

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100875.D
 Acq On : 23 Nov 2017 15:05
 Operator : SJ/JU
 Sample : I6567-07
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

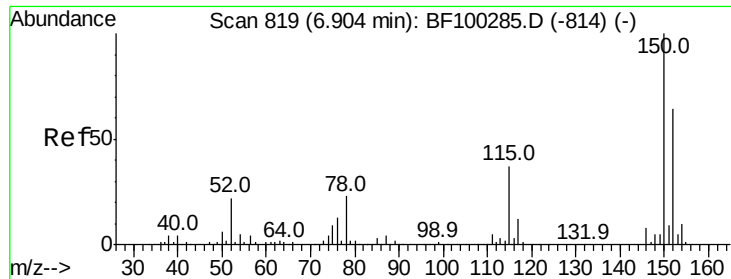
Quant Time: Nov 23 23:56:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	73438	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	280758	20.00	ng	-0.03
38) Acenaphthene-d10	9.89	164	130716	20.00	ng	-0.03
63) Phenanthrene-d10	11.38	188	228407	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	135821	20.00	ng	-0.02
86) Perylene-d12	15.49	264	148957	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	181655	39.65	ng	-0.02
7) Phenol-d6	6.47	99	138145	24.45	ng	-0.04
23) Nitrobenzene-d5	7.42	82	470379	110.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	123096	92.41	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	912978	106.35	ng	-0.02
78) Terphenyl-d14	12.97	244	624233	105.60	ng	-0.02

Target Compounds				Qvalue		
6) Aniline	6.49	93	258	0.032	ng	# 1
9) Benzaldehyde	6.62	77	6806	1.687	ng	88
10) Phenol	6.49	94	11919	2.010	ng	98
11) bis(2-Chloroethyl)ether	6.62	93	312	0.063	ng	# 1
15) Benzyl Alcohol	7.02	79	7240	1.642	ng	# 43
19) n-Nitroso-di-n-propylamine	7.42	70	60027	15.321	ng	# 80
24) Nitrobenzene	7.42	77	1212	0.277	ng	# 35
25) Isophorone	7.42	82	470370	52.709	ng	# 64
45) 1,1'-Biphenyl	9.22	154	1484	0.131	ng	# 1
47) 2-Nitroaniline	9.22	65	1333	3.302	ng	# 3
49) Dimethylphthalate	9.60	163	2348	0.235	ng	# 77
50) 2,6-Dinitrotoluene	9.89	165	16401	8.302	ng	# 24
51) Acenaphthene	9.90	154	329	0.040	ng	# 4
56) 2,4-Dinitrotoluene	9.89	165	16401	6.581	ng	# 21
57) Fluorene	10.68	166	5422	0.639	ng	# 70
59) Diethylphthalate	10.30	149	1776	0.178	ng	# 82
62) Azobenzene	10.68	77	515	0.055	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.68	198	110	8.648	ng	# 1
65) n-Nitrosodiphenylamine	10.68	169	3524	0.444	ng	# 41
66) 4-Bromophenyl-phenylether	10.68	248	7647	3.123	ng	# 1
70) Phenanthrene	11.40	178	141	0.012	ng	# 59
71) Anthracene	11.40	178	141	0.012	ng	# 60
73) Di-n-butylphthalate	11.93	149	1634	0.124	ng	# 78
76) Benzidine	12.97	184	7481	1.375	ng	95
77) Pyrene	12.97	202	1832	0.189	ng	# 49
80) Benzo(a)anthracene	14.02	228	236	0.029	ng	# 51
82) Chrysene	14.04	228	144	0.018	ng	# 48
83) Bis(2-ethylhexyl)phthalate	13.99	149	858	0.165	ng	# 53
87) Benzo(b)fluoranthene	15.06	252	241	0.027	ng	# 60
88) Benzo(k)fluoranthene	15.08	252	301	0.036	ng	# 59
89) Benzo(a)pyrene	15.49	252	439	0.056	ng	# 60

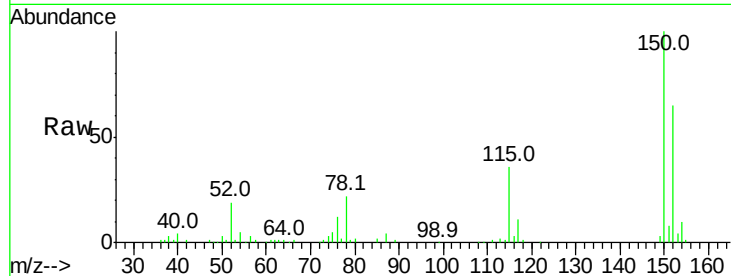
(#) = qualifier out of range (m) = manual integration (+) = signals summed



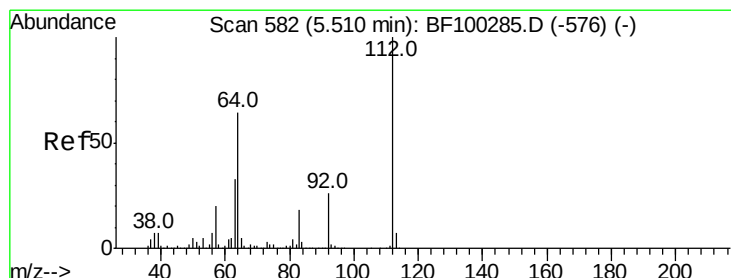
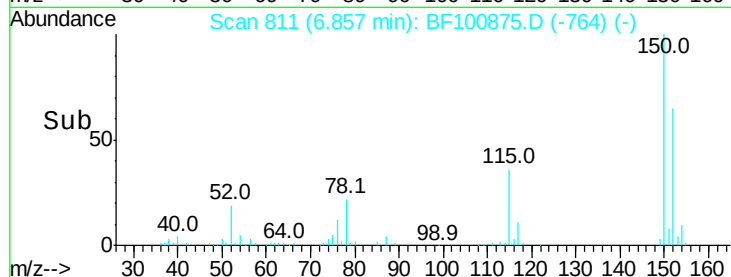
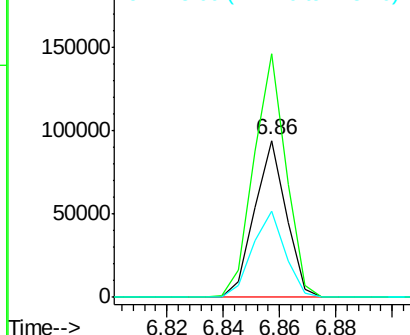
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 73438
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.6 186.8
 115 55.2 50.1 75.1

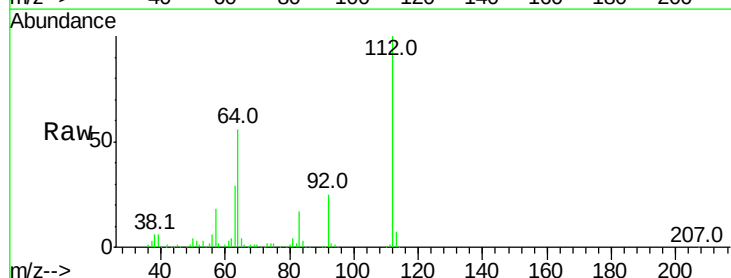


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

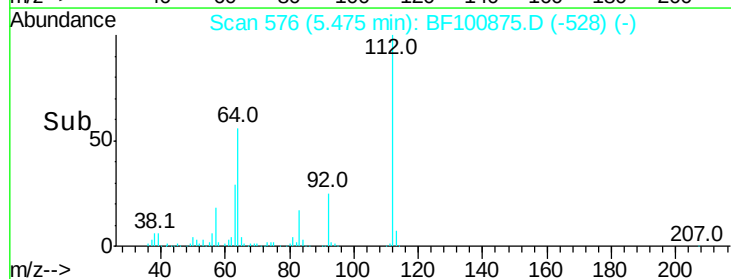
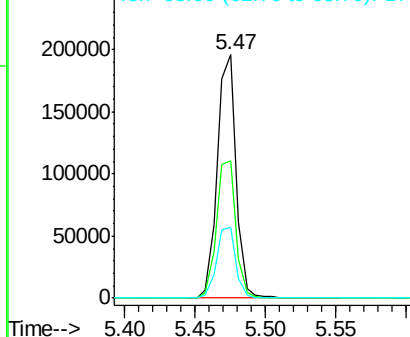


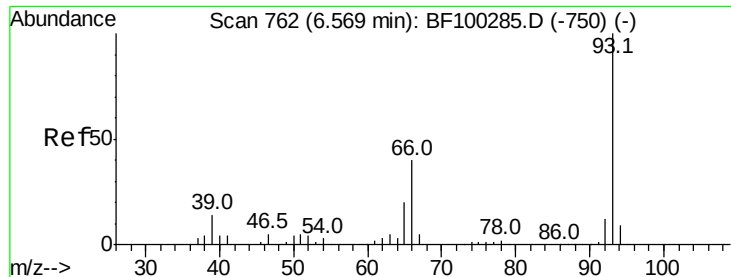
#5
 2-Fluorophenol
 Concen: 39.651 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Tgt Ion:112 Resp: 181655
 Ion Ratio Lower Upper
 112 100
 64 56.2 47.9 71.9
 63 29.2 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





#6

Aniline

Concen: 0.032 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.06 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :

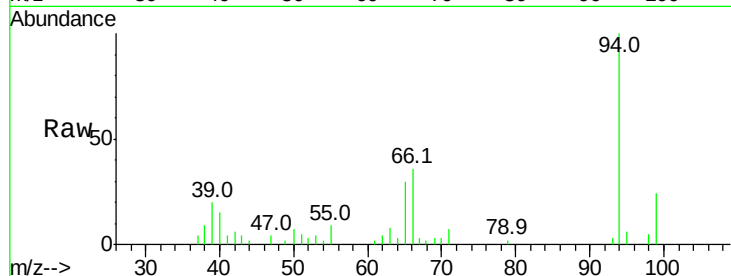
Tot Ion: 93 Resp: 258

Ion Ratio Lower Upper

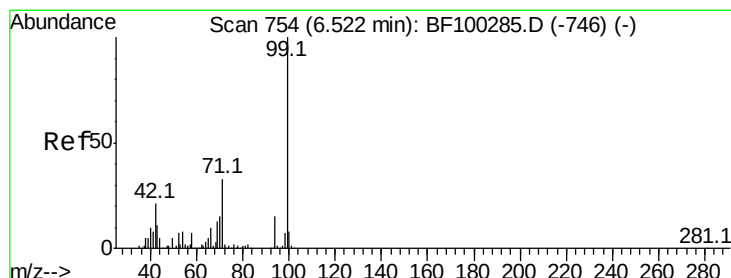
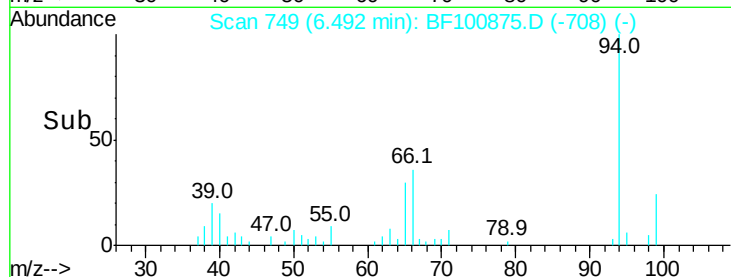
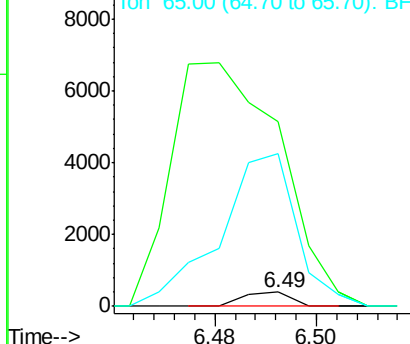
93 100

66 1308.4 32.2 48.2#

65 1084.7 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 24.453 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.04 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

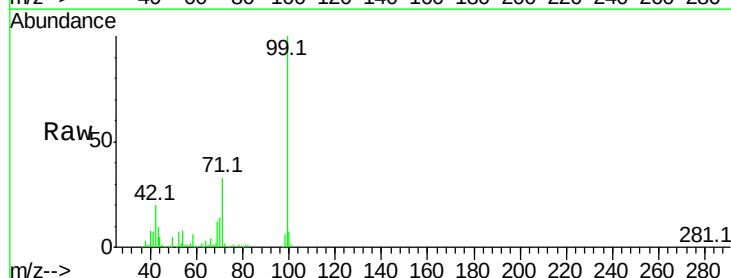
Tgt Ion: 99 Resp: 138145

Ion Ratio Lower Upper

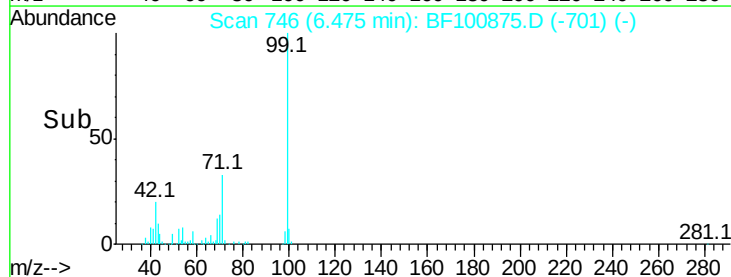
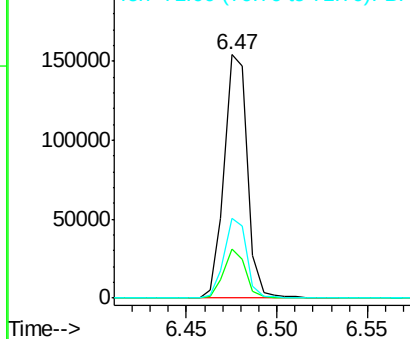
99 100

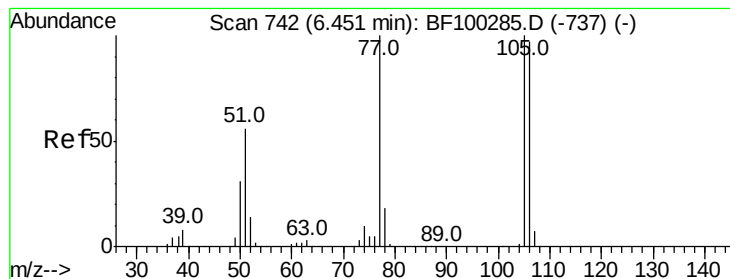
42 20.3 14.5 21.7

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





#9

Benzaldehyde

Concen: 1.687 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.19 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampled :

