

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100849.D
 Acq On : 23 Nov 2017 3:01
 Operator : SJ/JU
 Sample : I6548-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 23:45:16 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	77148	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	292591	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	132306	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	222930	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	151592	20.00	ng	-0.02
86) Perylene-d12	15.50	264	169145	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	99232	20.62	ng	-0.02
7) Phenol-d6	6.48	99	121606	20.49	ng	-0.03
23) Nitrobenzene-d5	7.42	82	74613	16.86	ng	-0.04
41) 2,4,6-Tribromophenol	10.68	330	26594	19.73	ng	-0.03
44) 2-Fluorobiphenyl	9.22	172	162073	18.65	ng	-0.02
78) Terphenyl-d14	12.96	244	113518	17.21	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.40	88	107	0.046	ng	# 20
9) Benzaldehyde	6.63	77	2198	0.519	ng	86
10) Phenol	6.49	94	3951	0.634	ng	87
15) Benzyl Alcohol	7.01	79	1171	0.253	ng	# 51
19) n-Nitroso-di-n-propylamine	7.42	70	9237	2.244	ng	# 83
25) Isophorone	7.42	82	74611	8.023	ng	# 64
31) Naphthalene	8.16	128	6723	0.477	ng	97
33) 4-Chloroaniline	8.16	127	813	0.139	ng	# 26
37) 2-Methylnaphthalene	8.95	142	913	0.098	ng	91
45) 1,1'-Biphenyl	9.32	154	866	0.076	ng	77
48) Acenaphthylene	9.76	152	22222	1.615	ng	98
49) Dimethylphthalate	9.61	163	12147	1.202	ng	# 97
50) 2,6-Dinitrotoluene	9.90	165	16821	8.412	ng	# 24
51) Acenaphthene	9.93	154	2012	0.240	ng	86
54) Dibenzofuran	10.10	168	1701	0.145	ng	# 85
55) 4-Nitrophenol	10.10	139	579	0.302	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	16821	6.668	ng	# 21
57) Fluorene	10.44	166	2603	0.303	ng	# 92
59) Diethylphthalate	10.30	149	4769	0.472	ng	98
65) n-Nitrosodiphenylamine	10.61	169	123	0.016	ng	# 24
66) 4-Bromophenyl-phenylether	10.69	248	1453	0.608	ng	# 1
70) Phenanthrene	11.40	178	51729	4.407	ng	97
71) Anthracene	11.46	178	15568	1.307	ng	99
72) Carbazole	11.61	167	3300	0.300	ng	98
73) Di-n-butylphthalate	11.94	149	1602	0.125	ng	# 78
74) Fluoranthene	12.60	202	110522	8.885	ng	94
76) Benzdine	12.96	184	1105	0.182	ng	# 73
77) Pyrene	12.83	202	124632	11.534	ng	98
79) Butylbenzylphthalate	13.54	149	118	0.027	ng	# 48
80) Benzo(a)anthracene	14.01	228	66174	7.249	ng	92
81) 3,3'-Dichlorobenzidine	14.06	252	834	0.255	ng	# 1
82) Chrysene	14.05	228	63768	7.214	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	1618	0.279	ng	# 73
84) Di-n-octyl phthalate	14.60	149	806	0.081	ng	# 34

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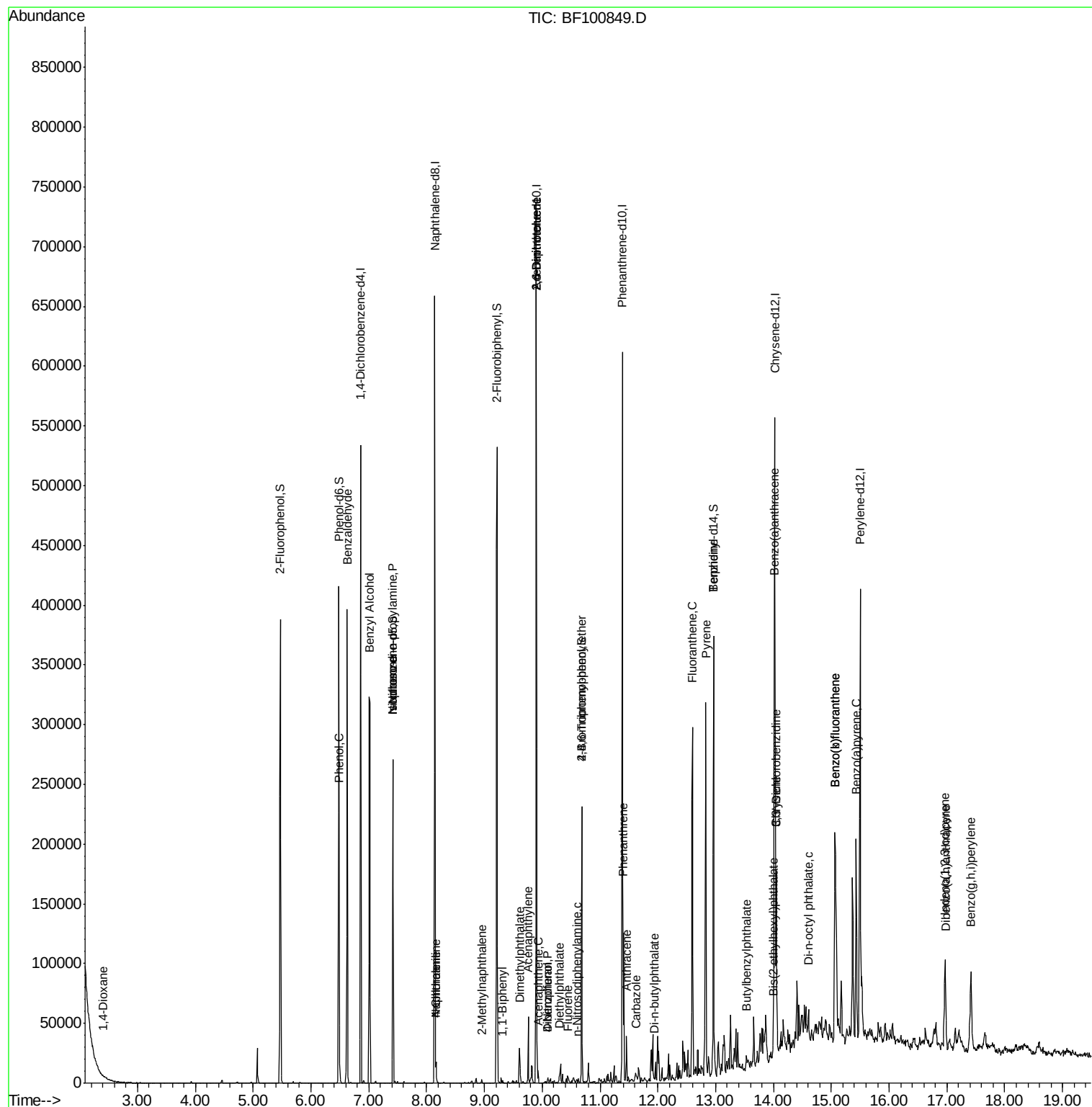
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	16.97	276	48995	6.852	ng	94
87) Benzo(b)fluoranthene	15.06	252	125908	12.564	ng	99
88) Benzo(k)fluoranthene	15.06	252	125908	13.298	ng	99
89) Benzo(a)pyrene	15.43	252	79503	8.949	ng	97
90) Dibenzo(a,h)anthracene	16.98	278	11491	1.582	ng	92
91) Benzo(a,h,i)perylene	17.42	276	53585	7.534	ng	92

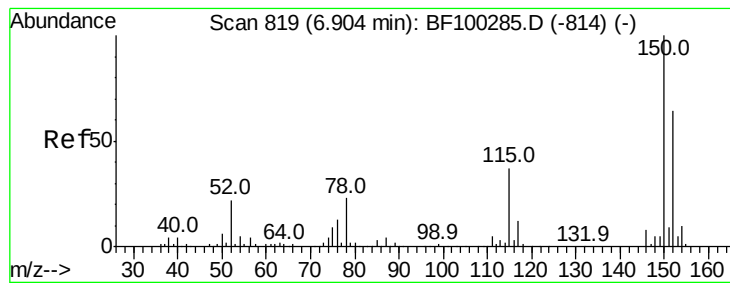
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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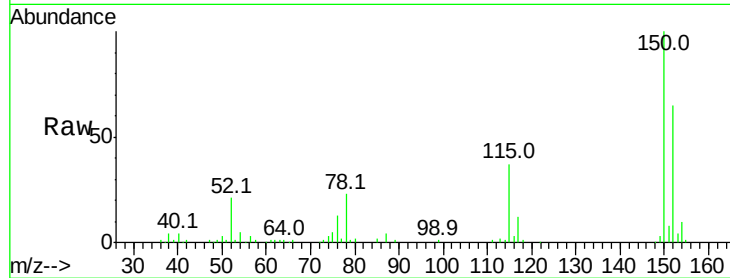


#1

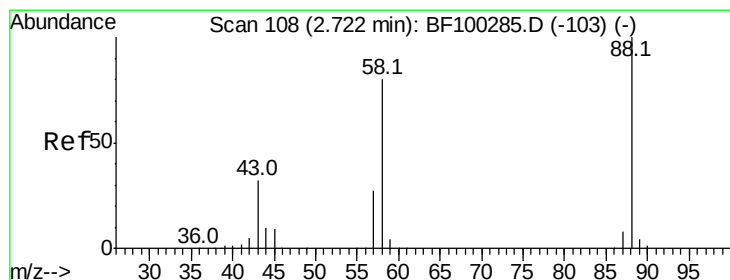
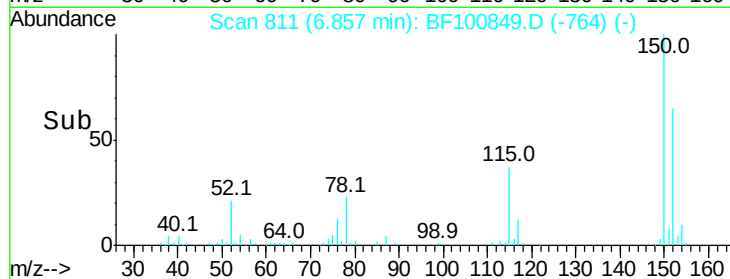
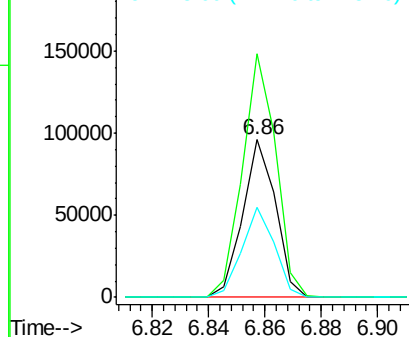
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77148
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 57.1 50.1 75.1



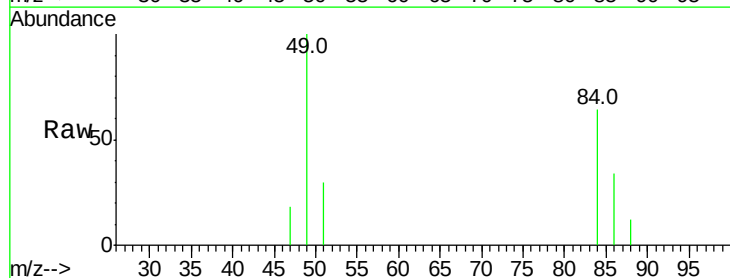
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



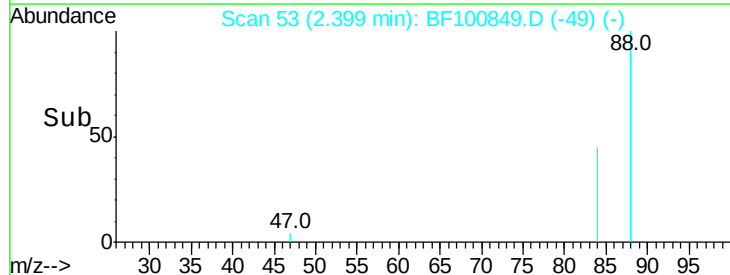
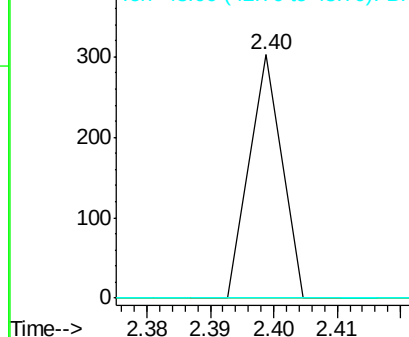
#2

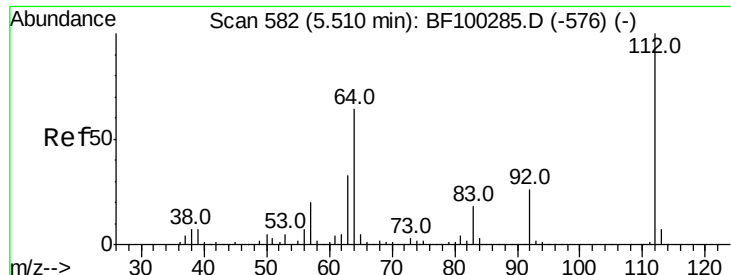
1,4-Dioxane
Concen: 0.046 ng
RT: 2.40 min Scan# 53
Delta R.T. -0.28 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

