

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100842.D
 Acq On : 22 Nov 2017 23:55
 Operator : SJ/JU
 Sample : I6528-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 23:41:53 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	78649	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	311030	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	138601	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	240356	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	146201	20.00	ng	-0.02
86) Perylene-d12	15.49	264	174272	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	354193	72.19	ng	-0.01
7) Phenol-d6	6.49	99	423184	69.94	ng	-0.02
23) Nitrobenzene-d5	7.42	82	263193	55.95	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	104819	74.22	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	504696	55.45	ng	-0.02
78) Terphenyl-d14	12.97	244	354041	55.64	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.50	93	145	0.017	ng	# 1
9) Benzaldehyde	6.63	77	7583	1.755	ng	85
10) Phenol	6.50	94	13955	2.197	ng	80
11) bis(2-Chloroethyl)ether	6.63	93	500	0.094	ng	# 1
15) Benzyl Alcohol	7.02	79	4138	0.876	ng	# 37
19) n-Nitroso-di-n-propylamine	7.42	70	34163	8.142	ng	# 82
22) Acetophenone	7.27	105	112	0.015	ng	# 54
24) Nitrobenzene	7.42	77	510	0.105	ng	# 38
25) Isophorone	7.42	82	263189	26.622	ng	# 64
45) 1,1'-Biphenyl	9.32	154	1154	0.096	ng	88
47) 2-Nitroaniline	9.60	65	278	2.886	ng	# 1
49) Dimethylphthalate	9.61	163	36025	3.404	ng	# 98
50) 2,6-Dinitrotoluene	9.90	165	17377	8.296	ng	# 25
51) Acenaphthene	9.90	154	377	0.043	ng	# 4
56) 2,4-Dinitrotoluene	9.90	165	17377	6.576	ng	# 22
57) Fluorene	10.69	166	4354	0.484	ng	# 79
59) Diethylphthalate	10.31	149	8560	0.808	ng	# 87
62) Azobenzene	10.69	77	370	0.037	ng	# 15
65) n-Nitrosodiphenylamine	10.69	169	3052	0.365	ng	# 45
66) 4-Bromophenyl-phenylether	10.69	248	6356	2.467	ng	# 1
70) Phenanthrene	11.40	178	1474	0.116	ng	# 83
71) Anthracene	11.46	178	169	0.013	ng	# 60
73) Di-n-butylphthalate	11.94	149	3132	0.226	ng	# 89
74) Fluoranthene	12.60	202	2793	0.208	ng	94
76) Benzydine	12.97	184	3945	0.674	ng	96
77) Pyrene	12.83	202	2770	0.266	ng	98
79) Butylbenzylphthalate	13.43	149	600	0.141	ng	# 89
80) Benzo(a)anthracene	14.01	228	2381	0.270	ng	96
82) Chrysene	14.04	228	2008	0.236	ng	95
83) Bis(2-ethylhexyl)phthalate	13.99	149	2935	0.525	ng	# 92
84) Di-n-octyl phthalate	14.60	149	1443	0.150	ng	# 41
85) Indeno(1,2,3-cd)pyrene	16.97	276	1823	0.264	ng	# 52
87) Benzo(b)fluoranthene	15.06	252	3089	0.299	ng	# 54
88) Benzo(k)fluoranthene	15.09	252	1712	0.175	ng	# 77

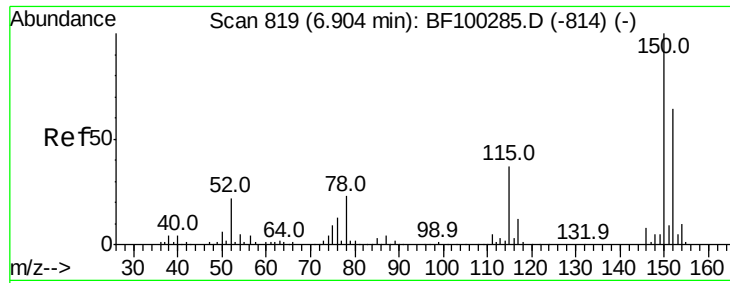
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100842.D
Acq On : 22 Nov 2017 23:55
Operator : SJ/JU
Sample : I6528-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 23 23:41:53 2017
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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)
89) Benzo(a)pyrene	15.43	252	1815	0.198	ng	# 56
90) Dibenzo(a,h)anthracene	16.98	278	979	0.131	ng	# 31
91) Benzo(g,h,i)perylene	17.41	276	1868	0.255	ng	# 71

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

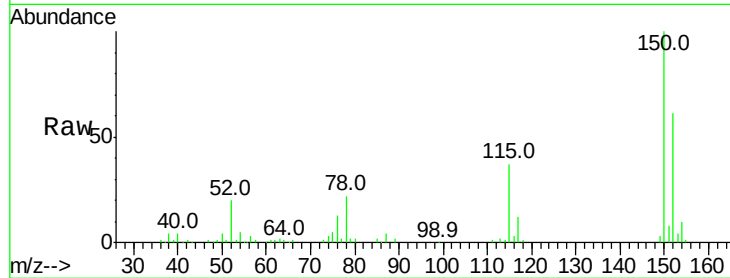


#1

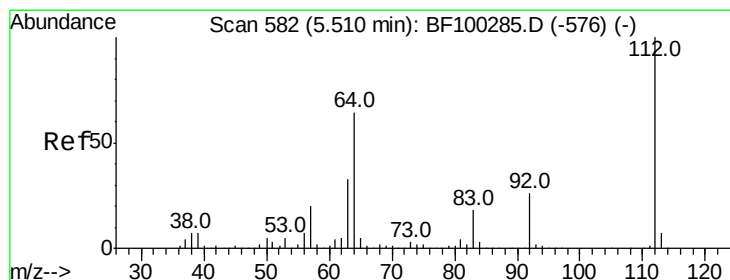
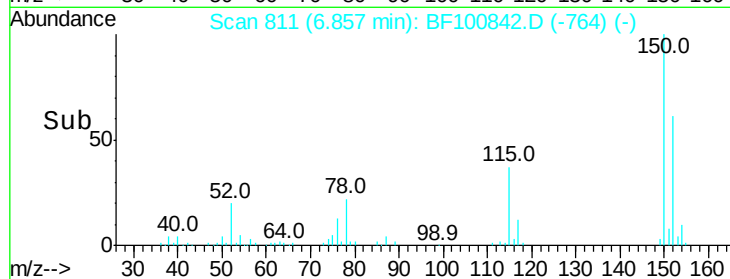
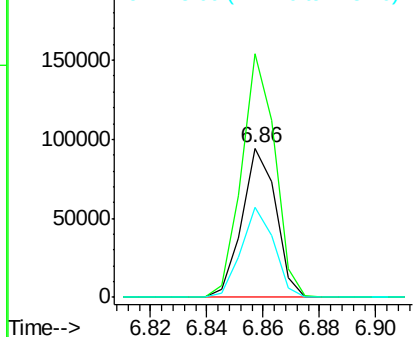
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	124.6	186.8
115	60.2	50.1	75.1



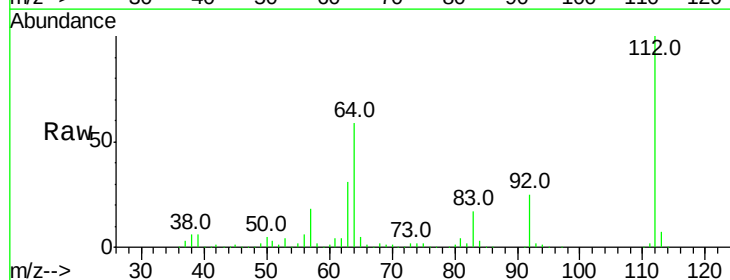
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



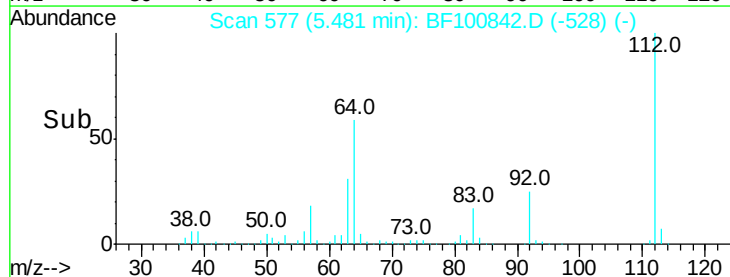
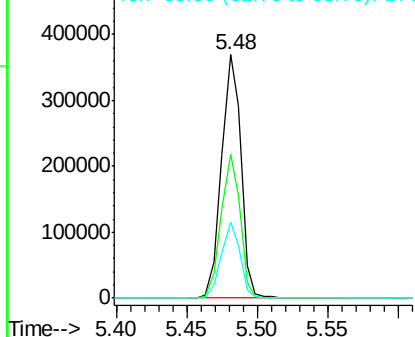
#5

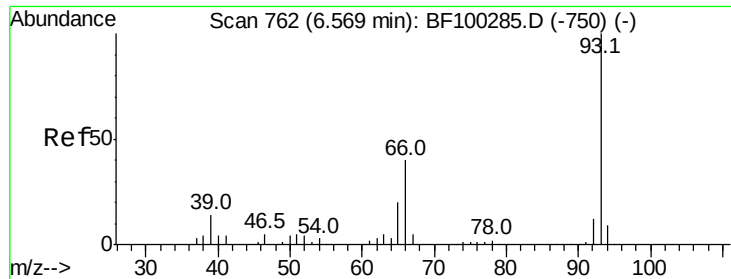
2-Fluorophenol
Concen: 72.190 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	30.9	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: 0.017 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampled :

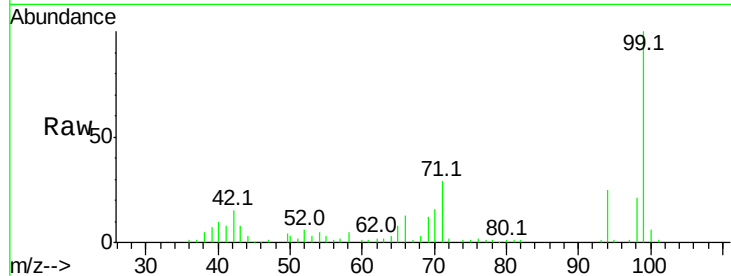
Tot Ion: 93 Resp: 145

Ion Ratio Lower Upper

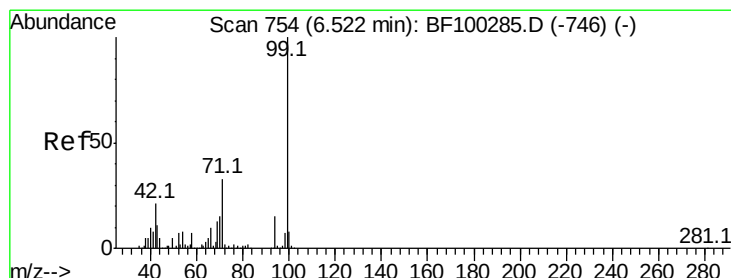
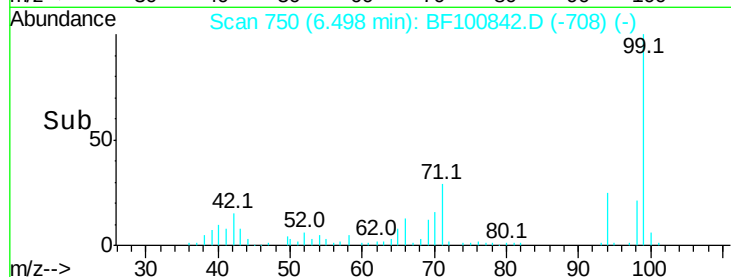
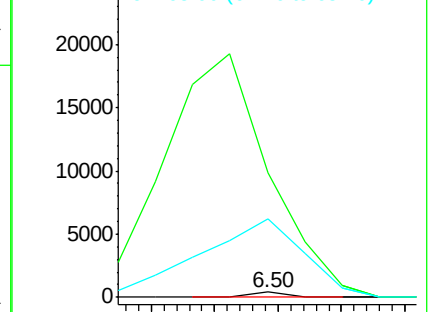
93 100

66 2398.8 32.2 48.2#

65 1510.2 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: 69.945 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

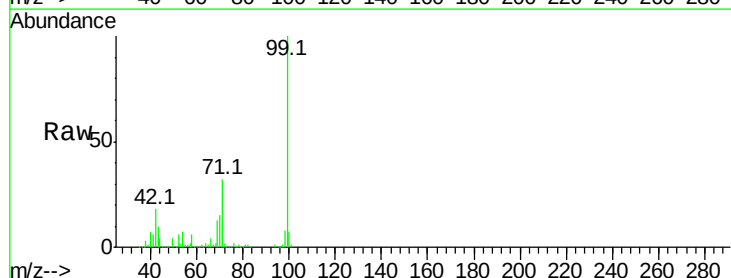
Tgt Ion: 99 Resp: 423184

Ion Ratio Lower Upper

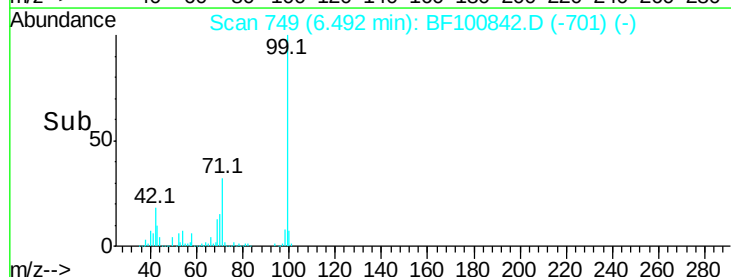
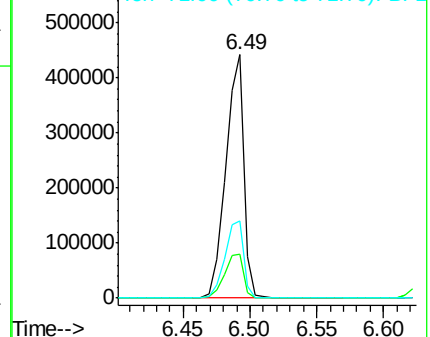
99 100

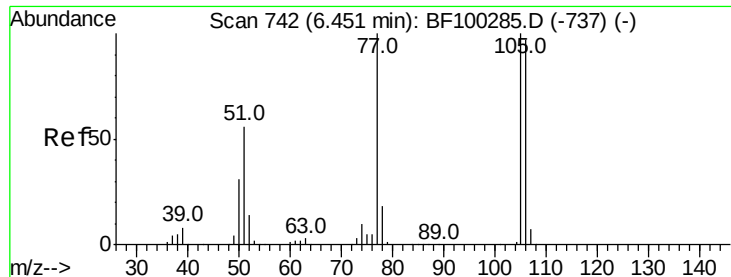
42 18.0 14.5 21.7

71 31.9 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: 1.755 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.19 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampled :

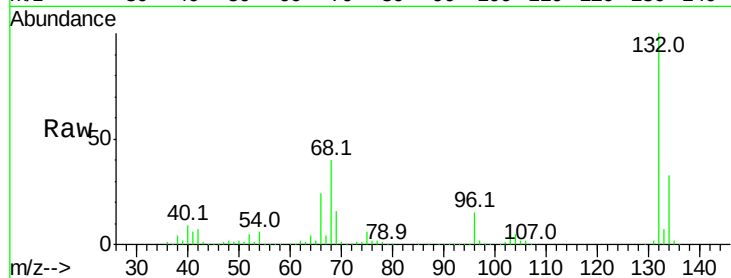
Tot Ion: 77 Resp: 7583

Ion Ratio Lower Upper

77 100

105 82.5 81.1 121.1

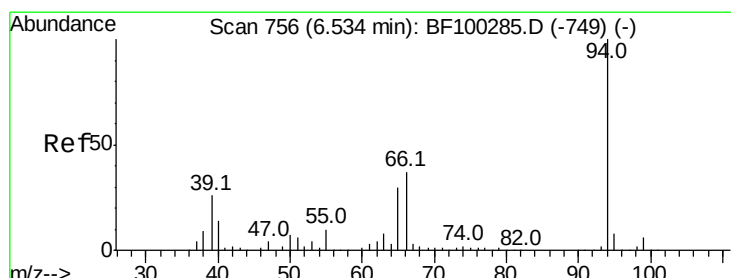
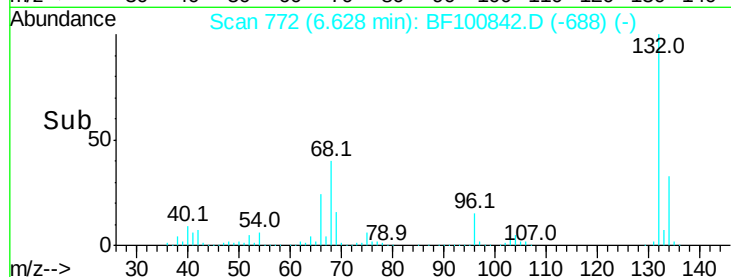
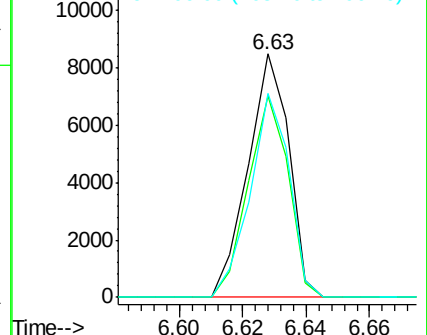
106 83.5 74.5 114.5