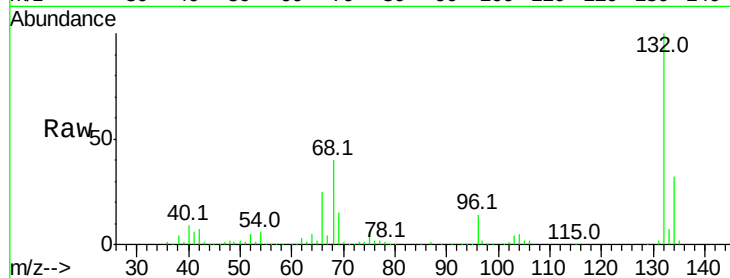
Tot Ion: 77 Resp: 6806

Ion Ratio Lower Upper

77 100

105 83.2 81.1 121.1

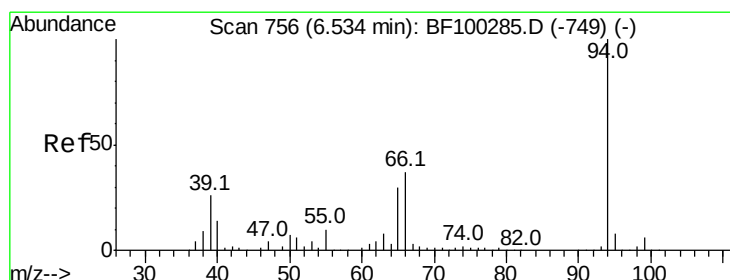
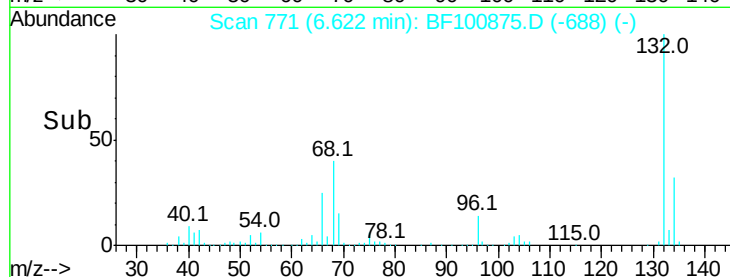
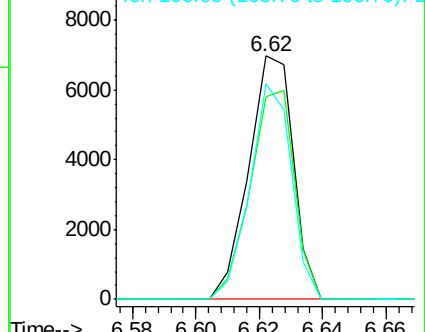
106 88.6 74.5 114.5



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



#10

Phenol

Concen: 2.010 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

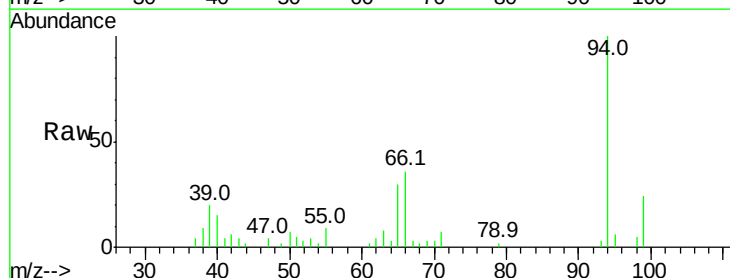
Tgt Ion: 94 Resp: 11919

Ion Ratio Lower Upper

94 100

65 29.8 7.9 47.9

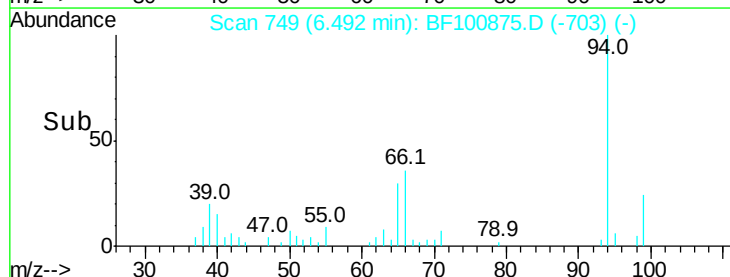
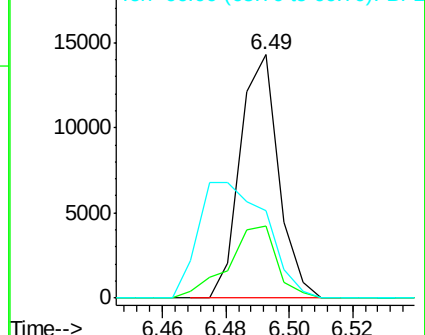
66 35.9 16.2 56.2

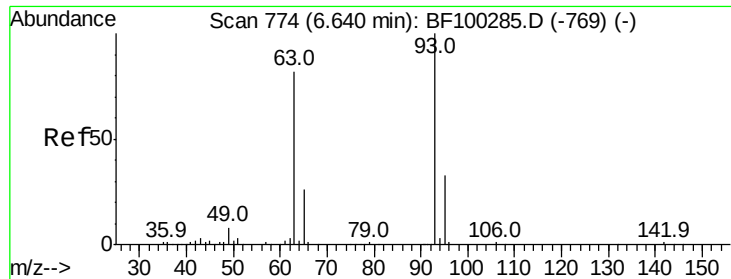


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.063 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.00 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :

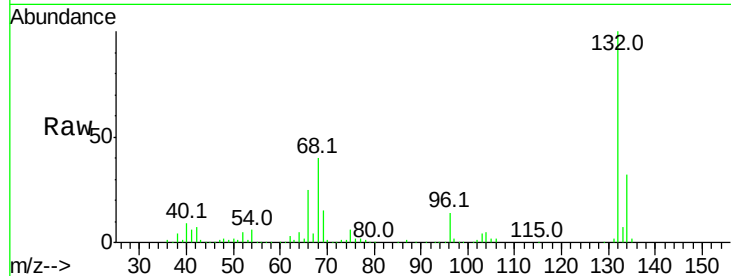
Tot Ion: 93 Resp: 312

Ion Ratio Lower Upper

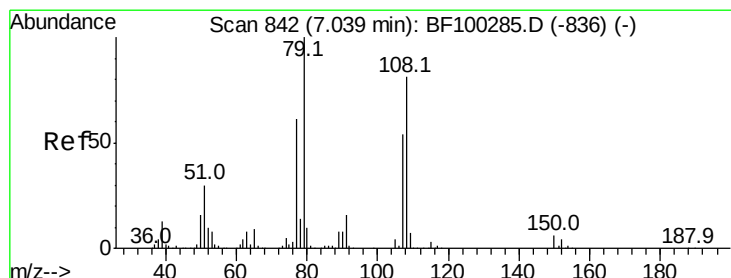
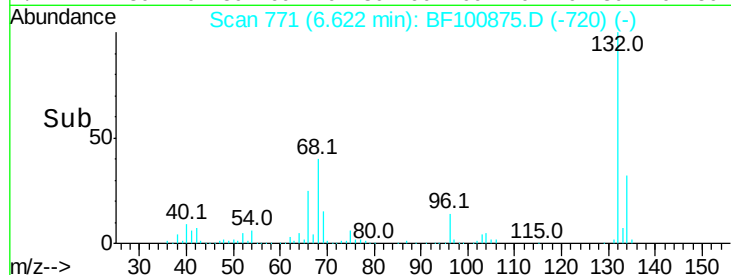
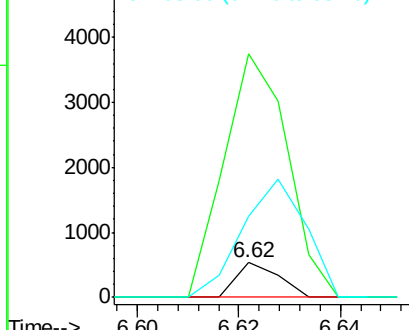
93 100

63 700.2 58.6 98.6#

95 233.1 11.8 51.8#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#15

Benzyl Alcohol

Concen: 1.642 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

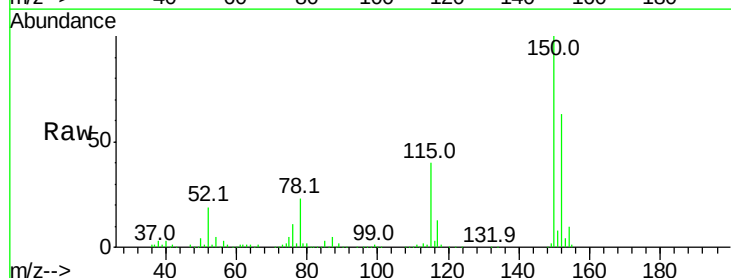
Tgt Ion: 79 Resp: 7240

Ion Ratio Lower Upper

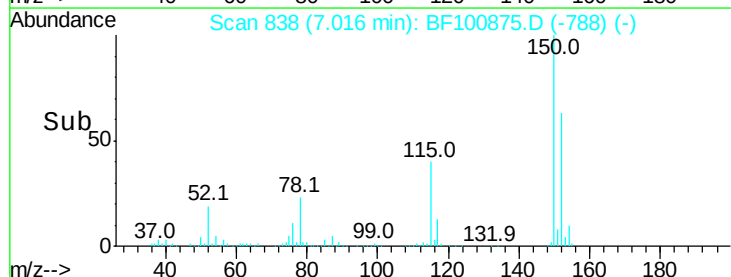
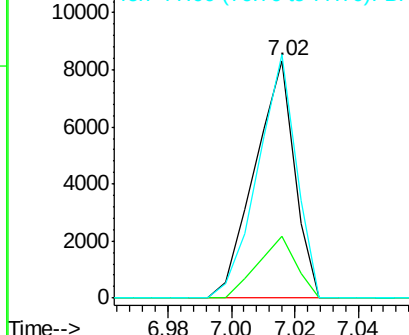
79 100

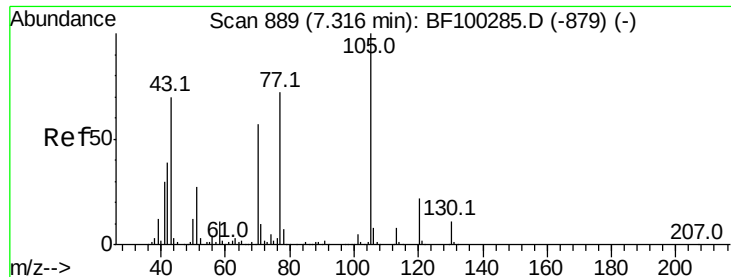
108 26.3 65.1 97.7#

77 102.5 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

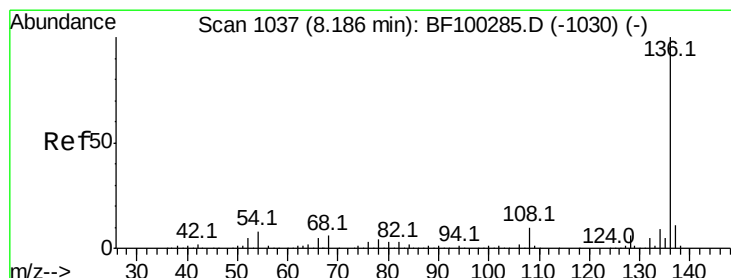
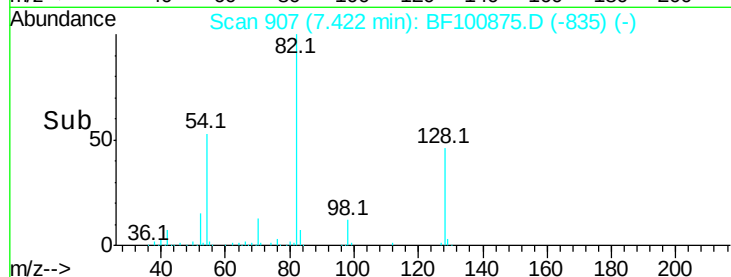
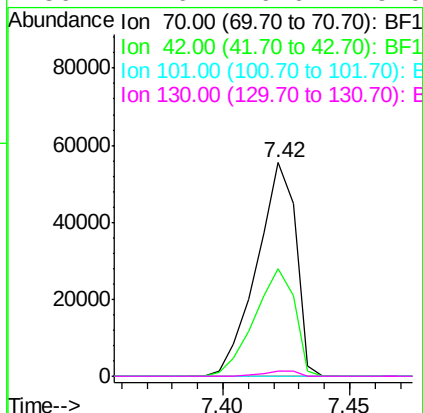
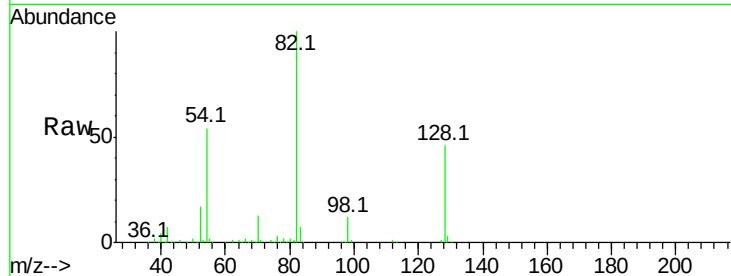




#19
n-Nitroso-di-n-propylamine
Concen: 15.321 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.12 min
Lab File: BF100875.D
Acq: 23 Nov 2017 15:05

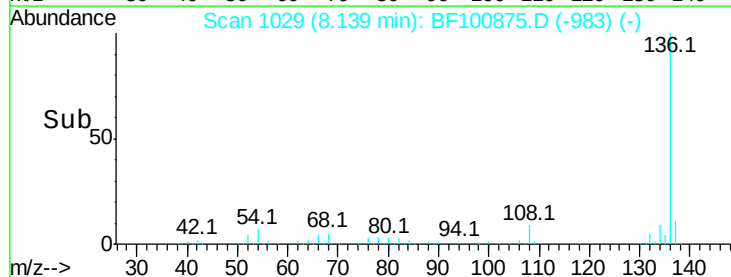
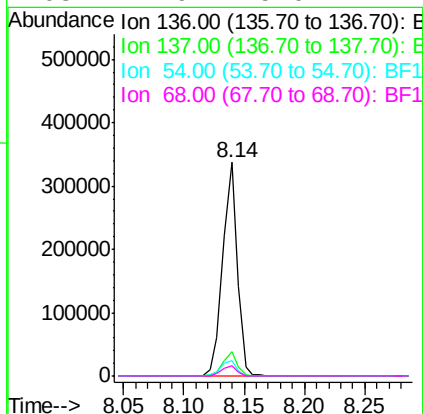
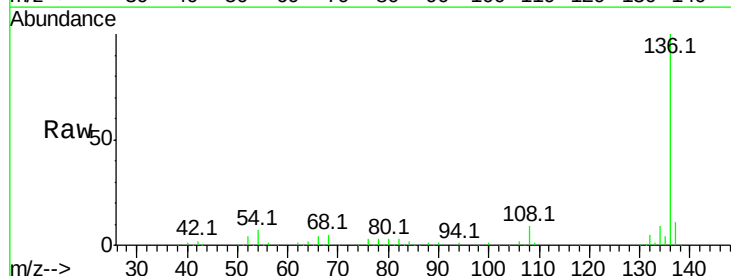
Instrument :
BNA_F
ClientSampleId :