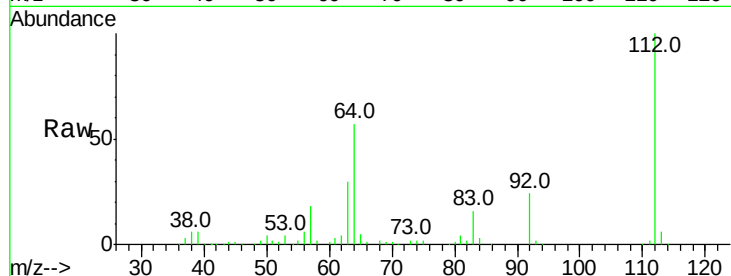




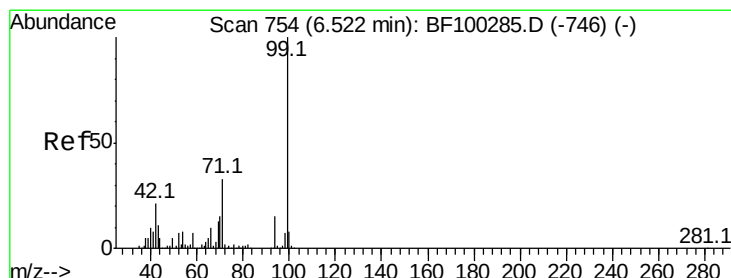
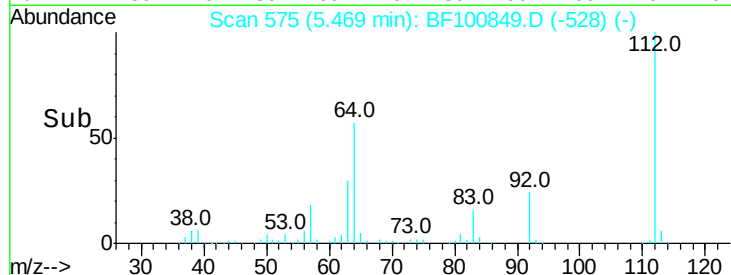
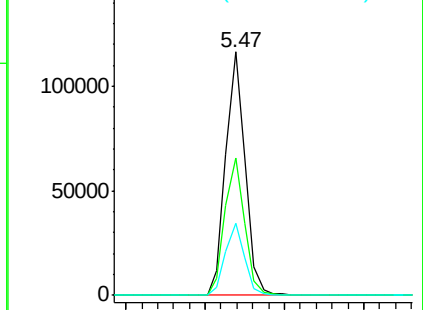
#5
 2-Fluorophenol
 Concen: 20.619 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	29.8	23.7	35.5

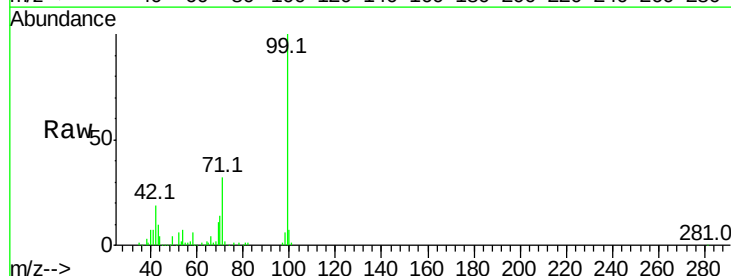


Abundance Ion 112.00 (111.70 to 112.70): BF1
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

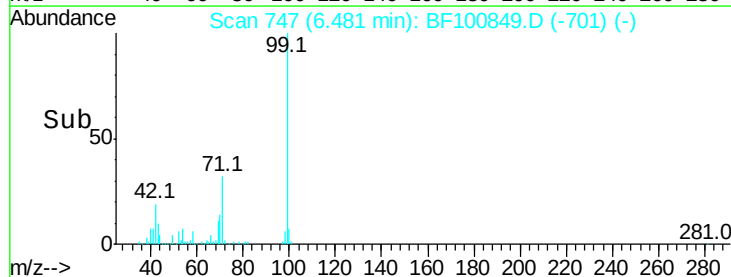
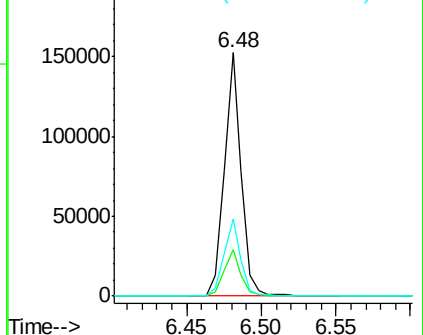


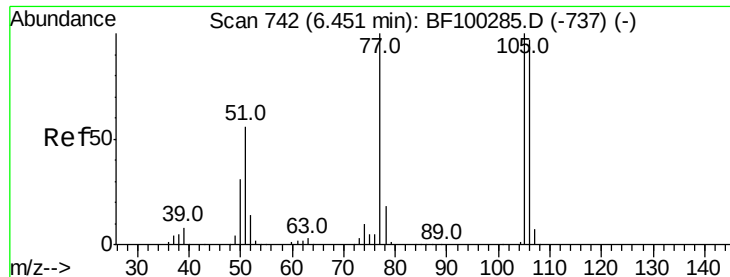
#7
 Phenol-d6
 Concen: 20.490 ng
 RT: 6.48 min Scan# 747
 Delta R.T. -0.03 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	31.8	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: 0.519 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.19 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

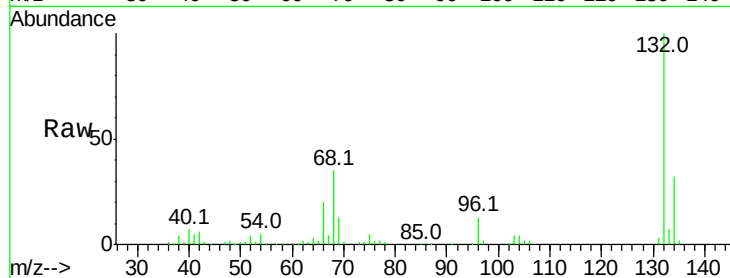
Tot Ion: 77 Resp: 2198

Ion Ratio Lower Upper

77 100

105 84.4 81.1 121.1

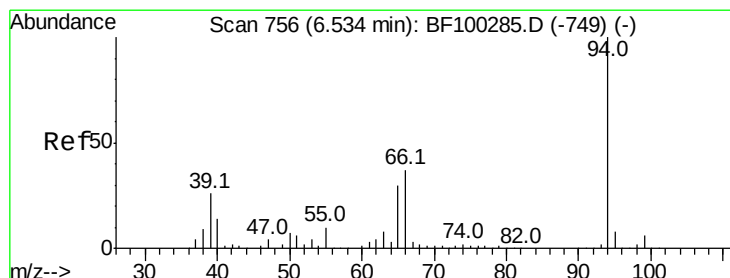
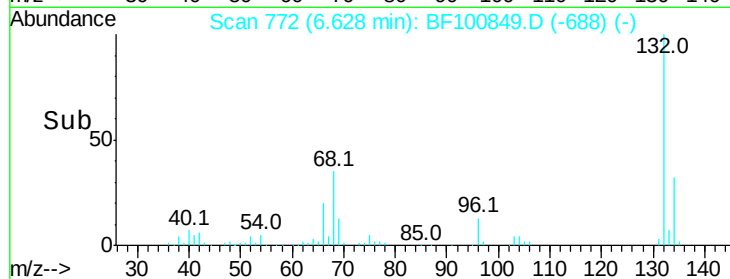
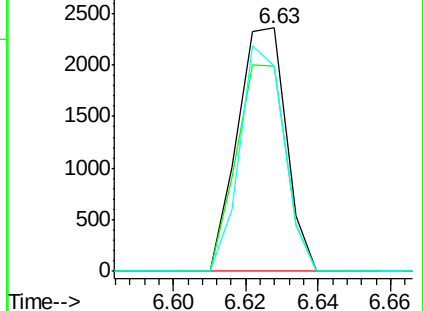
106 84.4 74.5 114.5



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: 0.634 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

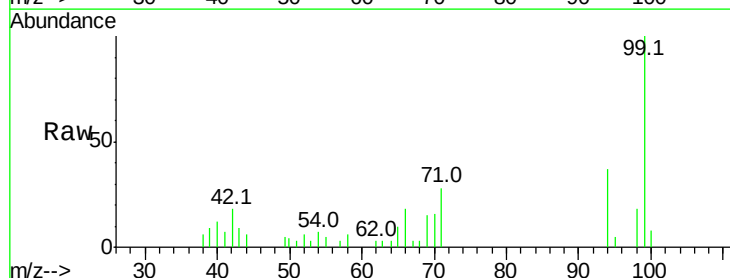
Tgt Ion: 94 Resp: 3951

Ion Ratio Lower Upper

94 100

65 27.6 7.9 47.9

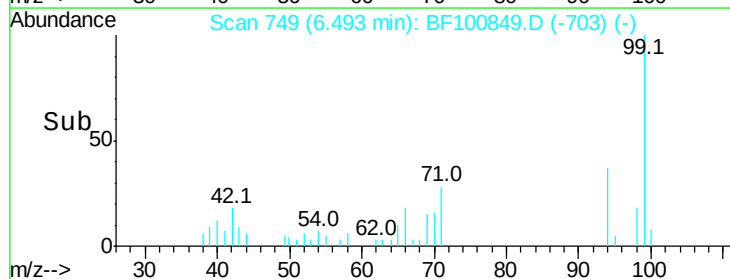
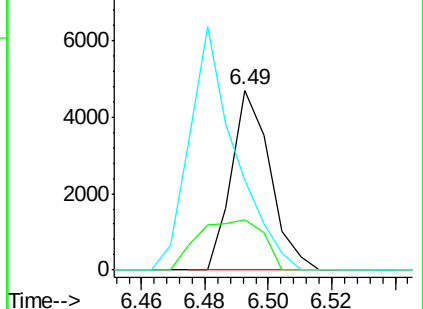
66 50.1 16.2 56.2

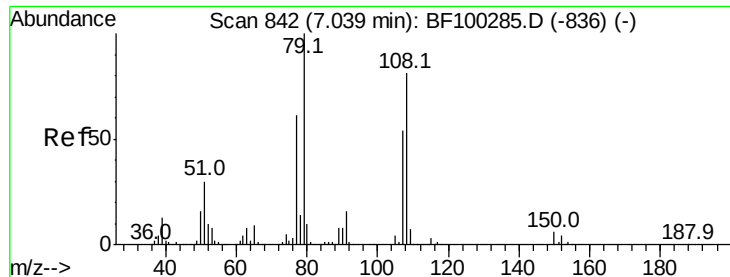


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 0.253 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampled :

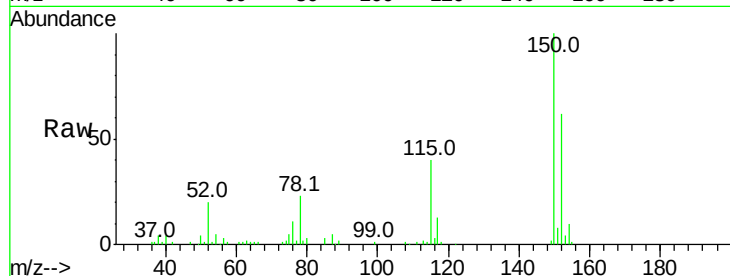
Tot Ion: 79 Resp: 1171

Ion Ratio Lower Upper

79 100

108 29.1 65.1 97.7#

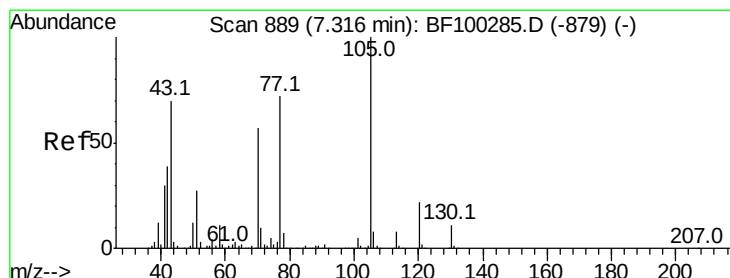
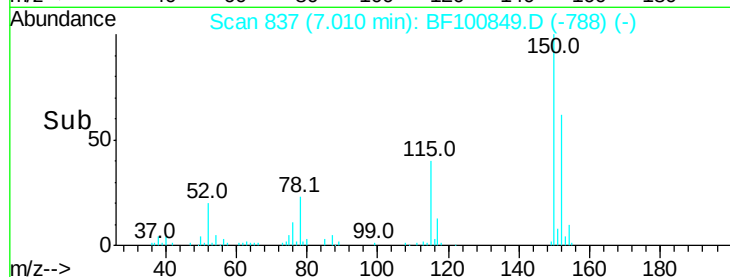
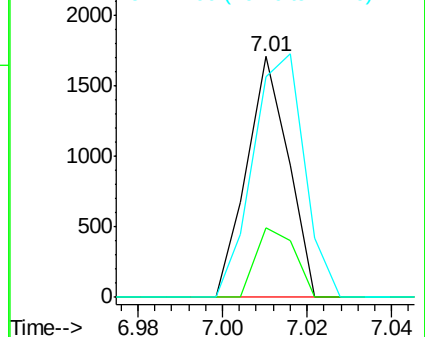
77 91.6 50.6 75.8#



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: 2.244 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.12 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Tgt Ion: 70 Resp: 9237

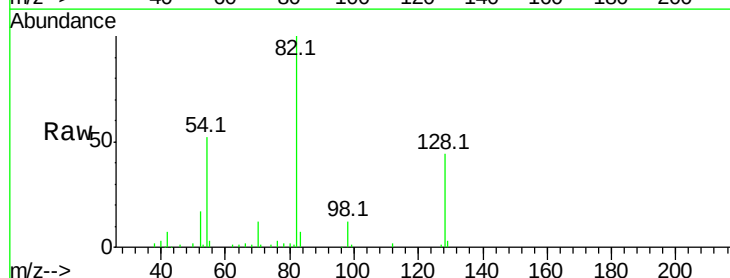
Ion Ratio Lower Upper

70 100

42 54.9 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

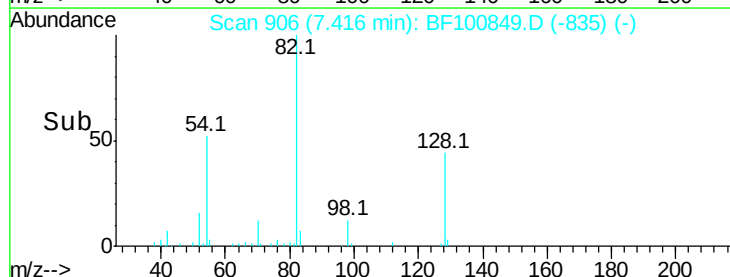
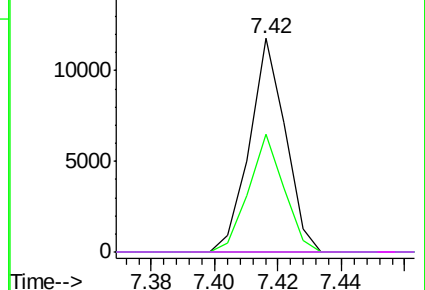


