

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF101002.D
 Acq On : 30 Nov 2017 3:28
 Operator : SJ/JU
 Sample : I6608-01DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 04:08:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

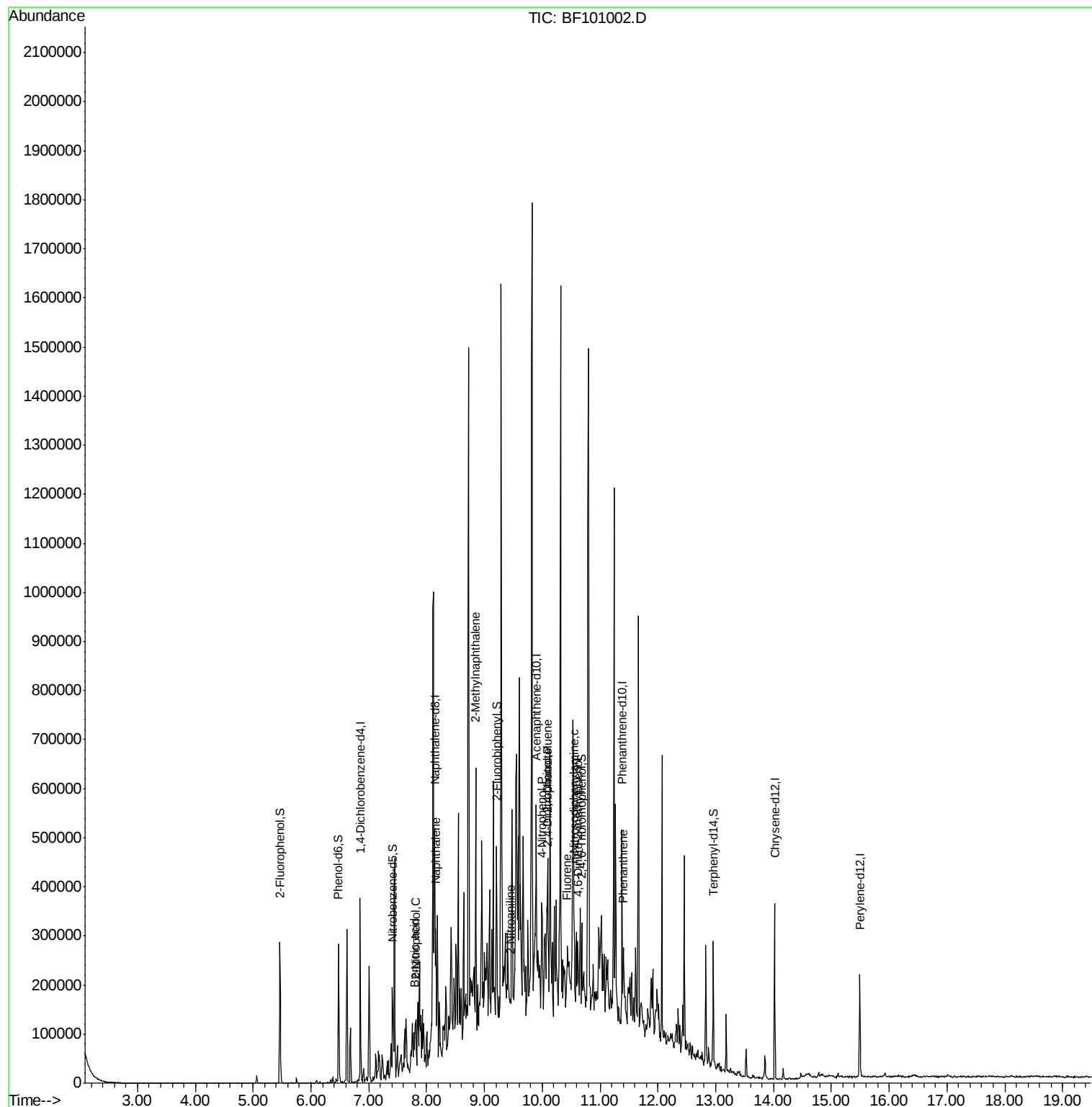
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	52642	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	187883	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	72921	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	120997	20.00	ng	0.00
75) Chrysene-d12	14.02	240	116412	20.00	ng	0.00
86) Perylene-d12	15.49	264	90285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	75455	22.98	ng	-0.01
7) Phenol-d6	6.47	99	88245	21.79	ng	-0.02
23) Nitrobenzene-d5	7.41	82	50810	17.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	15446	20.79	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	98499	20.57	ng	0.00
78) Terphenyl-d14	12.96	244	81669	16.12	ng	0.00
Target Compounds						
26) 2-Nitrophenol	7.80	139	282	5.562	ng	# 1
31) Naphthalene	8.16	128	51480	5.689	ng	# 94
32) Benzoic acid	7.79	122	133	9.423	ng	# 1
37) 2-Methylnaphthalene	8.85	142	135523	22.557	ng	# 99
47) 2-Nitroaniline	9.45	65	185	2.913	ng	# 1
53) 2,4-Dinitrophenol	10.10	184	120	8.159	ng	# 1
55) 4-Nitrophenol	9.99	139	4568	4.323	ng	# 61
56) 2,4-Dinitrotoluene	10.09	165	3396	2.443	ng	# 59
57) Fluorene	10.44	166	12010	2.536	ng	# 86
64) 4,6-Dinitro-2-methylphenol	10.62	198	354	9.046	ng	# 1
65) n-Nitrosodiphenylamine	10.55	169	17505	4.161	ng	# 51
70) Phenanthrene	11.40	178	43975	6.903	ng	# 97

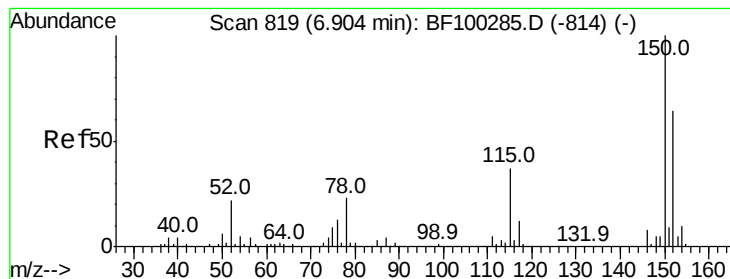
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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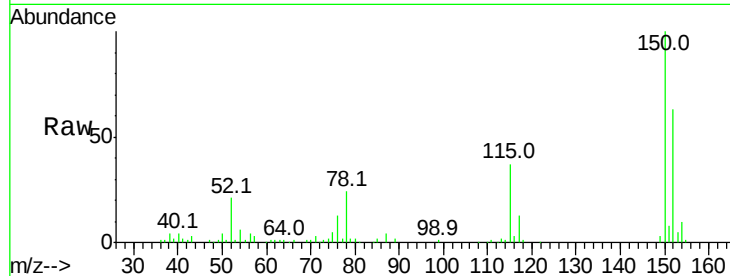


#1

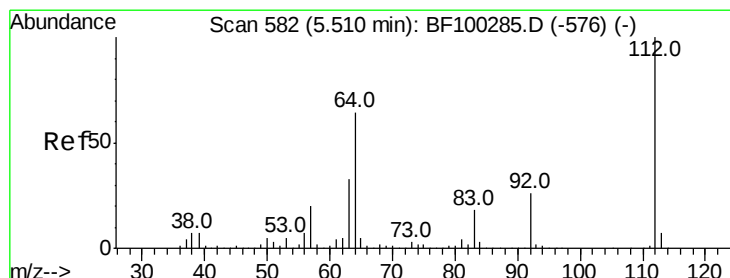
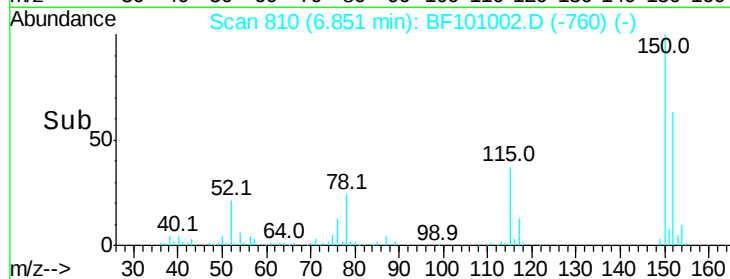
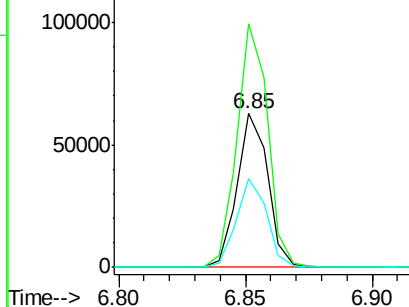
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 52642
 Ion Ratio Lower Upper
 152 100
 150 158.5 124.6 186.8
 115 58.1 50.1 75.1