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: 2.197 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

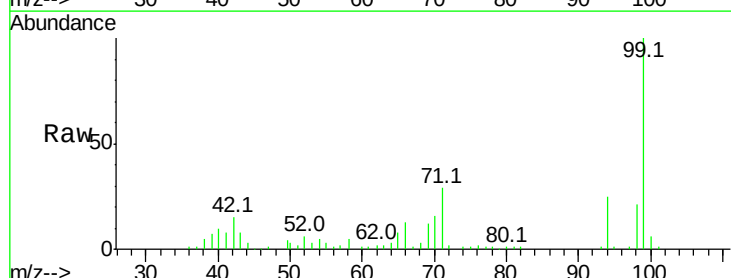
Tgt Ion: 94 Resp: 13955

Ion Ratio Lower Upper

94 100

65 32.9 7.9 47.9

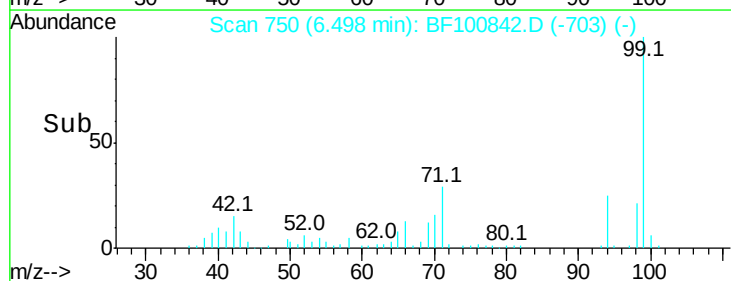
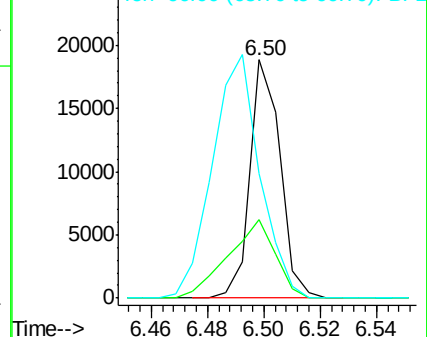
66 52.3 16.2 56.2

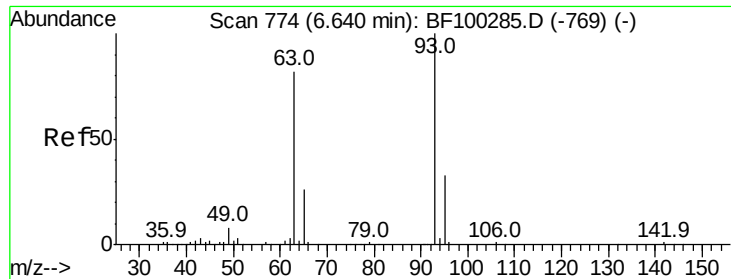


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.094 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.01 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

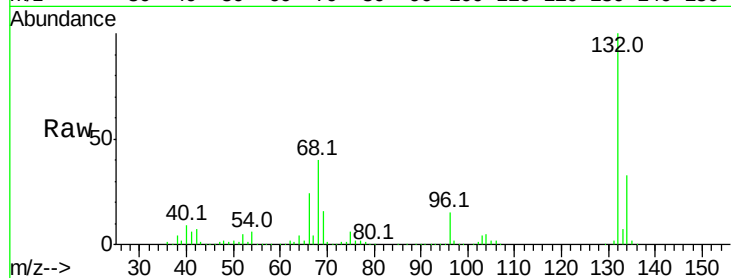
Tot Ion: 93 Resp: 500

Ion Ratio Lower Upper

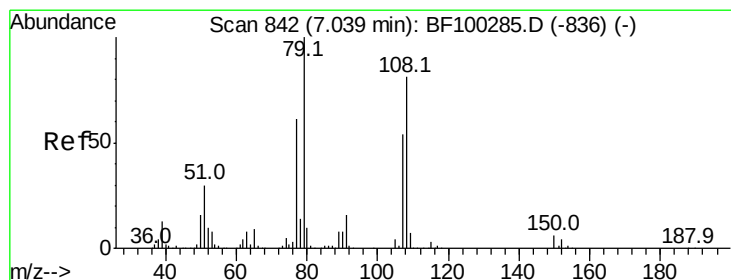
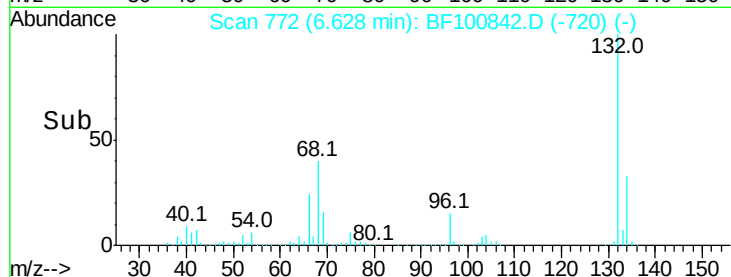
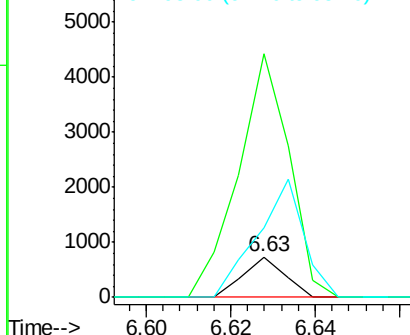
93 100

63 599.5 58.6 98.6#

95 170.1 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: 0.876 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

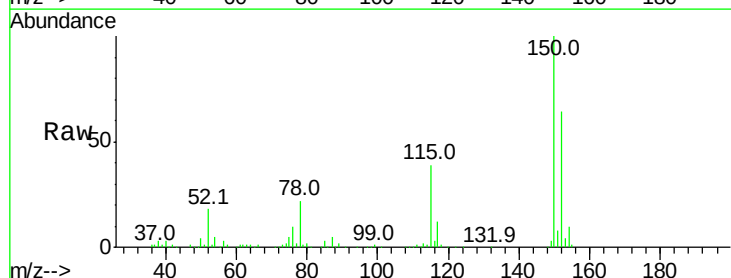
Tgt Ion: 79 Resp: 4138

Ion Ratio Lower Upper

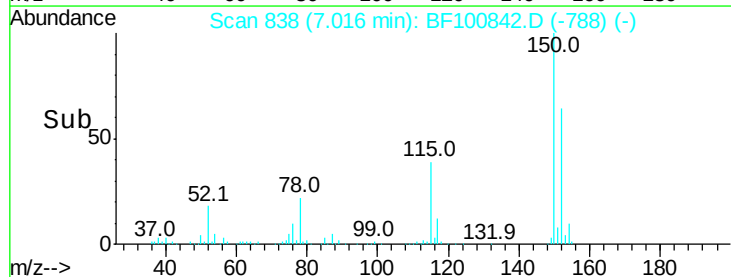
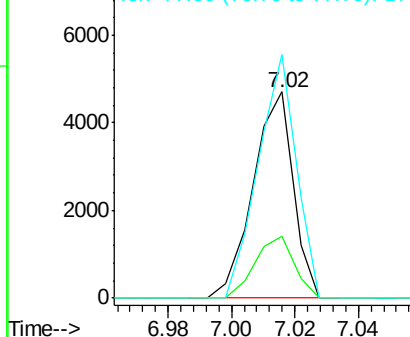
79 100

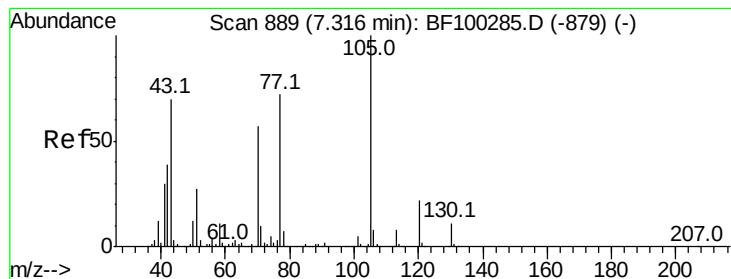
108 30.1 65.1 97.7#

77 118.1 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: 8.142 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.12 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

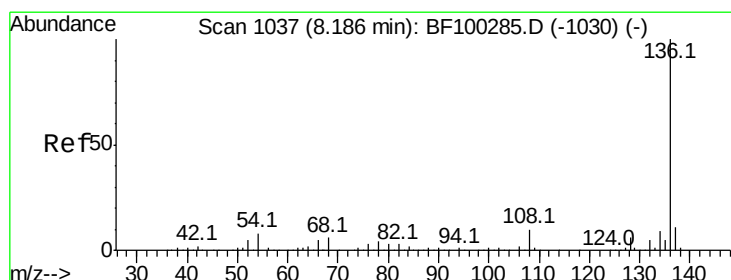
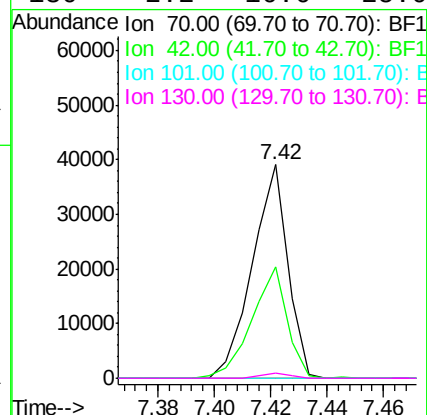
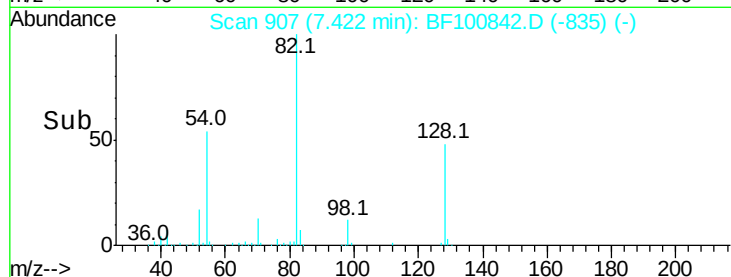
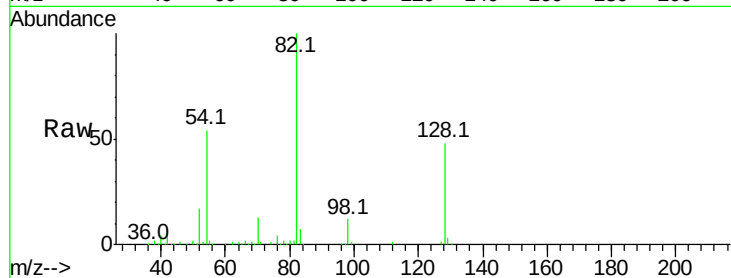
BNA_F

ClientSampled :

Tot Ion: 70 Resp: 34163

Ion Ratio Lower Upper

70	100		
42	52.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.03 min

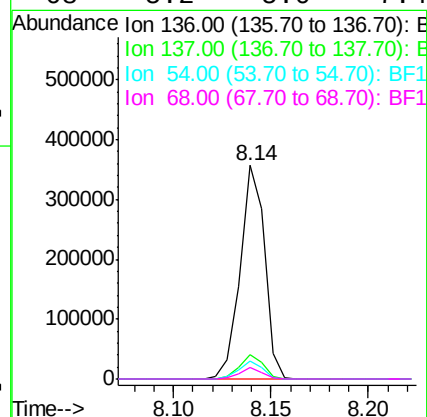
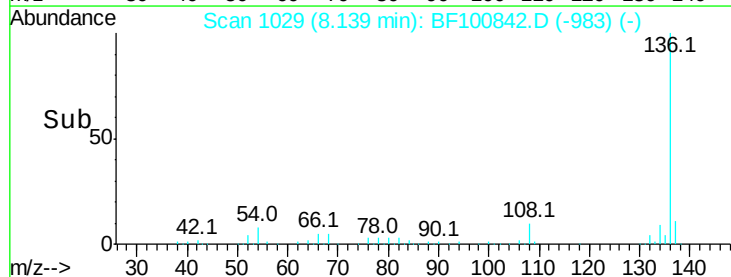
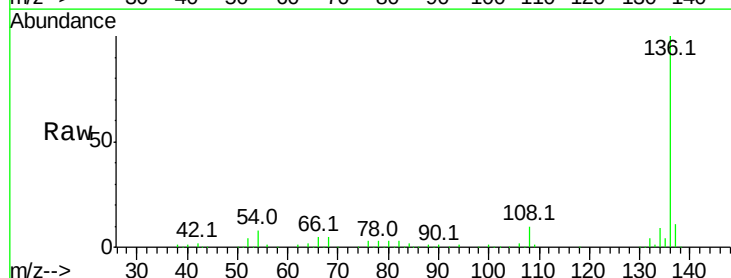
Lab File: BF100842.D

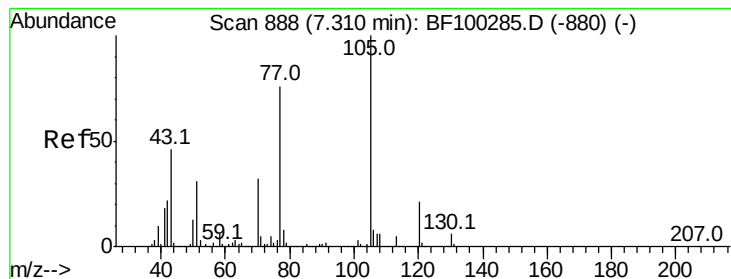
Acq: 22 Nov 2017 23:55

Tgt Ion: 136 Resp: 311030

Ion Ratio Lower Upper

136	100		
137	11.3	8.9	13.3
54	8.1	6.6	9.8
68	5.2	5.0	7.4





#22

Acetophenone

Concen: 0.015 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.02 min

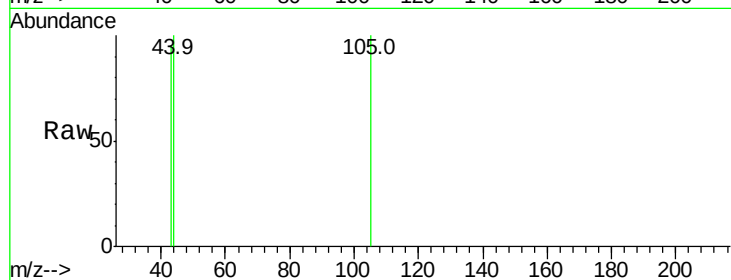
Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampled :



Tot Ion: 105 Resp: 112

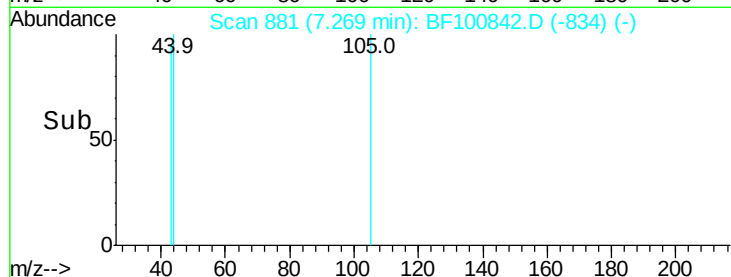
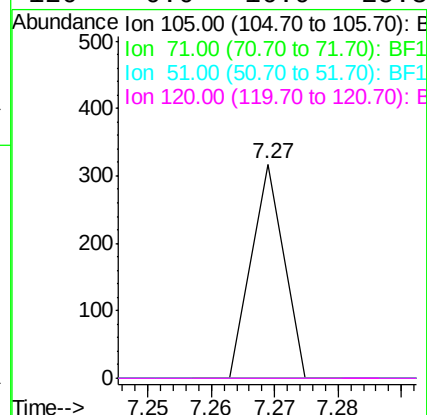
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 0.0 22.3 33.5#