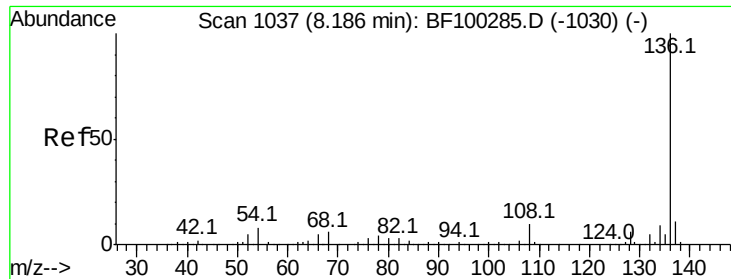
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

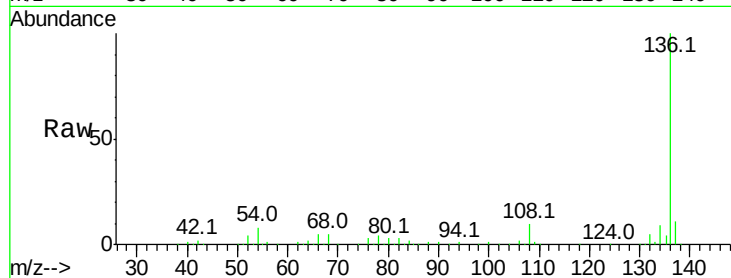




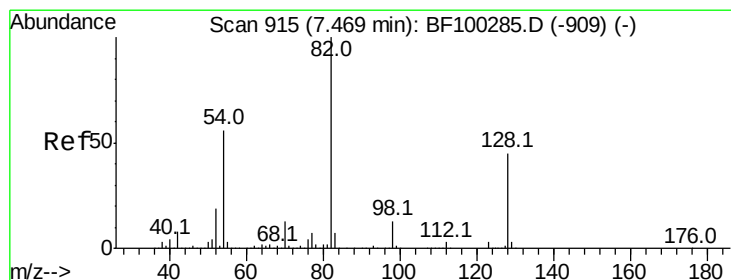
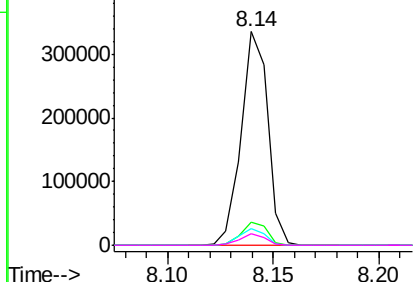
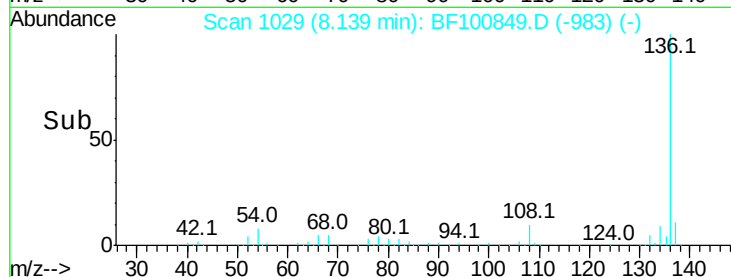
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	292591
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.9	6.6	9.8
68	5.5	5.0	7.4

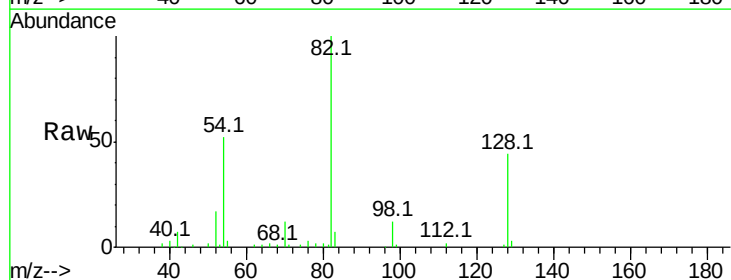


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

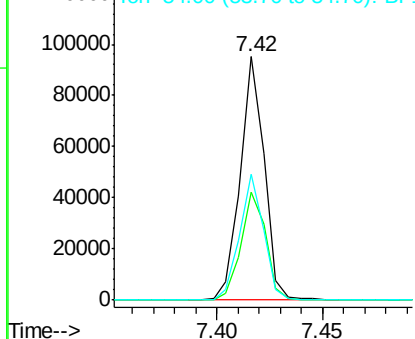
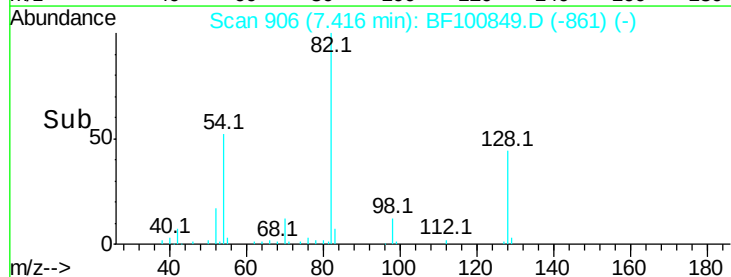


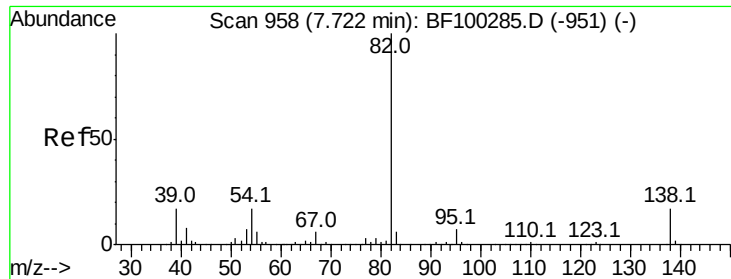
#23
Nitrobenzene-d5
Concen: 16.859 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.04 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:	82	Resp:	74613
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	51.9	41.4	62.2



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





#25

Isophorone

Concen: 8.023 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.29 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

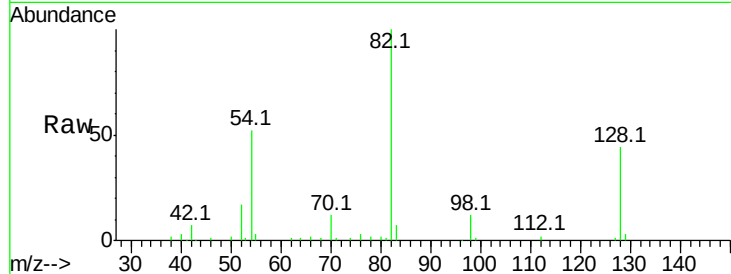
Tot Ion: 82 Resp: 74611

Ion Ratio Lower Upper

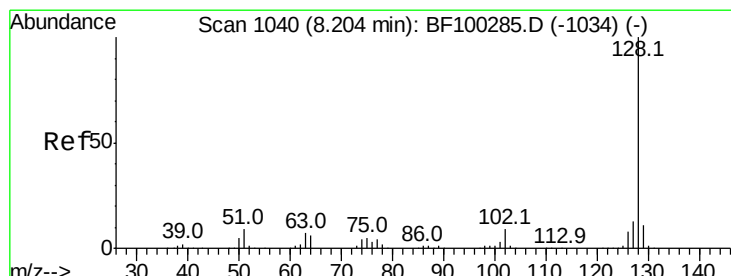
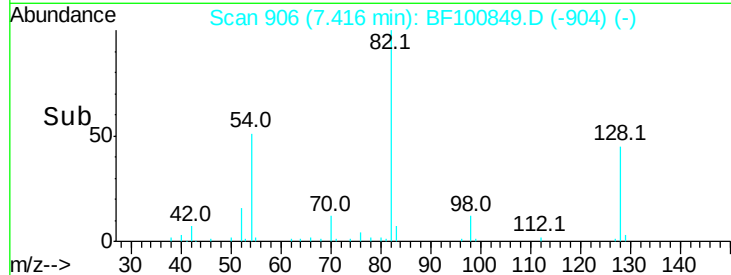
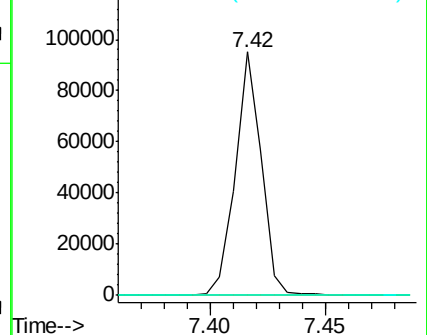
82 100

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



#31

Naphthalene

Concen: 0.477 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

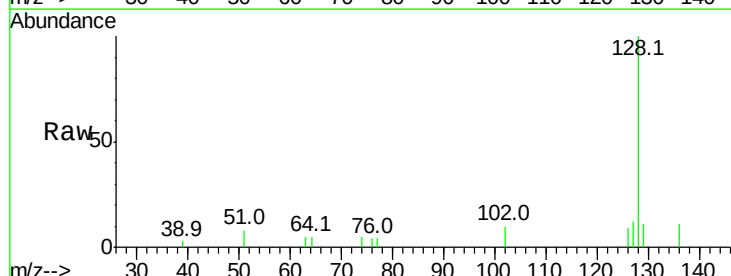
Tgt Ion: 128 Resp: 6723

Ion Ratio Lower Upper

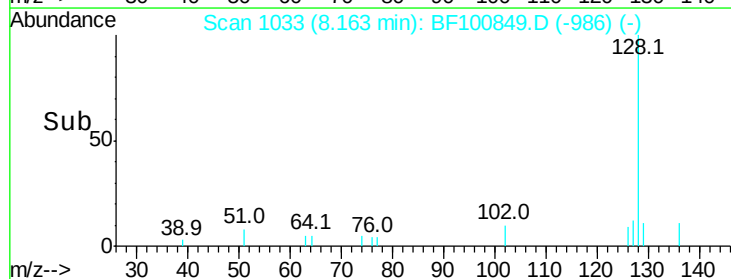
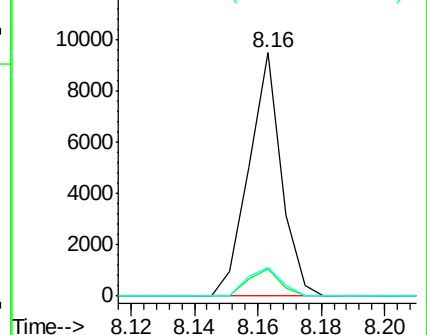
128 100

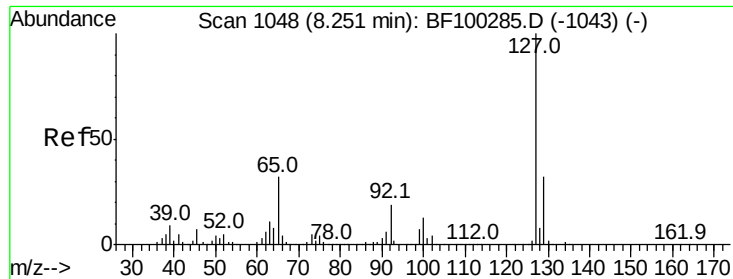
129 11.1 8.8 13.2

127 11.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

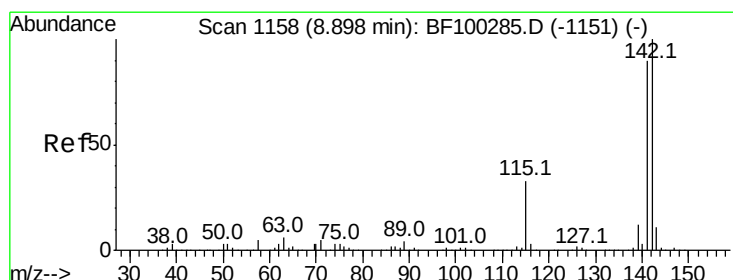
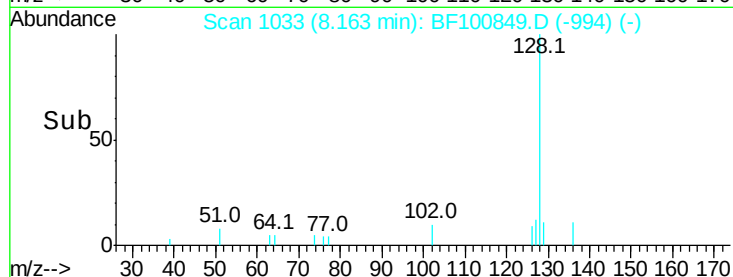
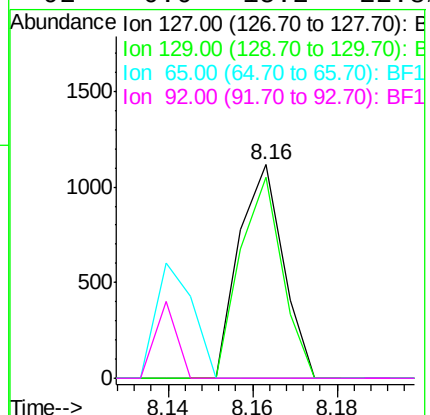
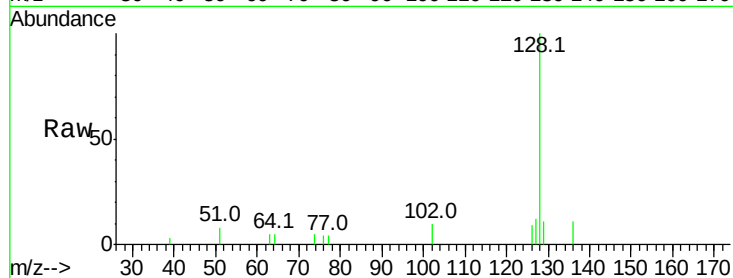