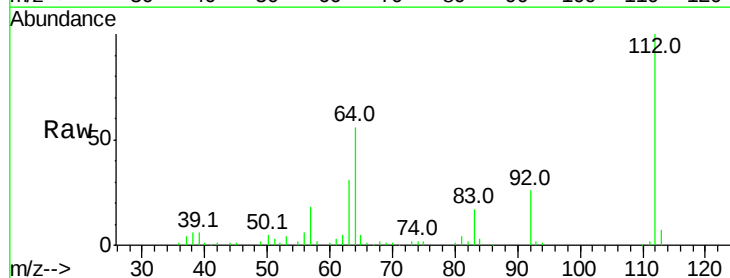
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



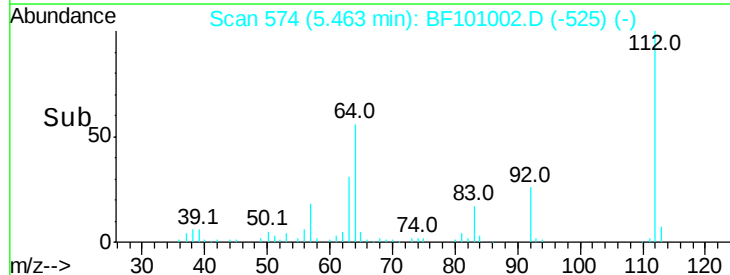
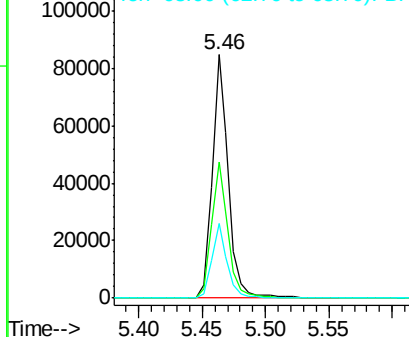
#5

2-Fluorophenol
 Concen: 22.977 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Tgt Ion:112 Resp: 75455
 Ion Ratio Lower Upper
 112 100
 64 55.6 47.9 71.9
 63 30.7 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: 21.791 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

Instrument :

BNA_F

ClientSampled :

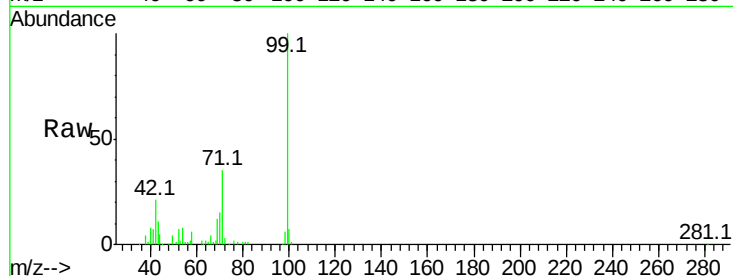
Tot Ion: 99 Resp: 88245

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

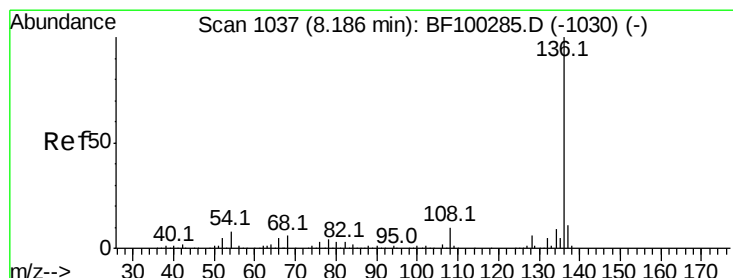
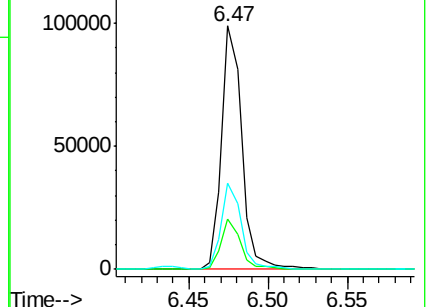
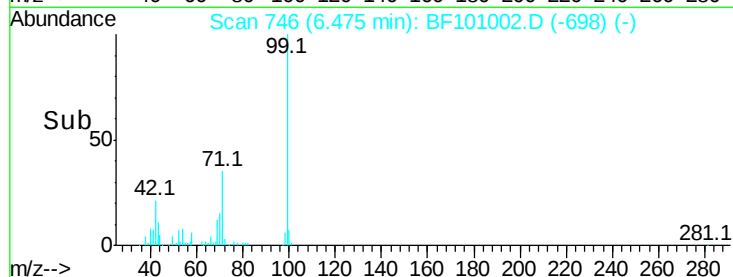
71 35.4 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

Tgt Ion: 136 Resp: 187883

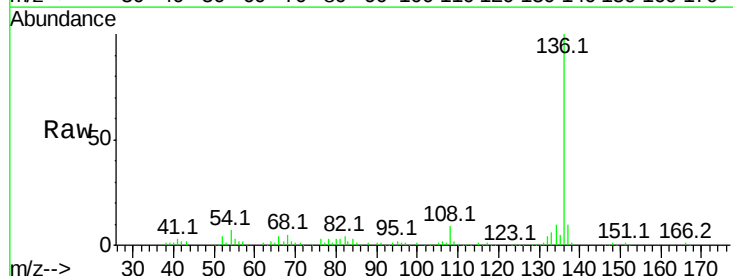
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 7.0 6.6 9.8

68 4.6 5.0 7.4#

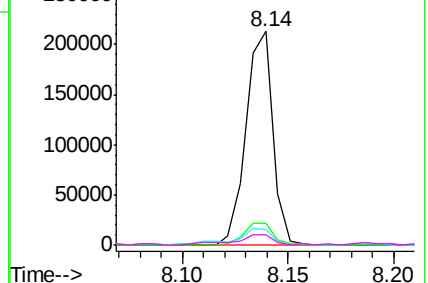
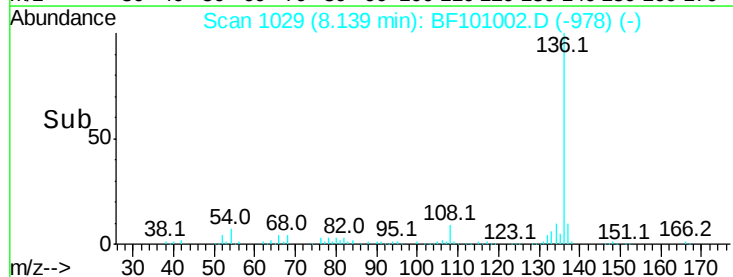


Abundance Ion 136.00 (135.70 to 136.70): E

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

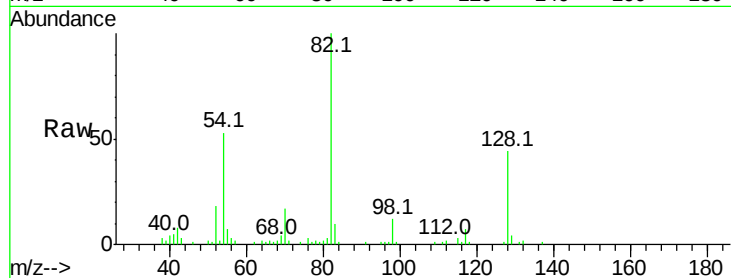




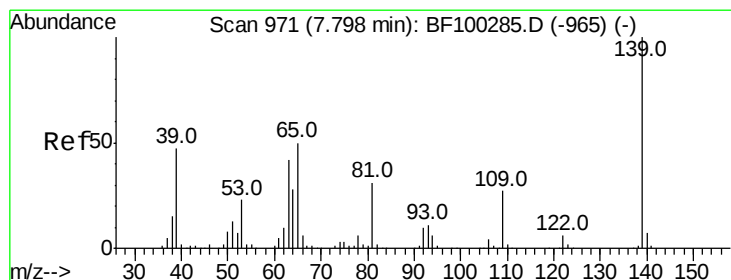
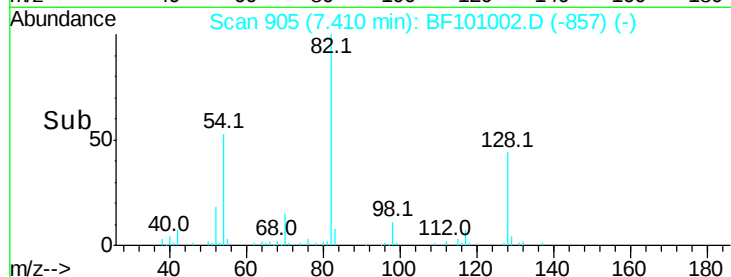
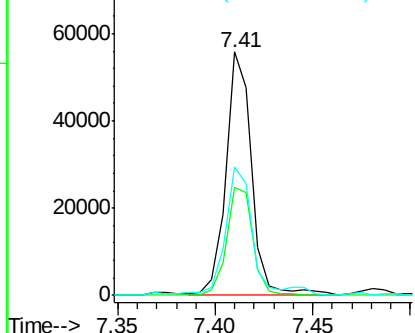
#23
 Nitrobenzene-d5
 Concen: 17.879 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 50810
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 53.0 41.4 62.2