120 0.0 16.9 25.3#



#23

Nitrobenzene-d5

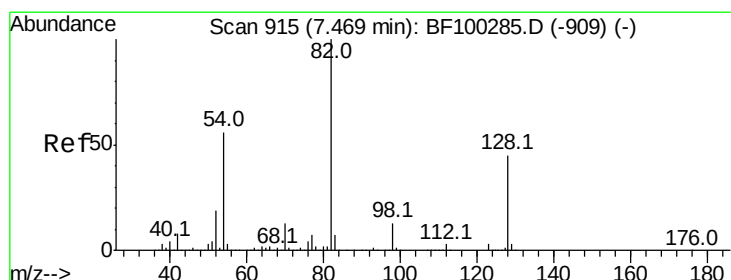
Concen: 55.945 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.03 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55



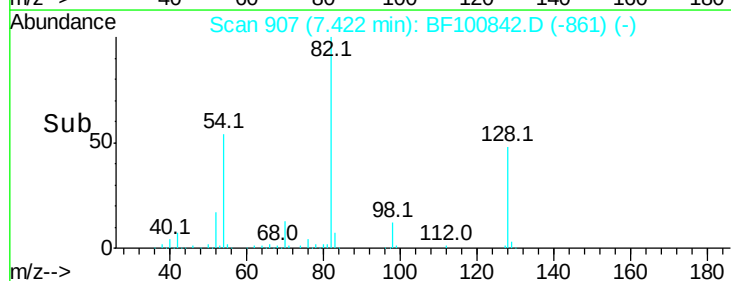
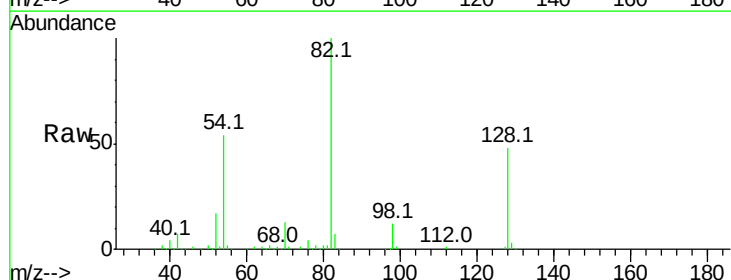
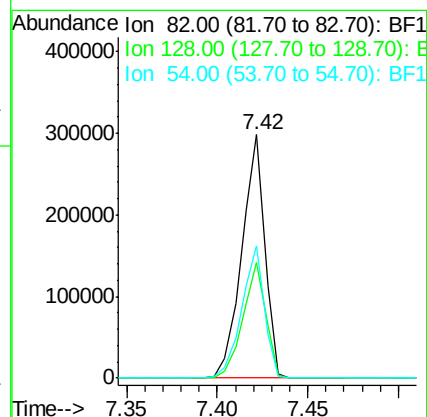
Tgt Ion: 82 Resp: 263193

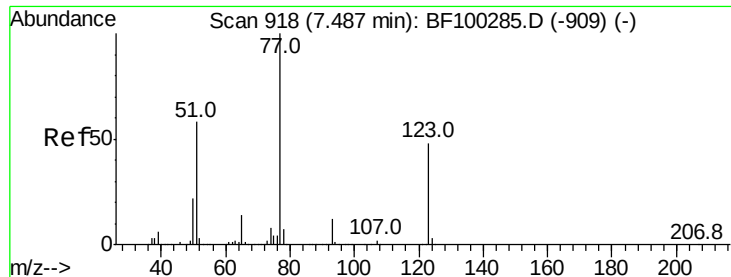
Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

54 54.2 41.4 62.2





#24

Nitrobenzene

Concen: 0.105 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.05 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

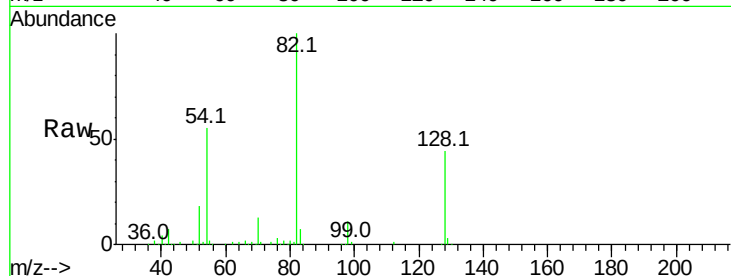
Tot Ion: 77 Resp: 510

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

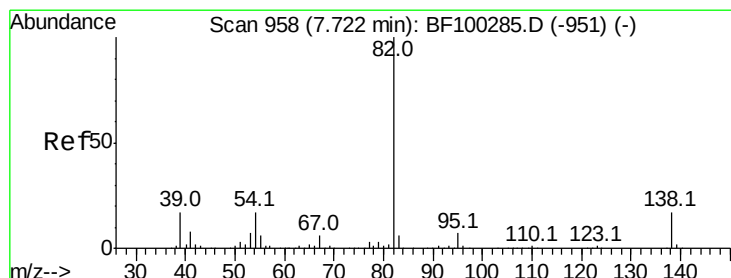
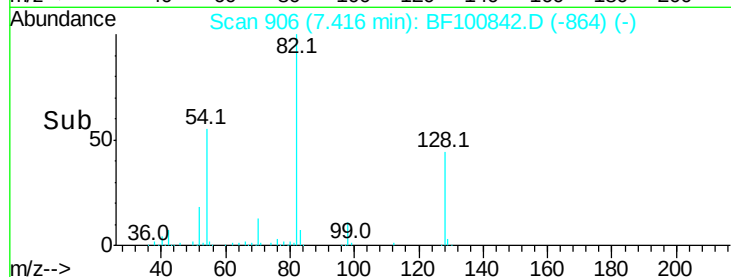
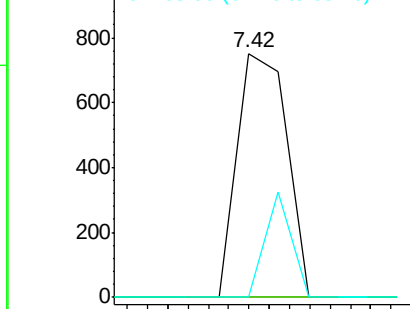
65 0.0 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 26.622 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

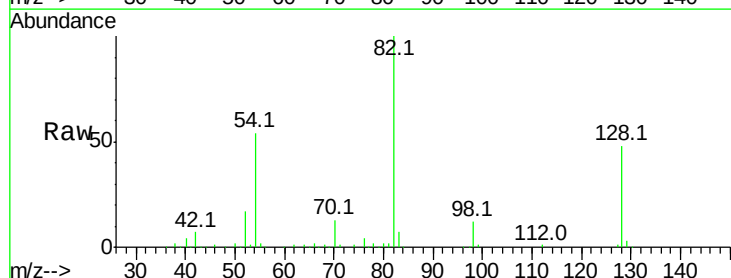
Tgt Ion: 82 Resp: 263189

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

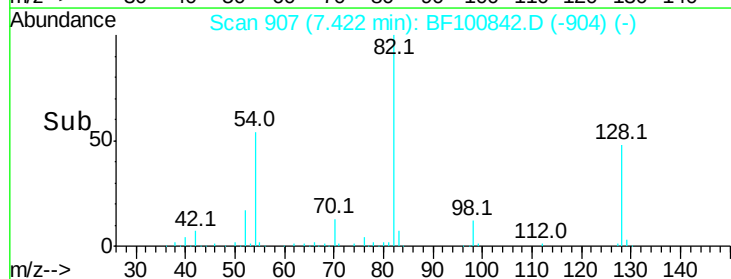
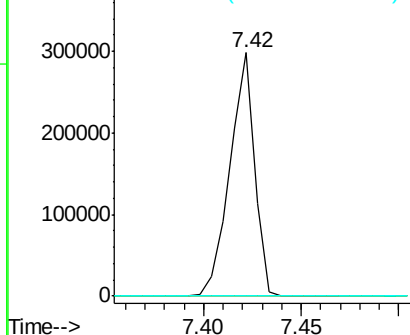
138 0.0 14.9 22.3#

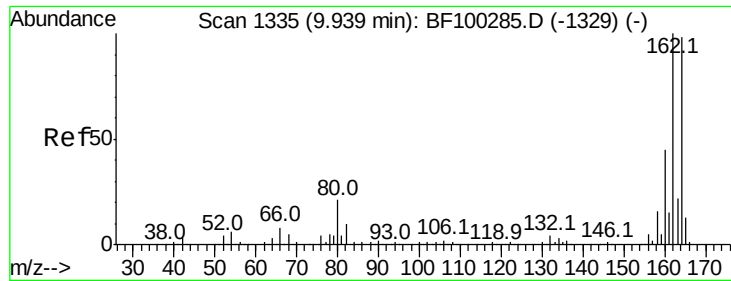


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

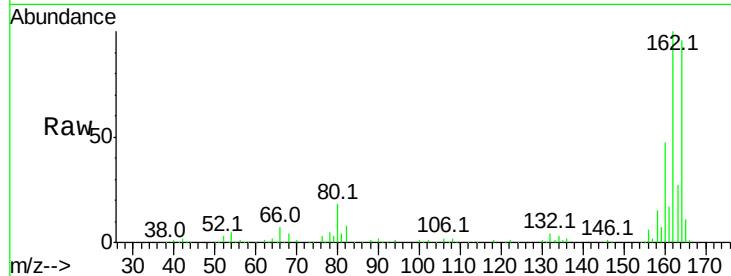




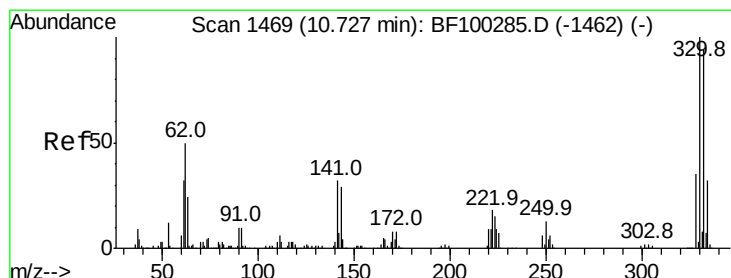
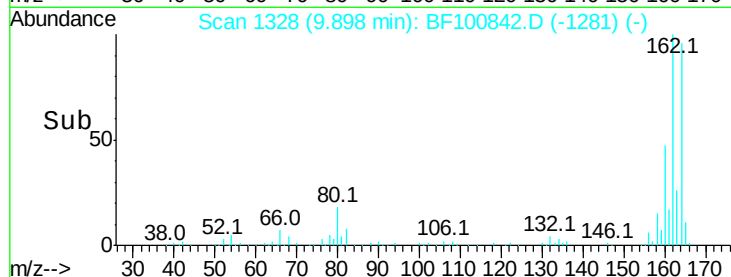
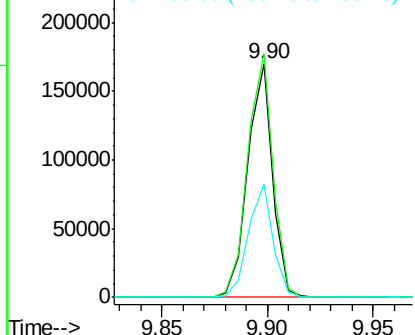
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF100842.D
 Acq: 22 Nov 2017 23:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 138601
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 48.6 38.3 57.5

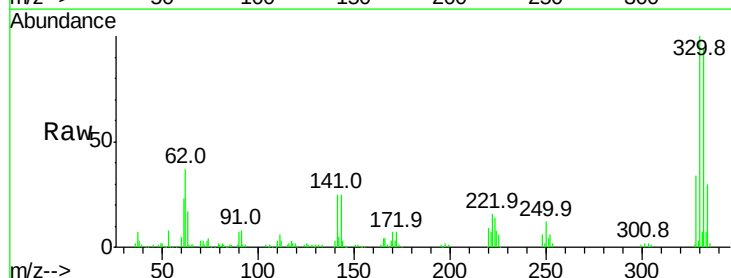


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

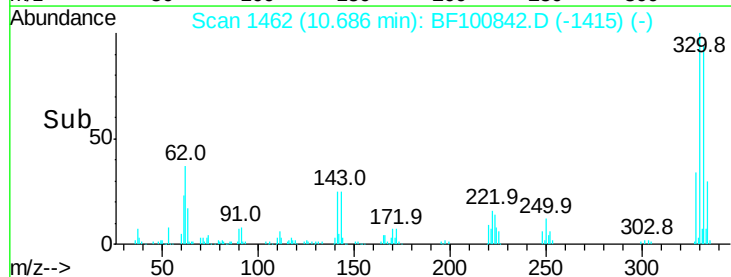
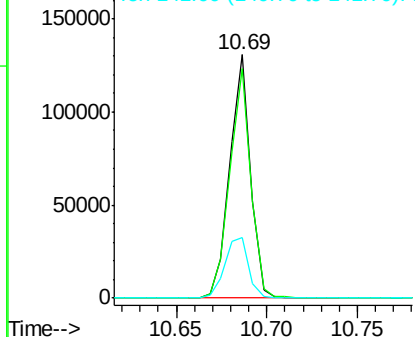


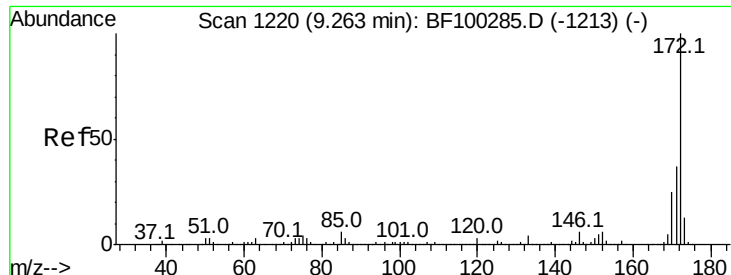
#41
 2,4,6-Tribromophenol
 Concen: 74.216 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BF100842.D
 Acq: 22 Nov 2017 23:55

Tgt Ion:330 Resp: 104819
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 28.6 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

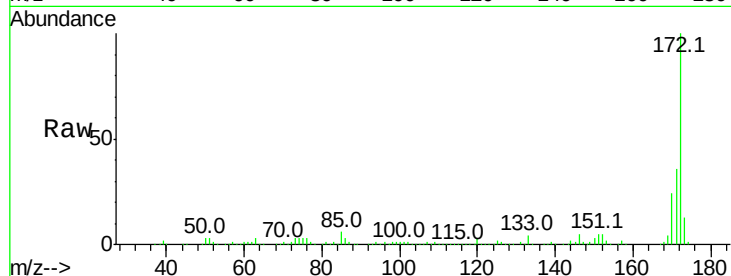




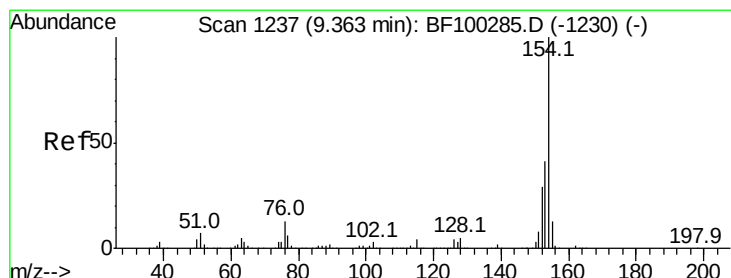
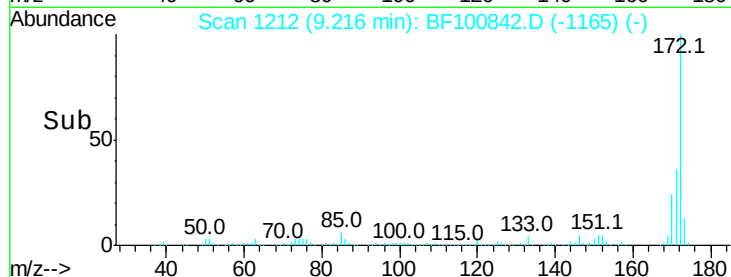
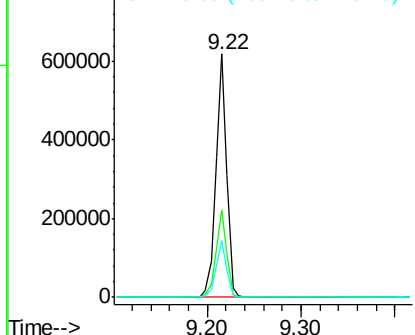
#44
2-Fluorobiphenyl
Concen: 55.447 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 504696
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.5 19.6 29.4