#33
4-Chloroaniline
Concen: 0.139 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.07 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

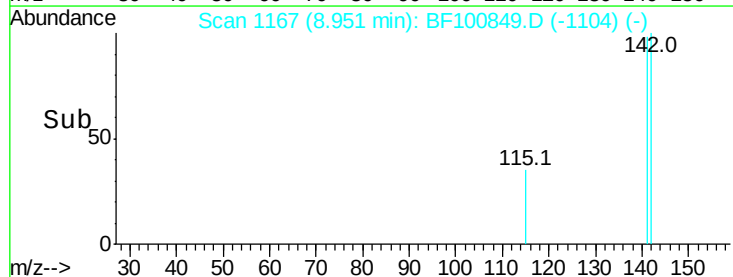
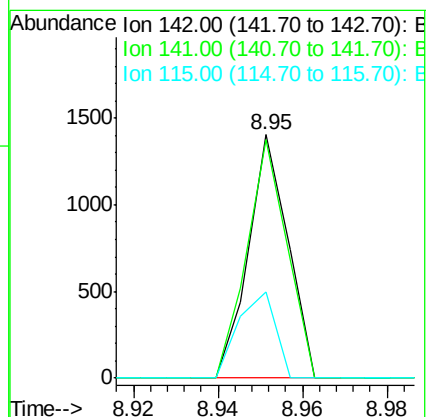
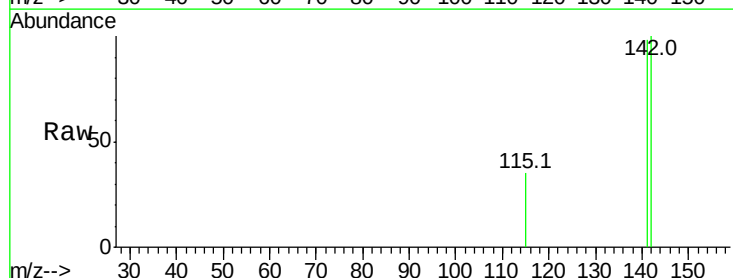
Instrument :
BNA_F
ClientSampleId :

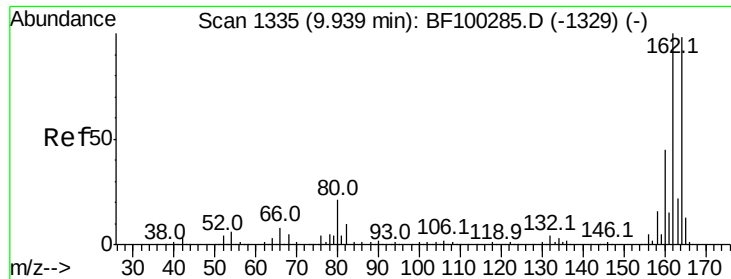
Tot Ion:	127	Resp:	813
Ion	Ratio	Lower	Upper
127	100		
129	94.1	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 0.098 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.07 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:	142	Resp:	913
Ion	Ratio	Lower	Upper
142	100		
141	97.9	70.8	106.2
115	35.3	26.1	39.1

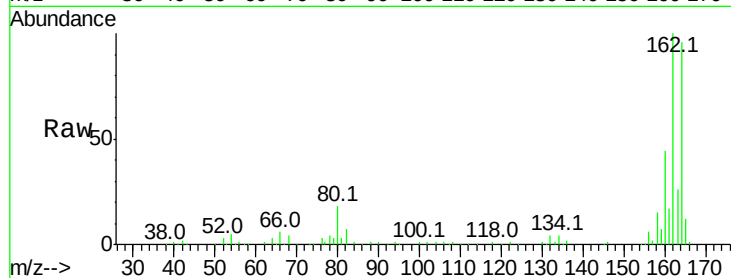




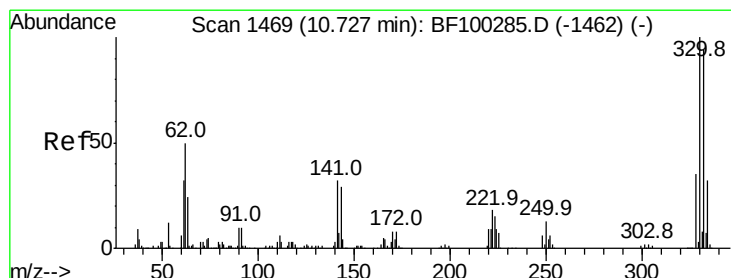
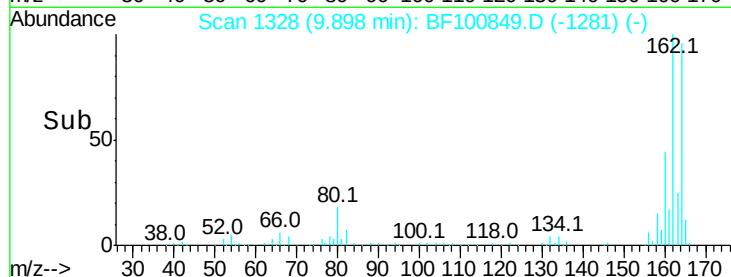
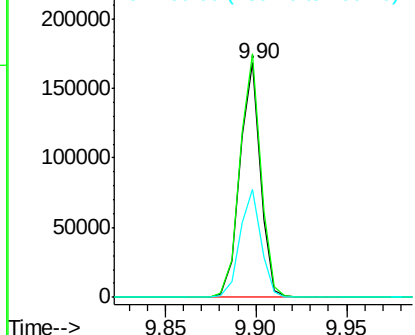
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 132306
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 45.8 38.3 57.5

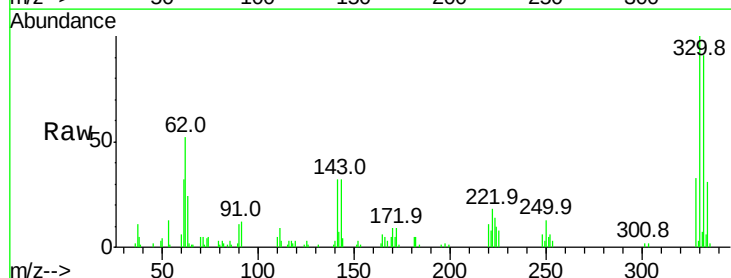


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

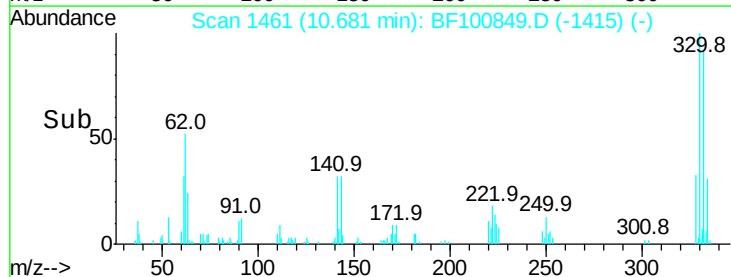
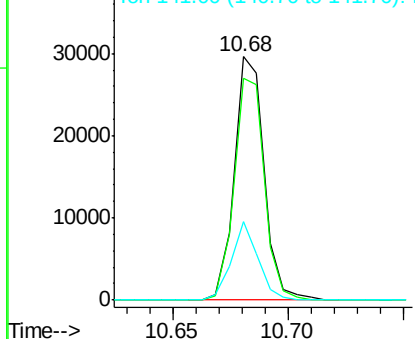


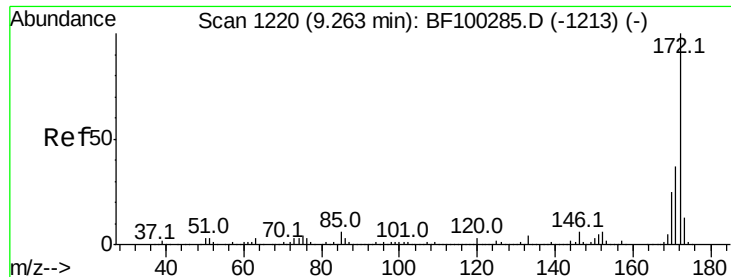
#41
2,4,6-Tribromophenol
Concen: 19.726 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:330 Resp: 26594
Ion Ratio Lower Upper
330 100
332 92.7 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

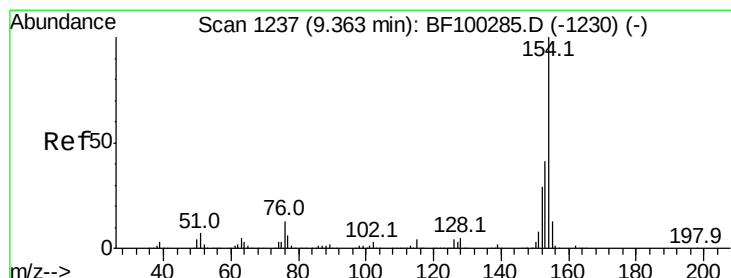
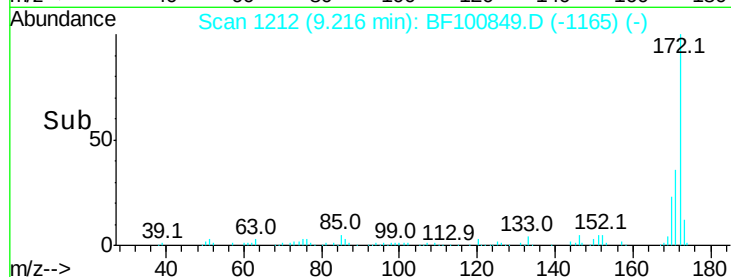
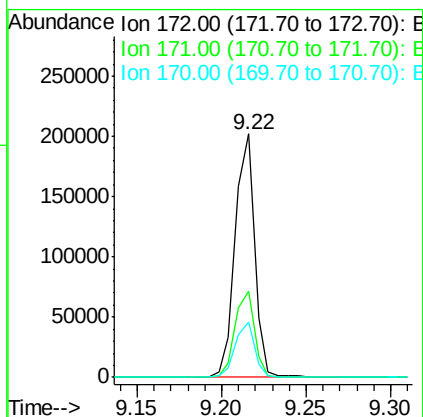
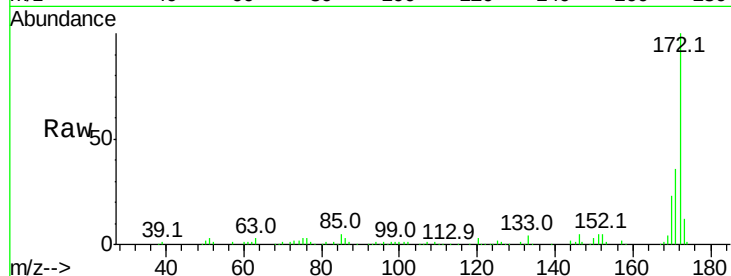




#44
 2-Fluorobiphenyl
 Concen: 18.653 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

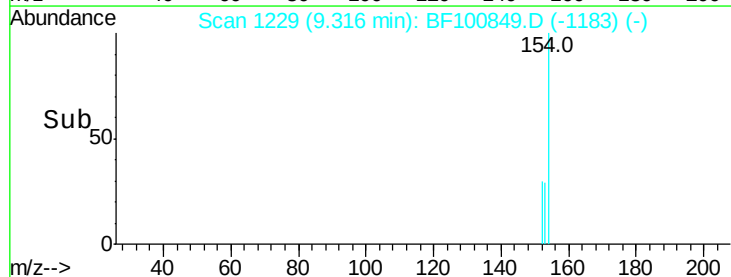
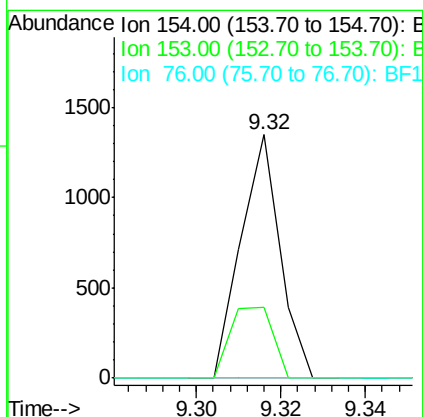
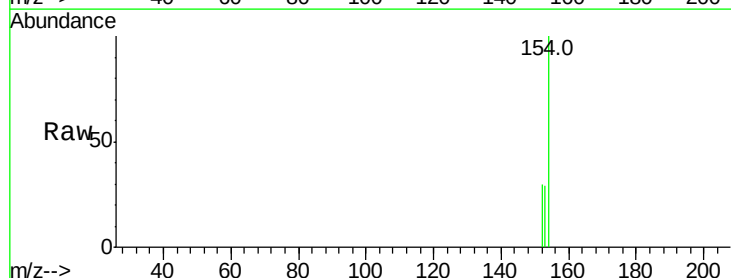
Instrument :
 BNA_F
 ClientSampleId :

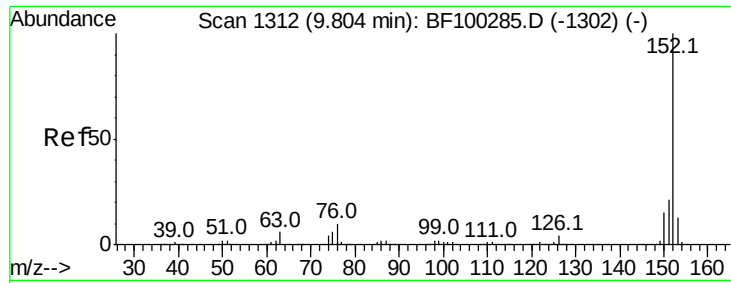
Tot Ion:172 Resp: 162073
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 22.7 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 0.076 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Tgt Ion:154 Resp: 866
 Ion Ratio Lower Upper
 154 100
 153 29.4 21.3 61.3
 76 0.0 0.0 34.0