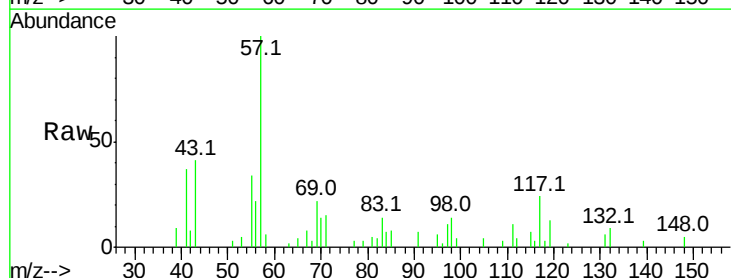


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

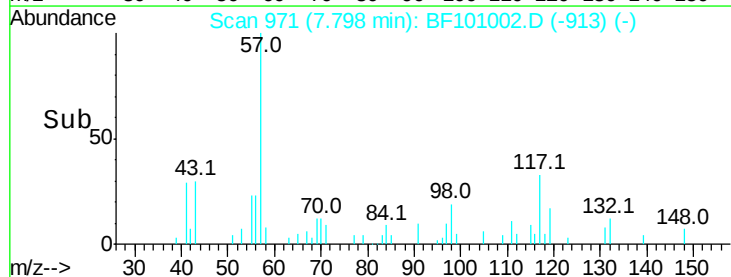
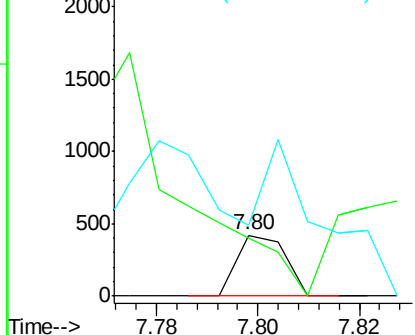


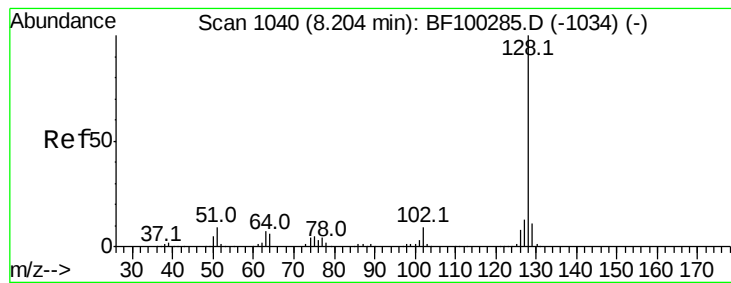
#26
 2-Nitrophenol
 Concen: 5.562 ng
 RT: 7.80 min Scan# 971
 Delta R.T. 0.04 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Tgt Ion: 139 Resp: 282
 Ion Ratio Lower Upper
 139 100
 109 96.0 22.7 34.1#
 65 115.9 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
 Ion 109.00 (108.70 to 109.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#31

Naphthalene

Concen: 5.689 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

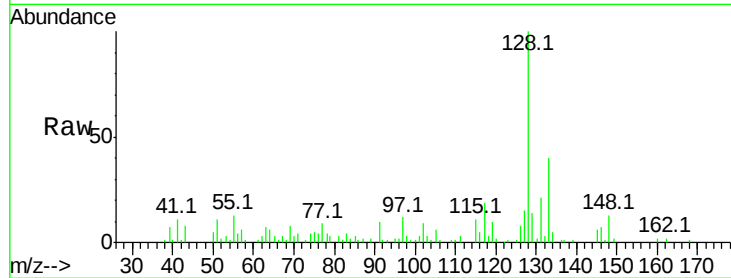
Tot Ion:128 Resp: 51480

Ion Ratio Lower Upper

128 100

129 13.8 8.8 13.2#

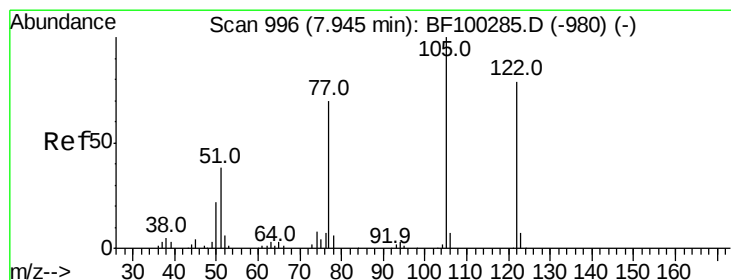
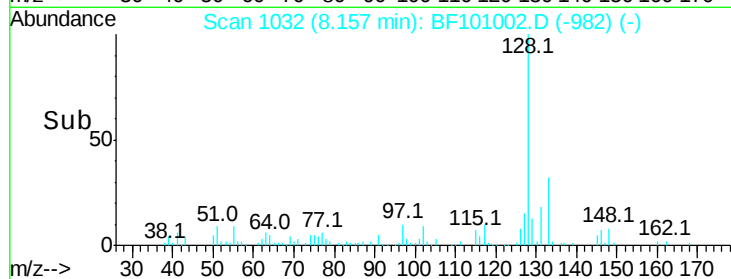
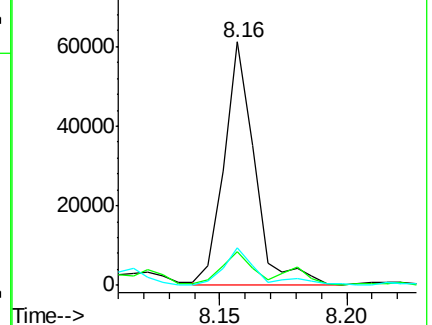
127 15.2 10.9 16.3



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: 9.423 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.14 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

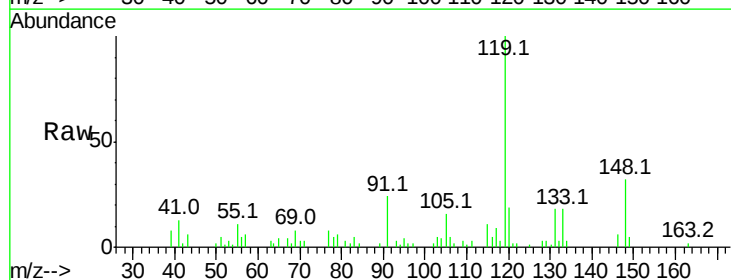
Tgt Ion:122 Resp: 133

Ion Ratio Lower Upper

122 100

105 1000.3 101.1 141.1#

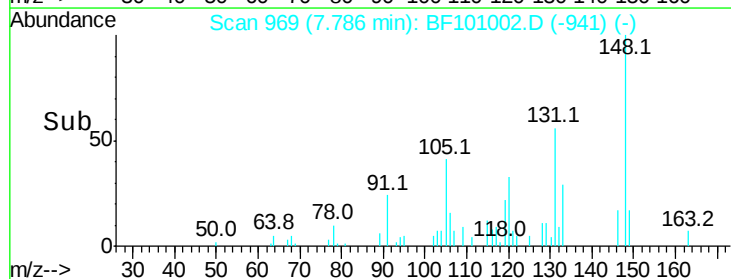
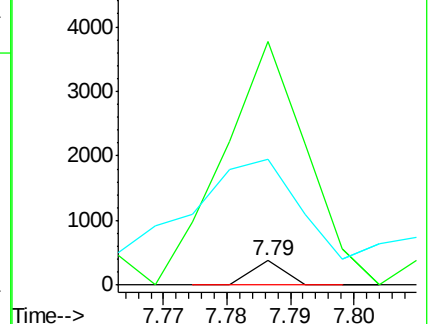
77 515.6 70.7 110.7#

