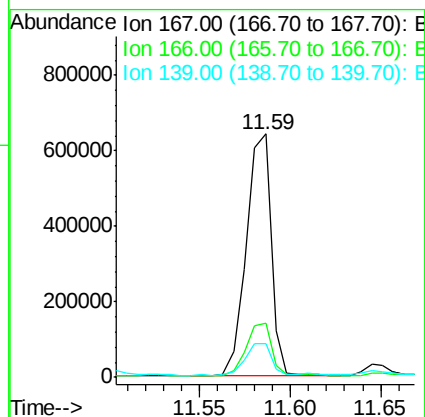
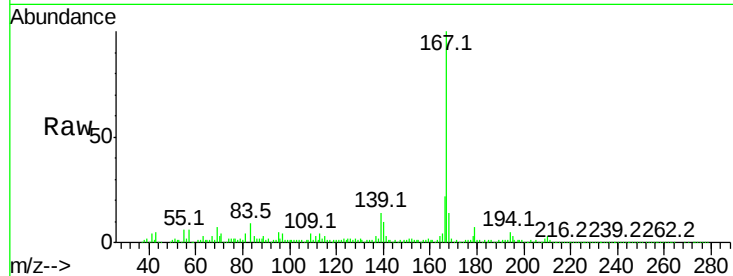




#72
 Carbazole
 Concen: 45.310 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.02 min
 Lab File: BF104742.D
 Acq: 24 Apr 2018 7:50

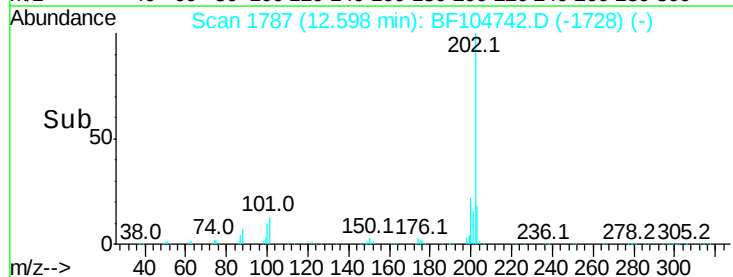
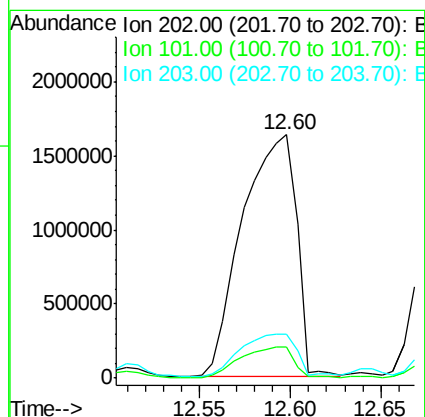
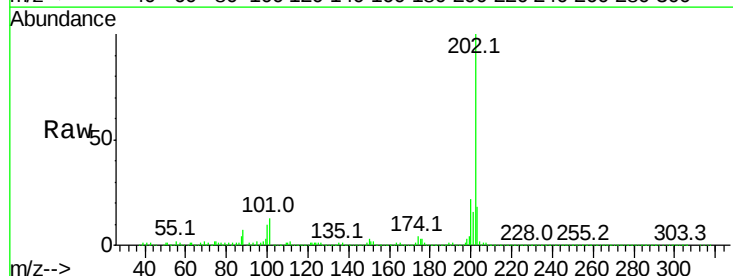
Instrument :
 BNA_F
 ClientSampleId :

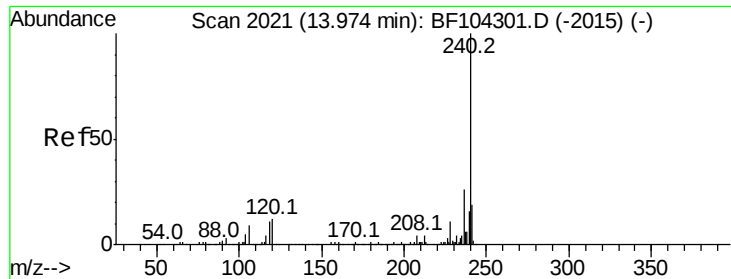
Tot Ion:167 Resp: 613989
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 13.9 10.9 16.3



#74
 Fluoranthene
 Concen: 236.385 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.05 min
 Lab File: BF104742.D
 Acq: 24 Apr 2018 7:50

Tgt Ion:202 Resp: 3369255
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 34.1
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.04 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