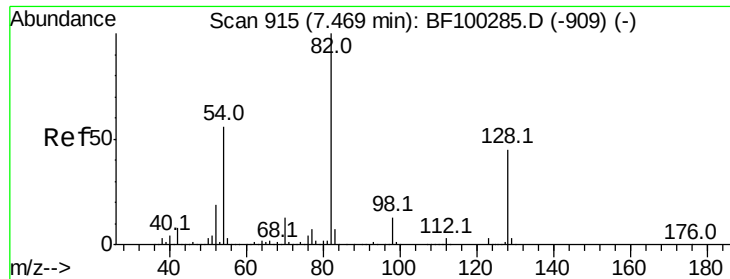
Tot Ion: 70 Resp: 60027
Ion Ratio Lower Upper
70 100
42 50.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100875.D
Acq: 23 Nov 2017 15:05

Tgt Ion: 136 Resp: 280758
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.1 6.6 9.8
68 4.9 5.0 7.4#

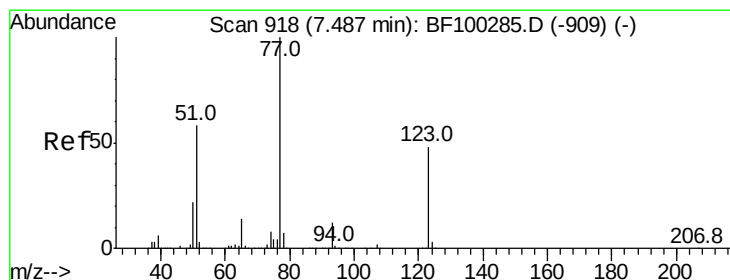
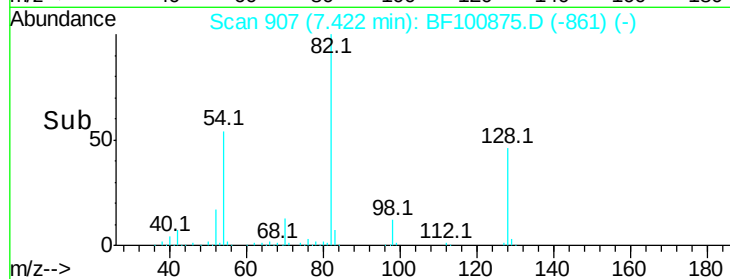
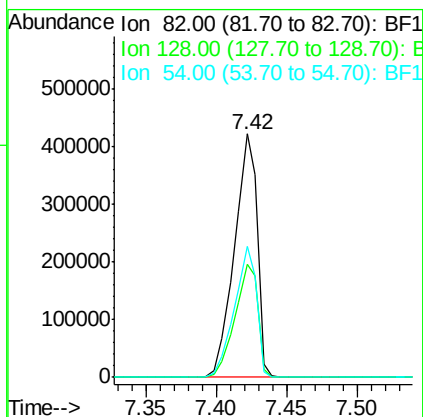
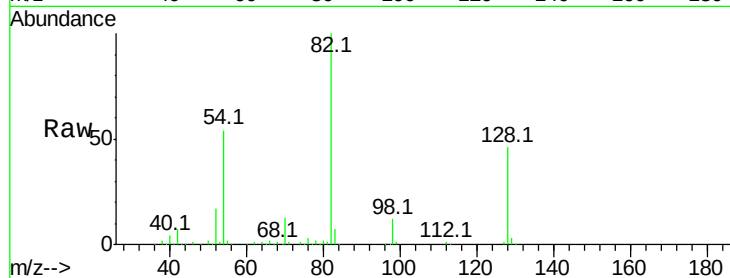




#23
 Nitrobenzene-d5
 Concen: 110.766 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.03 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

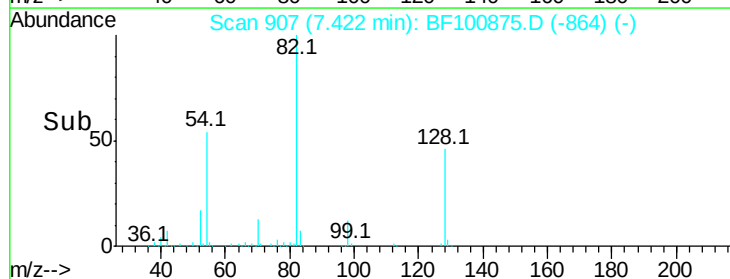
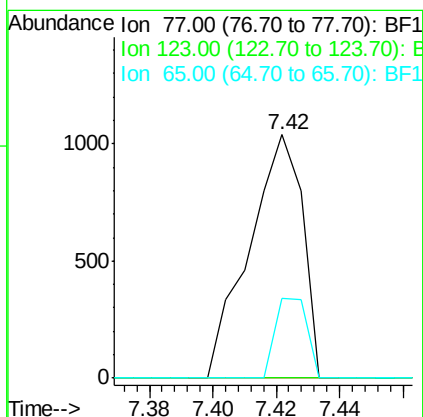
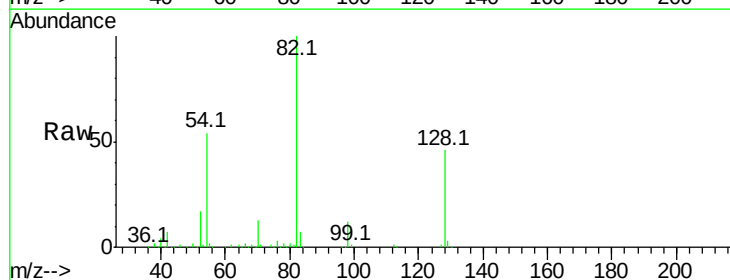
Instrument :
 BNA_F
 ClientSampled :

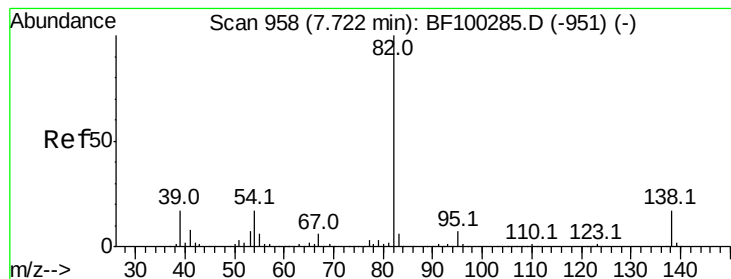
Tot Ion: 82 Resp: 470379
 Ion Ratio Lower Upper
 82 100
 128 46.3 36.1 54.1
 54 53.7 41.4 62.2



#24
 Nitrobenzene
 Concen: 0.277 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Tgt Ion: 77 Resp: 1212
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 32.8 11.0 16.4#





#25

Isophorone

Concen: 52.709 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampled :

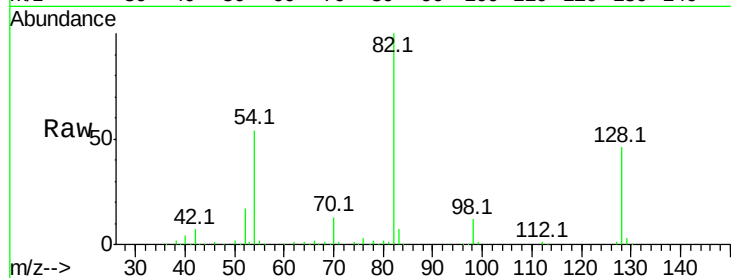
Tot Ion: 82 Resp: 470370

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

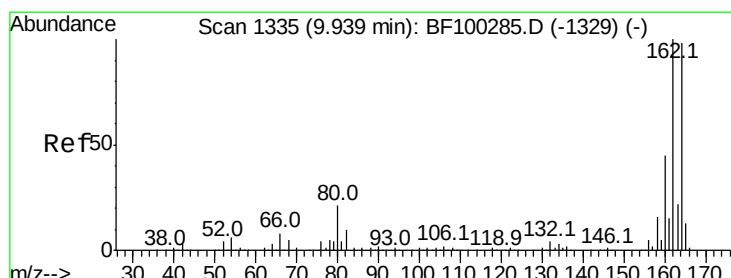
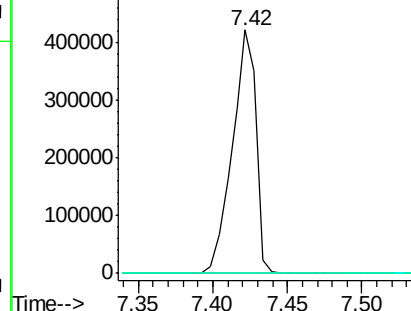
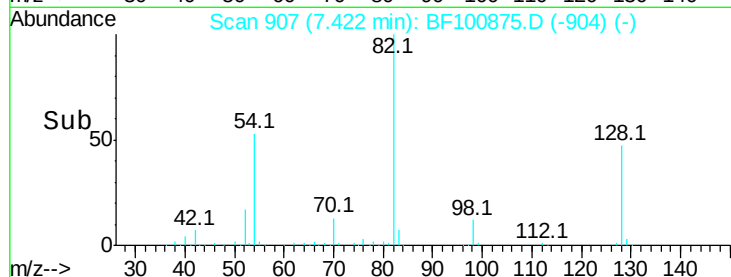
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.03 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

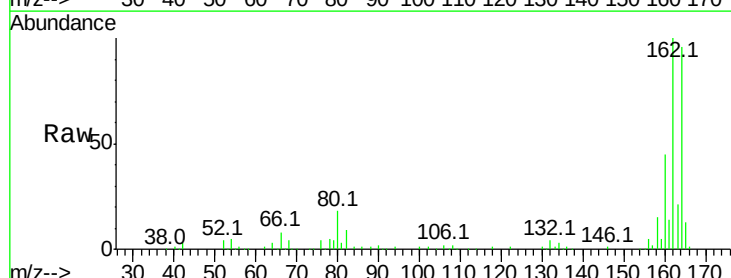
Tgt Ion:164 Resp: 130716

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

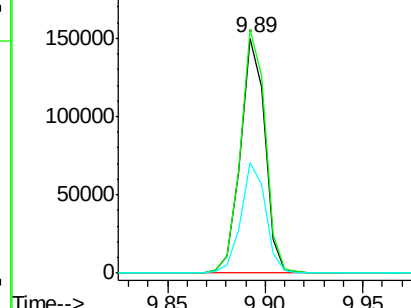
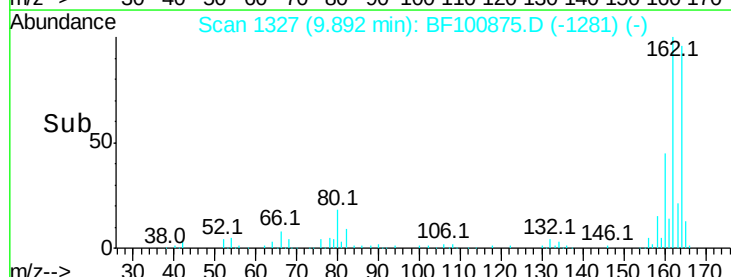
160 47.1 38.3 57.5

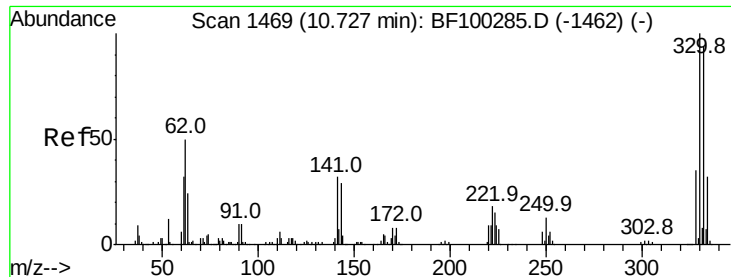


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

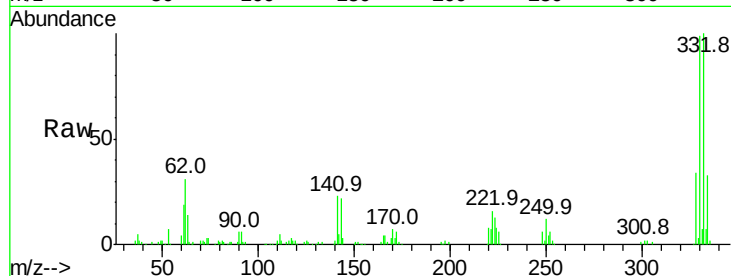




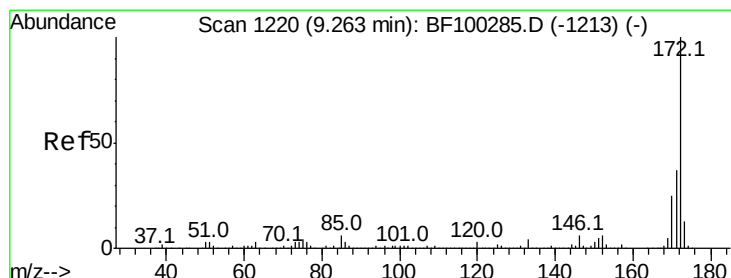
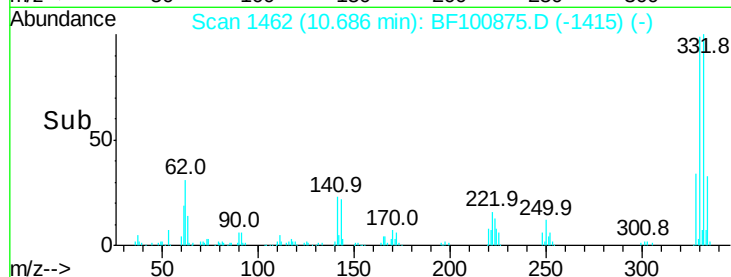
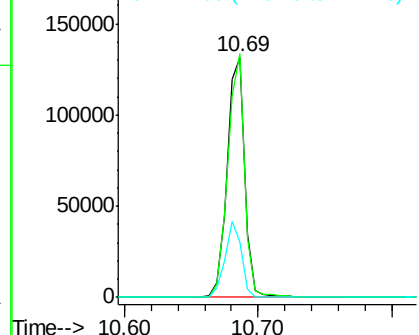
#41
 2,4,6-Tribromophenol
 Concen: 92.415 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	29.6	29.9	44.9#