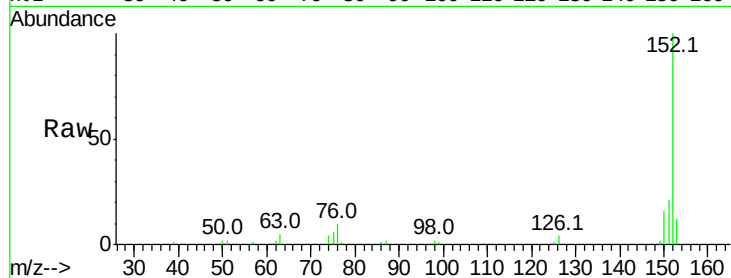




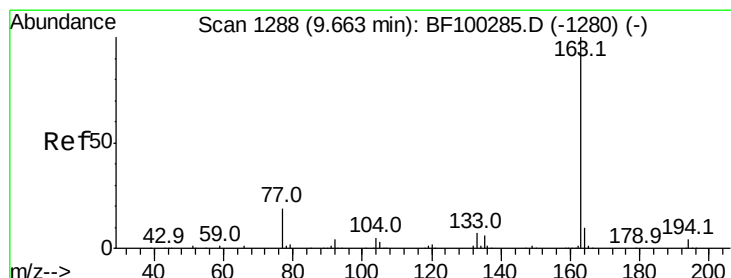
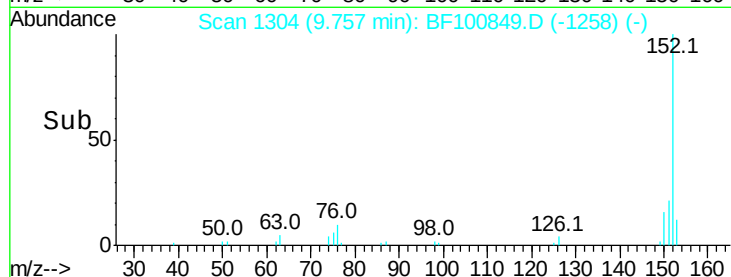
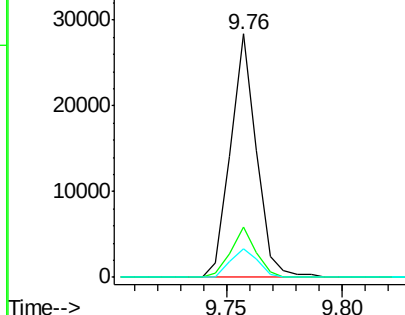
#48
Acenaphthylene
Concen: 1.615 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 22222
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 11.8 10.7 16.1

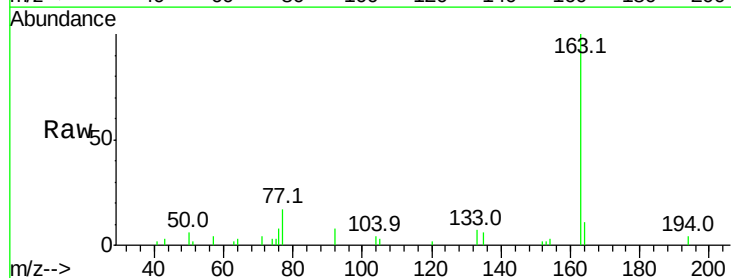


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

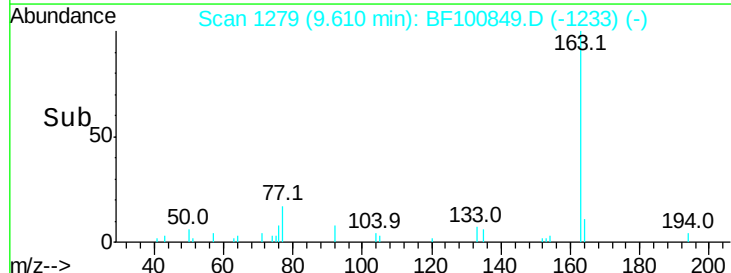
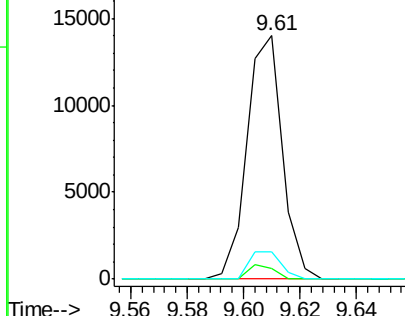


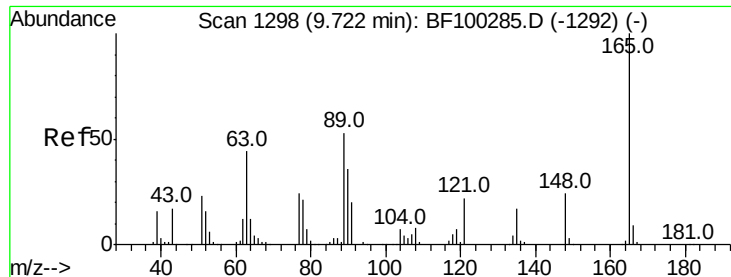
#49
Dimethylphthalate
Concen: 1.202 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:163 Resp: 12147
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 11.2 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: 8.412 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.19 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

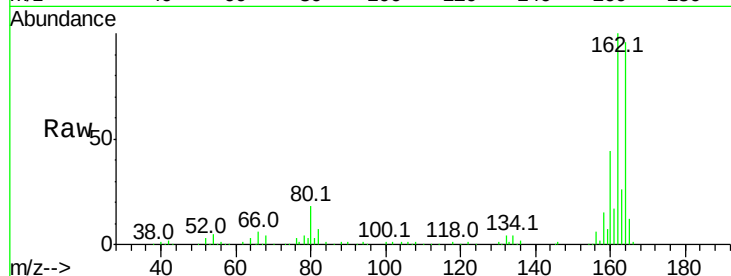
Tot Ion:165 Resp: 16821

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

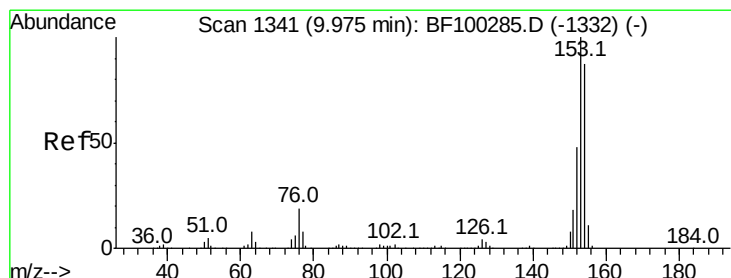
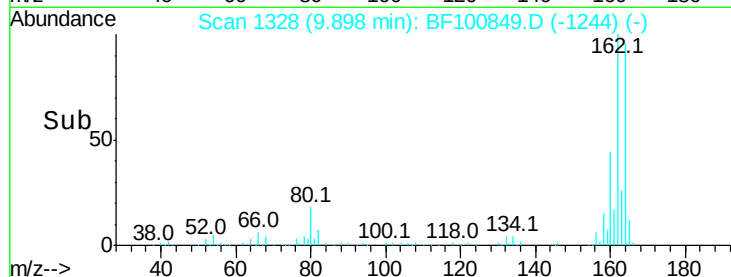
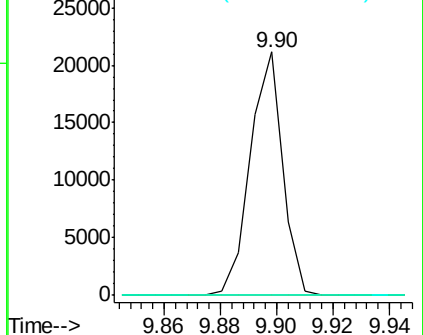
89 0.0 44.0 66.0#



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: 0.240 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

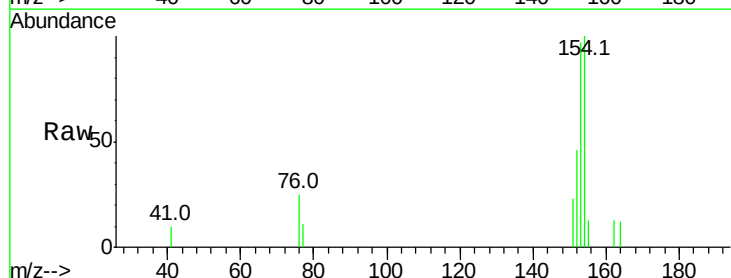
Tgt Ion:154 Resp: 2012

Ion Ratio Lower Upper

154 100

153 97.4 91.2 136.8

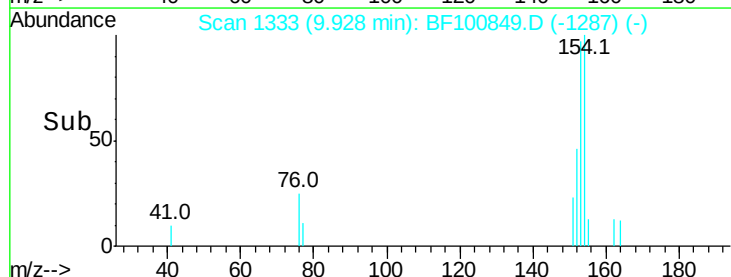
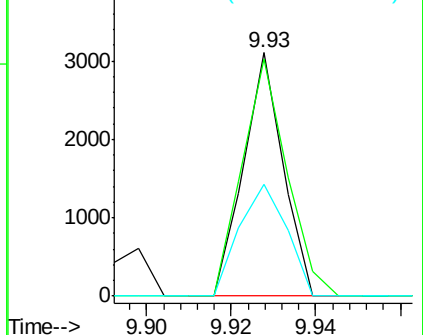
152 45.8 43.8 65.8

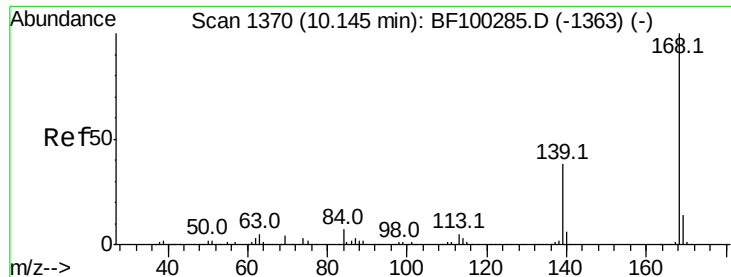


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 0.145 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.03 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

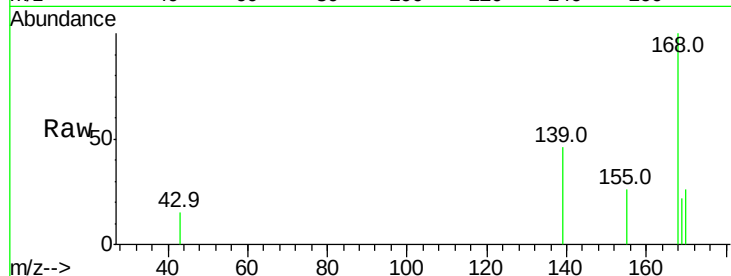
Tot Ion:168 Resp: 1701

Ion Ratio Lower Upper

168 100

139 45.7 30.1 45.1#

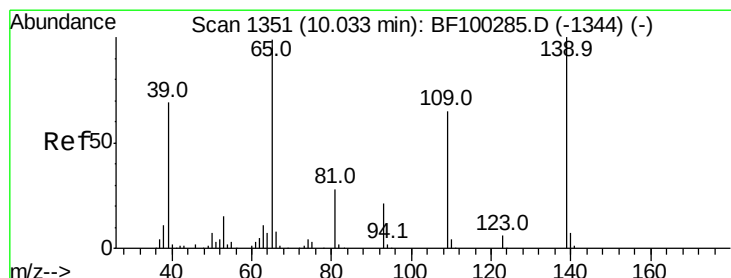
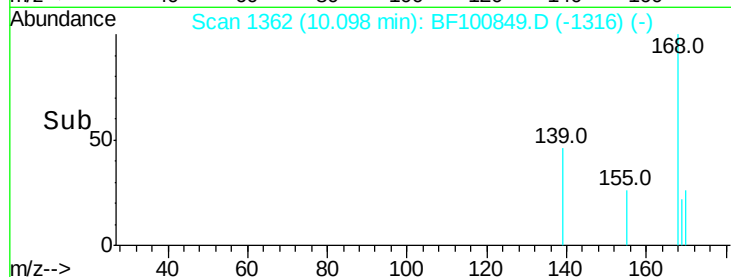
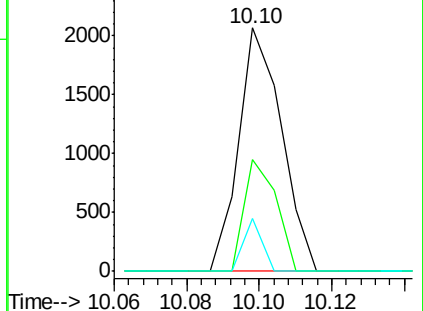
169 21.6 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.302 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.08 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

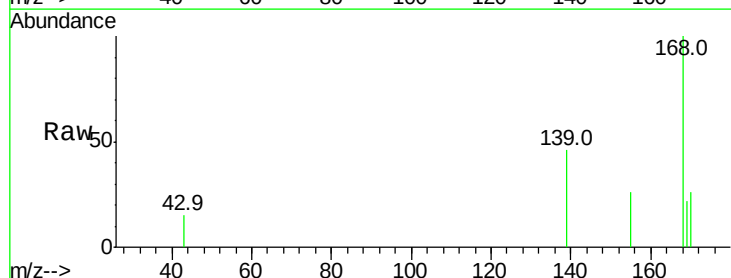
Tgt Ion:139 Resp: 579

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

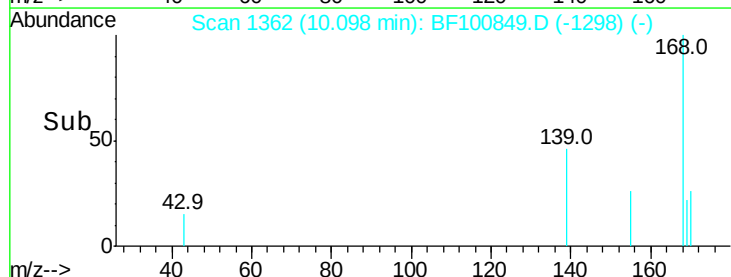
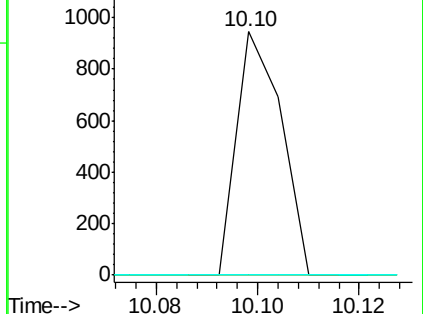
65 0.0 72.6 112.6#