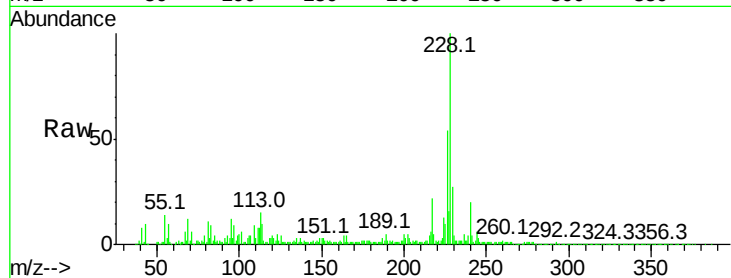
Tot Ion:240 Resp: 100996

Ion Ratio Lower Upper

240 100

120 19.2 9.5 14.3#

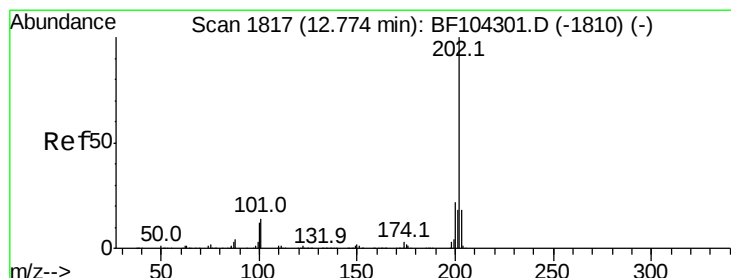
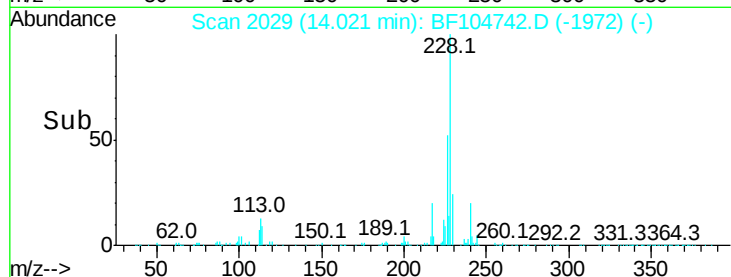
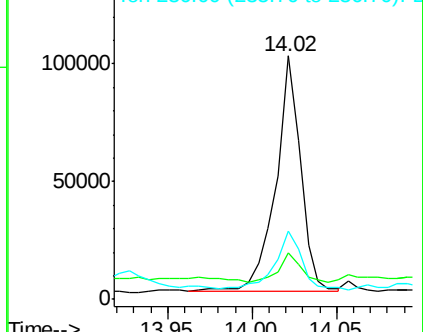
236 27.9 20.7 31.1



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

Pyrene

Concen: 438.366 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.05 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

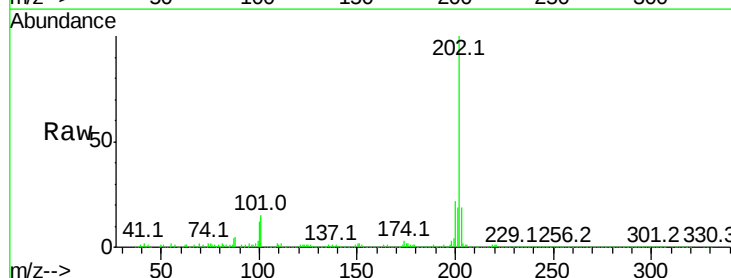
Tgt Ion:202 Resp: 3281682

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

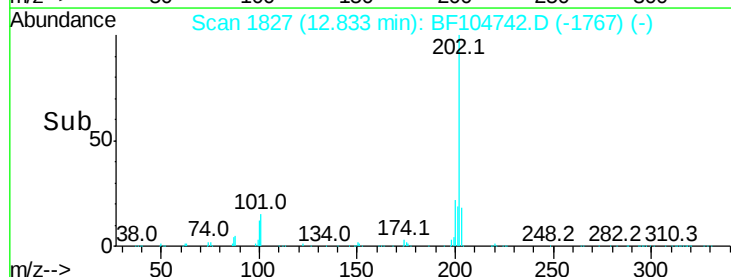
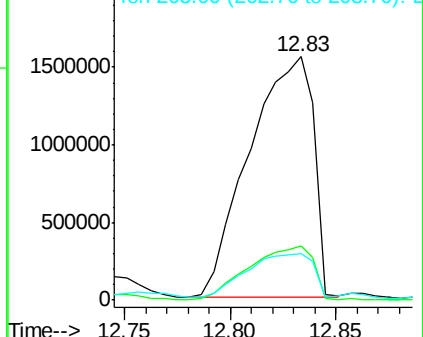
203 19.2 14.3 21.5