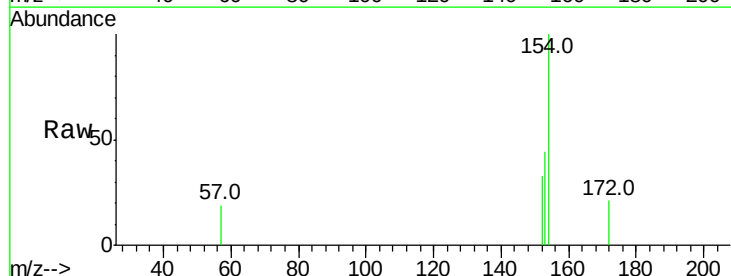


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

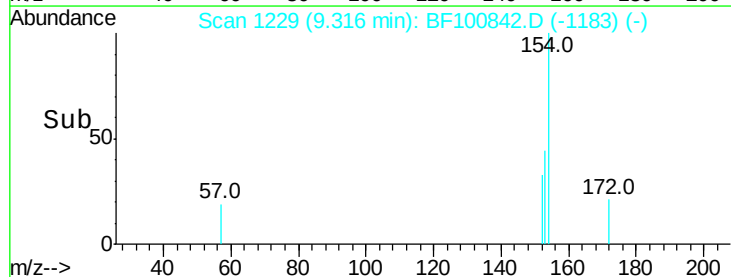
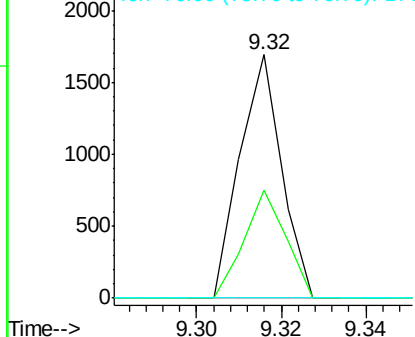


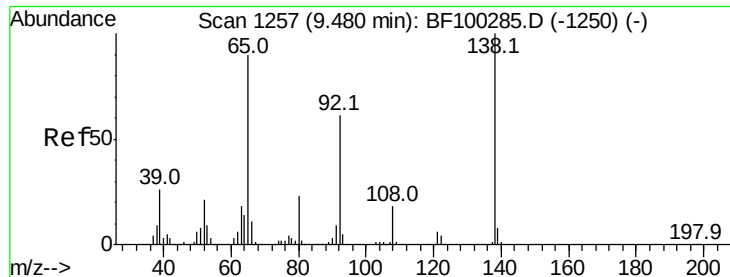
#45
1,1'-Biphenyl
Concen: 0.096 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.03 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Tgt Ion:154 Resp: 1154
Ion Ratio Lower Upper
154 100
153 44.4 21.3 61.3
76 0.0 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: 2.886 ng

RT: 9.60 min Scan# 1278

Delta R.T. 0.14 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

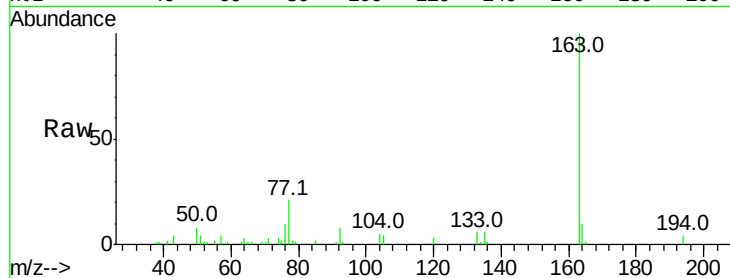
Tot Ion: 65 Resp: 278

Ion Ratio Lower Upper

65 100

92 683.7 55.8 83.6#

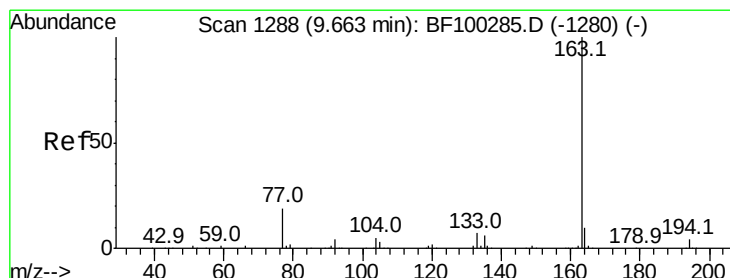
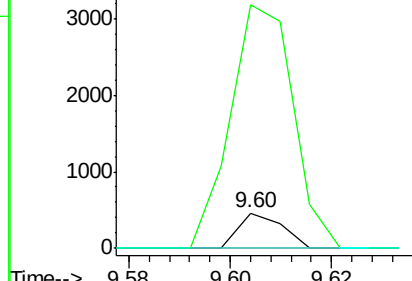
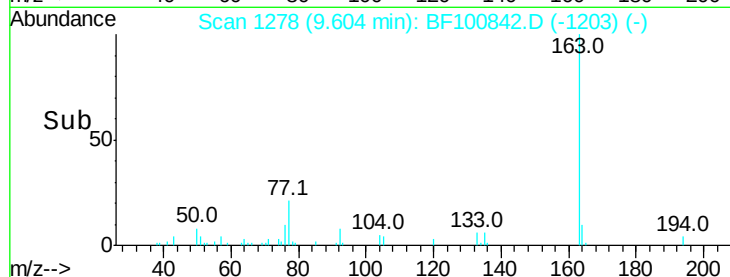
138 0.0 91.2 136.8#



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



#49

Dimethylphthalate

Concen: 3.404 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

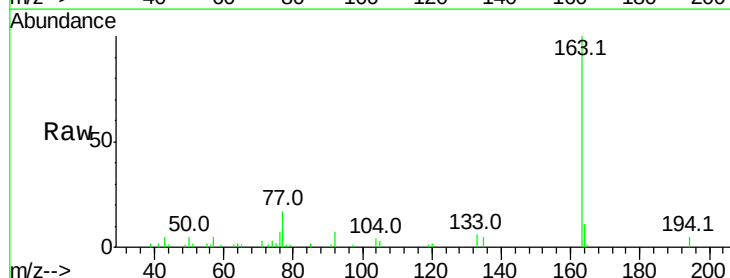
Tgt Ion:163 Resp: 36025

Ion Ratio Lower Upper

163 100

194 4.6 2.7 4.1#

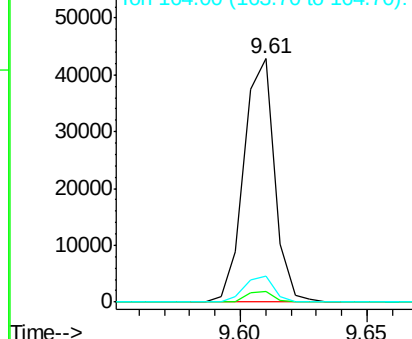
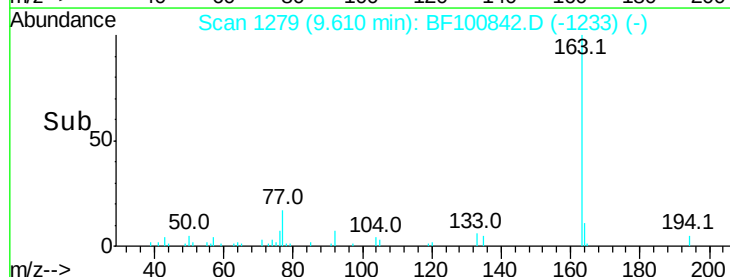
164 10.8 8.2 12.2

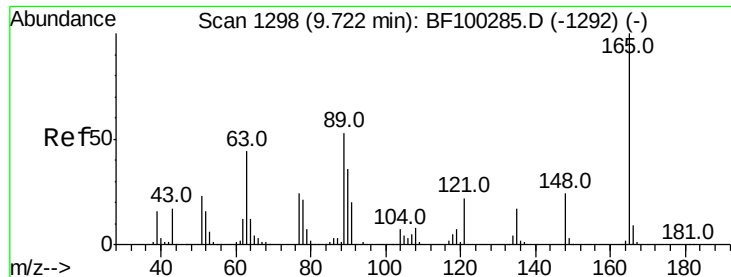


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.296 ng

RT: 9.90 min Scan# 1328

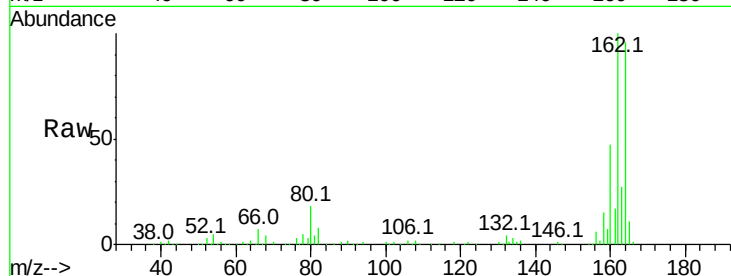
Delta R.T. 0.19 min

Lab File: BF100842.D

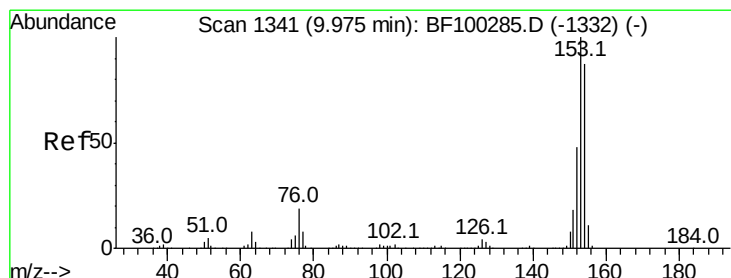
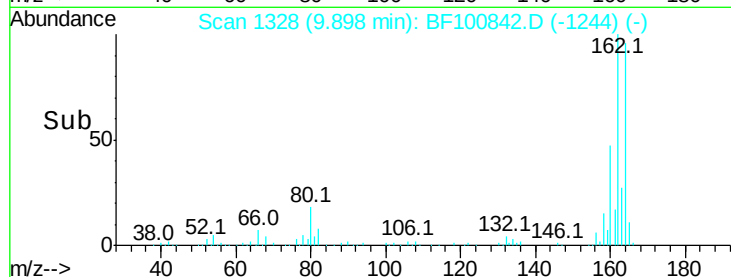
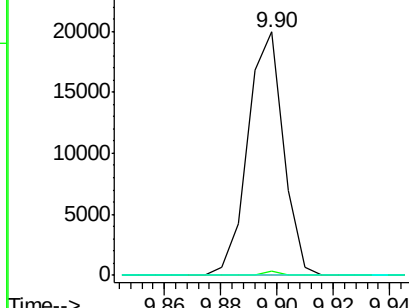
Acq: 22 Nov 2017 23:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:	165	Resp:	17377
Ion	Ratio	Lower	Upper
165	100		
63	1.7	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: 0.043 ng

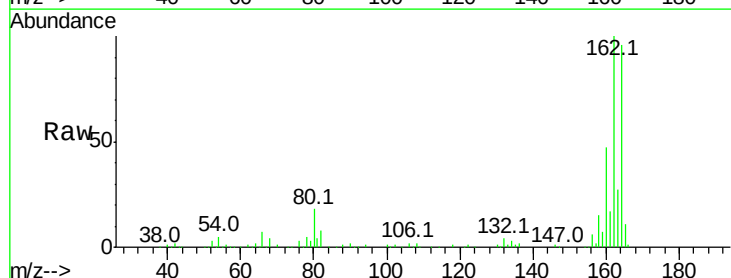
RT: 9.90 min Scan# 1328

Delta R.T. -0.06 min

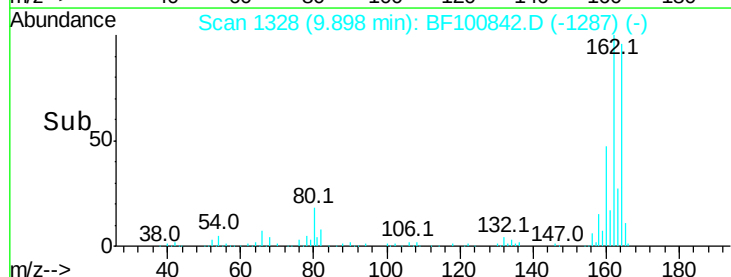
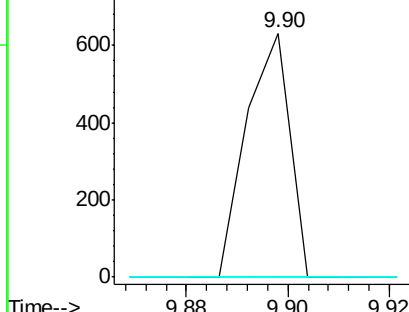
Lab File: BF100842.D

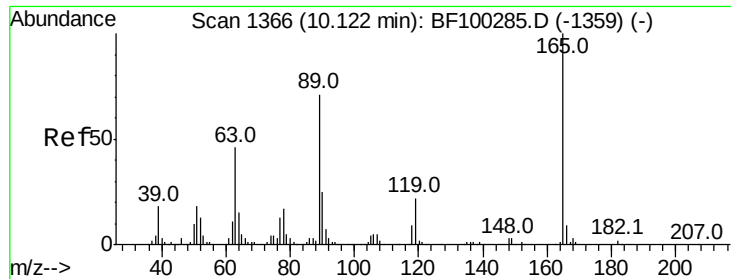
Acq: 22 Nov 2017 23:55

Tgt Ion:	154	Resp:	377
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

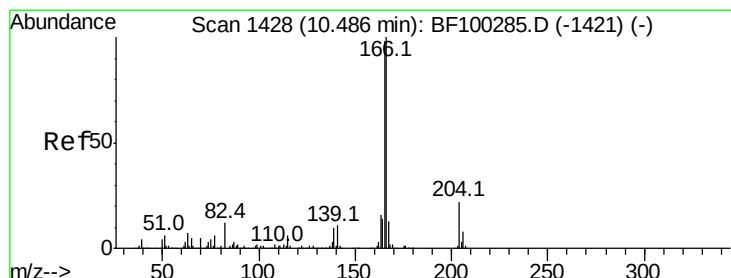
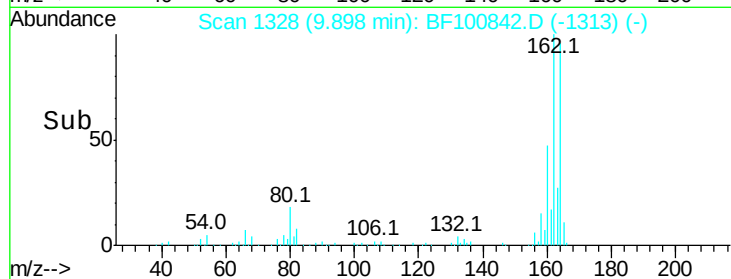
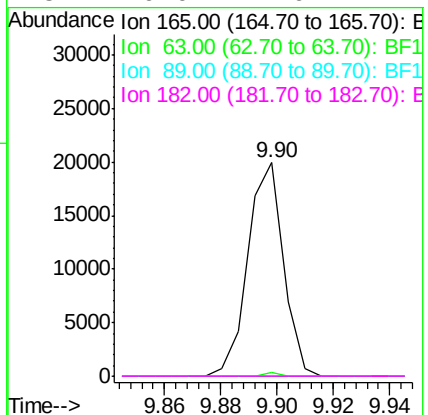
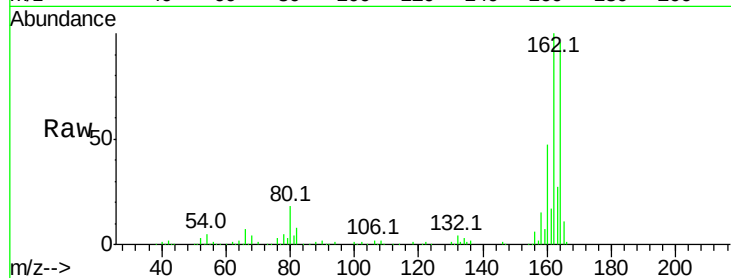




#56
 2,4-Dinitrotoluene
 Concen: 6.576 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.21 min
 Lab File: BF100842.D
 Acq: 22 Nov 2017 23:55