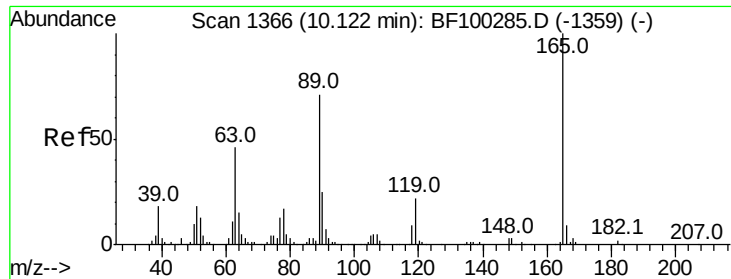


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

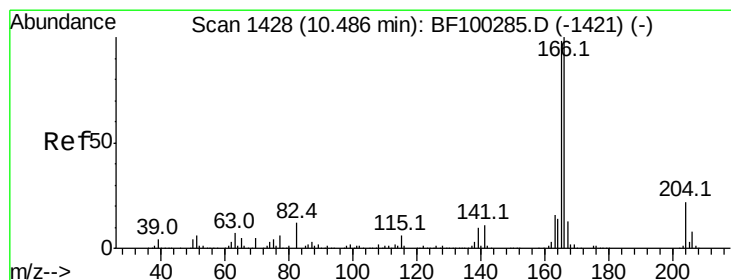
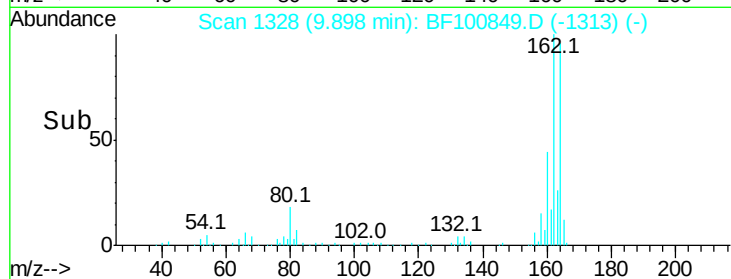
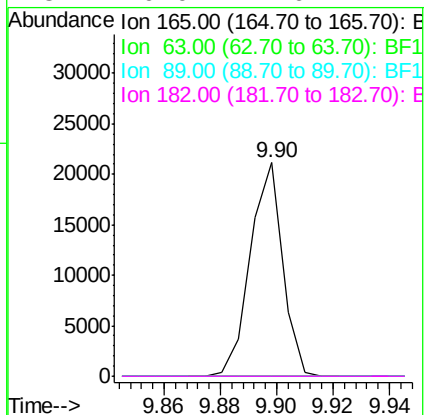
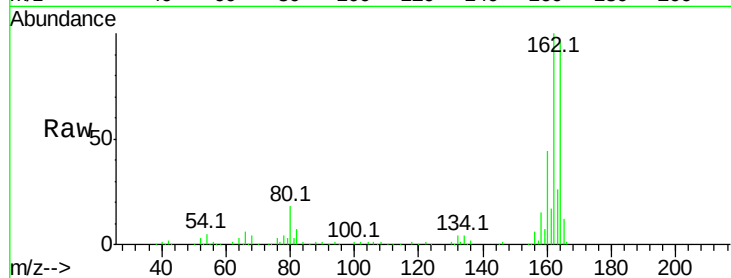




#56
 2,4-Dinitrotoluene
 Concen: 6.668 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.21 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

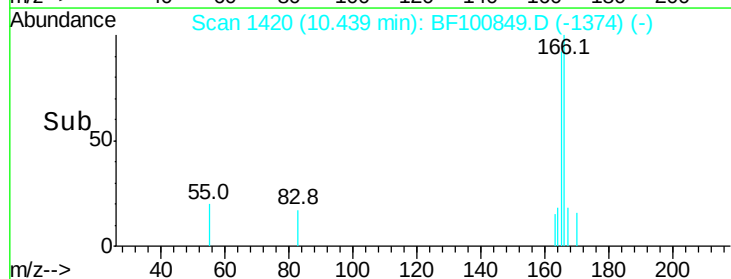
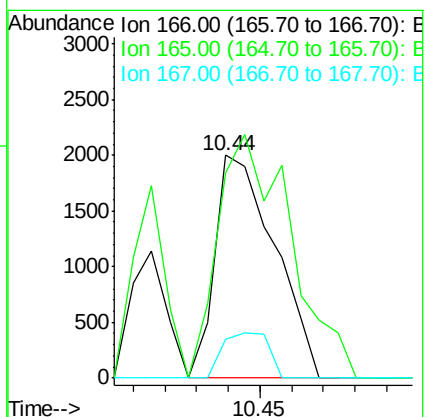
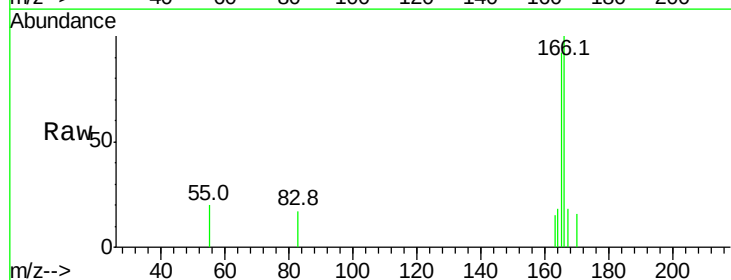
Instrument :
 BNA_F
 ClientSampleId :

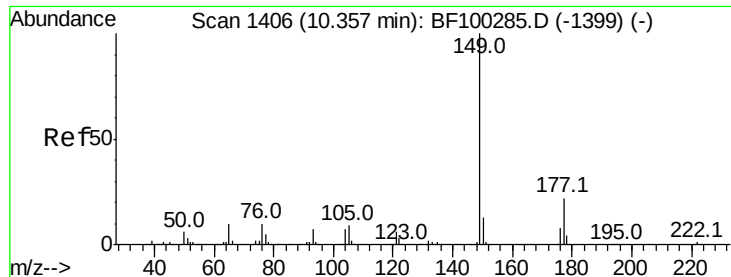
Tot Ion:165	Resp:	16821
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#57
 Fluorene
 Concen: 0.303 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.03 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Tgt Ion:166	Resp:	2603
Ion Ratio	Lower	Upper
166	100	
165	92.1	79.8 119.8
167	17.5	10.6 16.0#

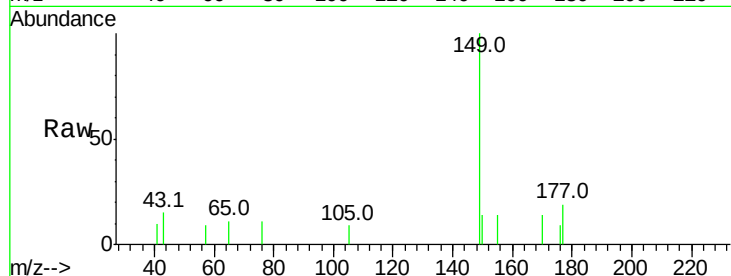




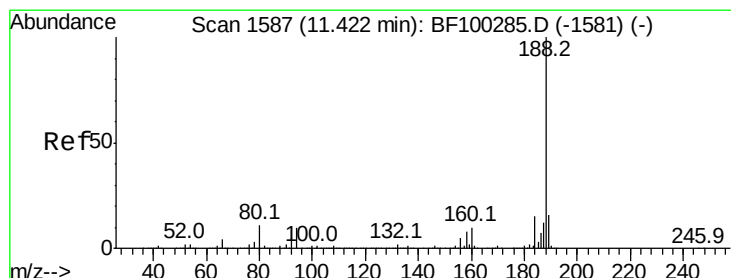
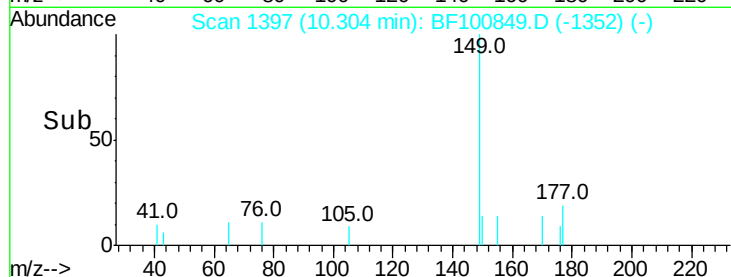
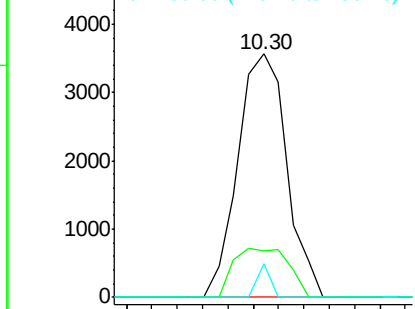
#59
Diethylphthalate
Concen: 0.472 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.04 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 4769
Ion Ratio Lower Upper
149 100
177 19.2 16.1 24.1
150 13.7 10.1 15.1

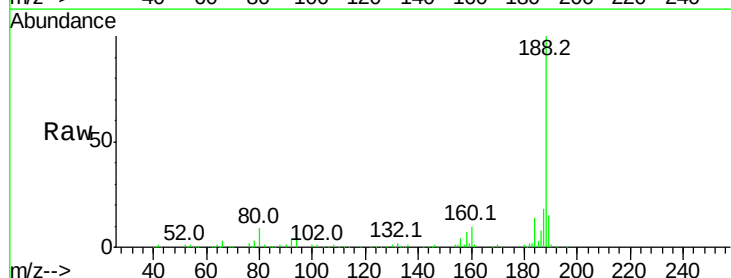


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

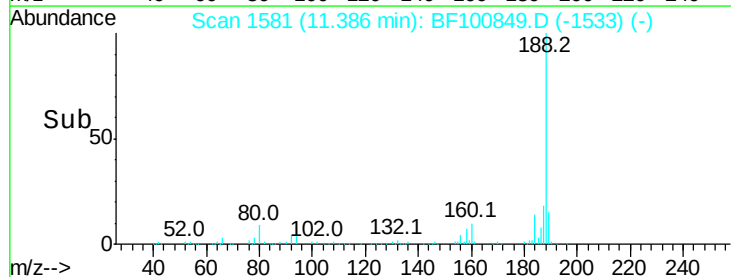
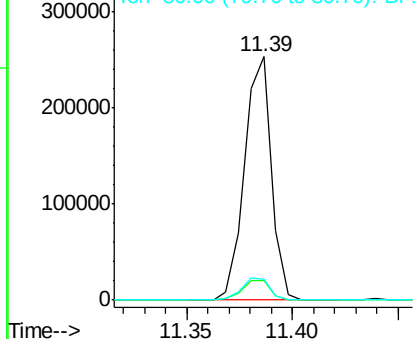


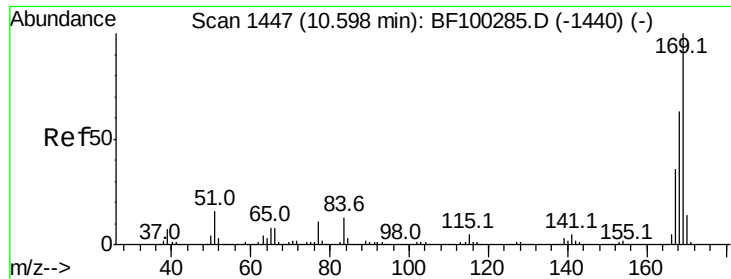
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:188 Resp: 222930
Ion Ratio Lower Upper
188 100
94 8.0 8.5 12.7#
80 8.8 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

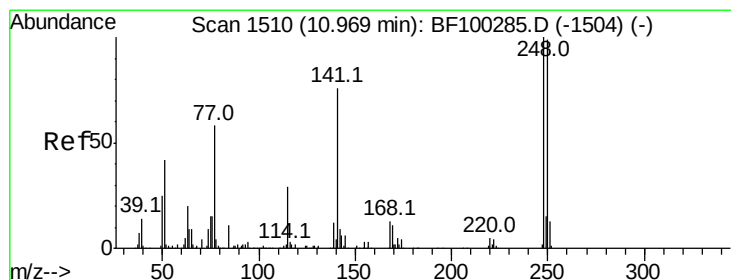
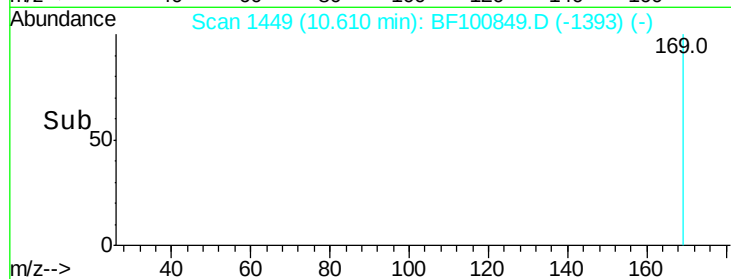
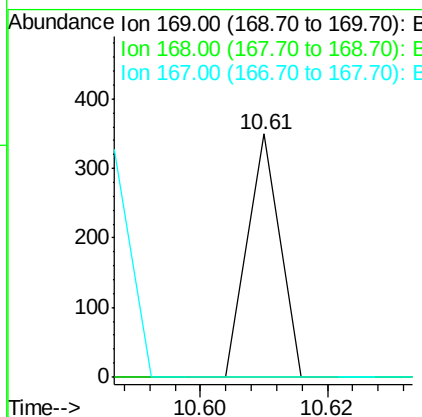
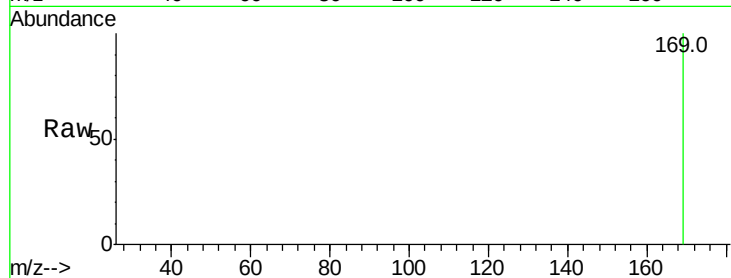