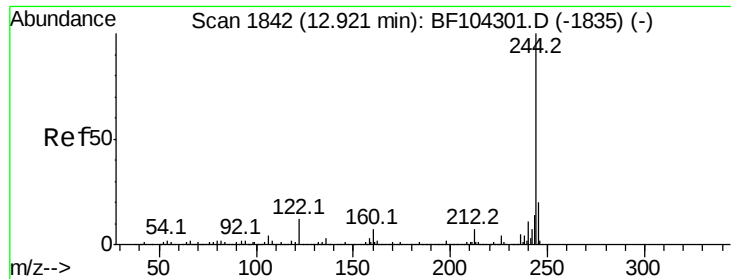


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 105.783 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.02 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

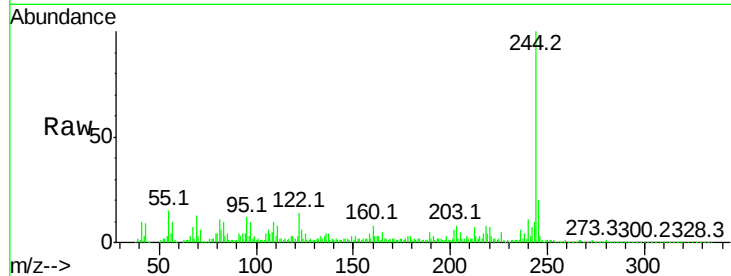
Tot Ion:244 Resp: 468615

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 14.2 11.0 16.4

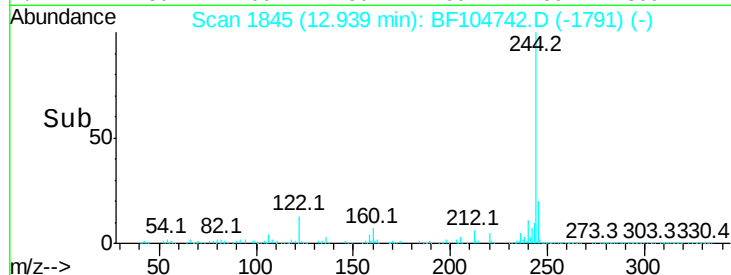


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



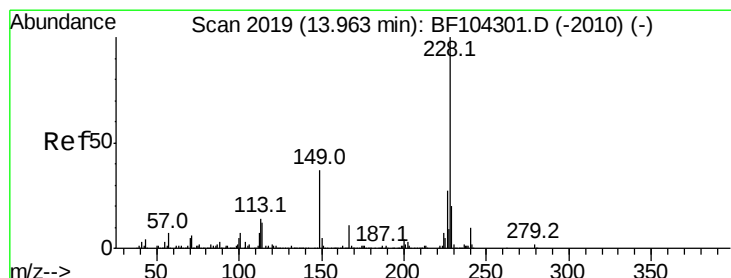
Abundance

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

Time-->



#80

Benzo(a)anthracene

Concen: 255.571 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

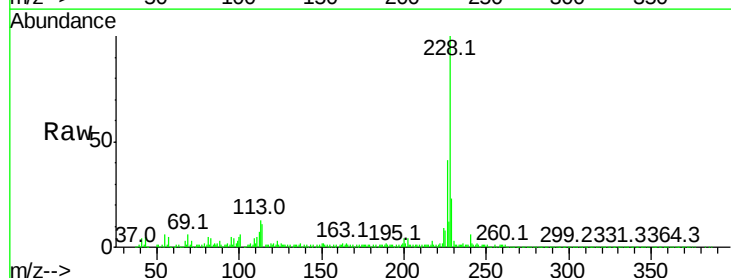
Tgt Ion:228 Resp: 1542013

Ion Ratio Lower Upper

228 100

226 40.9 22.6 33.8#

229 22.7 15.8 23.6

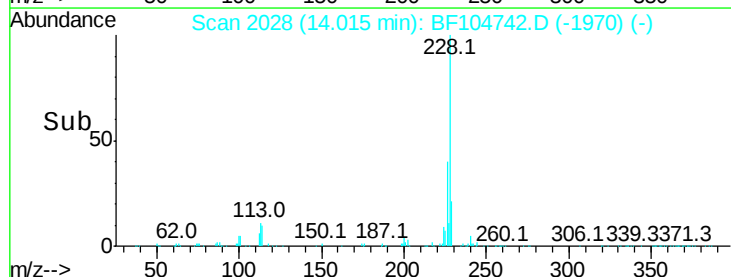


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



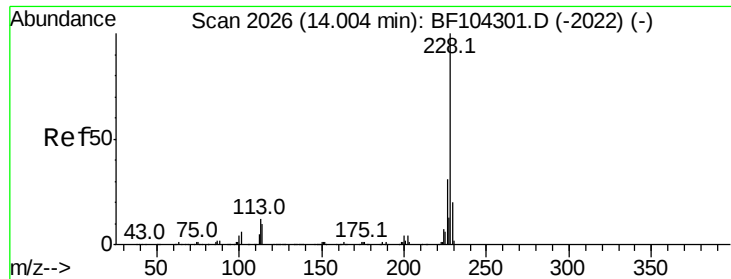
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#82