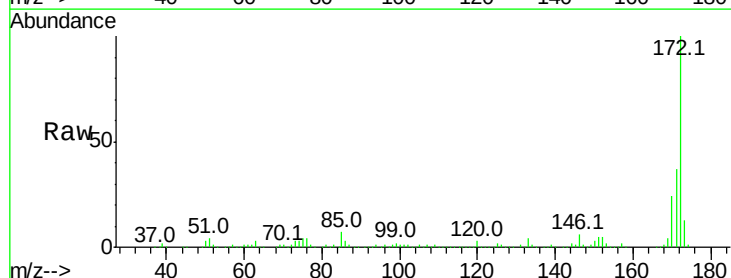


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

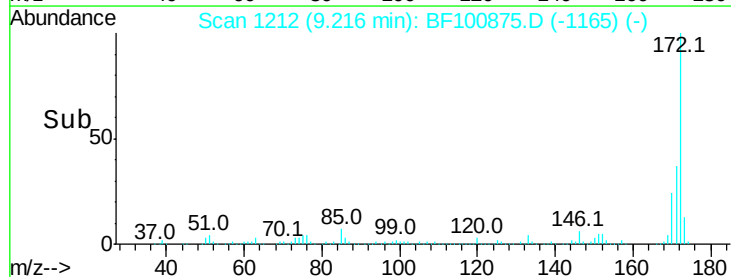
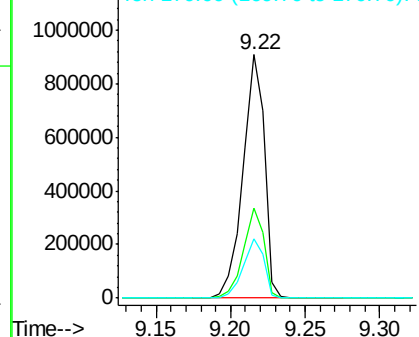


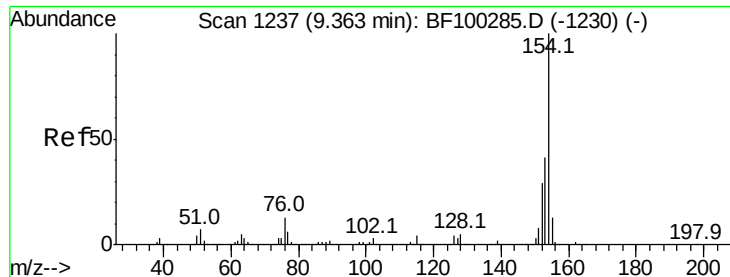
#44
 2-Fluorobiphenyl
 Concen: 106.353 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.4	19.6	29.4



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





#45

1,1'-Biphenyl

Concen: 0.131 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.13 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :

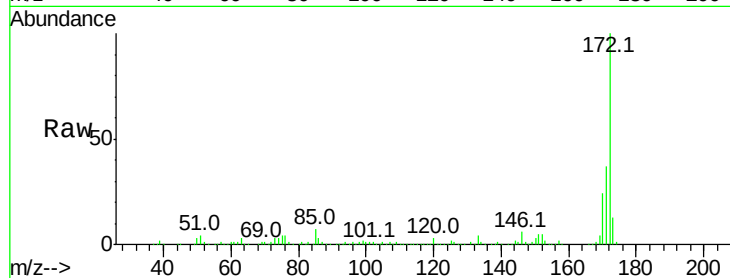
Tot Ion:154 Resp: 1484

Ion Ratio Lower Upper

154 100

153 1153.9 21.3 61.3#

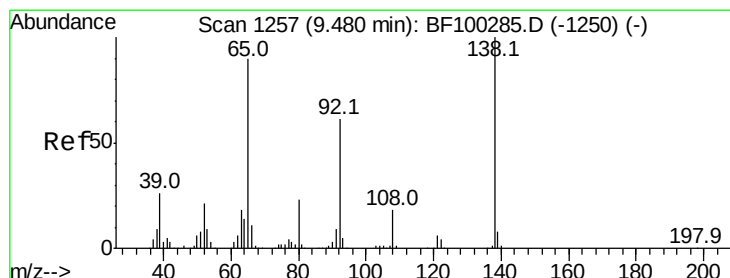
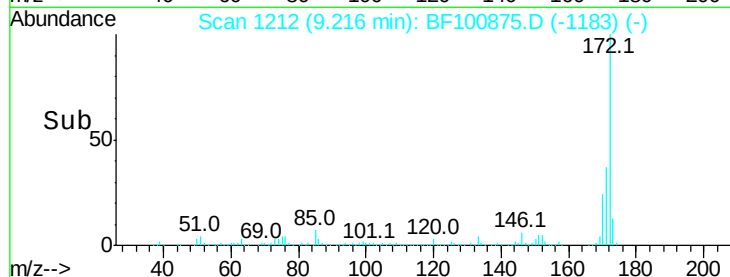
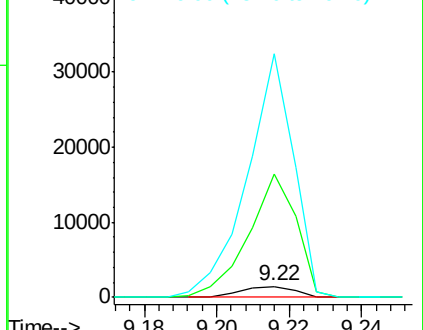
76 2286.7 0.0 34.0#



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: 3.302 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.25 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

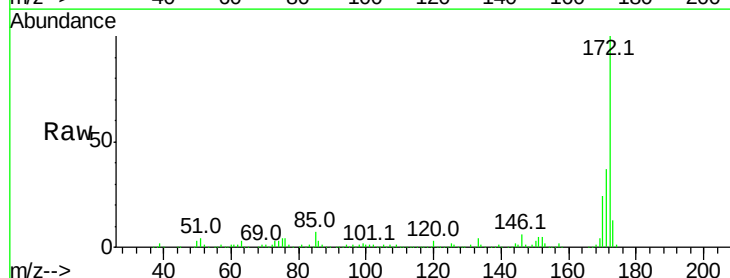
Tgt Ion: 65 Resp: 1333

Ion Ratio Lower Upper

65 100

92 182.9 55.8 83.6#

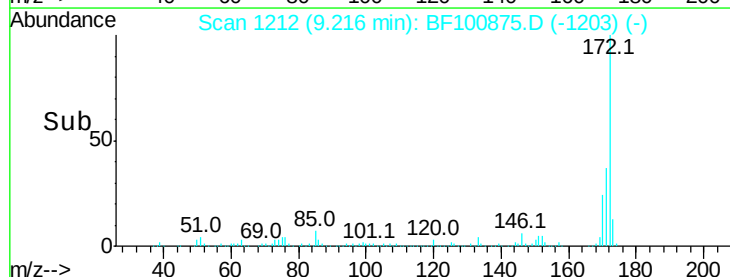
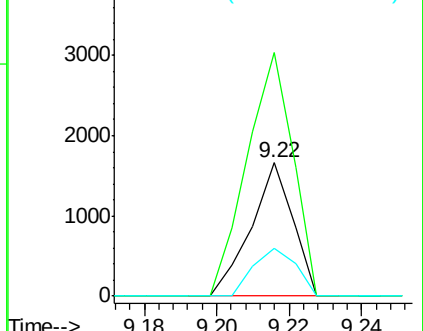
138 36.3 91.2 136.8#

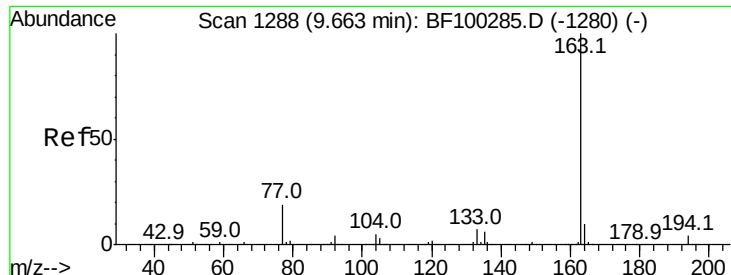


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 0.235 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.04 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :

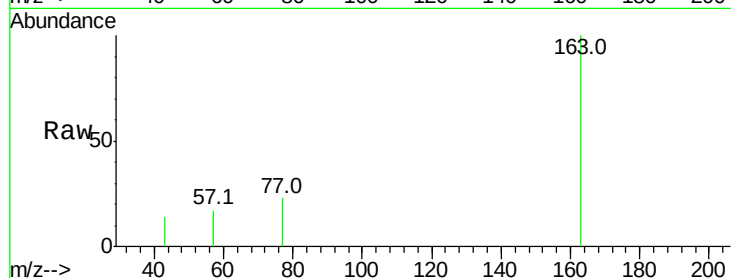
Tot Ion:163 Resp: 2348

Ion Ratio Lower Upper

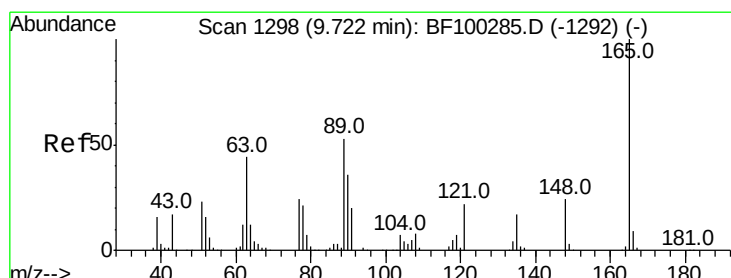
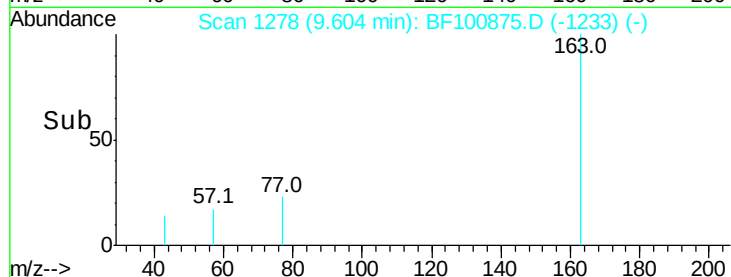
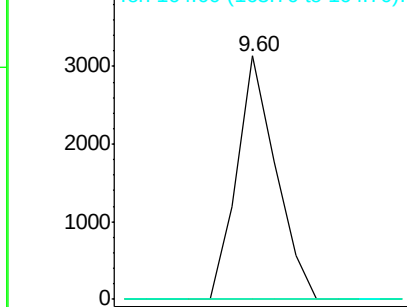
163 100

194 0.0 2.7 4.1#

164 0.0 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



#50

2,6-Dinitrotoluene

Concen: 8.302 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.19 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

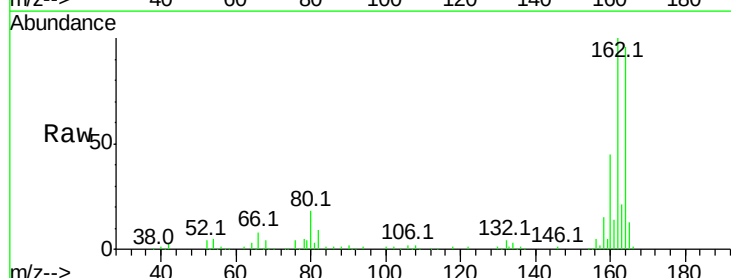
Tgt Ion:165 Resp: 16401

Ion Ratio Lower Upper

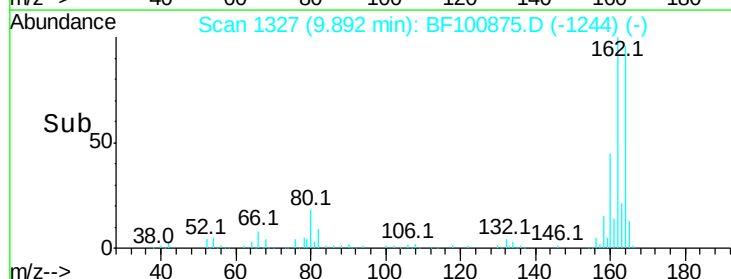
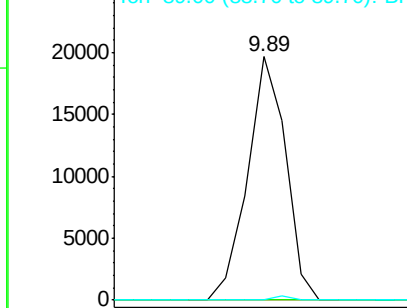
165 100

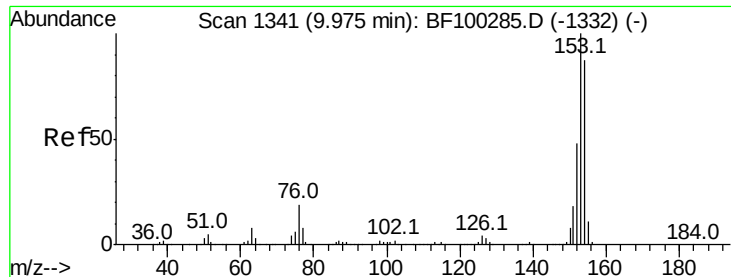
63 0.0 44.7 67.1#

89 0.0 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





#51

Acenaphthene

Concen: 0.040 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.06 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :

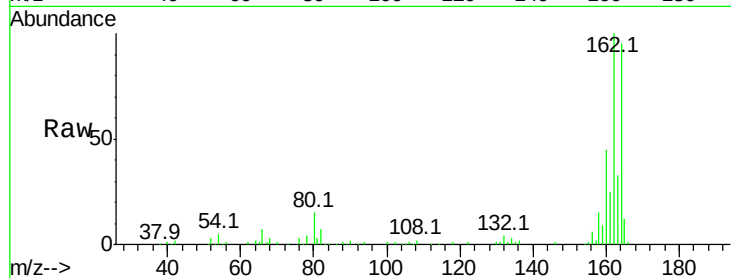
Tot Ion:154 Resp: 329

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

152 0.0 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

9.90

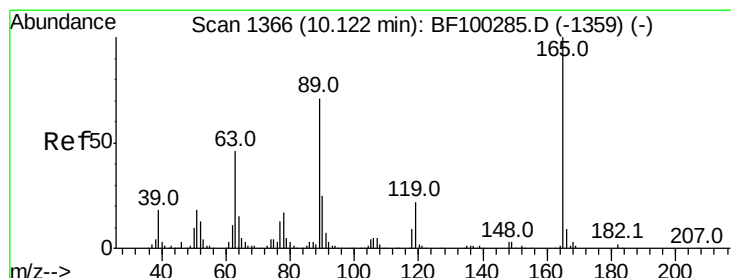
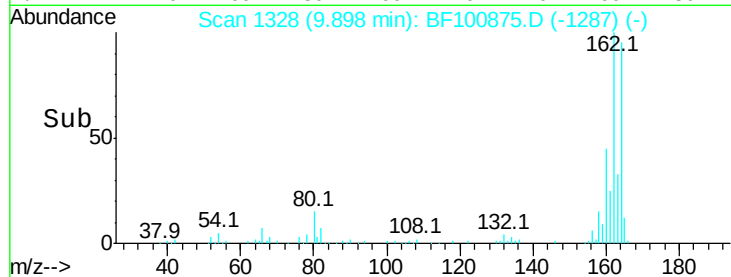
400

200

0

9.88 9.90 9.92

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.581 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.22 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Tgt Ion:165 Resp: 16401

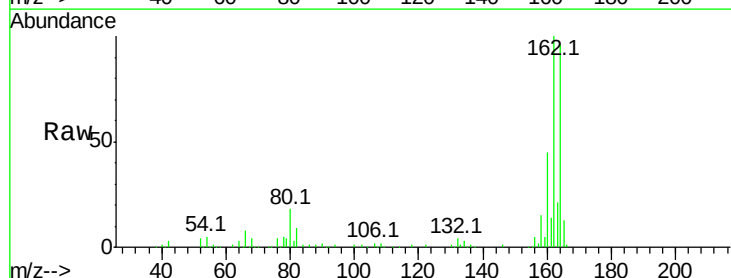
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

9.89

30000

25000

20000

15000

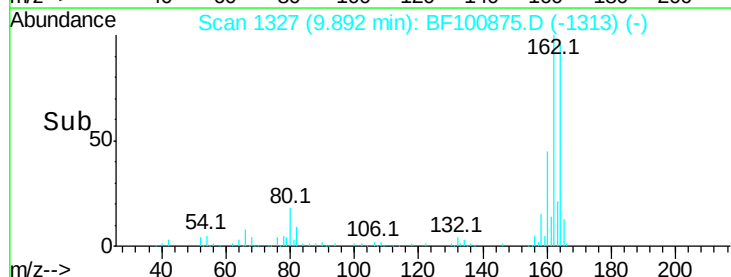
10000

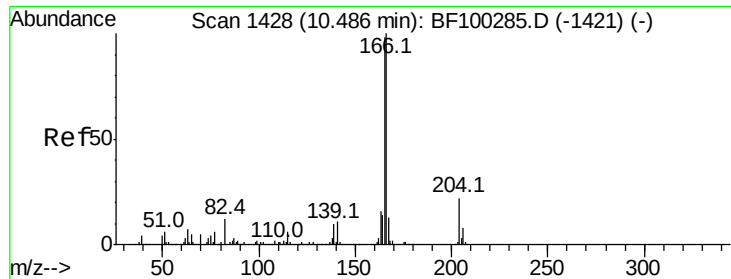
5000

0

9.86 9.88 9.90 9.92

Time-->

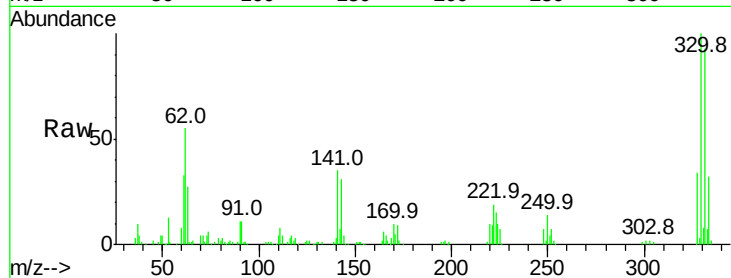




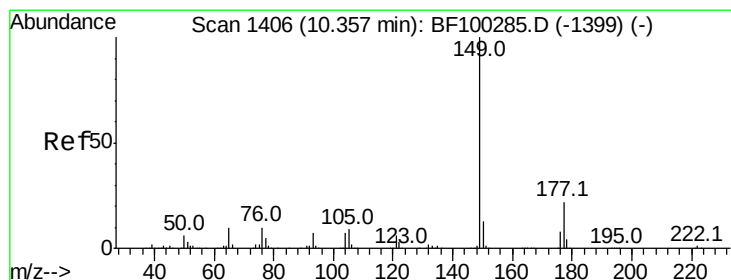
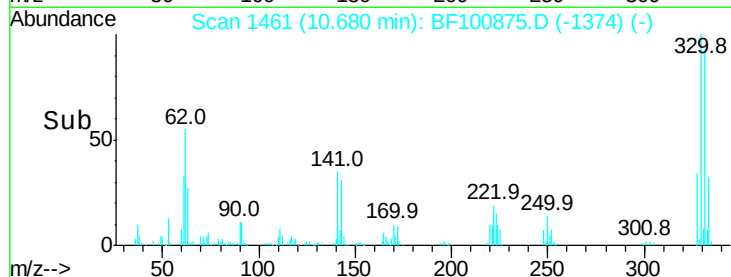
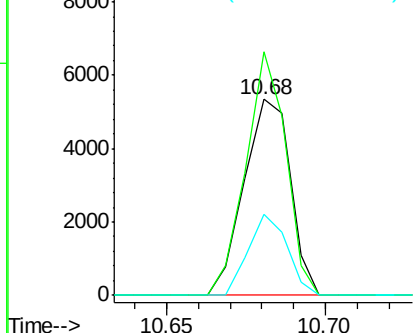
#57
 Fluorene
 Concen: 0.639 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.21 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 5422
 Ion Ratio Lower Upper
 166 100
 165 124.4 79.8 119.8#
 167 41.6 10.6 16.0#

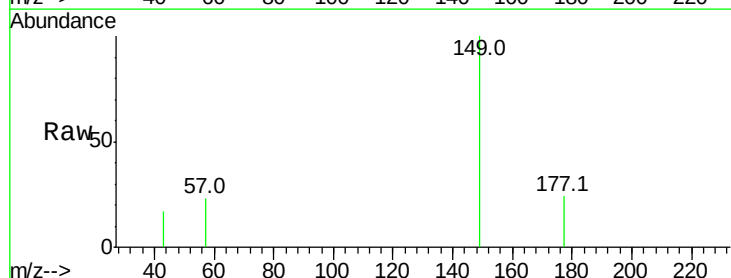


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

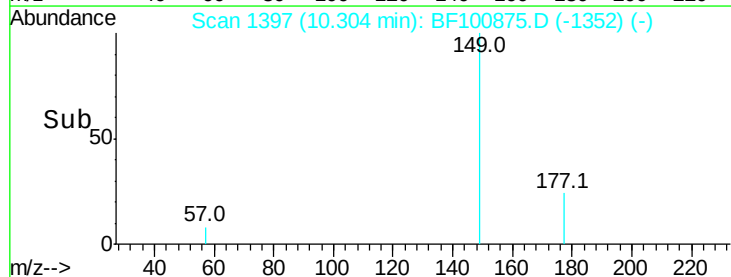
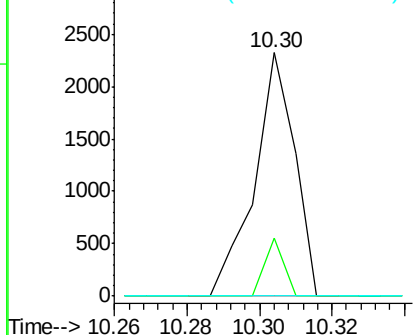


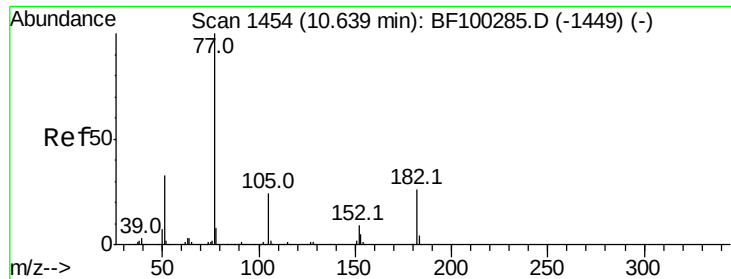
#59
 Diethylphthalate
 Concen: 0.178 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.04 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Tgt Ion:149 Resp: 1776
 Ion Ratio Lower Upper
 149 100
 177 24.1 16.1 24.1
 150 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.055 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.06 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 515

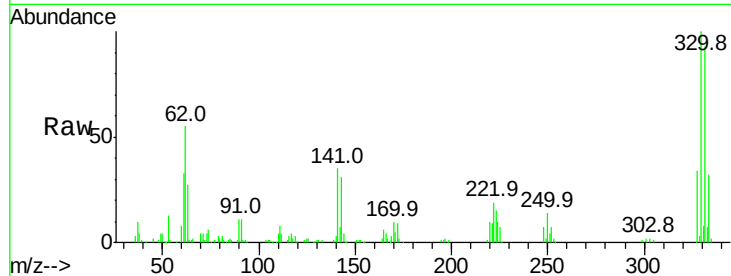
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 101.8 3.0 43.0#

51 92.1 9.9 49.9#

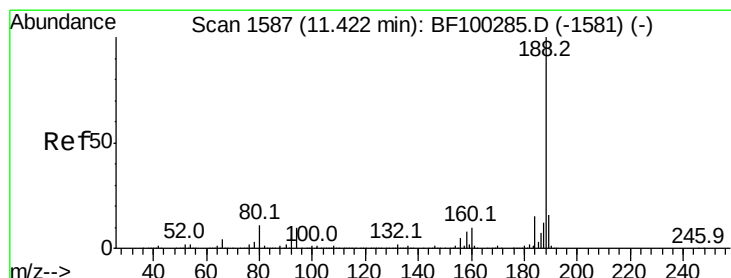
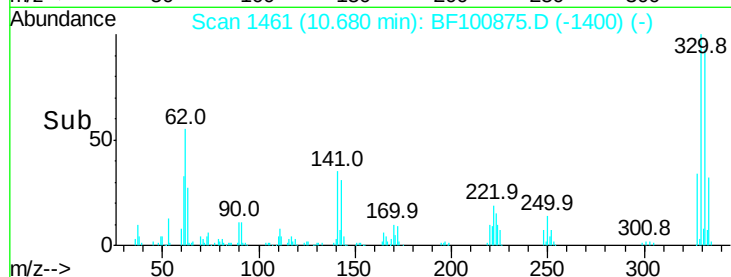
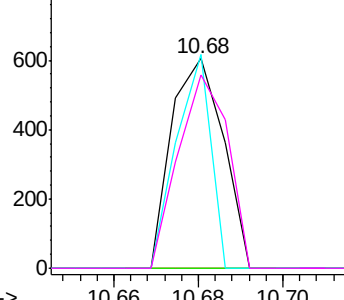


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

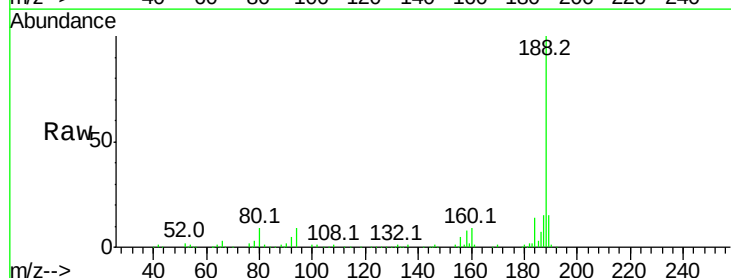
Tgt Ion: 188 Resp: 228407

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

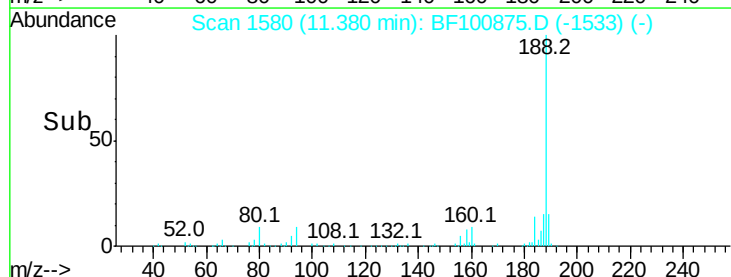
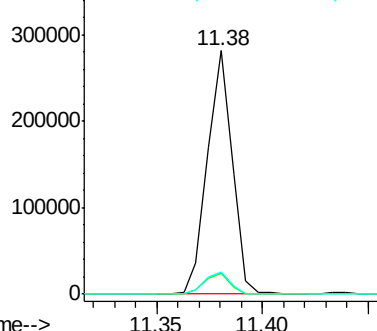
80 9.1 9.2 13.8#