#65
 n-Nitrosodiphenylamine
 Concen: 0.016 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.03 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

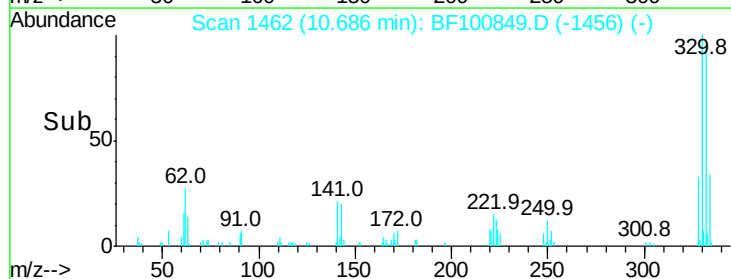
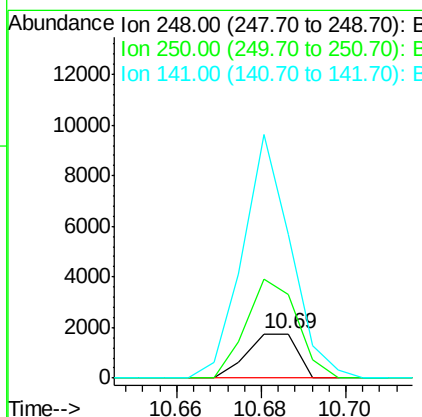
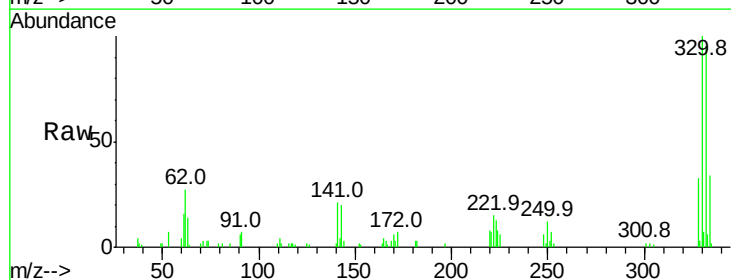
Instrument :
 BNA_F
 ClientSampleId :

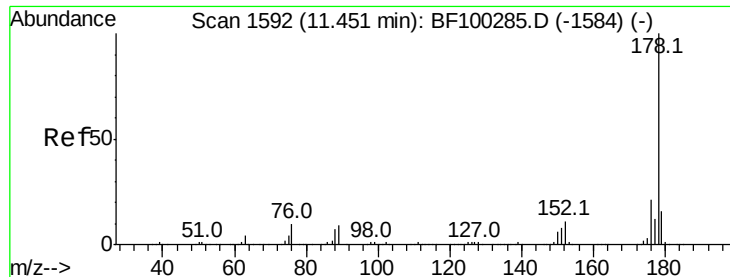
Tot Ion:169 Resp: 123
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.4 81.6#
 167 0.0 29.8 44.6#



#66
 4-Bromophenyl-phenylether
 Concen: 0.608 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.26 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Tgt Ion:248 Resp: 1453
 Ion Ratio Lower Upper
 248 100
 250 186.4 76.9 115.3#
 141 323.5 74.4 111.6#

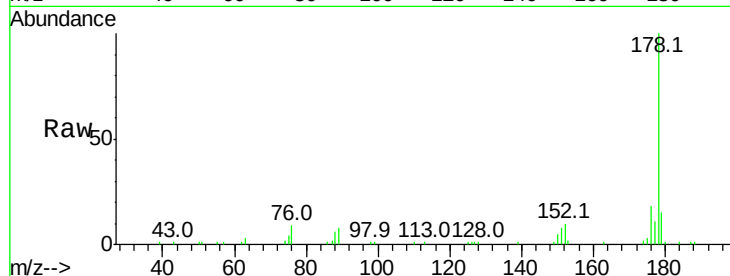




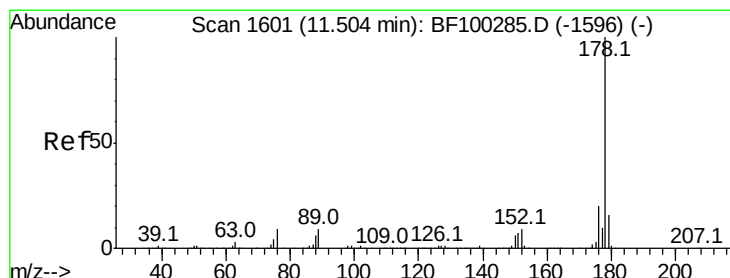
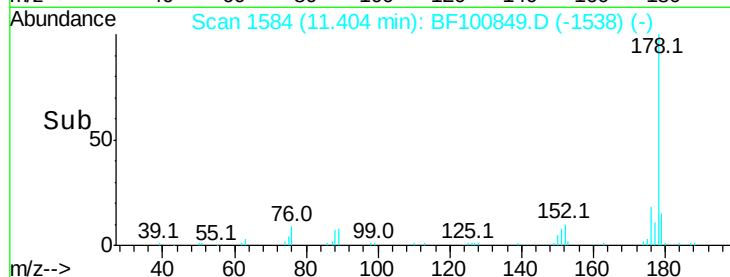
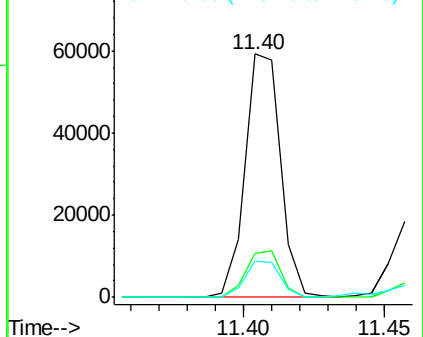
#70
Phenanthrene
Concen: 4.407 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 51729
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 15.0 13.0 19.6

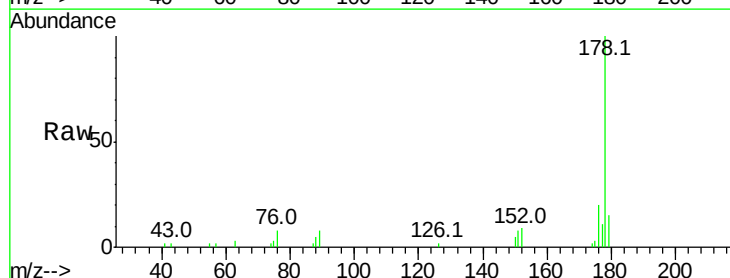


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

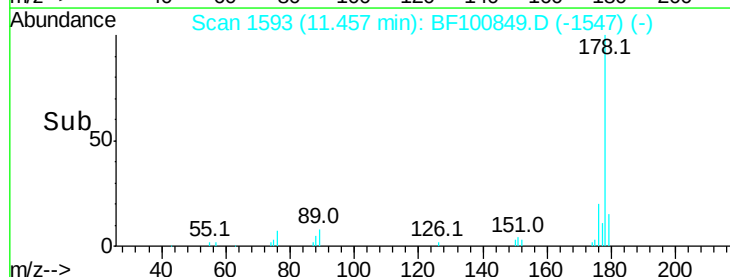
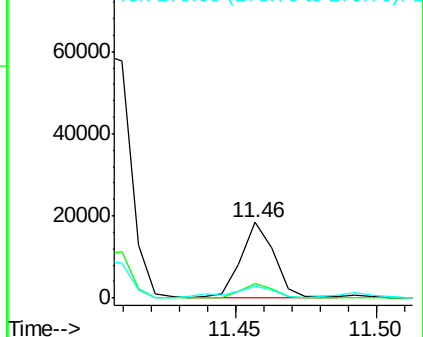


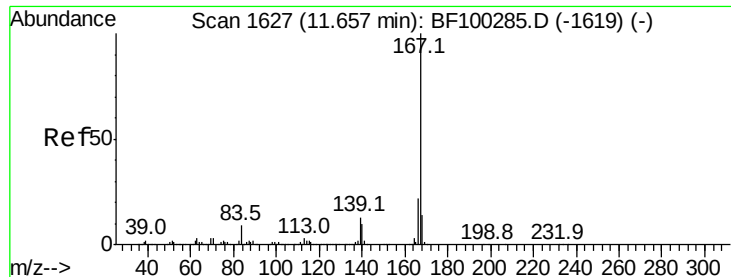
#71
Anthracene
Concen: 1.307 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:178 Resp: 15568
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.3 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

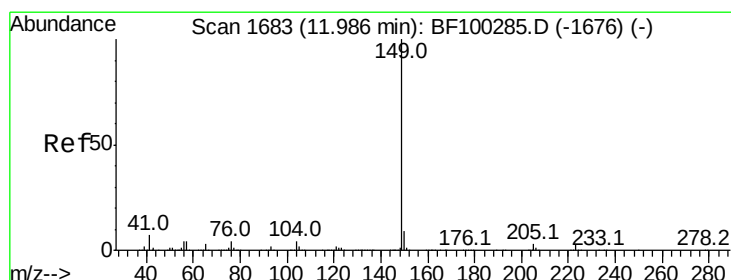
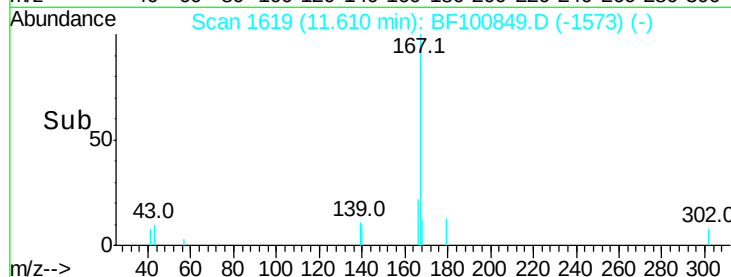
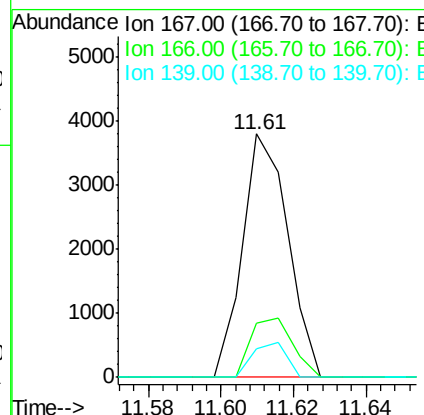
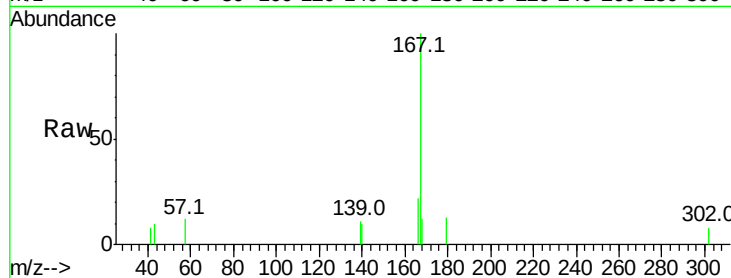




#72
 Carbazole
 Concen: 0.300 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.03 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

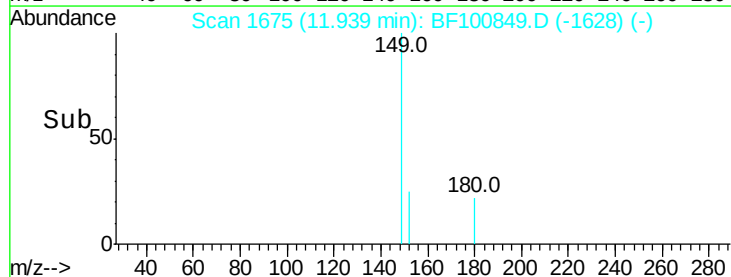
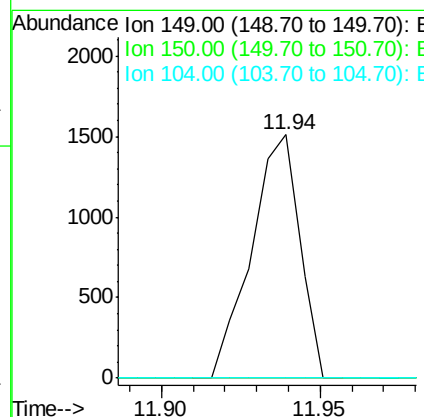
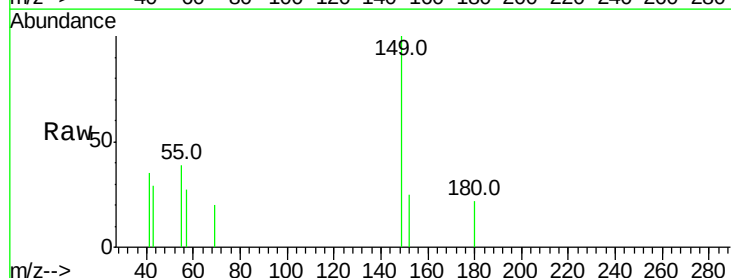
Instrument :
 BNA_F
 ClientSampleId :

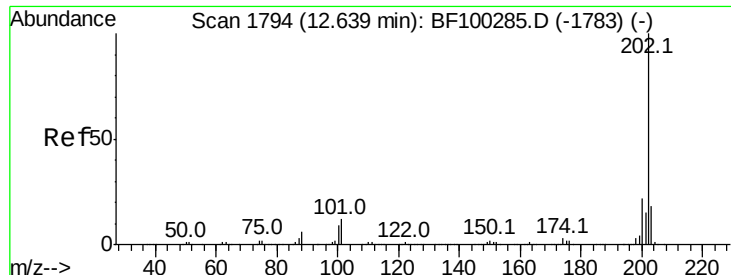
Tot Ion:167 Resp: 3300
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 11.5 10.9 16.3