Chrysene

Concen: 212.726 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.05 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

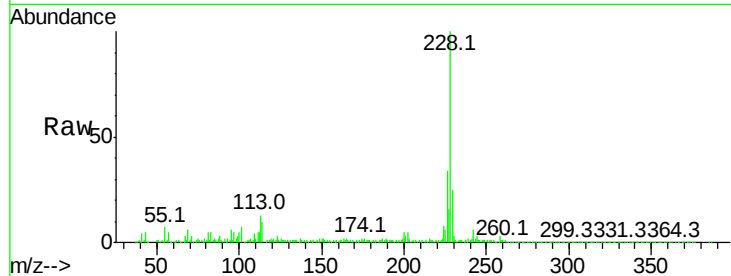
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1318355

Ion	Ratio	Lower	Upper
228	100		
226	33.7	25.0	37.6
229	25.2	16.2	24.4

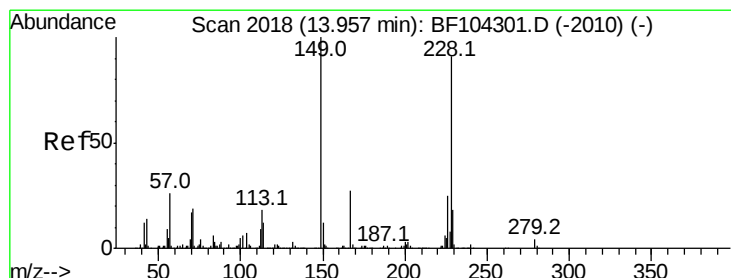
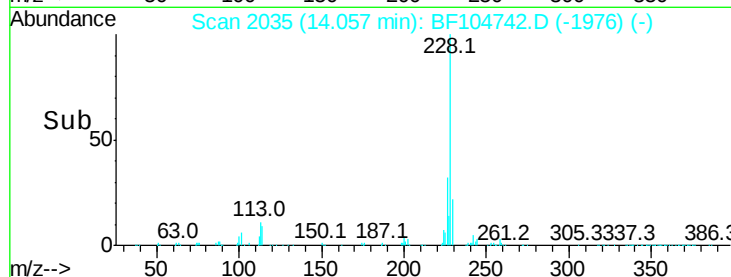
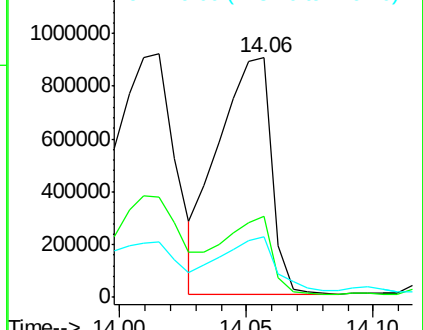


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.887 ng

RT: 13.96 min Scan# 2018

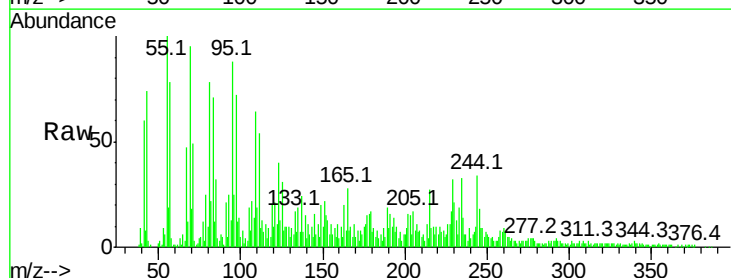
Delta R.T. 0.01 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Tgt Ion:149 Resp: 13095

Ion	Ratio	Lower	Upper
149	100		
167	51.2	21.3	31.9
279	13.1	3.0	4.4

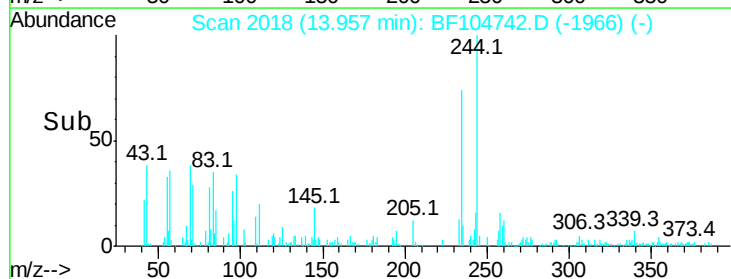
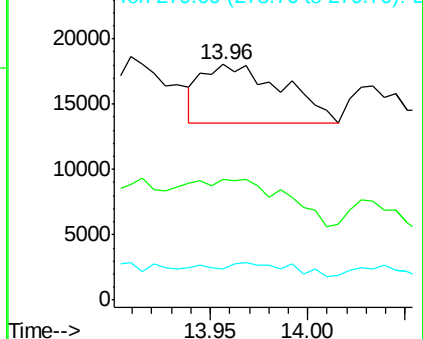