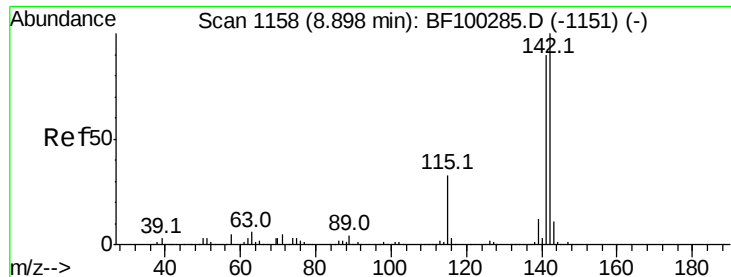


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

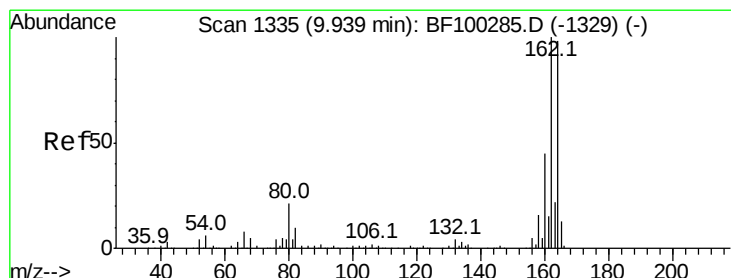
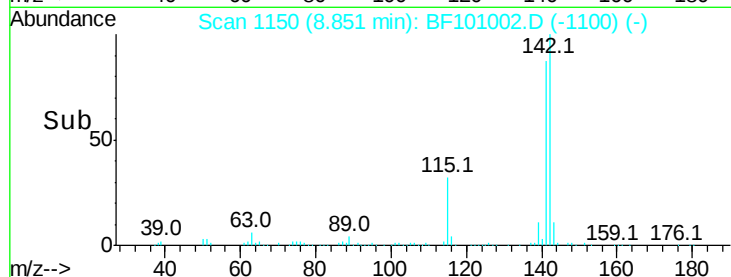
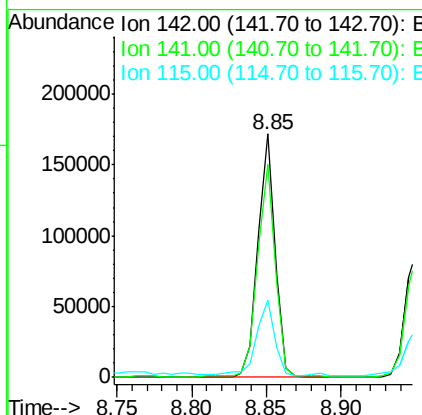
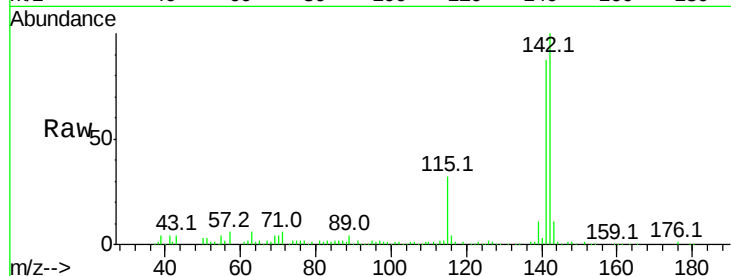




#37
 2-Methylnaphthalene
 Concen: 22.557 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

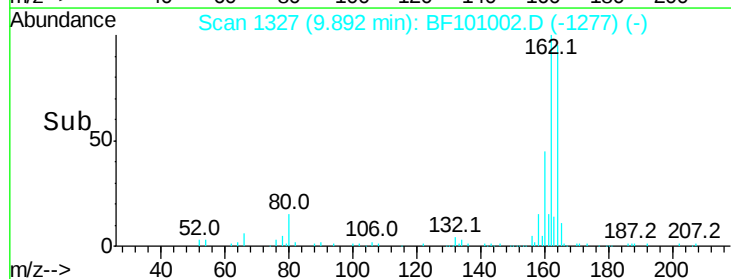
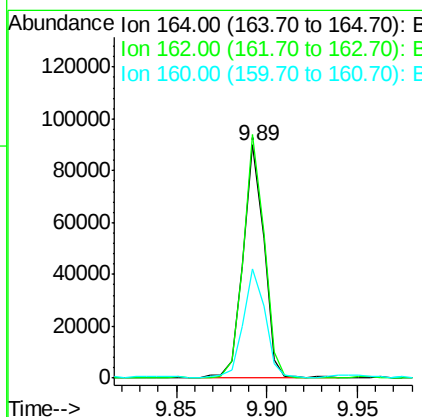
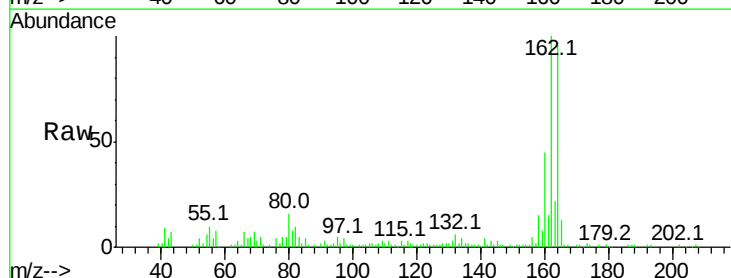
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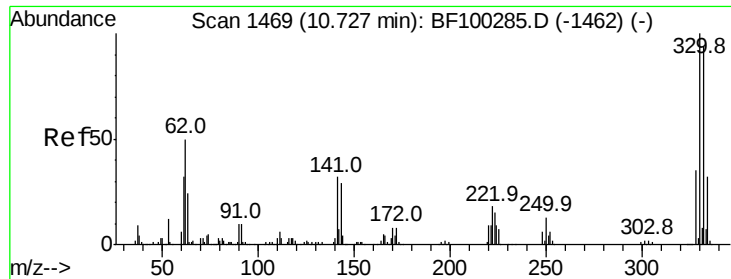
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	31.6	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	47.0	38.3	57.5

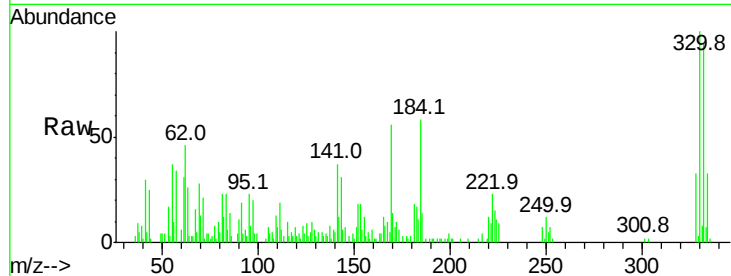




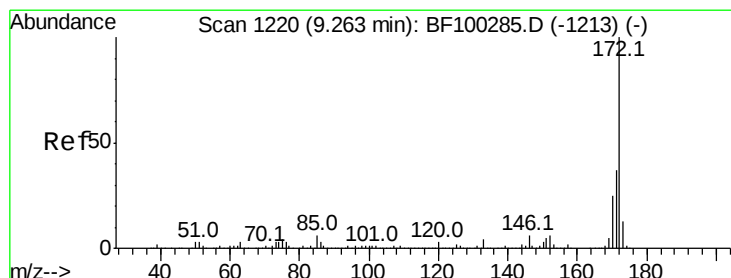
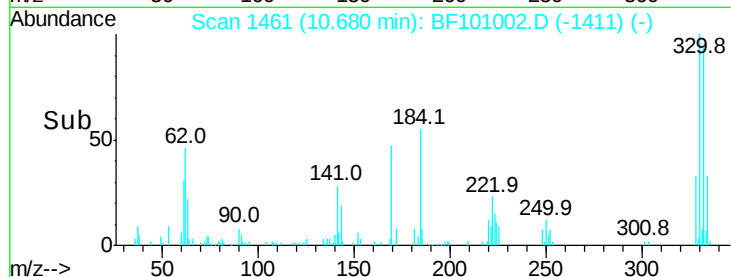
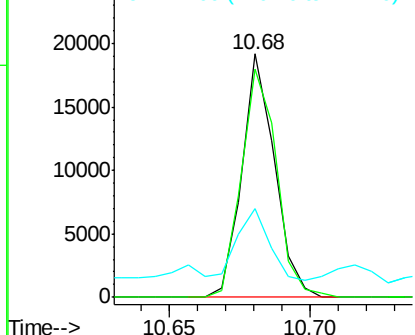
#41
 2,4,6-Tribromophenol
 Concen: 20.787 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 15446
 Ion Ratio Lower Upper
 330 100
 332 100.7 77.0 115.6
 141 33.7 29.9 44.9