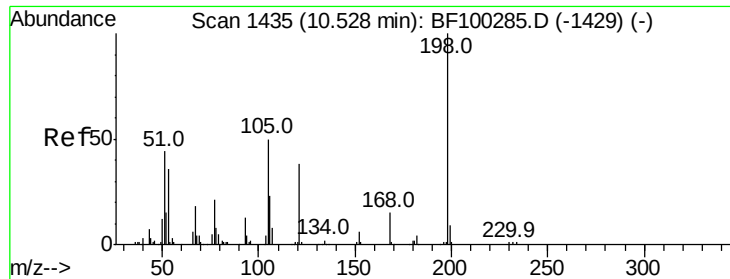


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

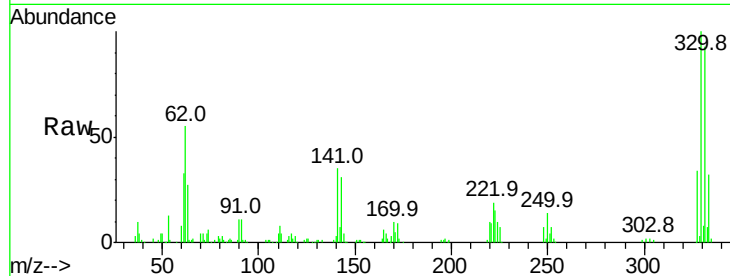




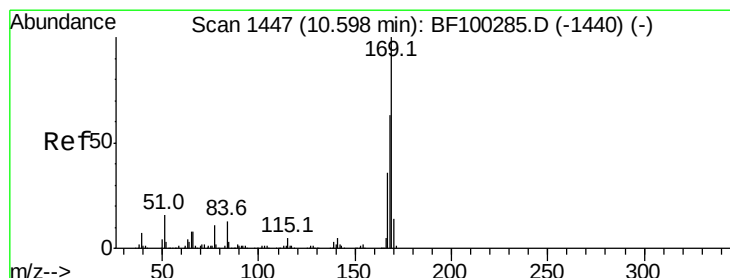
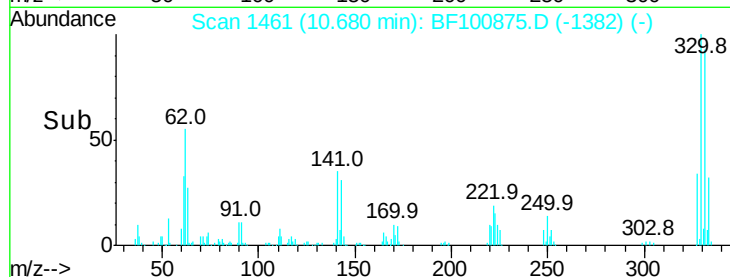
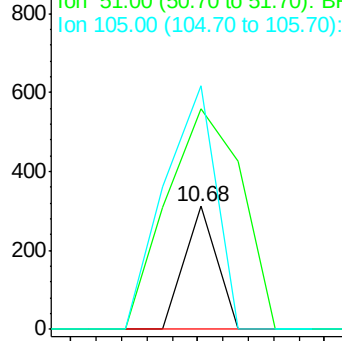
#64
4,6-Dinitro-2-methylphenol
Concen: 8.648 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.16 min
Lab File: BF100875.D
Acq: 23 Nov 2017 15:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 178.8 37.7 77.7#
105 197.8 36.3 76.3#

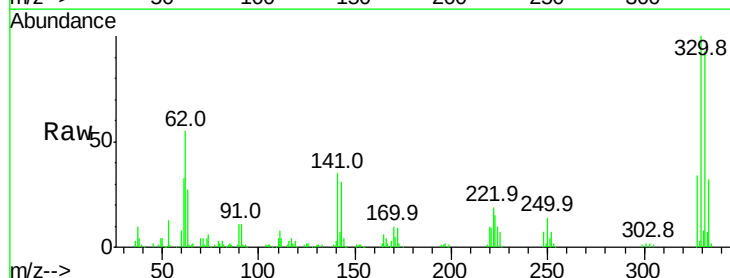


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

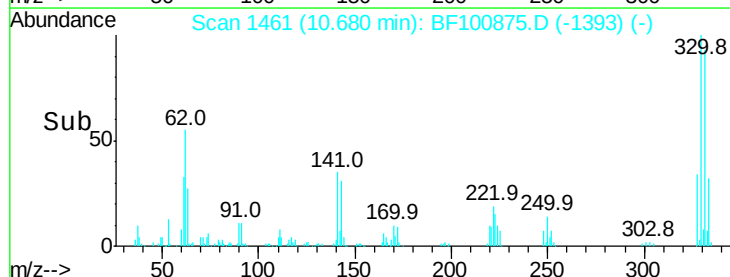
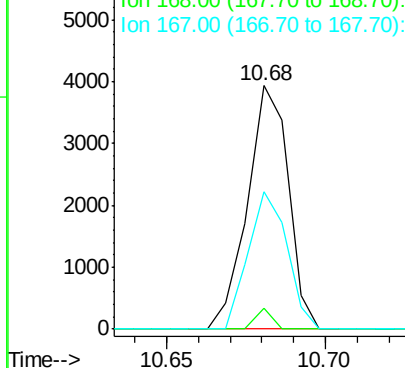


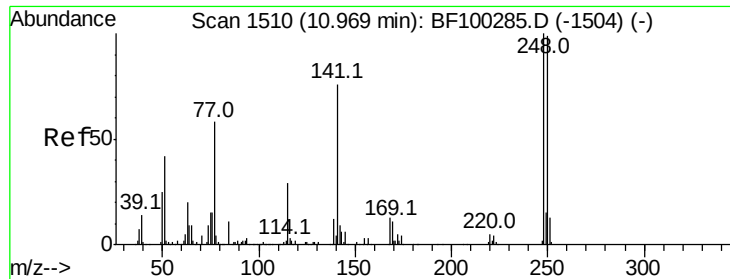
#65
n-Nitrosodiphenylamine
Concen: 0.444 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.10 min
Lab File: BF100875.D
Acq: 23 Nov 2017 15:05

Tgt Ion:169 Resp: 3524
Ion Ratio Lower Upper
169 100
168 8.7 54.4 81.6#
167 56.4 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

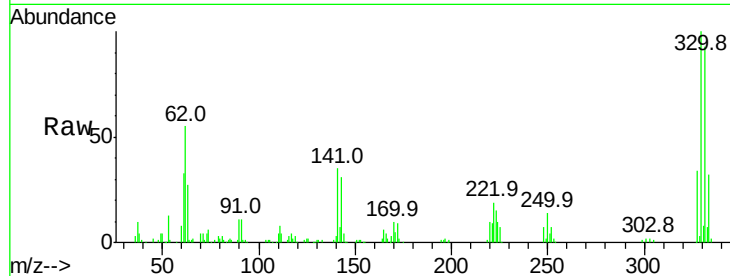




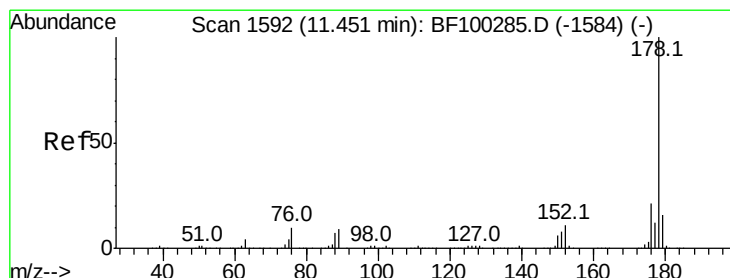
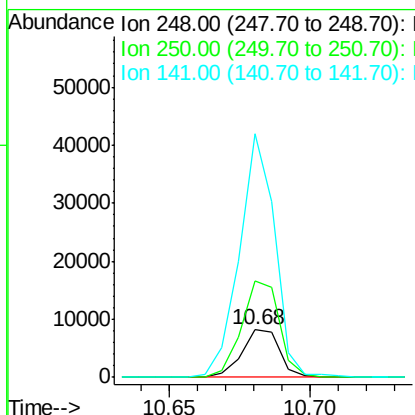
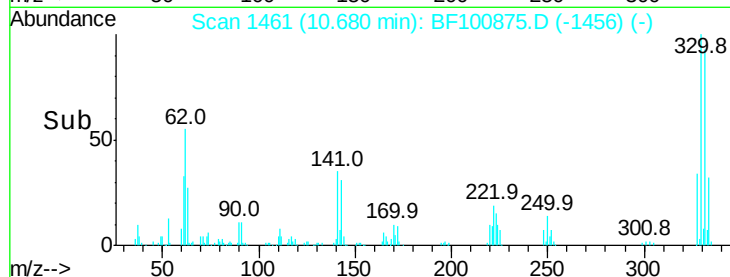
#66
 4-Bromophenyl-phenylether
 Concen: 3.123 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.27 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7647
 Ion Ratio Lower Upper
 248 100
 250 202.2 76.9 115.3#
 141 514.0 74.4 111.6#

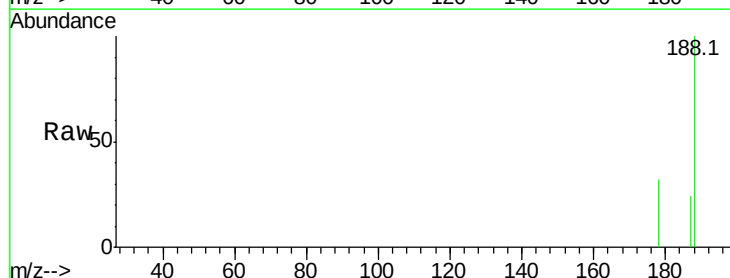


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

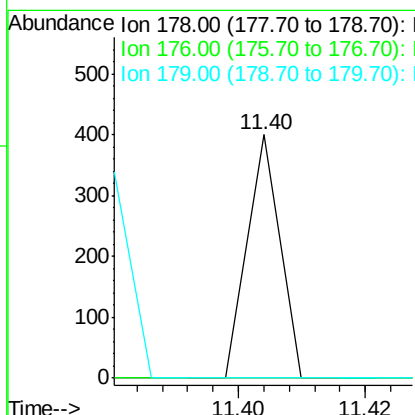
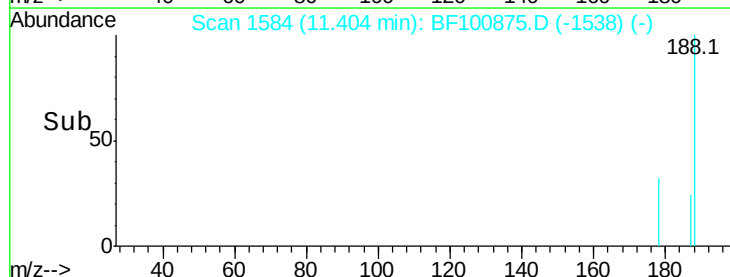


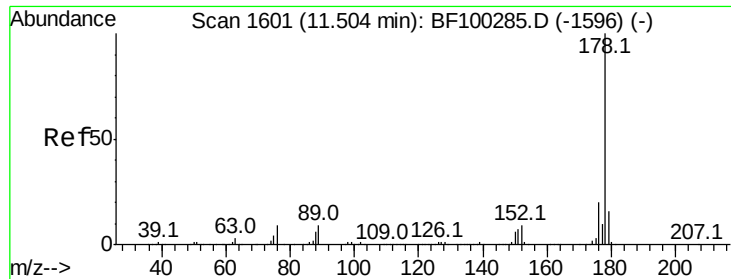
#70
 Phenanthrene
 Concen: 0.012 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.03 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Tgt Ion:178 Resp: 141
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.8 23.8#
 179 0.0 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

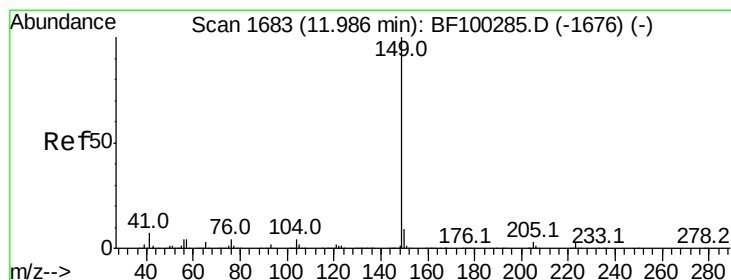
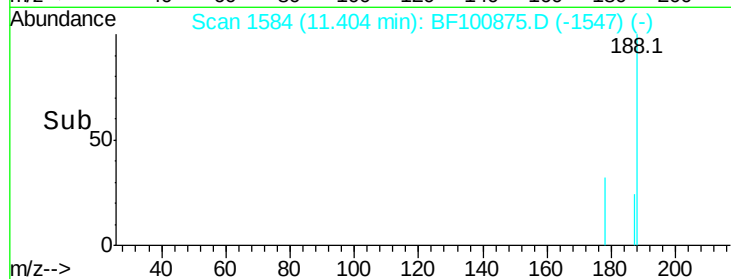
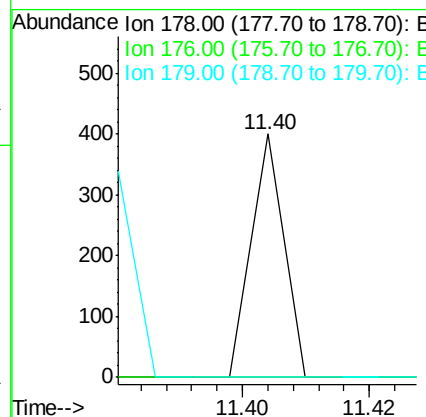
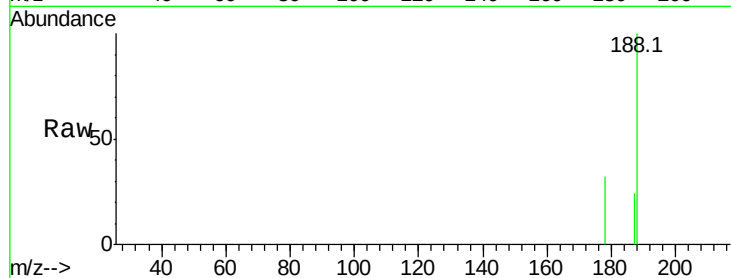




#71
 Anthracene
 Concen: 0.012 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.08 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

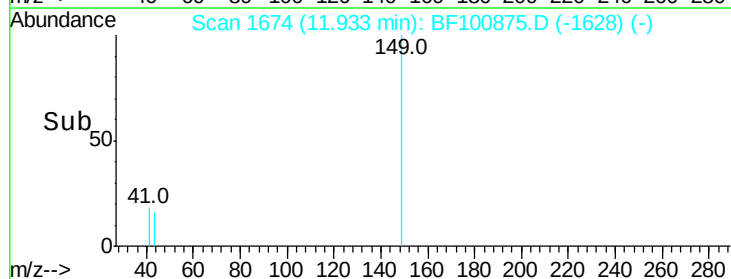
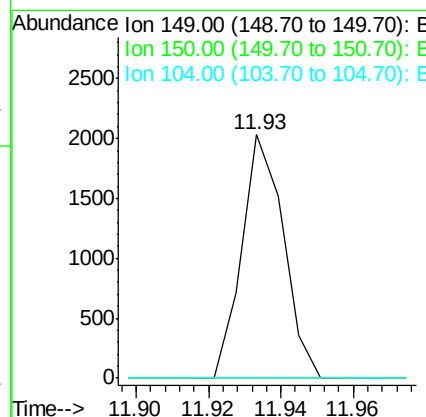
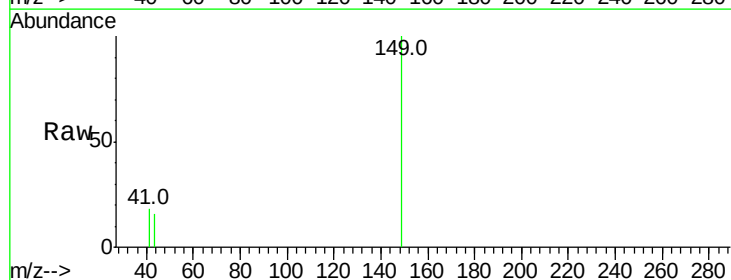
Instrument :
 BNA_F
 ClientSampled :