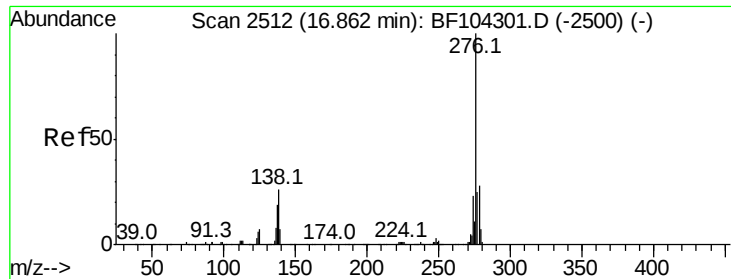
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 195.339 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.10 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

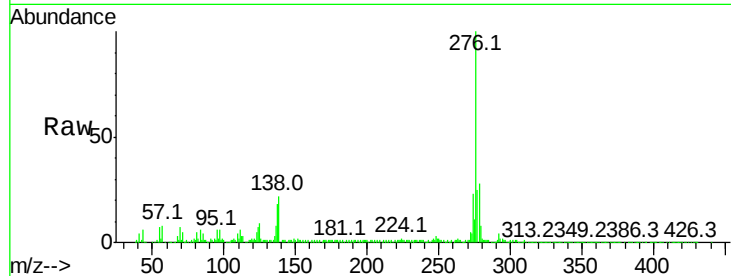
Tot Ion:276 Resp: 1028390

Ion Ratio Lower Upper

276 100

138 22.3 25.0 37.6#

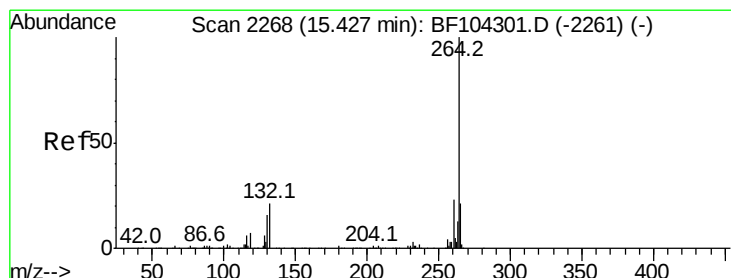
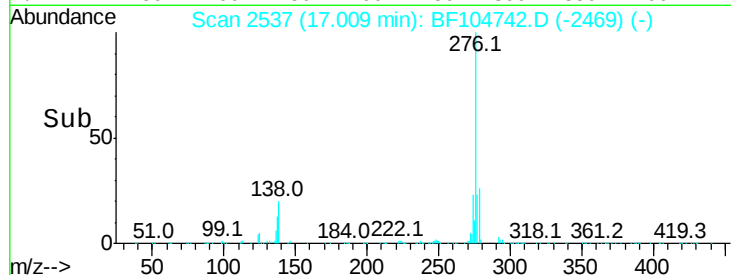
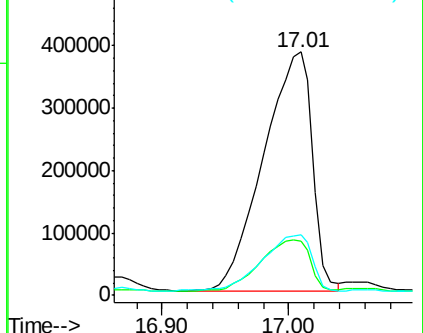
277 23.9 20.1 30.1