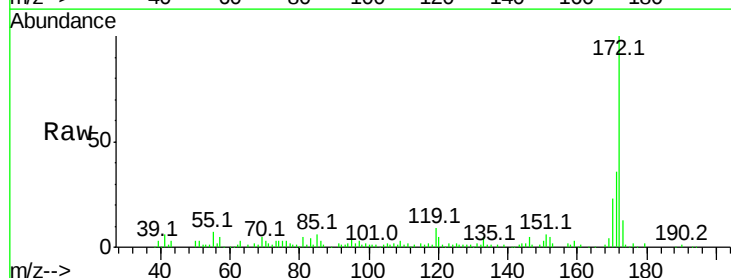


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

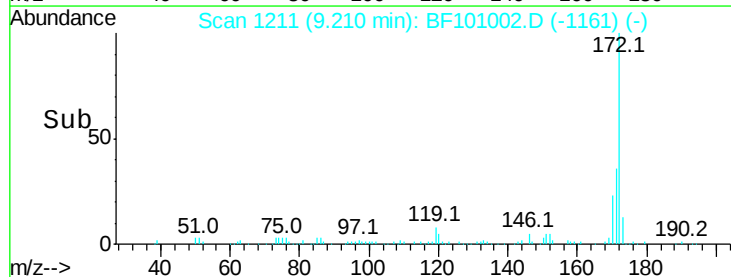
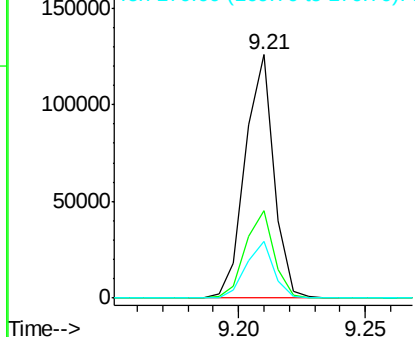


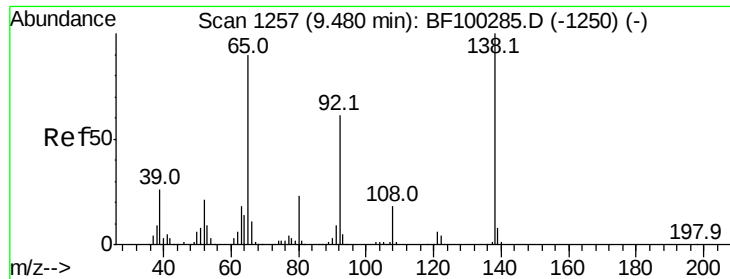
#44
 2-Fluorobiphenyl
 Concen: 20.568 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Tgt Ion:172 Resp: 98499
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.4 19.6 29.4



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

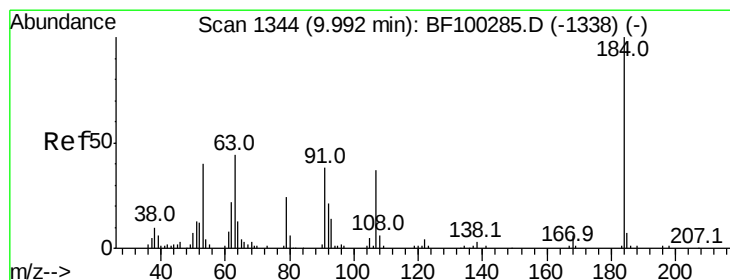
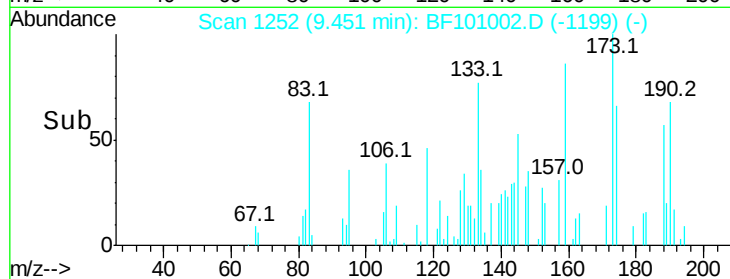
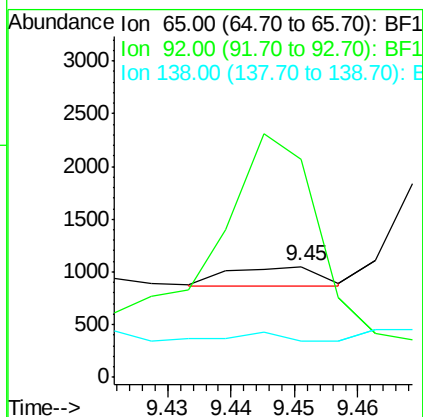
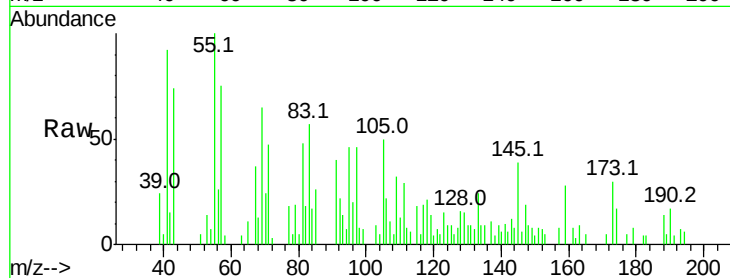




#47
2-Nitroaniline
Concen: 2.913 ng
RT: 9.45 min Scan# 1252
Delta R.T. 0.01 min
Lab File: BF101002.D
Acq: 30 Nov 2017 3:28

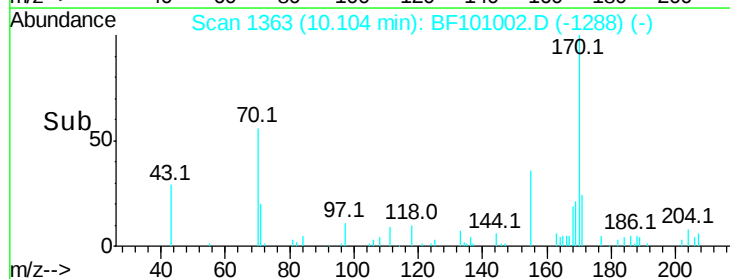
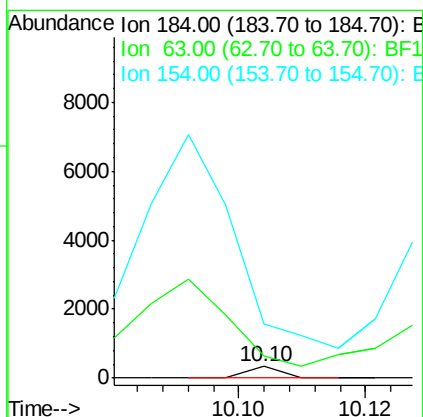
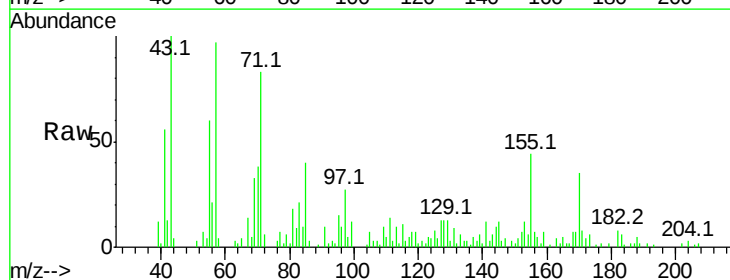
Instrument :
BNA_F
ClientSampleId :

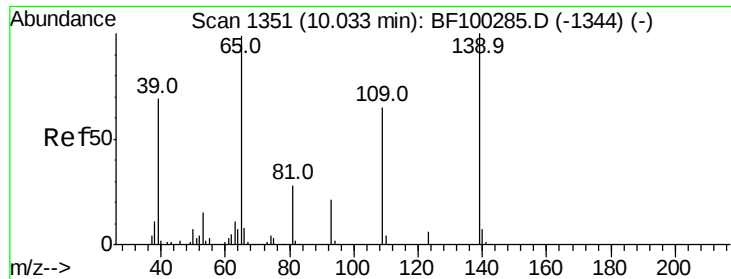
Tot Ion: 65 Resp: 185
Ion Ratio Lower Upper
65 100
92 196.7 55.8 83.6#
138 32.4 91.2 136.8#