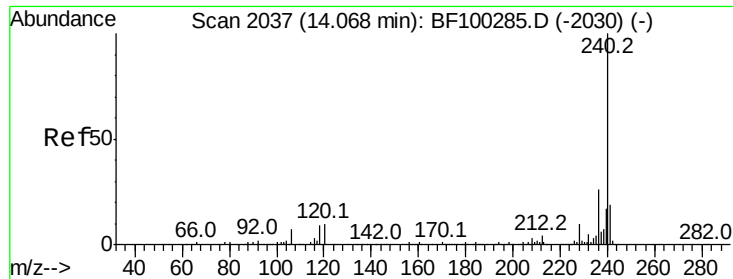
Tot Ion:178 Resp: 141
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.4 23.2#
 179 0.0 12.6 19.0#



#73
 Di-n-butylphthalate
 Concen: 0.124 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.03 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Tgt Ion:149 Resp: 1634
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.8 5.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :

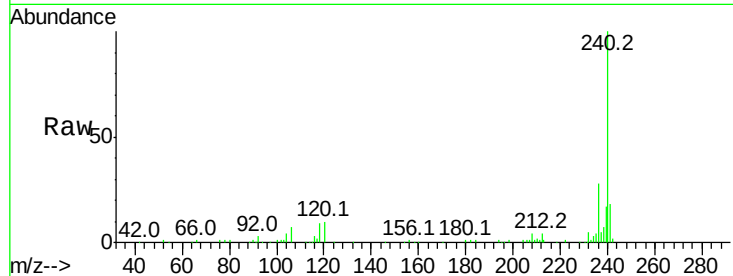
Tot Ion:240 Resp: 135821

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

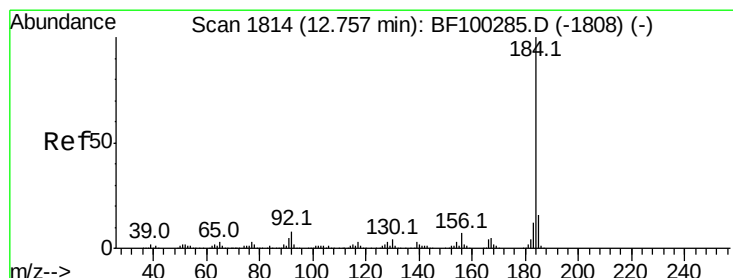
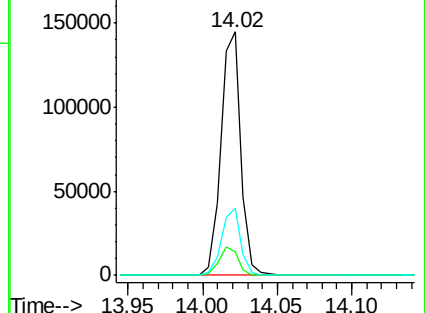
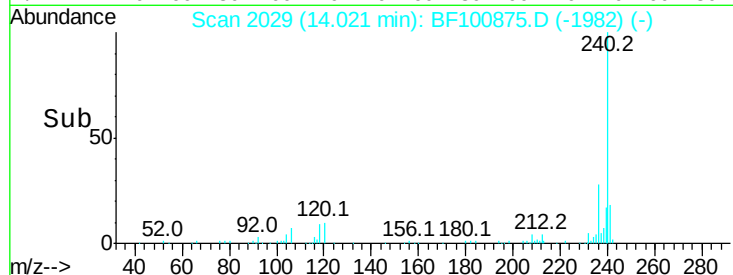
236 27.5 20.7 31.1



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



#76

Benzidine

Concen: 1.375 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.23 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

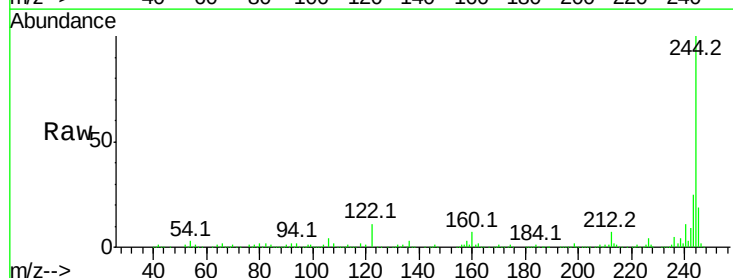
Tgt Ion:184 Resp: 7481

Ion Ratio Lower Upper

184 100

185 17.7 12.6 18.8

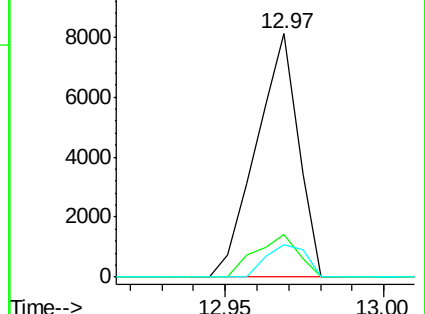
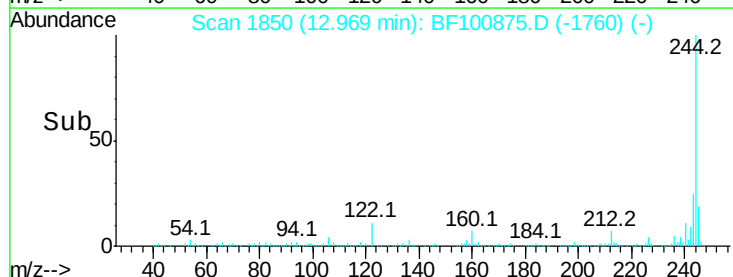
183 13.5 9.3 13.9

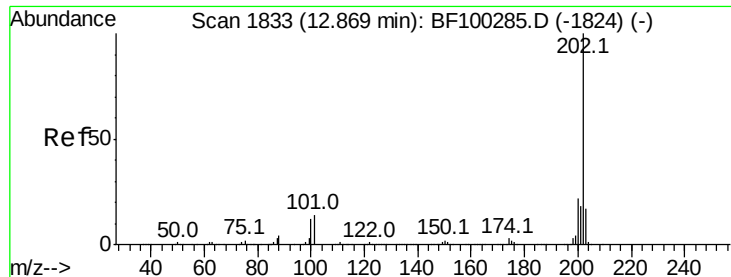


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.189 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.12 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampled :

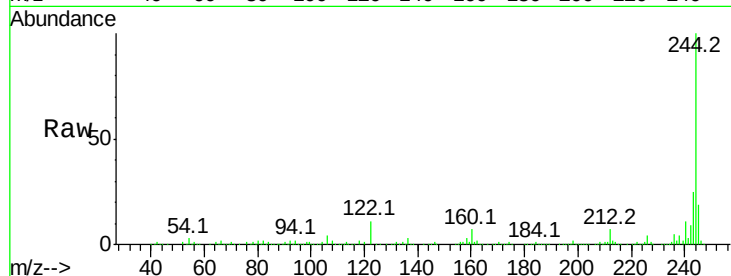
Tot Ion:202 Resp: 1832

Ion Ratio Lower Upper

202 100

200 57.6 17.4 26.2#

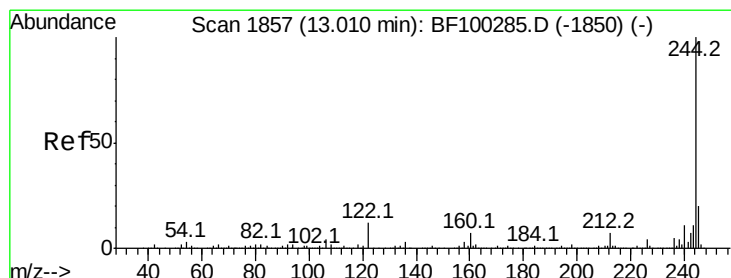
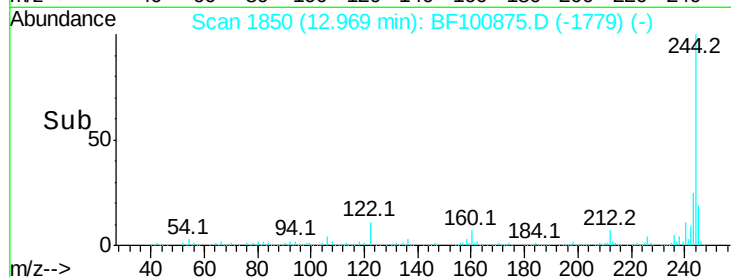
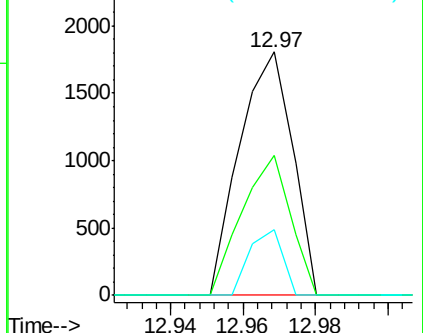
203 27.0 14.3 21.5#



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: 105.603 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

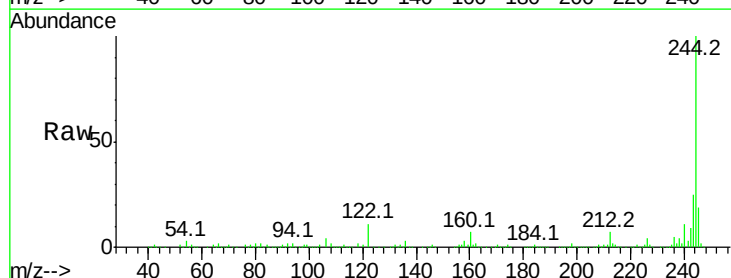
Tgt Ion:244 Resp: 624233

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

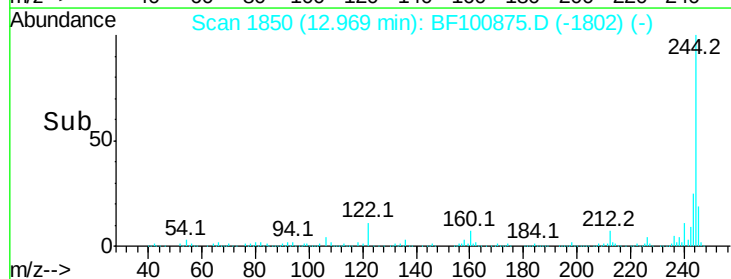
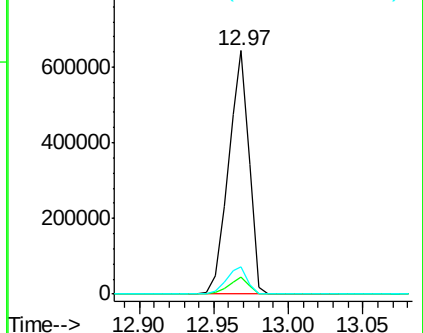
122 11.4 11.0 16.4

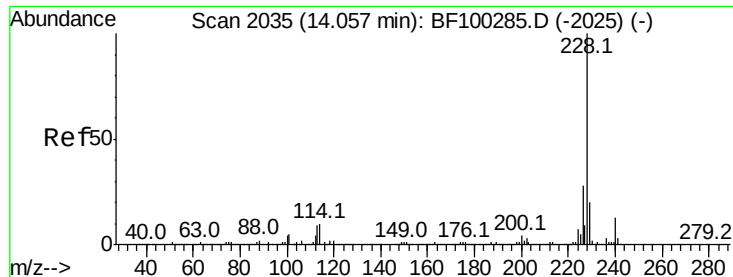


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.029 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampled :

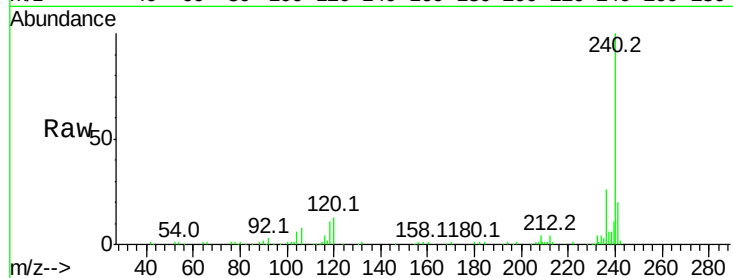
Tot Ion:228 Resp: 236

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

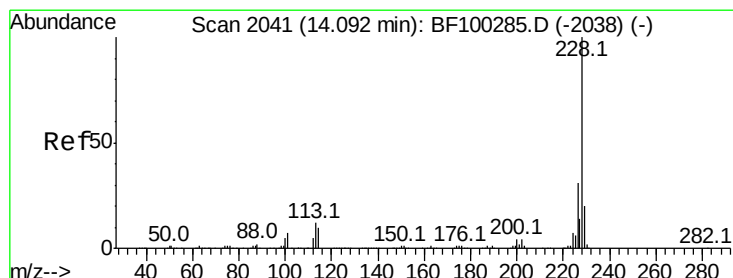
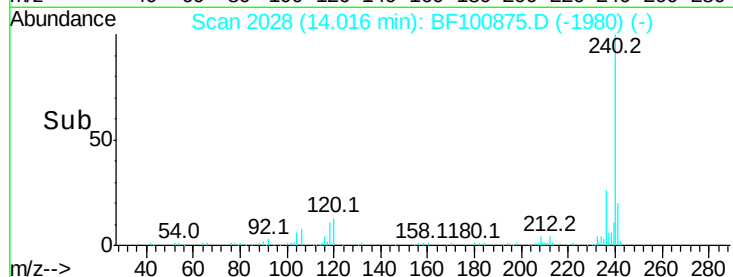
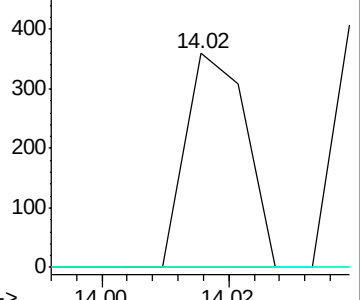
229 0.0 15.8 23.6#