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: 15.50 min Scan# 2281

Delta R.T. 0.05 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

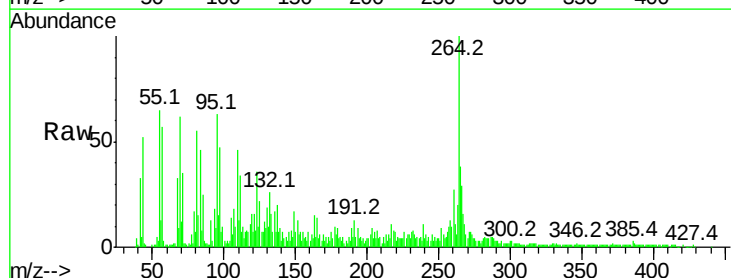
Tgt Ion:264 Resp: 110280

Ion Ratio Lower Upper

264 100

260 27.0 19.2 28.8

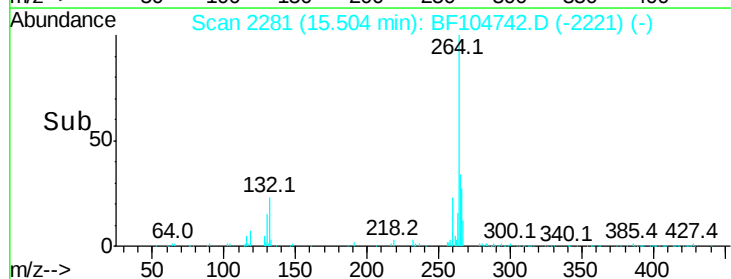
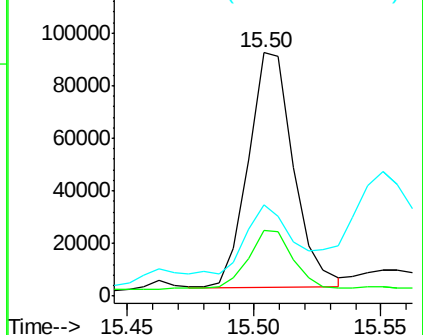
265 37.6 17.5 26.3#

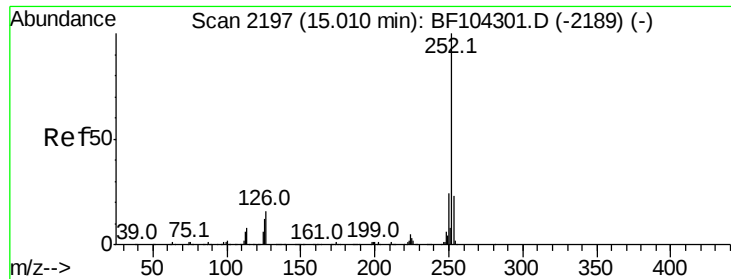


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 294.473 ng

RT: 15.09 min Scan# 2210

Delta R.T. 0.06 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

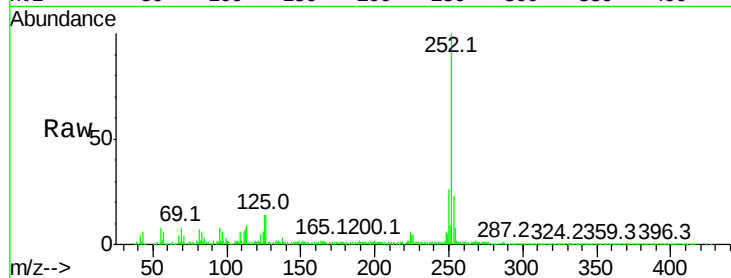
Tot Ion:252 Resp: 2051036

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

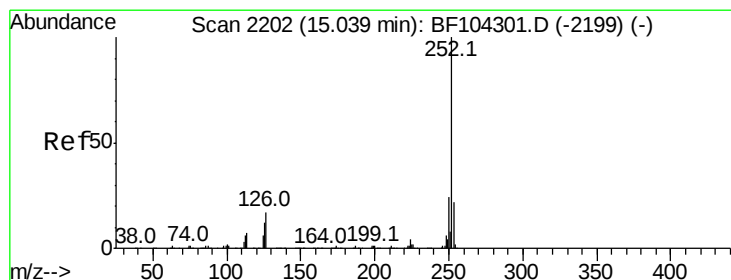
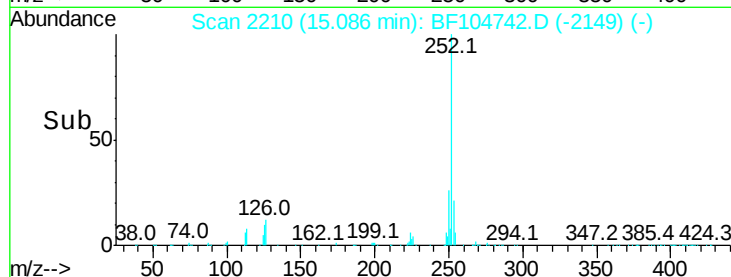
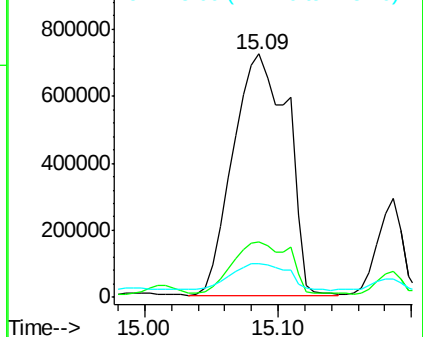
125 14.1 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 311.913 ng