#53
2,4-Dinitrophenol
Concen: 8.159 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.14 min
Lab File: BF101002.D
Acq: 30 Nov 2017 3:28

Tgt Ion: 184 Resp: 120
Ion Ratio Lower Upper
184 100
63 193.8 54.2 81.2#
154 468.1 184.0 276.0#

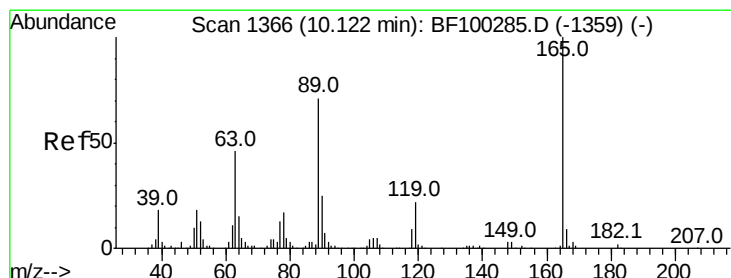
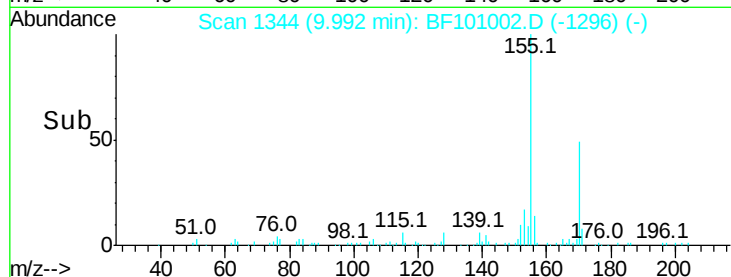
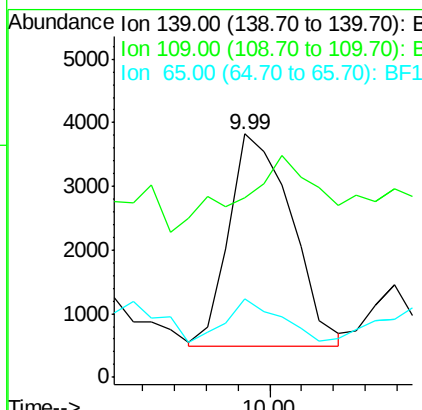
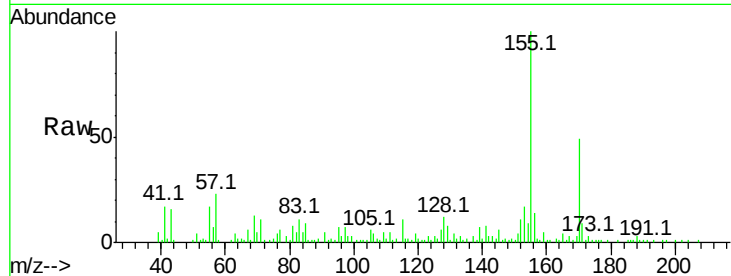




#55
4-Nitrophenol
Concen: 4.323 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BF101002.D
Acq: 30 Nov 2017 3:28

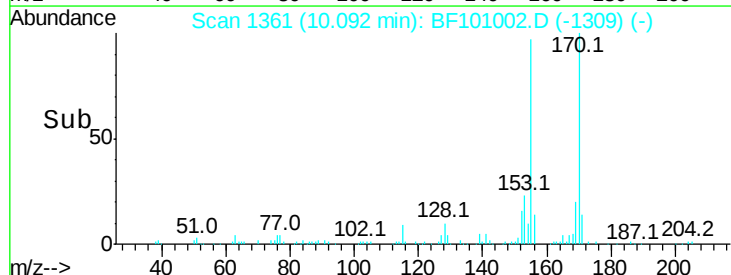
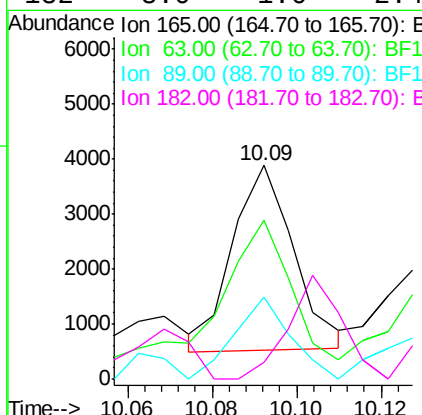
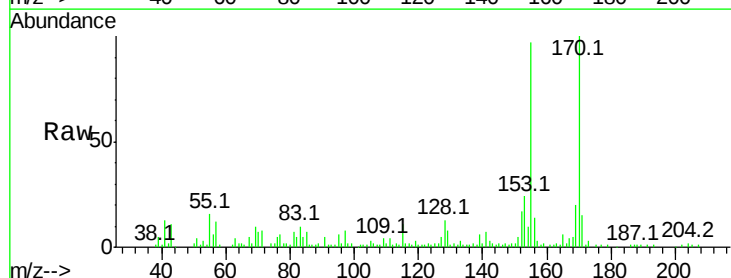
Instrument :
BNA_F
ClientSampleId :

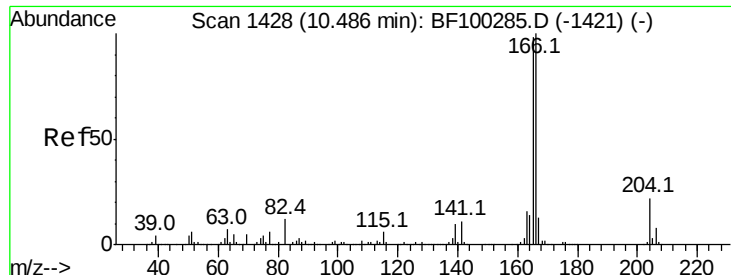
Tot Ion:139 Resp: 4568
Ion Ratio Lower Upper
139 100
109 73.5 48.4 88.4
65 32.2 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 2.443 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF101002.D
Acq: 30 Nov 2017 3:28

Tgt Ion:165 Resp: 3396
Ion Ratio Lower Upper
165 100
63 74.3 36.4 54.6#
89 38.4 57.8 86.6#
182 8.0 1.6 2.4#

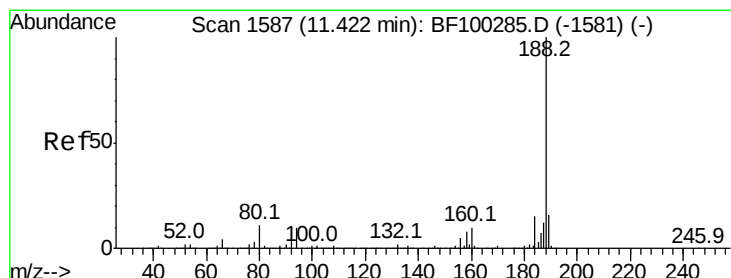
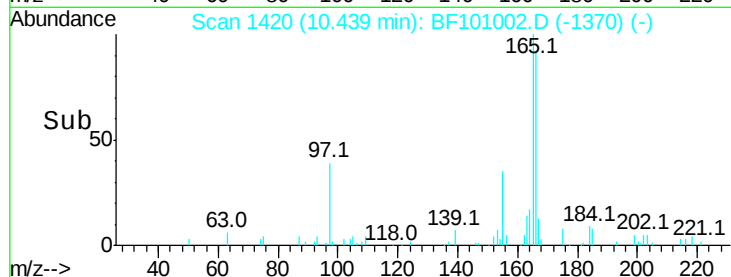
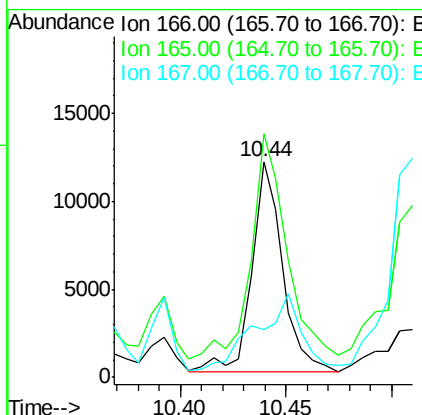
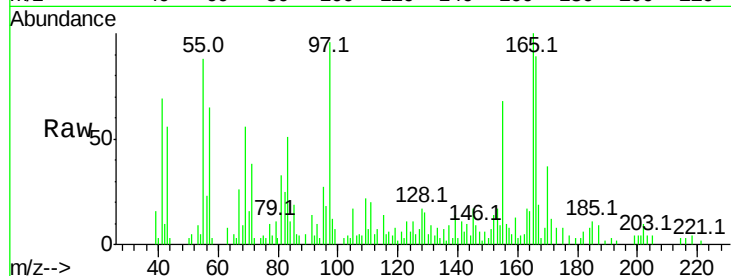