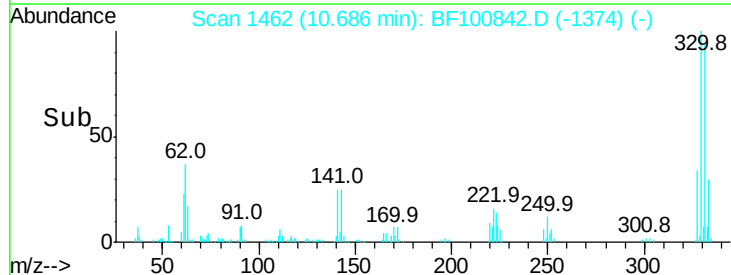
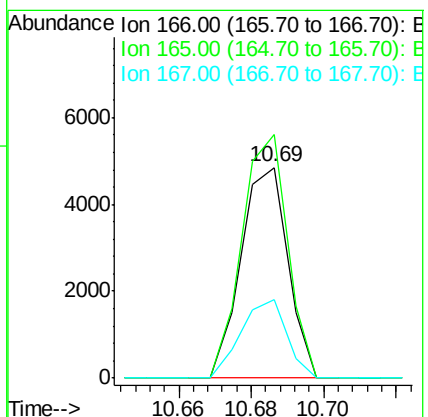
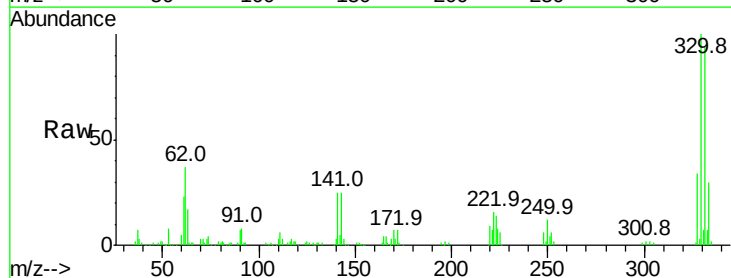
Instrument :
 BNA_F
 ClientSampleId :

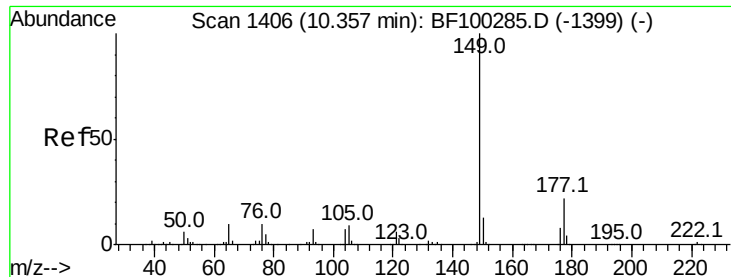
Tot Ion:165	Resp:	17377
Ion Ratio	Lower	Upper
165	100	
63	1.7	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#57
 Fluorene
 Concen: 0.484 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.22 min
 Lab File: BF100842.D
 Acq: 22 Nov 2017 23:55

Tgt Ion:166	Resp:	4354
Ion Ratio	Lower	Upper
166	100	
165	115.4	79.8 119.8
167	37.1	10.6 16.0#





#59

Diethylphthalate

Concen: 0.808 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.03 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

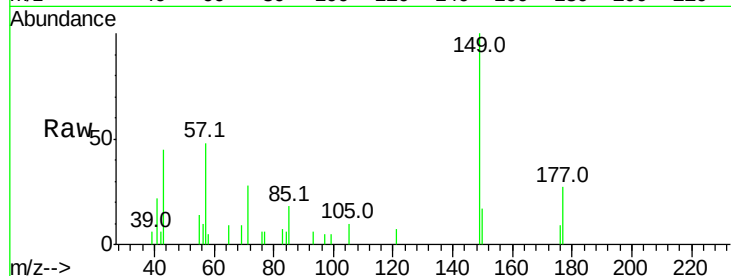
Tot Ion:149 Resp: 8560

Ion Ratio Lower Upper

149 100

177 26.7 16.1 24.1#

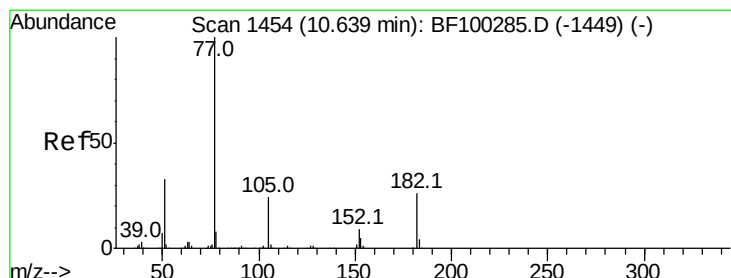
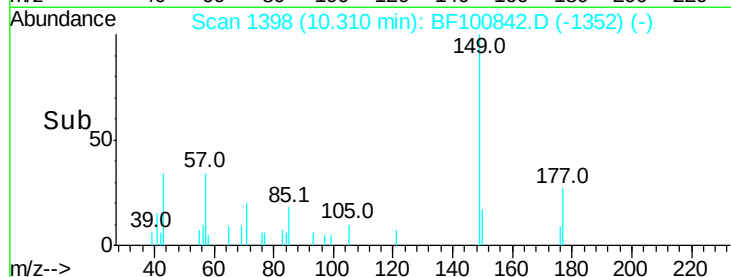
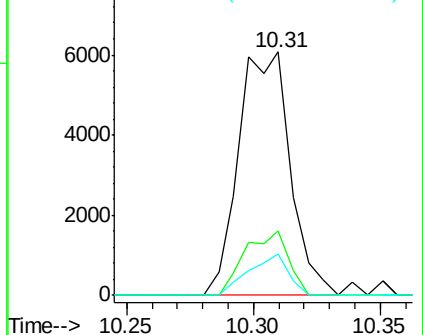
150 16.9 10.1 15.1#



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: 0.037 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.06 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Tgt Ion: 77 Resp: 370

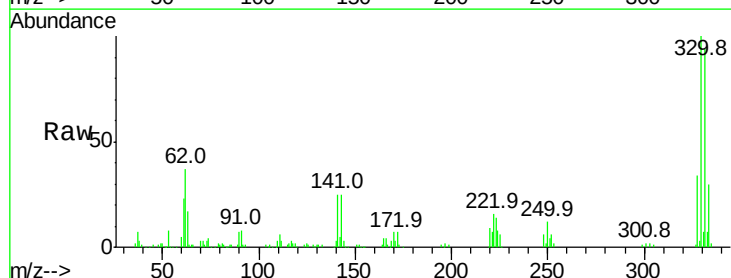
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 67.6 3.0 43.0#

51 88.3 9.9 49.9#

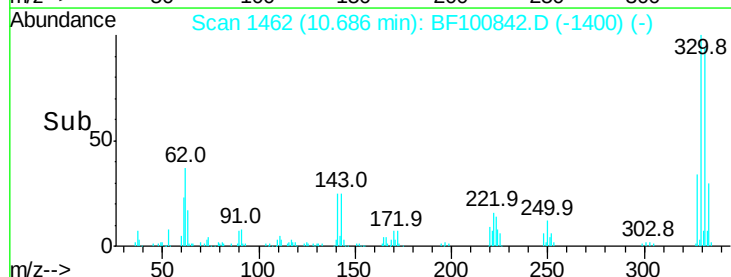
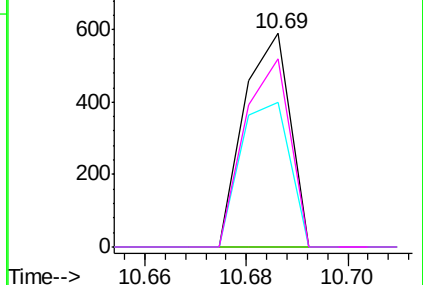


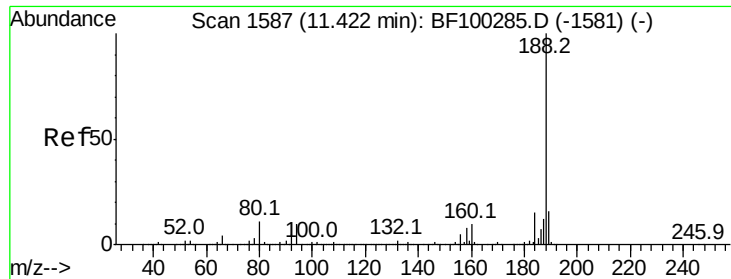
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

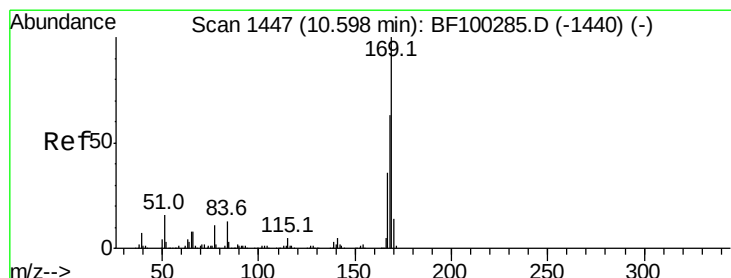
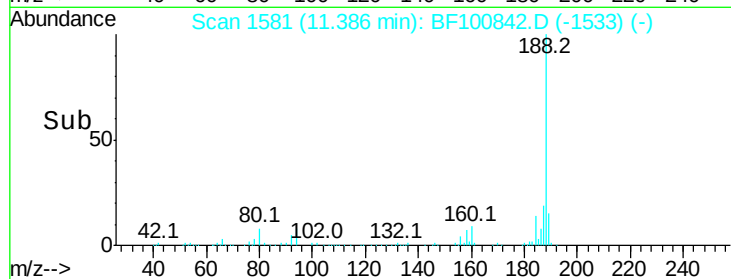
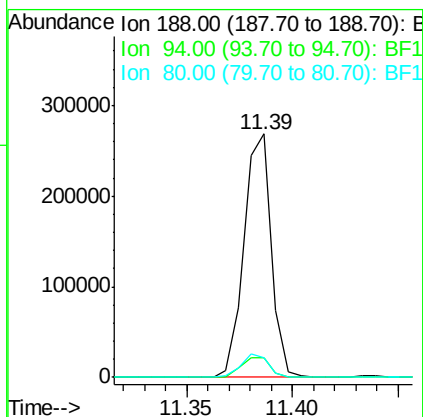
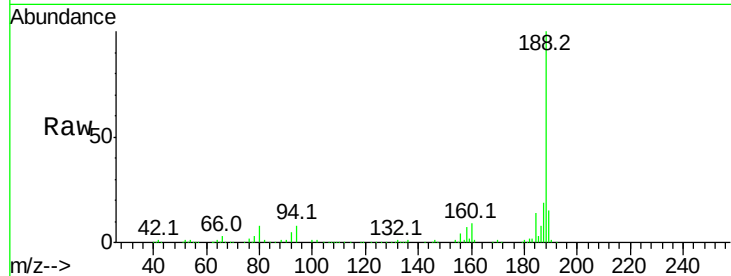




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

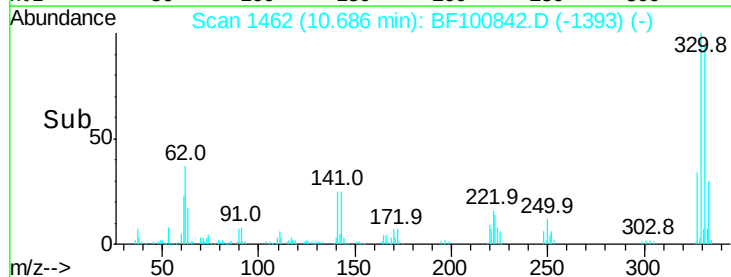
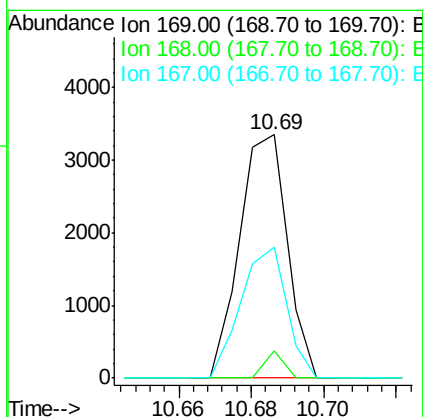
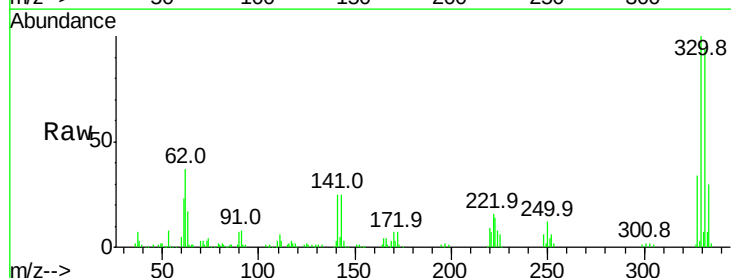
Instrument :
BNA_F
ClientSampleId :

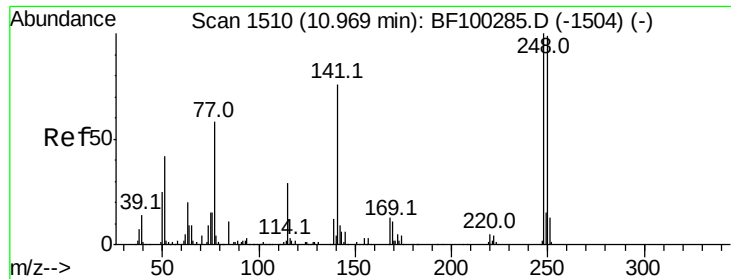
Tot Ion:188 Resp: 240356
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.2 9.2 13.8#



#65
n-Nitrosodiphenylamine
Concen: 0.365 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.11 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Tgt Ion:169 Resp: 3052
Ion Ratio Lower Upper
169 100
168 11.0 54.4 81.6#
167 53.7 29.8 44.6#

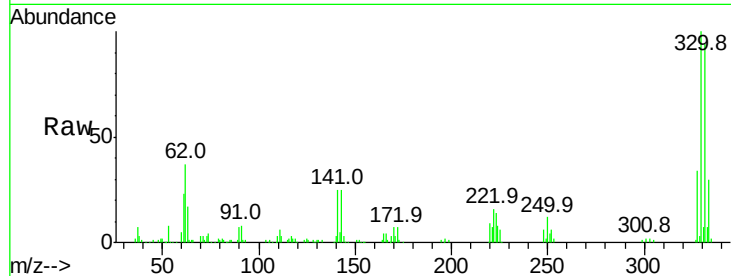




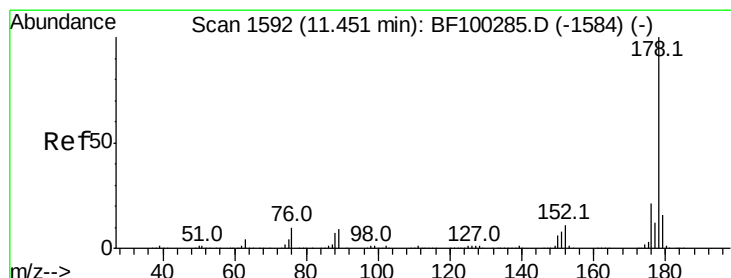
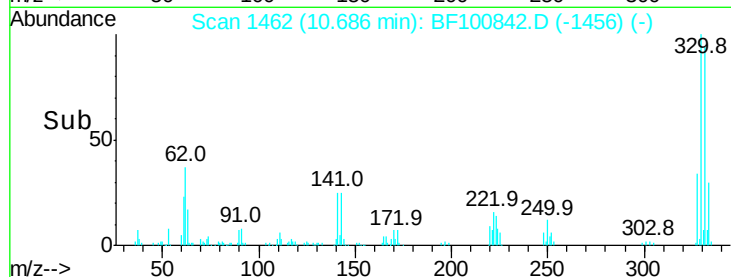
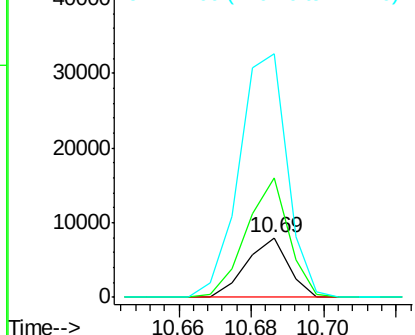
#66
4-Bromophenyl-phenylether
Concen: 2.467 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.26 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6356
Ion Ratio Lower Upper
248 100
250 200.2 76.9 115.3#
141 409.0 74.4 111.6#

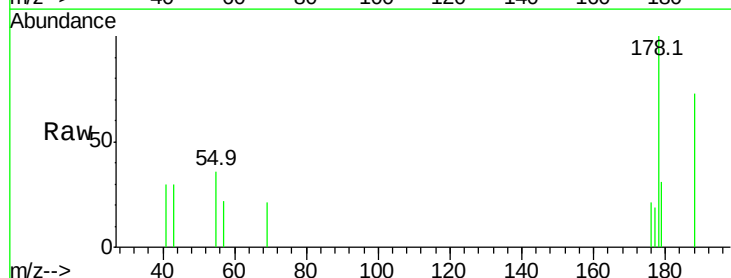


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

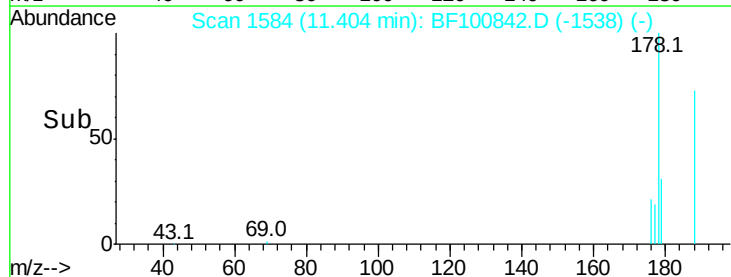
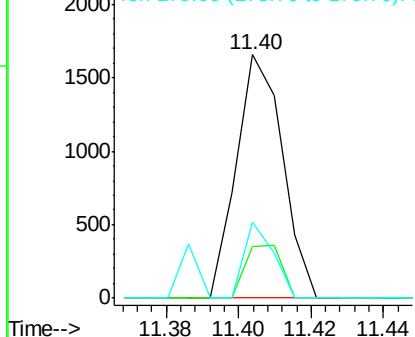