RT: 15.09 min Scan# 2210

Delta R.T. 0.03 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

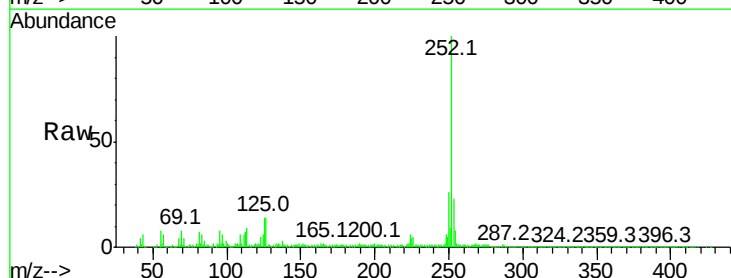
Tgt Ion:252 Resp: 2051036

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

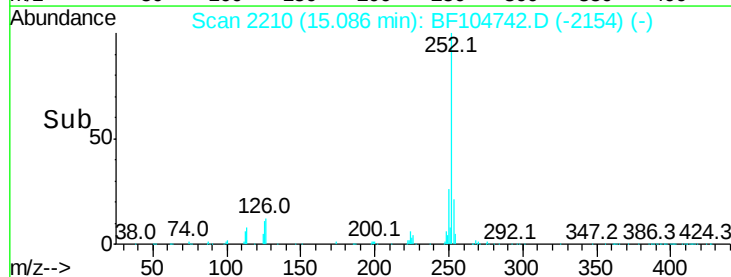
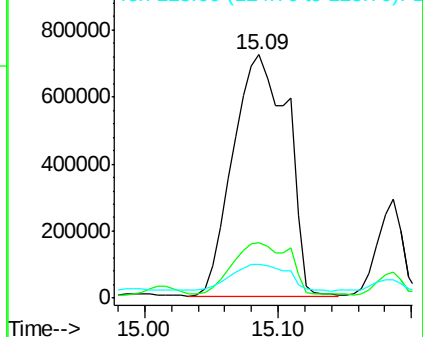
125 14.1 10.2 15.2

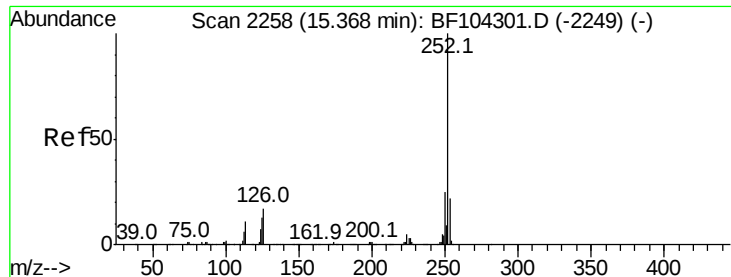


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 190.236 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.06 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

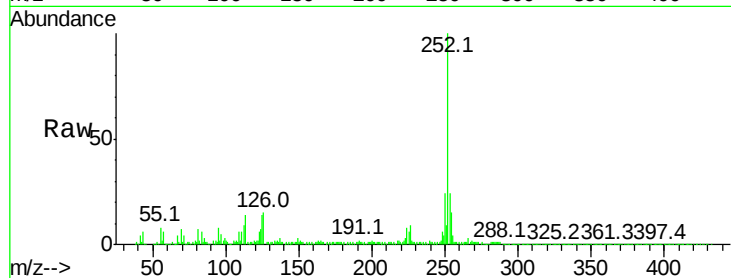
Tot Ion:252 Resp: 1185554

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

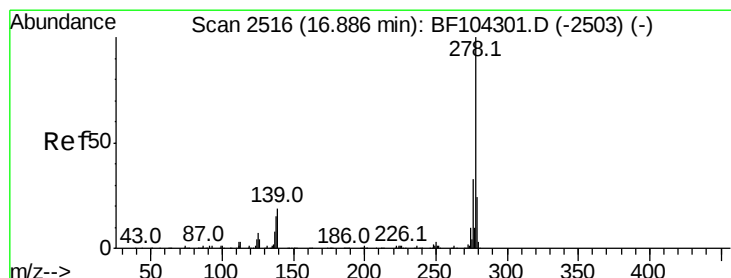
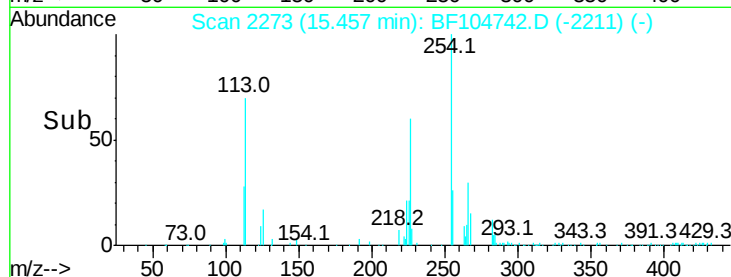
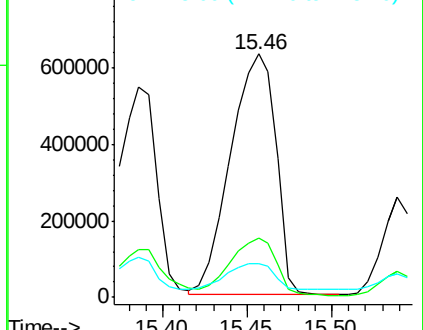
125 13.8 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 41.344 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.23 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