#57
Fluorene
 Concen: 2.536 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

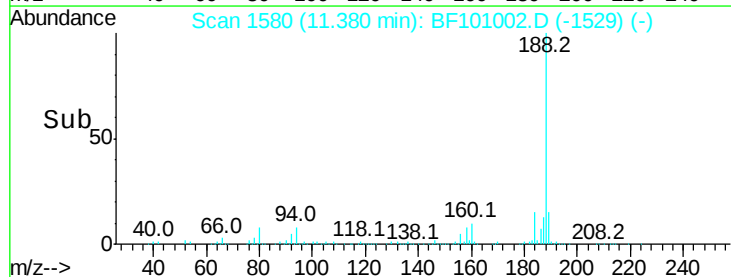
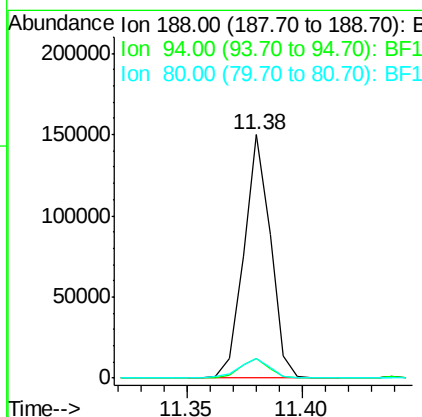
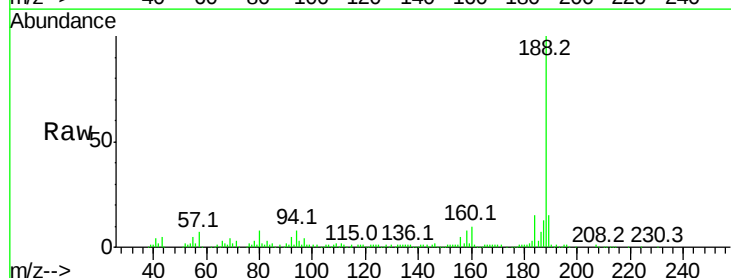
Instrument :
 BNA_F
 ClientSampleId :

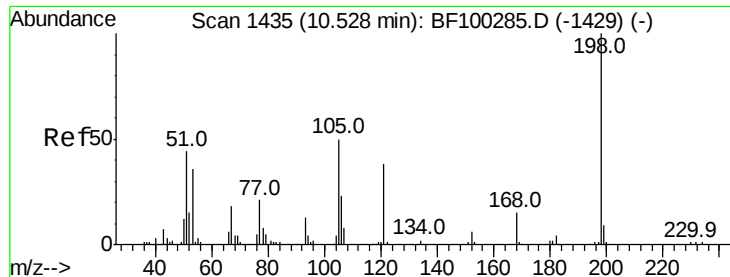
Tot Ion:166 Resp: 12010
 Ion Ratio Lower Upper
 166 100
 165 112.9 79.8 119.8
 167 21.9 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Tgt Ion:188 Resp: 120997
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 8.2 9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 9.046 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.12 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

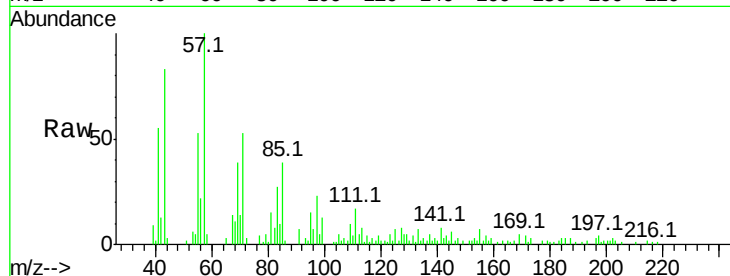
Tot Ion:198 Resp: 354

Ion Ratio Lower Upper

198 100

51 123.3 37.7 77.7#

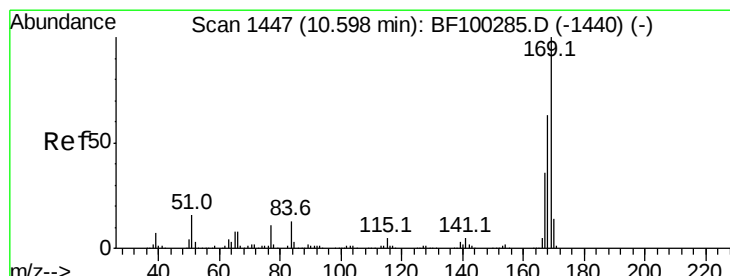
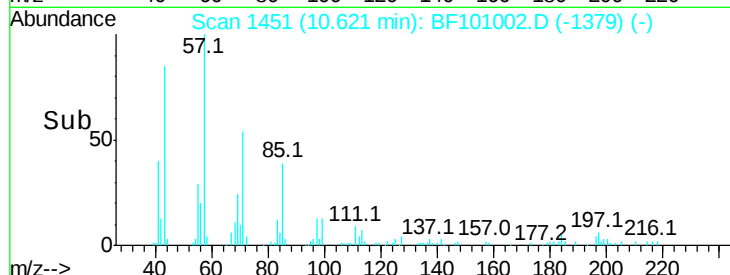
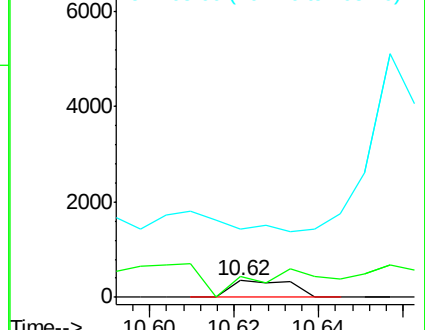
105 414.1 36.3 76.3#



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: 4.161 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

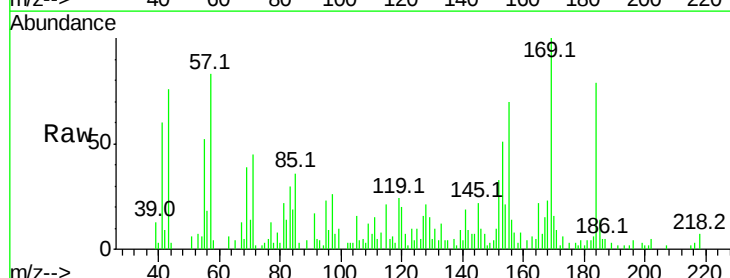
Tgt Ion:169 Resp: 17505

Ion Ratio Lower Upper

169 100

168 22.9 54.4 81.6#

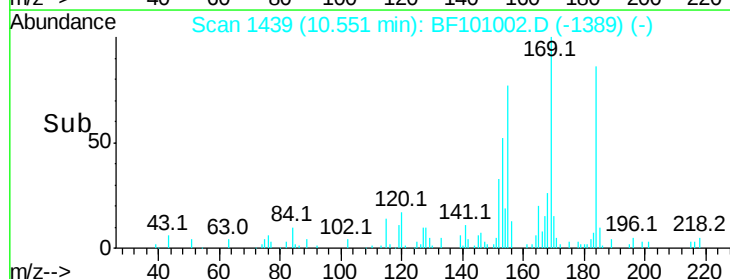
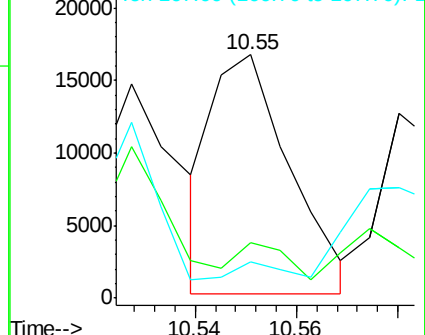
167 15.1 29.8 44.6#

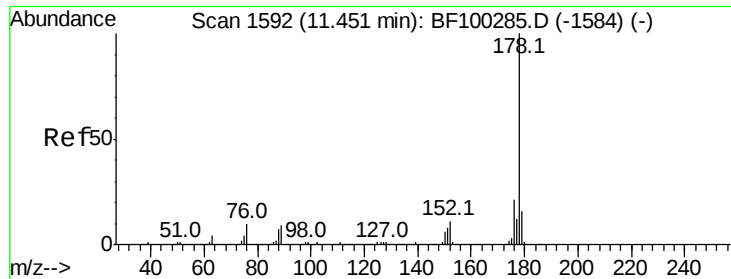


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 6.903 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