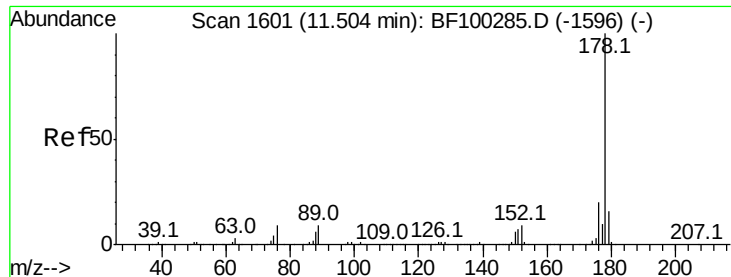
#70
Phenanthrene
Concen: 0.116 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Tgt Ion:178 Resp: 1474
Ion Ratio Lower Upper
178 100
176 21.0 15.8 23.8
179 31.4 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: 0.013 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.03 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

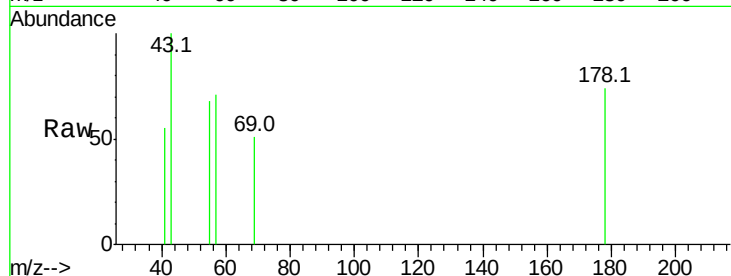
Tot Ion:178 Resp: 169

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

179 0.0 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.46

400

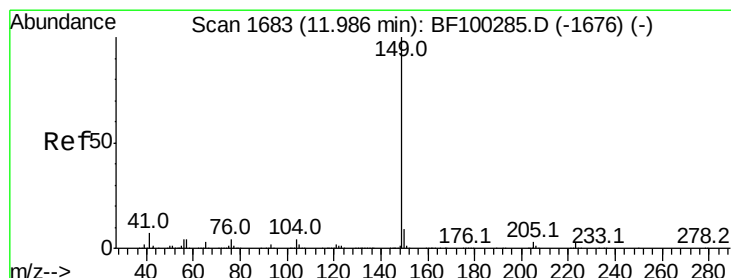
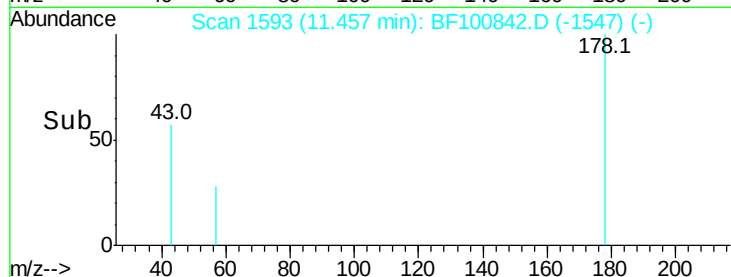
300

200

100

0

Time--> 11.44 11.46



#73

Di-n-butylphthalate

Concen: 0.226 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.02 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

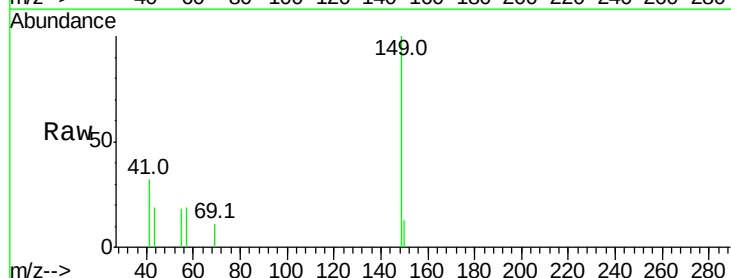
Tgt Ion:149 Resp: 3132

Ion Ratio Lower Upper

149 100

150 12.9 7.8 11.6#

104 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

11.94

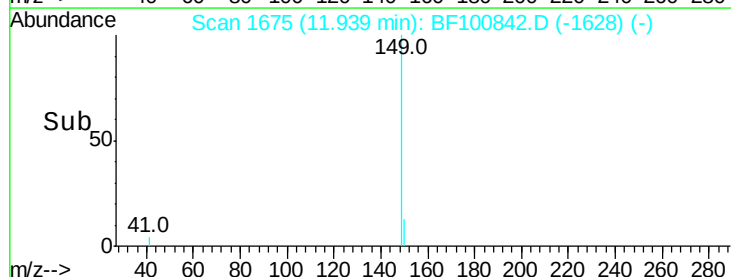
3000

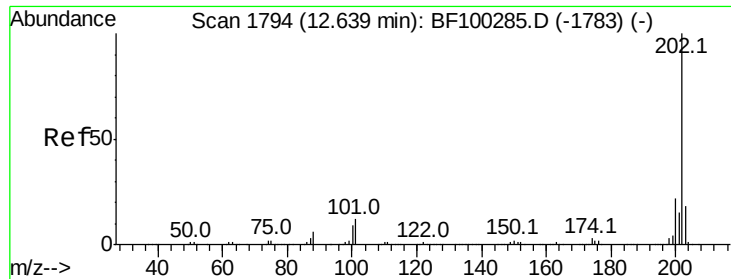
2000

1000

0

Time--> 11.90 11.95

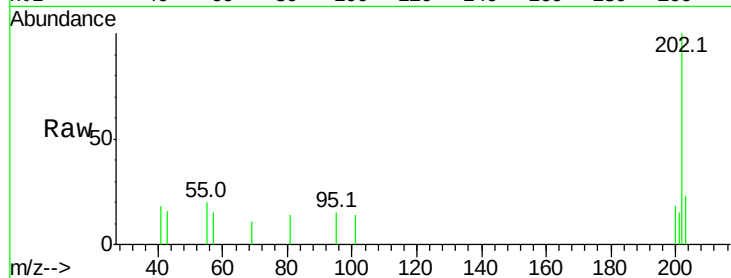




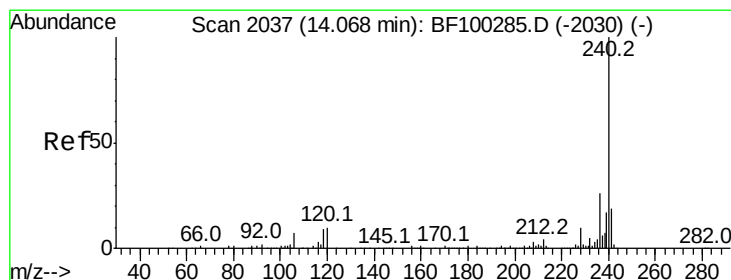
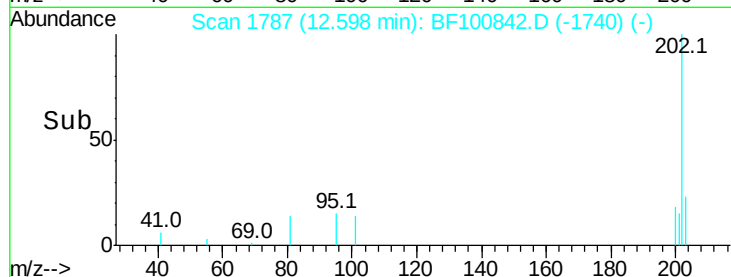
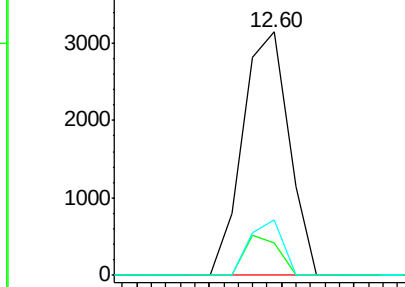
#74
 Fluoranthene
 Concen: 0.208 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.02 min
 Lab File: BF100842.D
 Acq: 22 Nov 2017 23:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	22.6	0.0	38.1

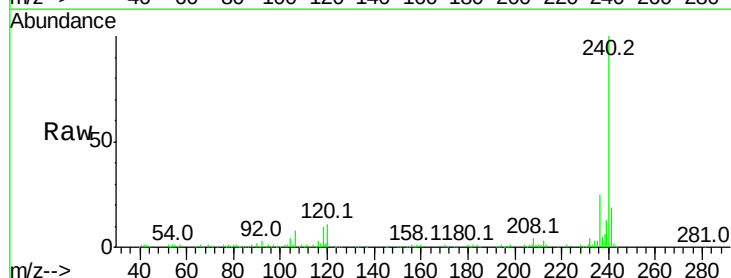


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

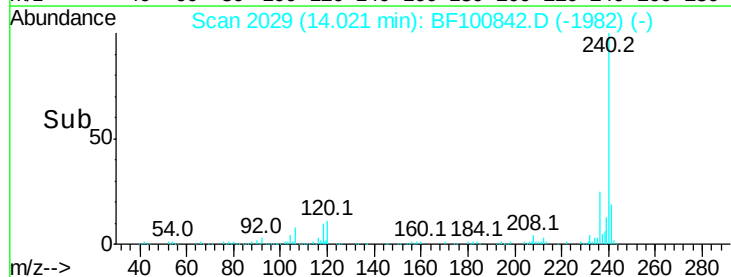
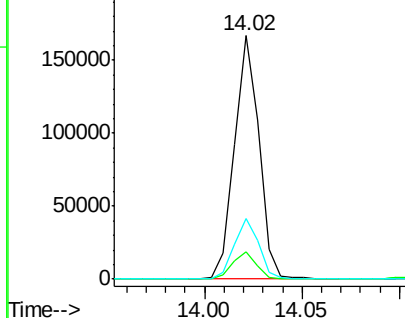


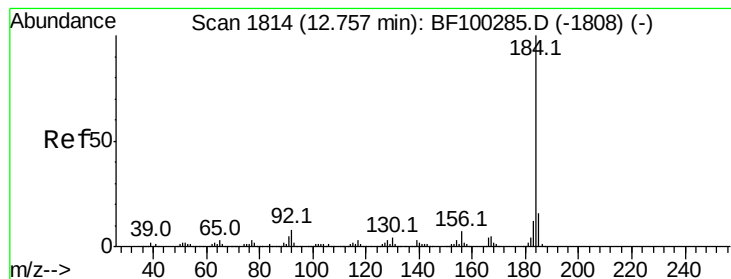
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.02 min
 Lab File: BF100842.D
 Acq: 22 Nov 2017 23:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.5	14.3
236	25.1	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: 0.674 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.23 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

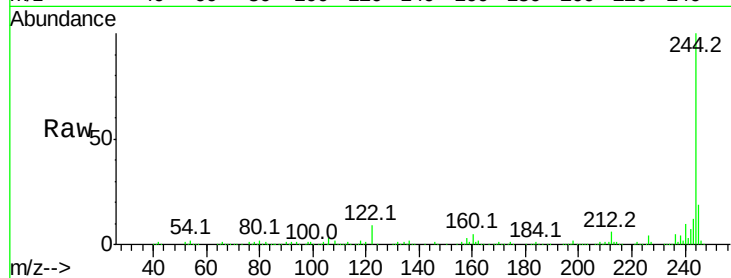
Tot Ion:184 Resp: 3945

Ion Ratio Lower Upper

184 100

185 18.5 12.6 18.8

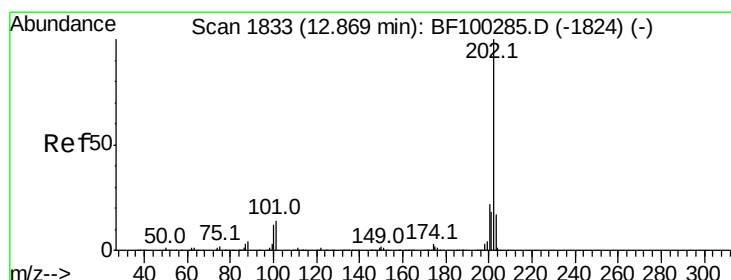
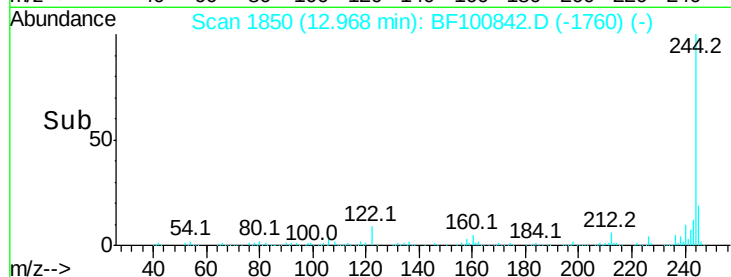
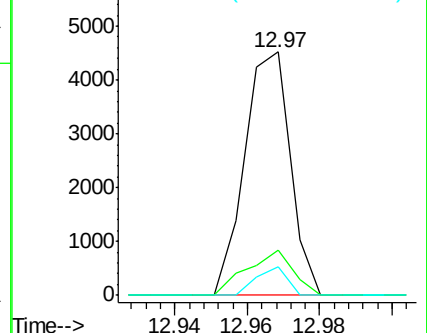
183 11.5 9.3 13.9



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

Pyrene

Concen: 0.266 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

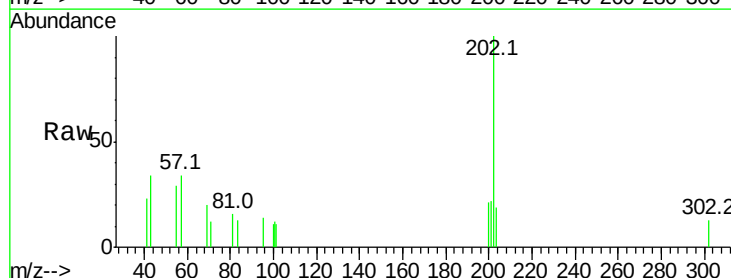
Tgt Ion:202 Resp: 2770

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

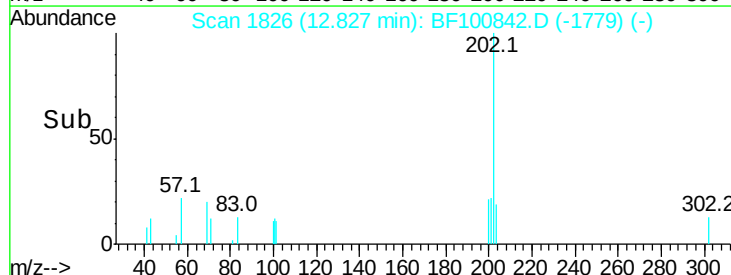
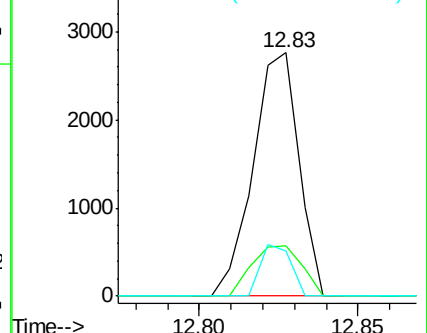
203 18.7 14.3 21.5

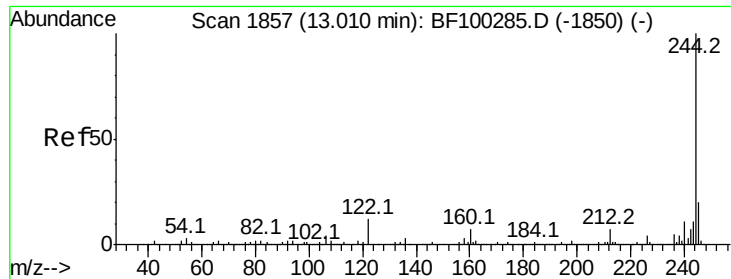


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.641 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampled :

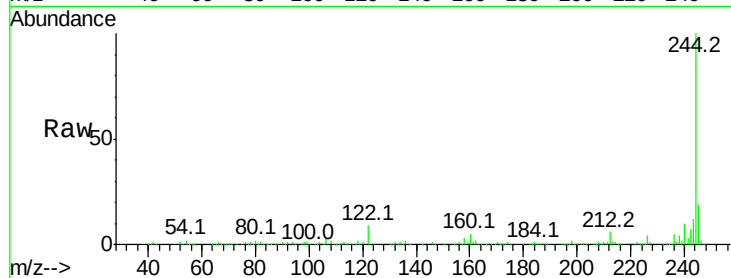
Tot Ion:244 Resp: 354041

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

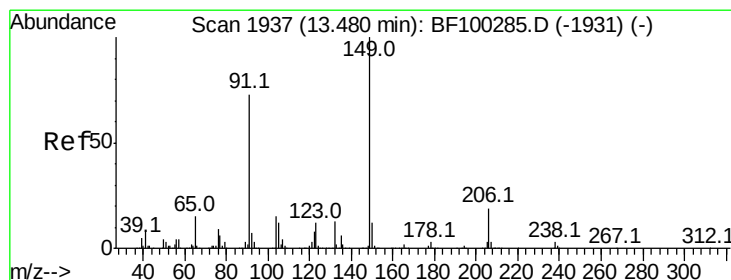
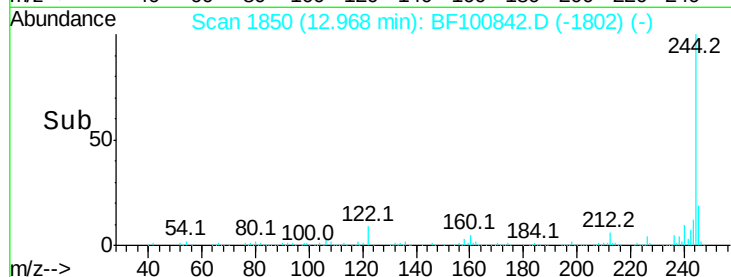
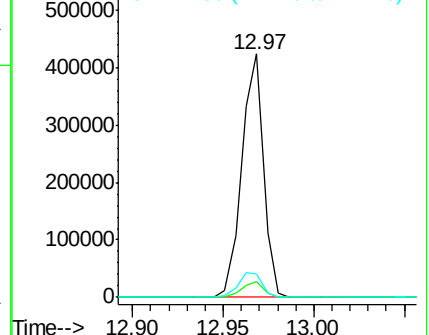
122 9.4 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 0.141 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.02 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

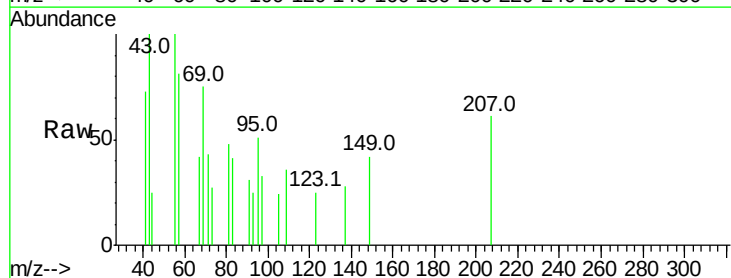
Tgt Ion:149 Resp: 600

Ion Ratio Lower Upper

149 100

91 73.6 56.8 85.2

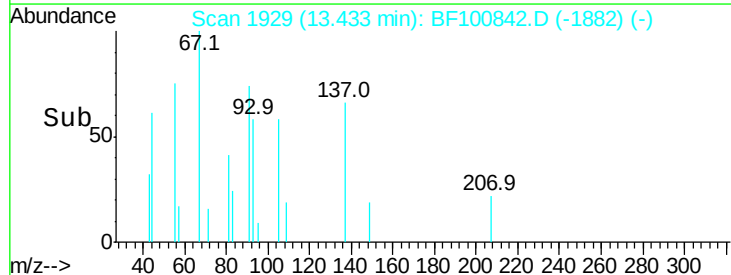
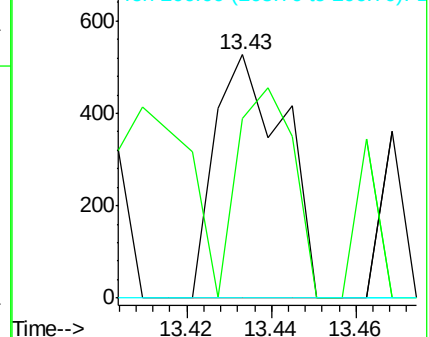
206 0.0 14.1 21.1#

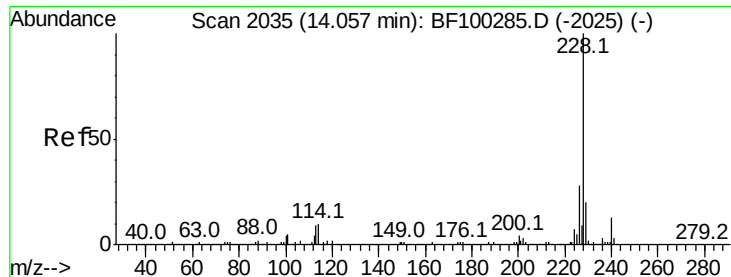


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

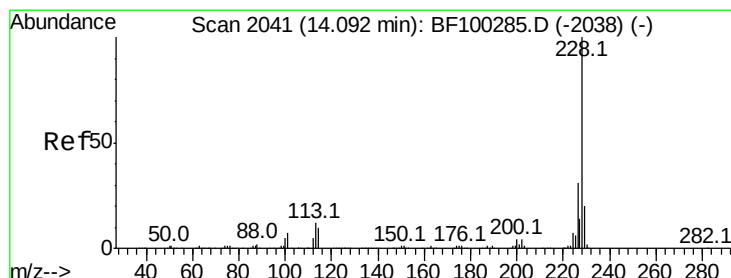
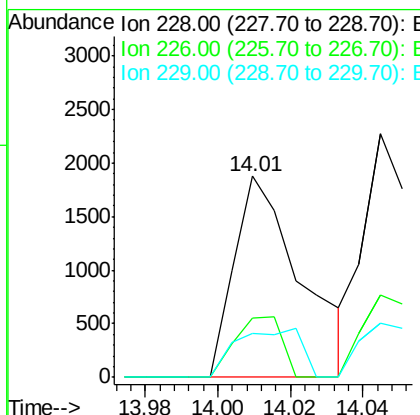
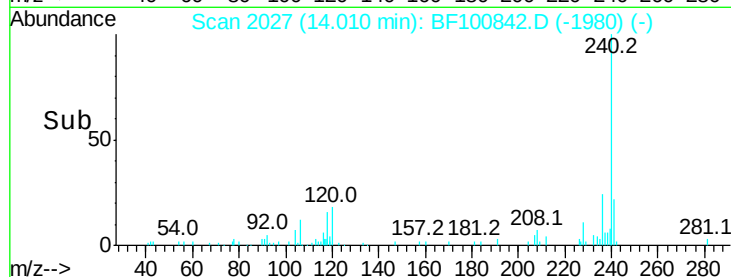
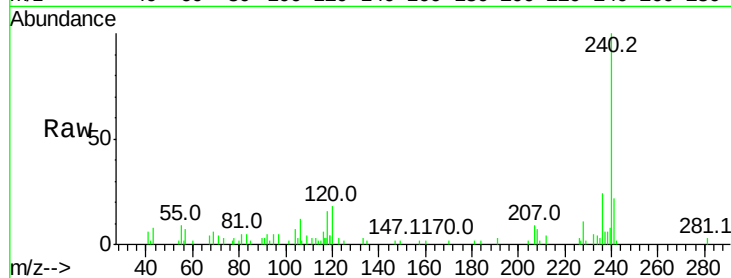




#80
Benzo(a)anthracene
Concen: 0.270 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

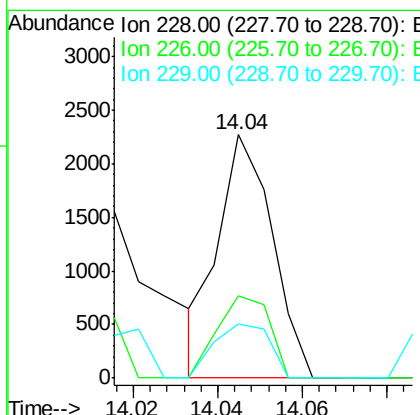
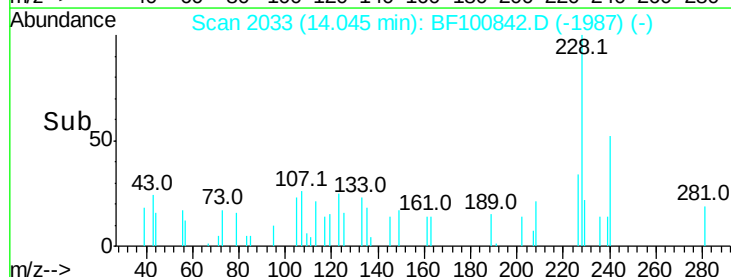
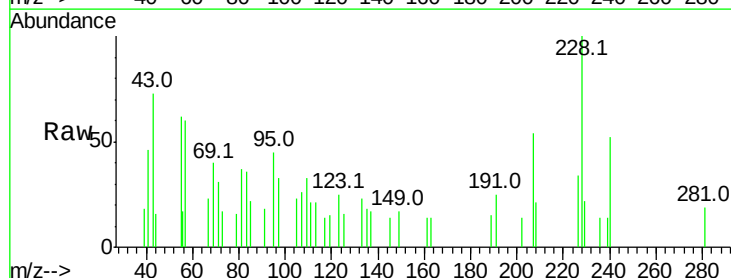
Instrument :
BNA_F
ClientSampleId :

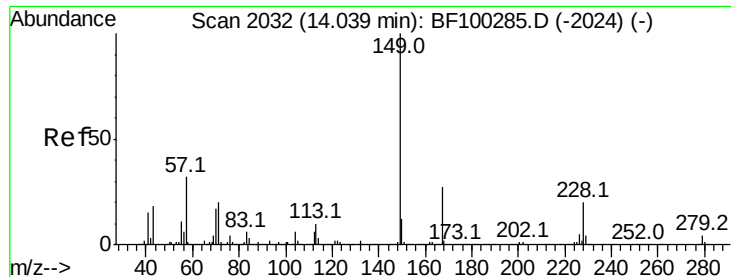
Tot Ion:228 Resp: 2381
Ion Ratio Lower Upper
228 100
226 29.8 22.6 33.8
229 21.9 15.8 23.6



#82
Chrysene
Concen: 0.236 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.03 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Tgt Ion:228 Resp: 2008
Ion Ratio Lower Upper
228 100
226 34.1 25.0 37.6
229 22.1 16.2 24.4

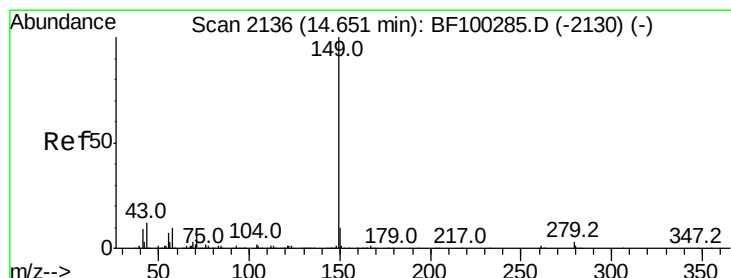
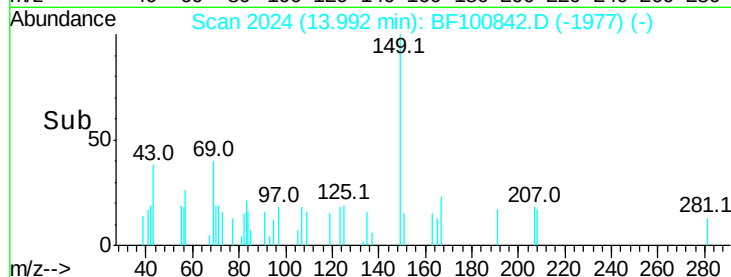
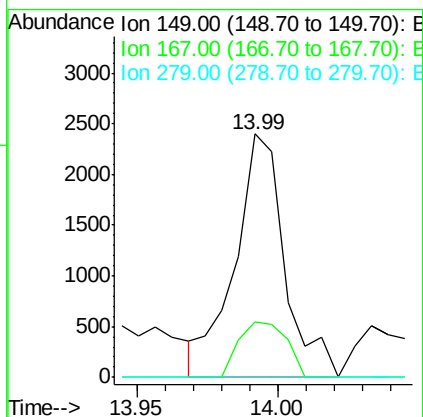
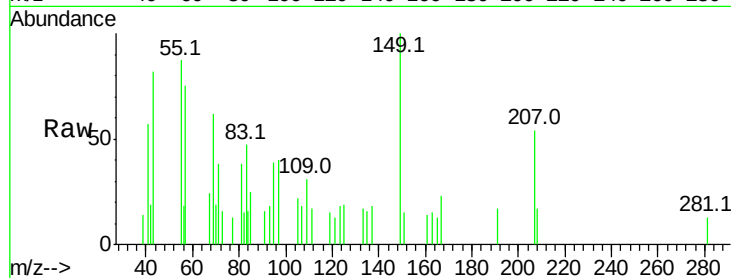




#83
Bis(2-ethylhexyl)phthalate
Concen: 0.525 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

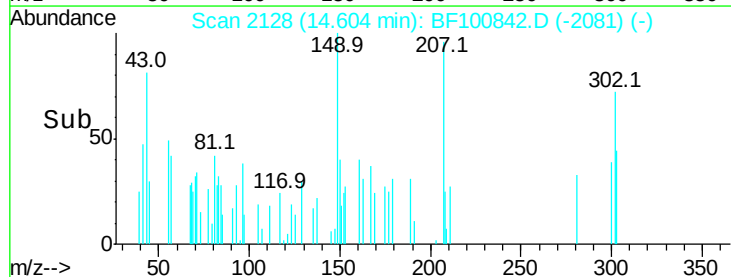
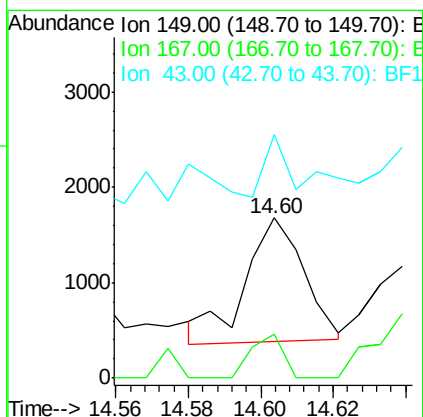
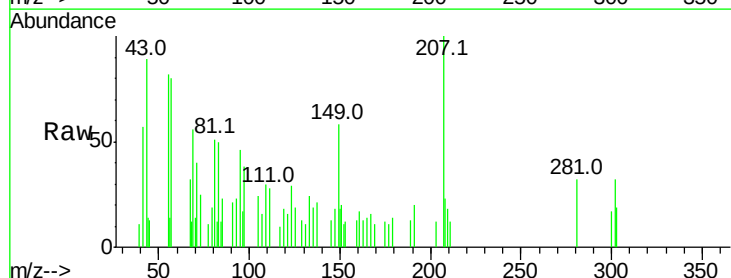
Instrument :
BNA_F
ClientSampleId :

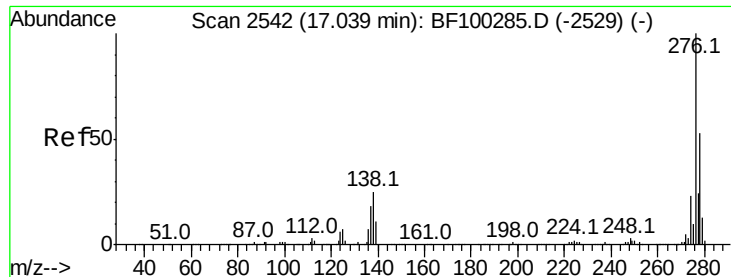
Tot Ion:149 Resp: 2935
Ion Ratio Lower Upper
149 100
167 22.8 21.3 31.9
279 0.0 3.0 4.4#



#84
Di-n-octyl phthalate
Concen: 0.150 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Tgt Ion:149 Resp: 1443
Ion Ratio Lower Upper
149 100
167 19.3 1.2 1.8#
43 33.5 8.4 12.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.264 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.04 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampled :