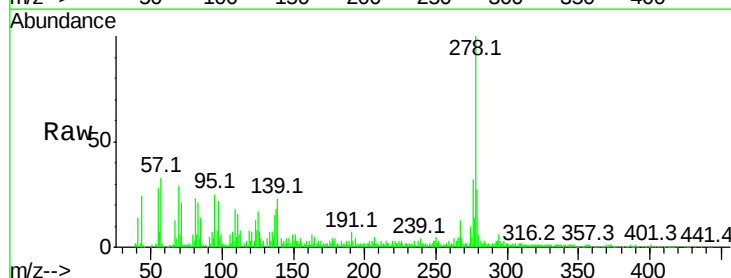
Tgt Ion:278 Resp: 211613

Ion Ratio Lower Upper

278 100

139 23.0 15.9 23.9

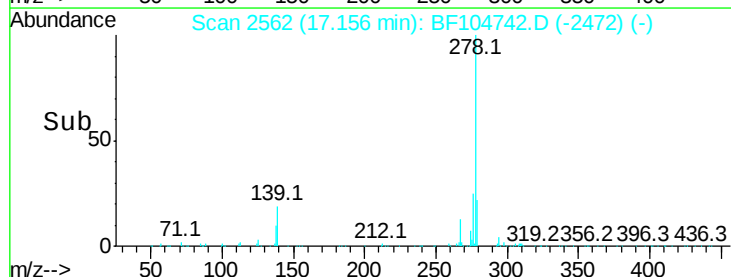
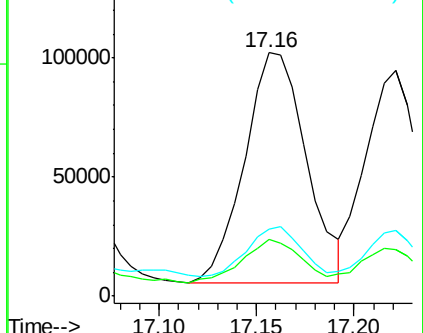
279 27.4 19.0 28.4

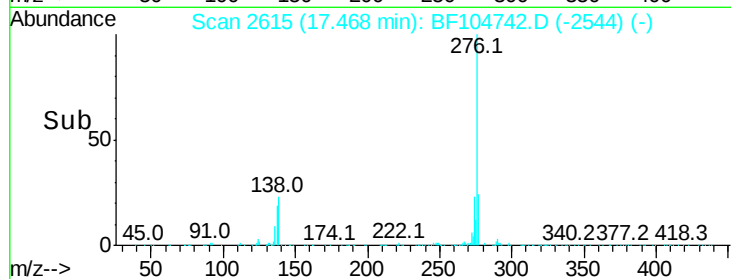
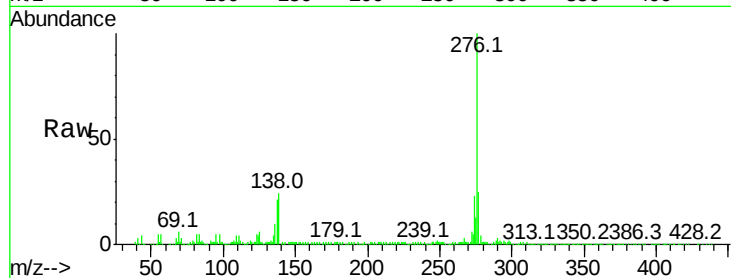
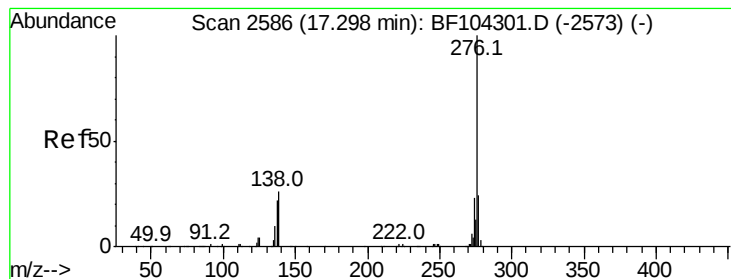


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 227.333 ng

RT: 17.47 min Scan# 2615

Delta R.T. 0.12 min

Lab File: BF104742.D

Acq: 24 Apr 2018 7:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 1127311

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 24.3 21.8 32.8