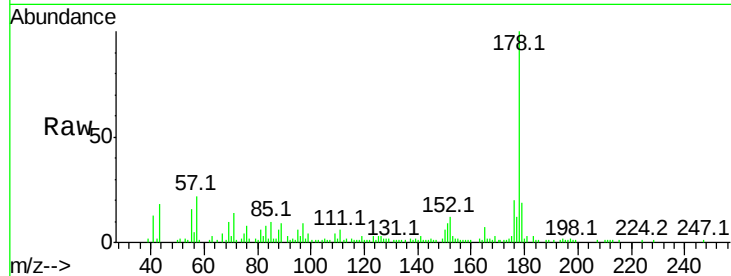
Tot Ion:178 Resp: 43975

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

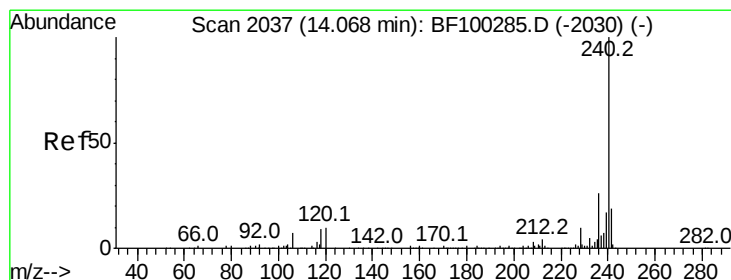
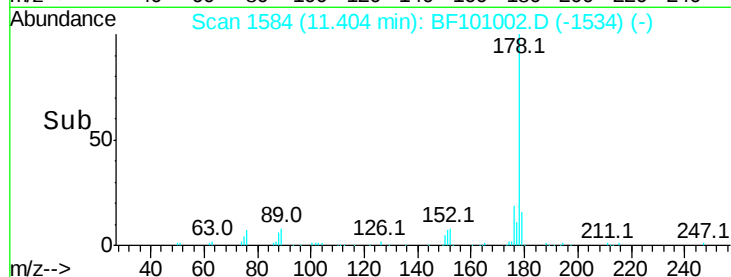
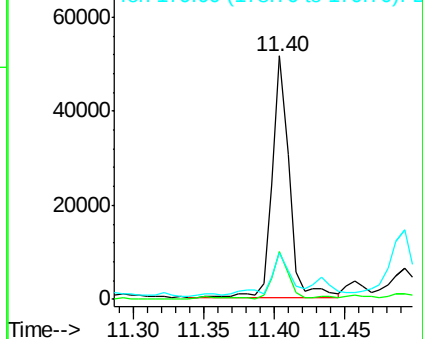
179 19.0 13.0 19.6



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101002.D

Acq: 30 Nov 2017 3:28

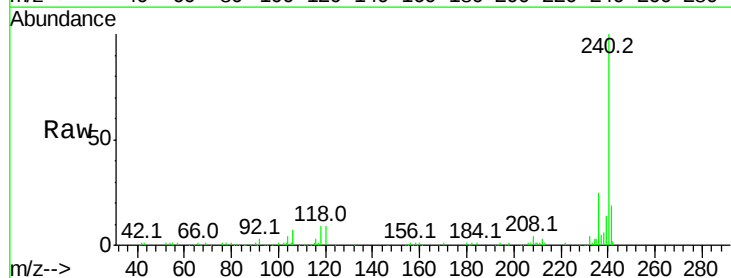
Tgt Ion:240 Resp: 116412

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

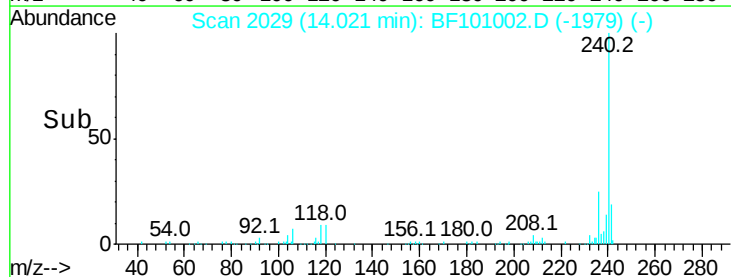
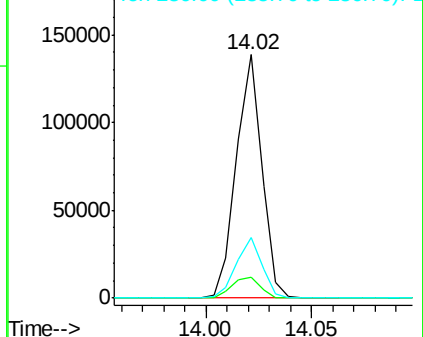
236 24.9 20.7 31.1

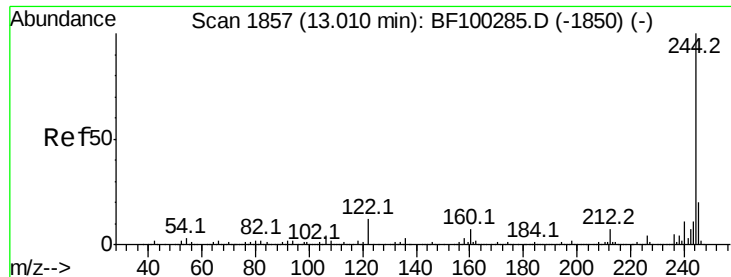


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

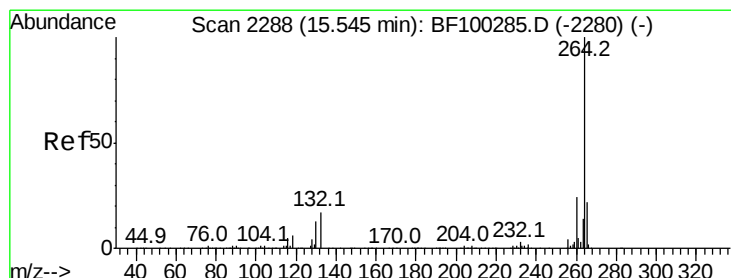
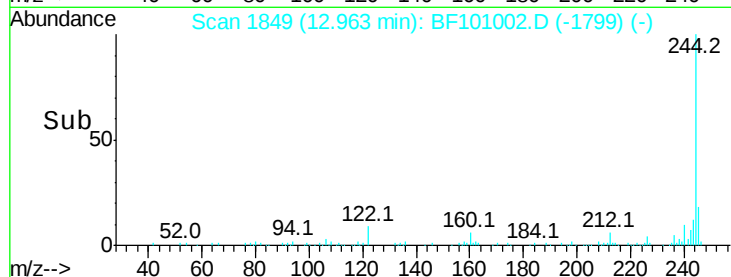
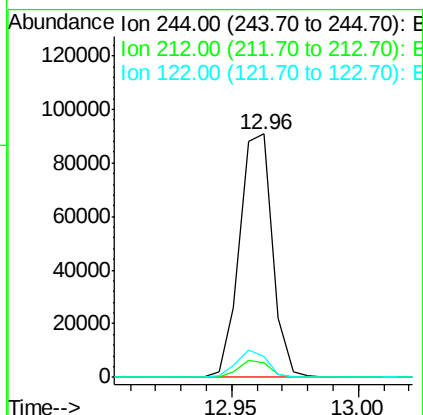
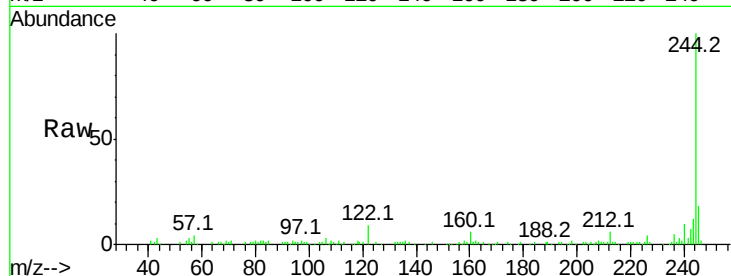




#78
 Terphenyl-d14
 Concen: 16.120 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 81669
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.4 8.0
 122 8.6 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BF101002.D
 Acq: 30 Nov 2017 3:28

Tgt Ion:264 Resp: 90285
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 20.8 17.5 26.3