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



#82

Chrysene

Concen: 0.018 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.04 min

Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

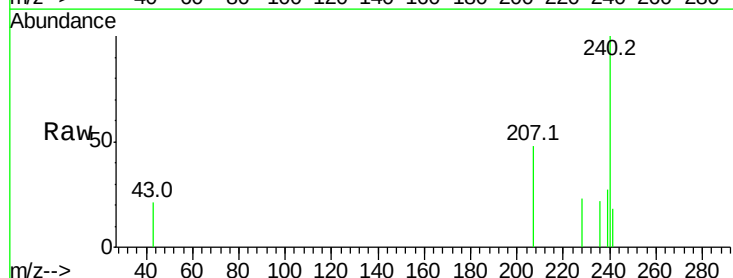
Tgt Ion:228 Resp: 144

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

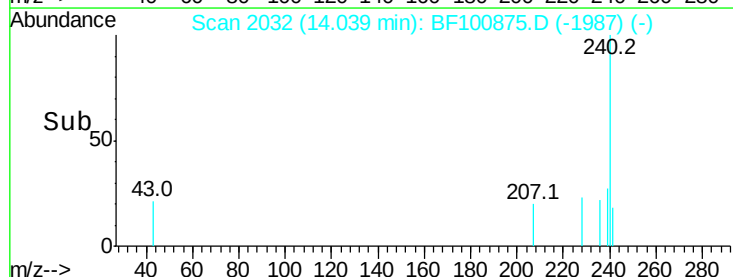
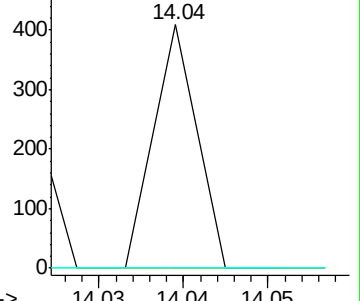
229 0.0 16.2 24.4#

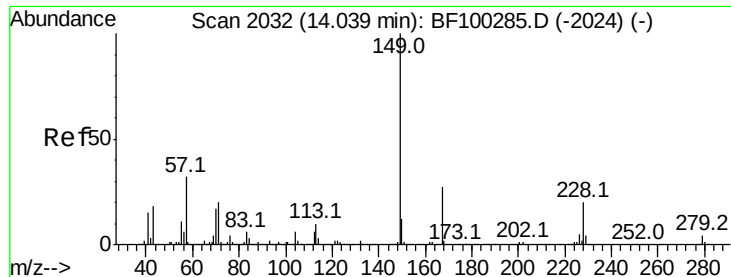


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

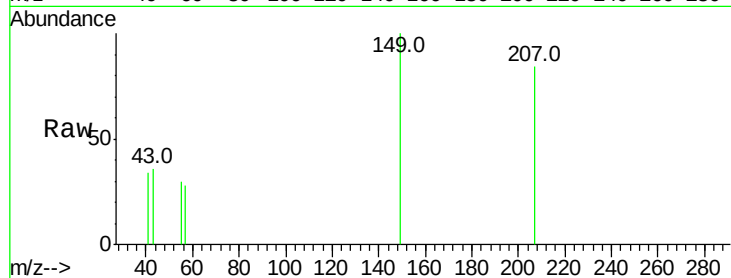




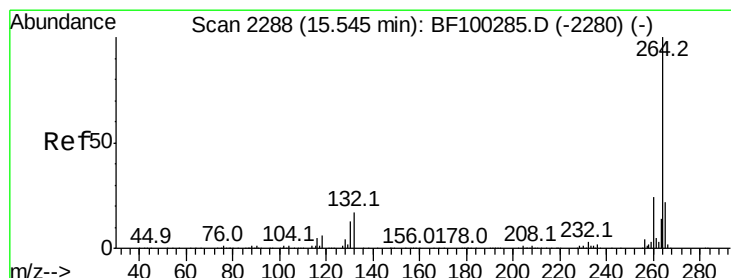
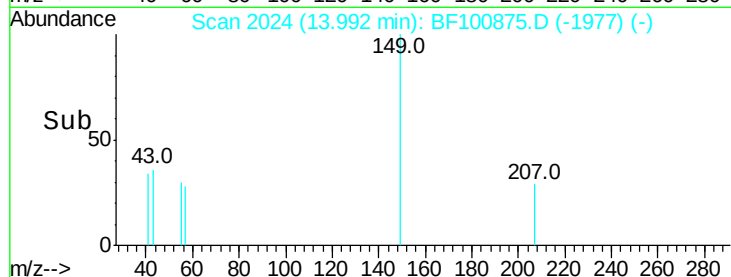
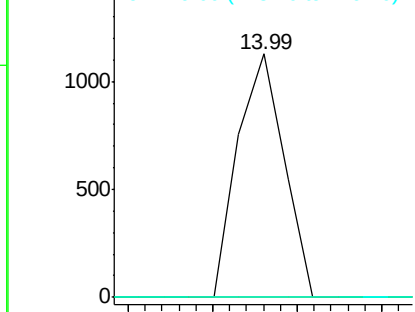
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.165 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	21.3	31.9#
279	0.0	3.0	4.4#

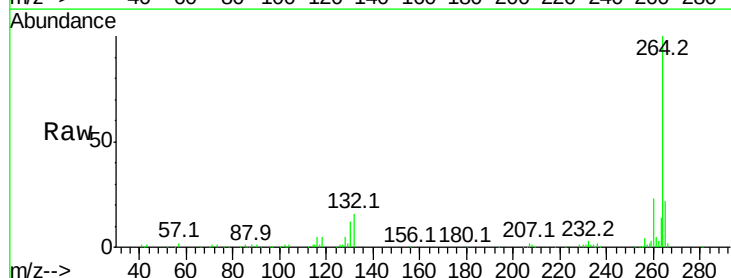


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

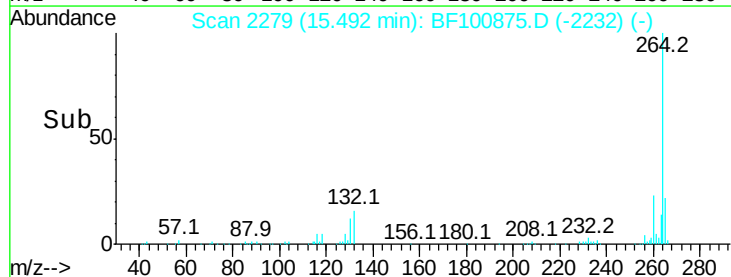
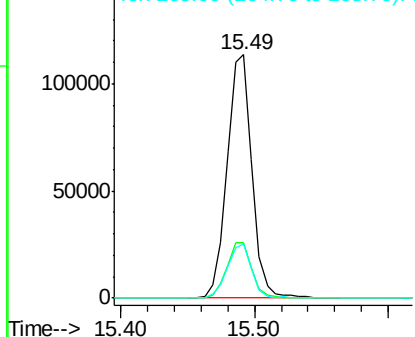


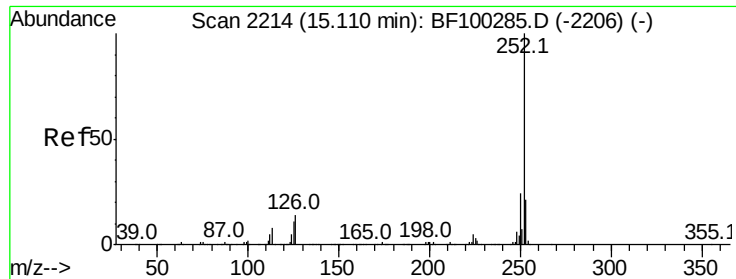
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BF100875.D
 Acq: 23 Nov 2017 15:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.1	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

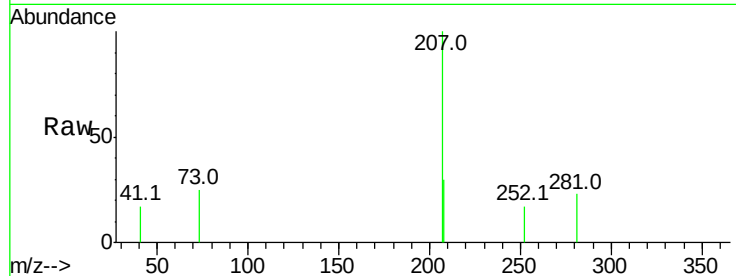




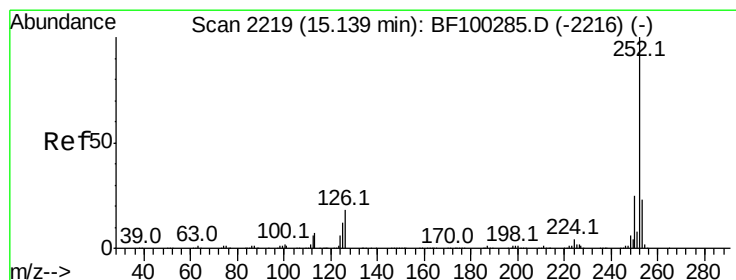
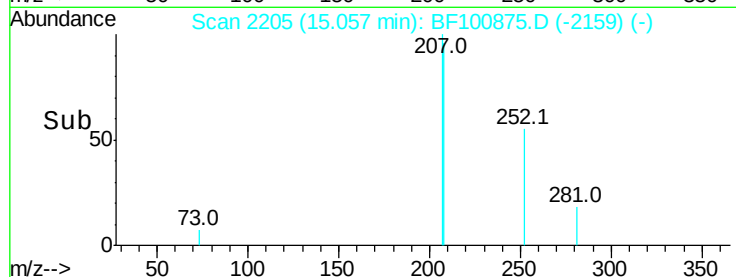
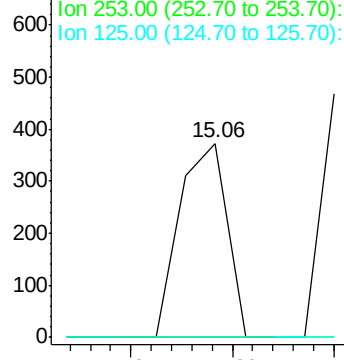
#87
Benzo(b)fluoranthene
Concen: 0.027 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF100875.D
Acq: 23 Nov 2017 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.0	25.6#
125	0.0	9.0	13.6#

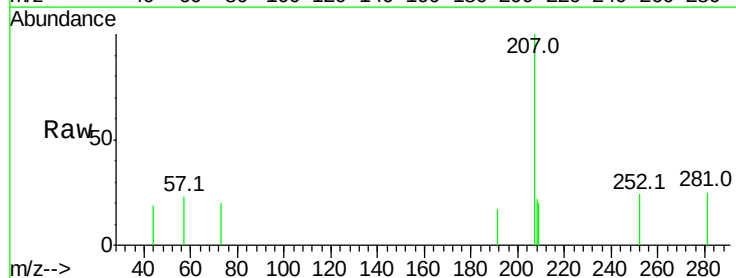


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

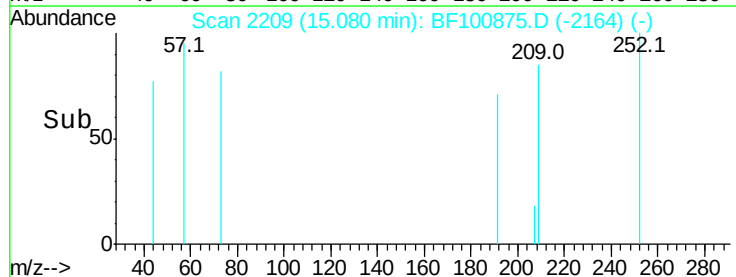
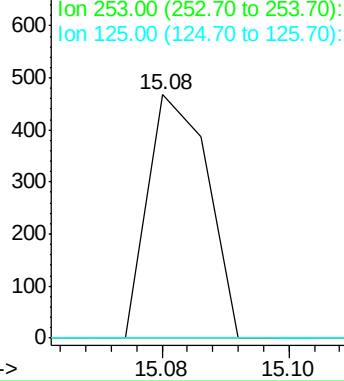


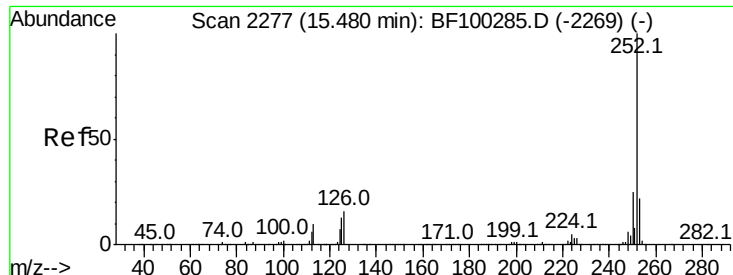
#88
Benzo(k)fluoranthene
Concen: 0.036 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100875.D
Acq: 23 Nov 2017 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.9	26.9#
125	0.0	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: 0.056 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.04 min

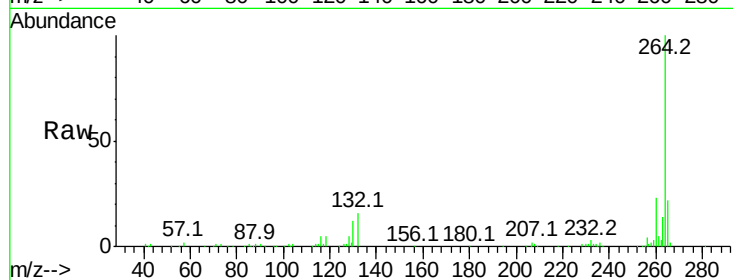
Lab File: BF100875.D

Acq: 23 Nov 2017 15:05

Instrument :

BNA_F

ClientSampleId :



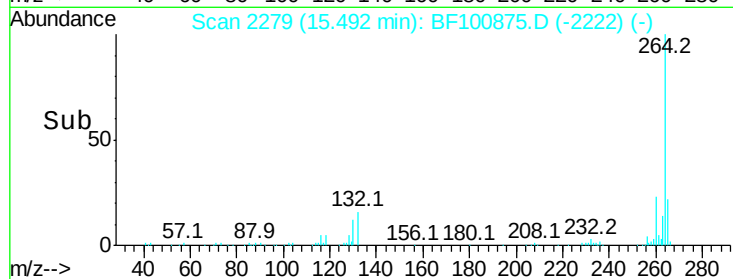
Tot Ion: 252 Resp: 439

Ion Ratio Lower Upper

252 100

253 0.0 17.1 25.7#

125 0.0 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