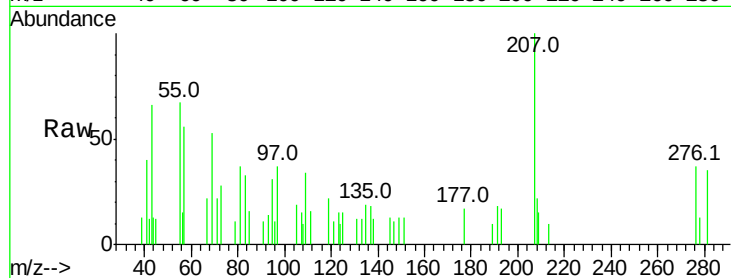
Tot Ion:276 Resp: 1823

Ion Ratio Lower Upper

276 100

138 0.0 25.0 37.6#

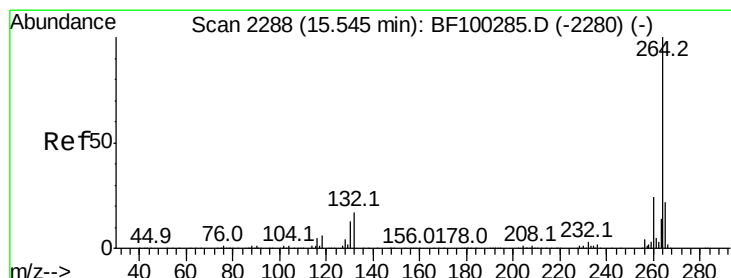
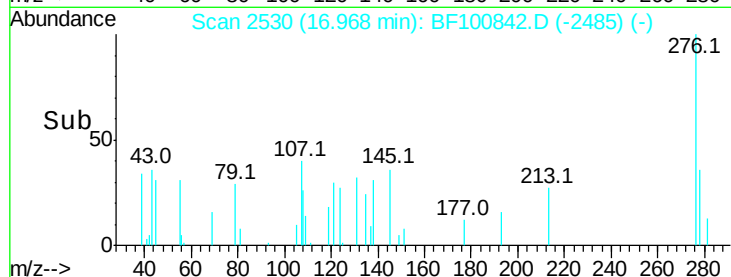
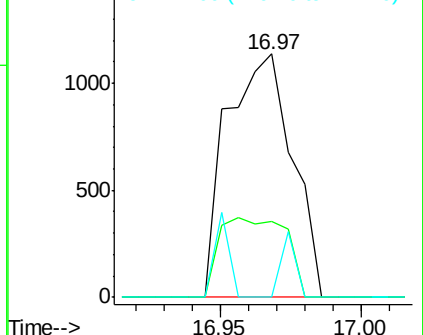
277 6.0 20.1 30.1#



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: 15.49 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

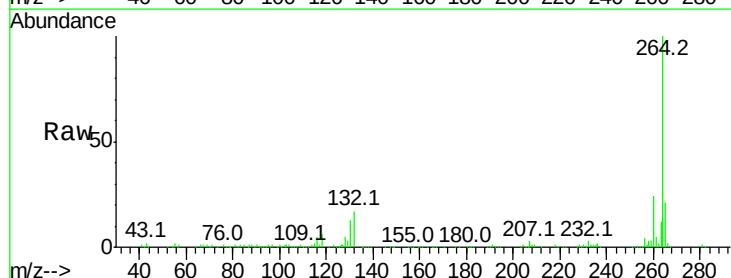
Tgt Ion:264 Resp: 174272

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

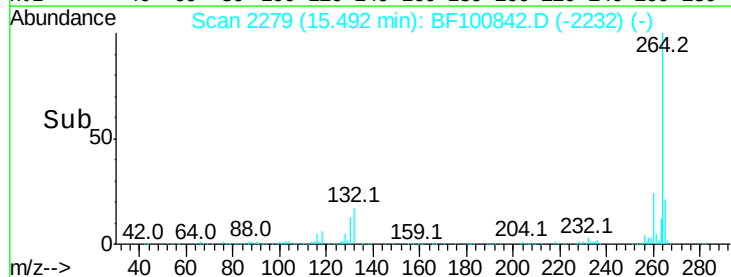
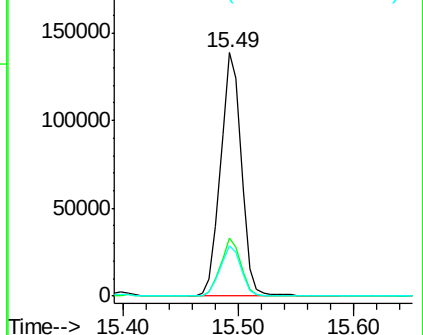
265 20.9 17.5 26.3

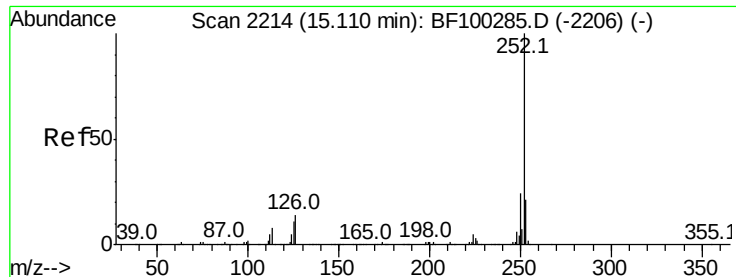


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

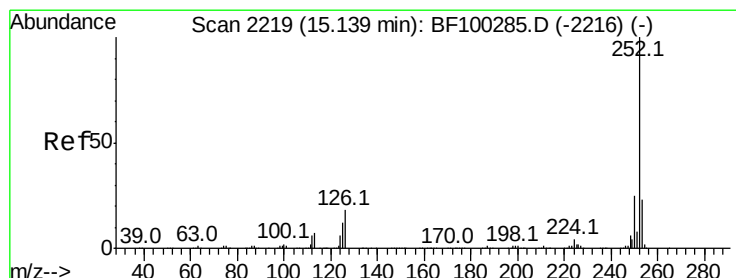
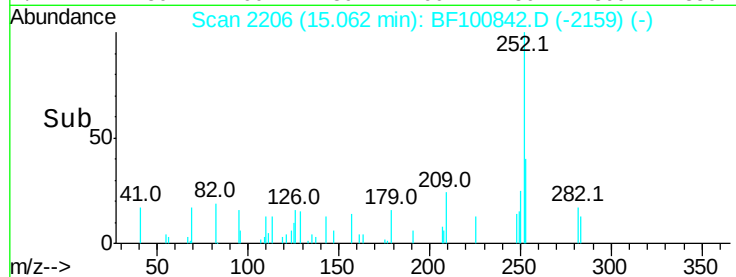
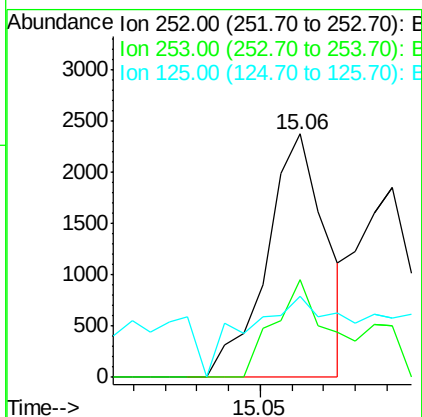
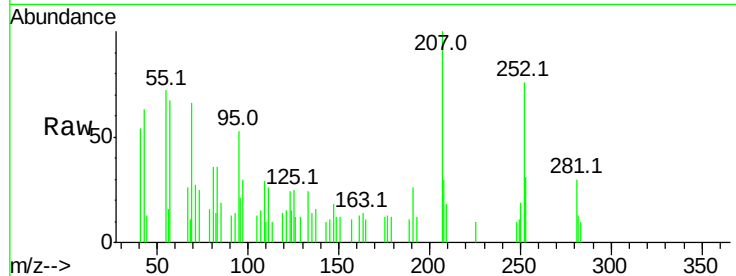




#87
Benzo(b)fluoranthene
Concen: 0.299 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

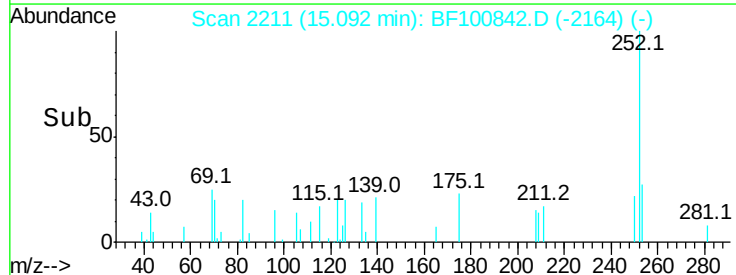
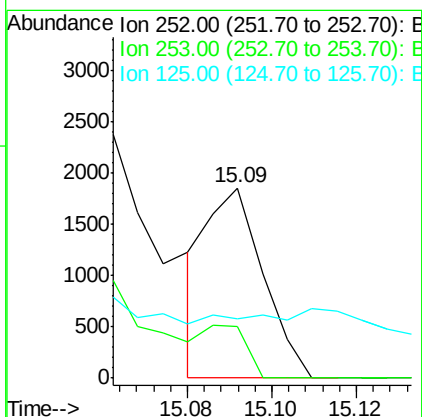
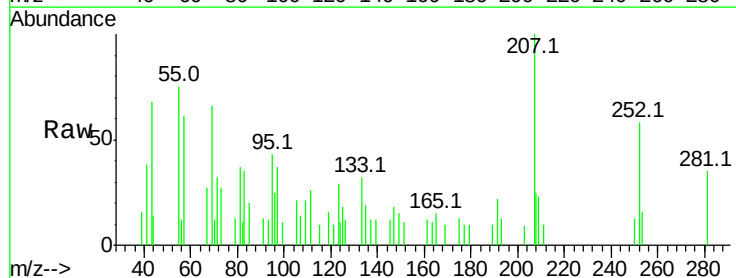
Instrument :
BNA_F
ClientSampleId :

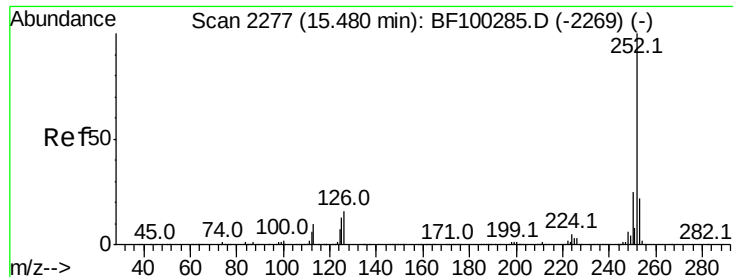
Tot Ion:252 Resp: 3089
Ion Ratio Lower Upper
252 100
253 40.4 17.0 25.6#
125 33.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 0.175 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100842.D
Acq: 22 Nov 2017 23:55

Tgt Ion:252 Resp: 1712
Ion Ratio Lower Upper
252 100
253 27.2 17.9 26.9#
125 31.2 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 0.198 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.03 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

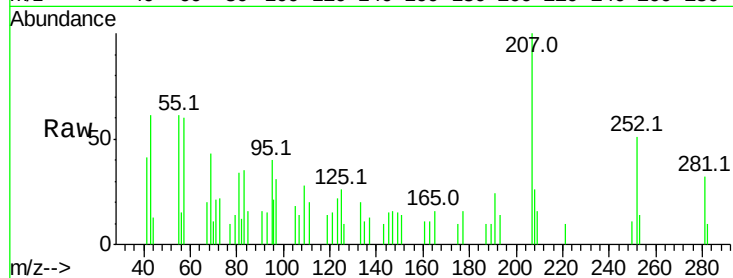
Tot Ion:252 Resp: 1815

Ion Ratio Lower Upper

252 100

253 27.6 17.1 25.7#

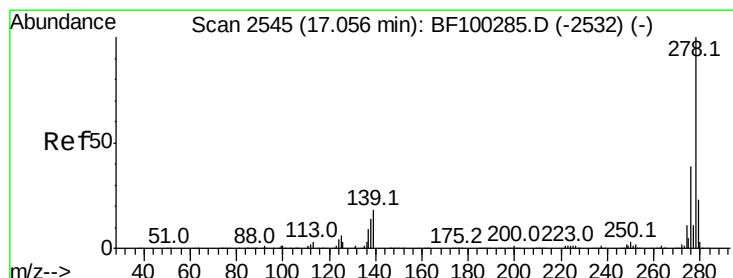
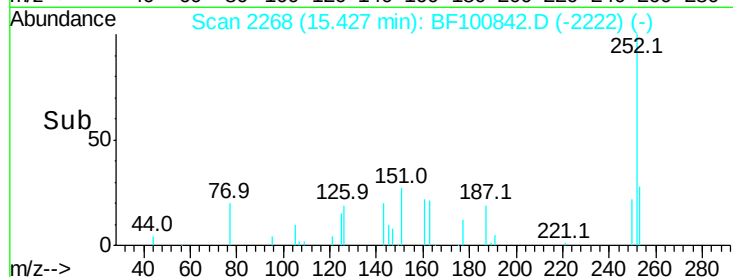
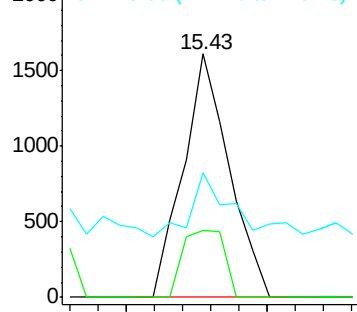
125 51.0 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 0.131 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

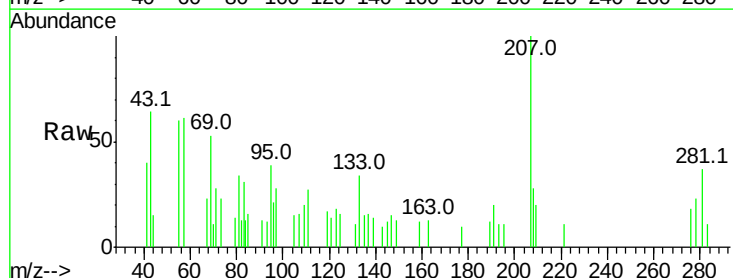
Tgt Ion:278 Resp: 979

Ion Ratio Lower Upper

278 100

139 63.1 15.9 23.9#

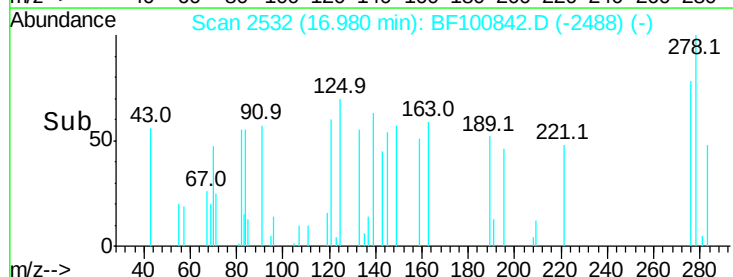
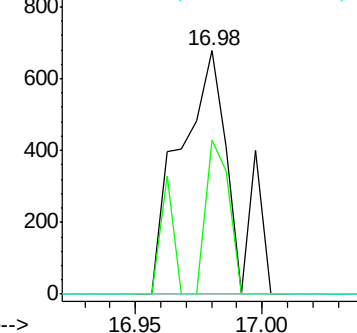
279 0.0 19.0 28.4#

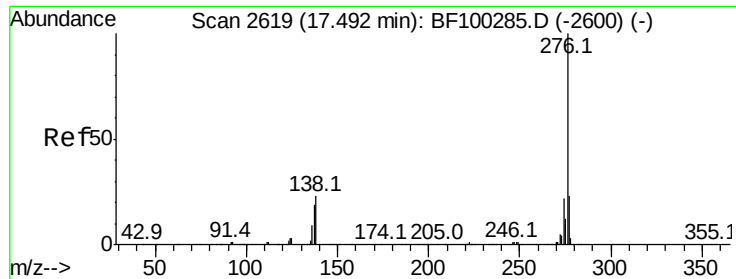


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.255 ng

RT: 17.41 min Scan# 2605

Delta R.T. -0.05 min

Lab File: BF100842.D

Acq: 22 Nov 2017 23:55

Instrument :

BNA_F

ClientSampleId :

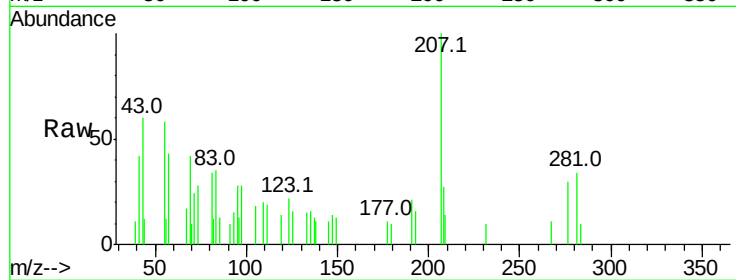
Tot Ion: 276 Resp: 1868

Ion Ratio Lower Upper

276 100

277 0.0 17.9 26.9#

138 35.1 21.8 32.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