#73
 Di-n-butylphthalate
 Concen: 0.125 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. -0.02 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Tgt Ion:149 Resp: 1602
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.8 5.8#





#74

Fluoranthene

Concen: 8.885 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

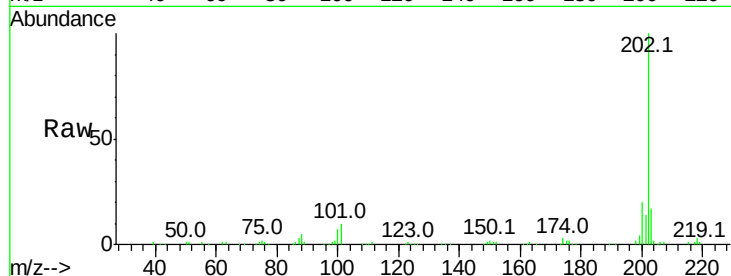
Tot Ion:202 Resp: 110522

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.1

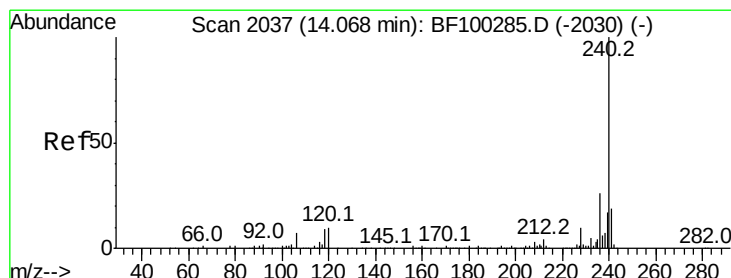
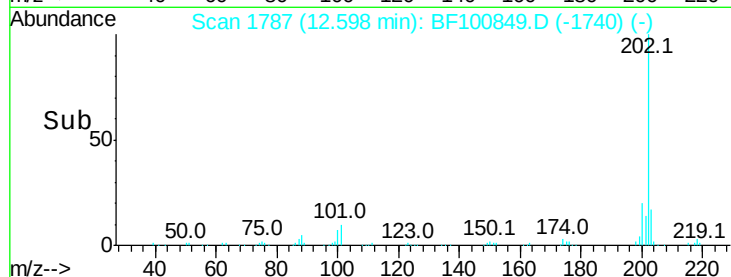
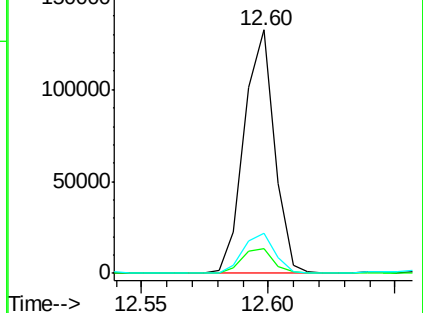
203 16.7 0.0 38.1



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: BF100849.D

Acq: 23 Nov 2017 3:01

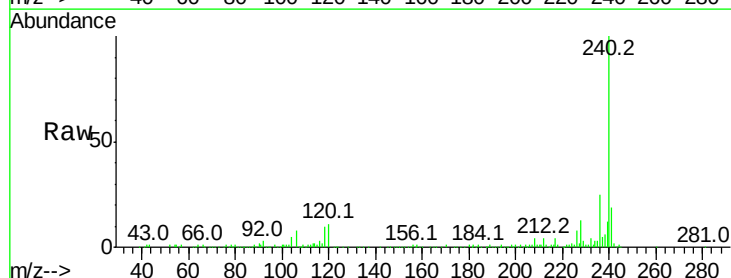
Tgt Ion:240 Resp: 151592

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

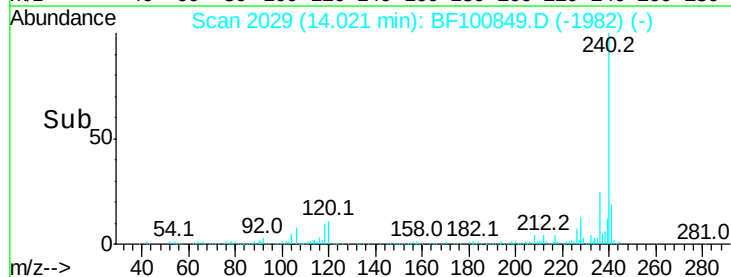
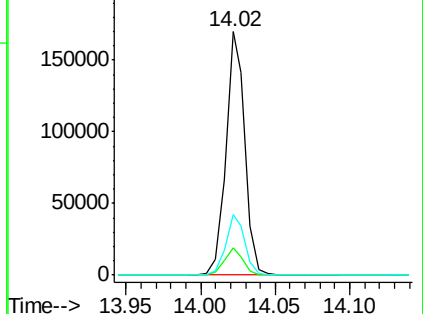
236 25.0 20.7 31.1

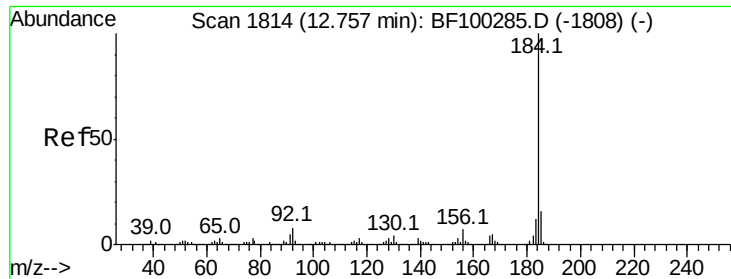


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

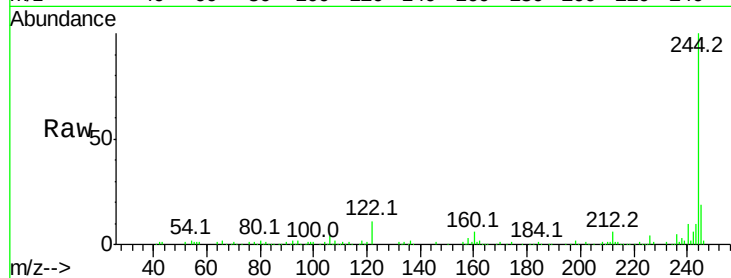




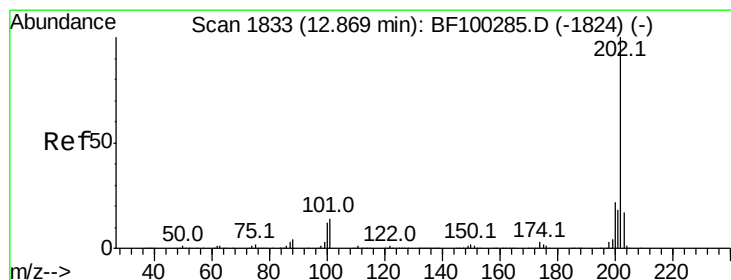
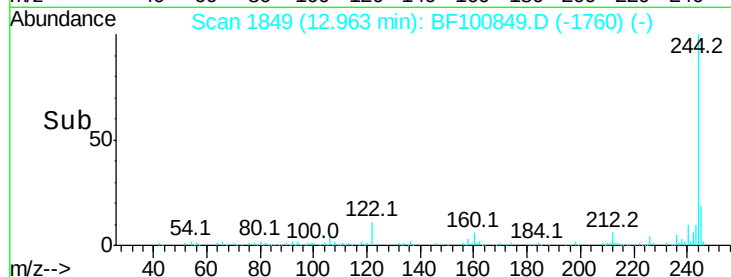
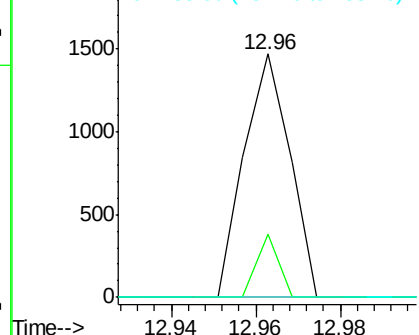
#76
Benzidine
Concen: 0.182 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.22 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 1105
Ion Ratio Lower Upper
184 100
185 26.1 12.6 18.8#
183 0.0 9.3 13.9#

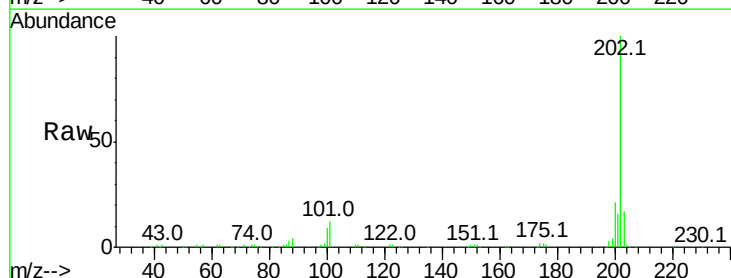


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

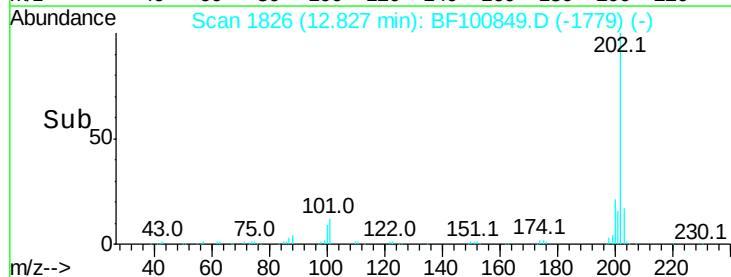
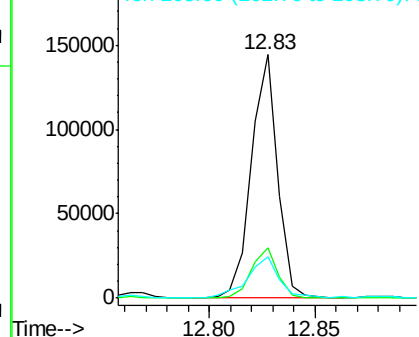


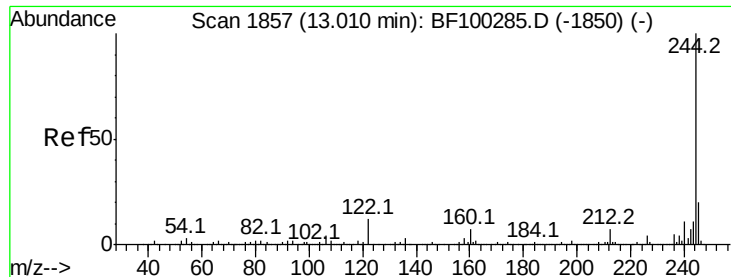
#77
Pyrene
Concen: 11.534 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:202 Resp: 124632
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 16.9 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

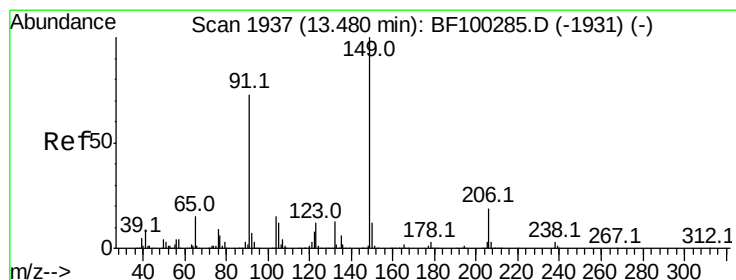
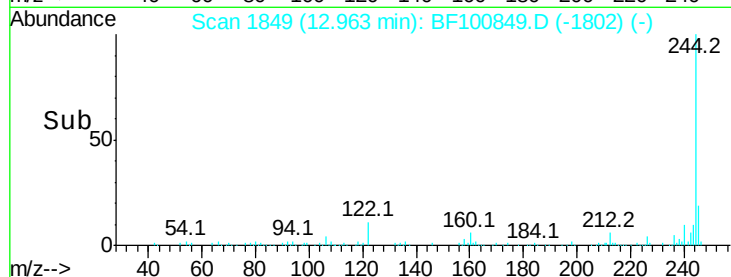
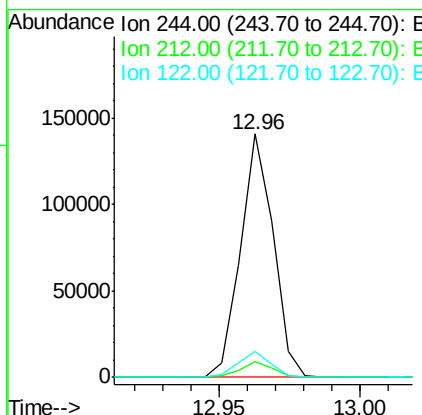
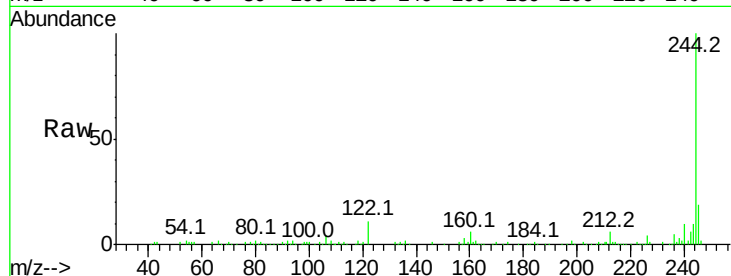




#78
 Terphenyl-d14
 Concen: 17.206 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.02 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

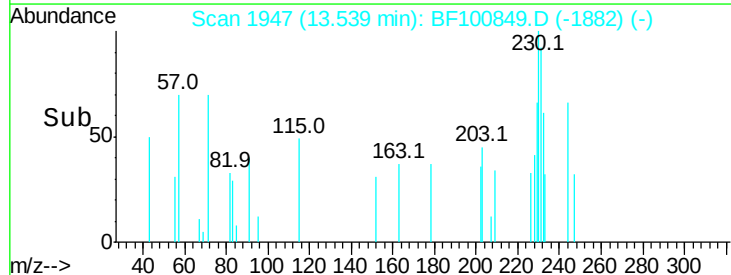
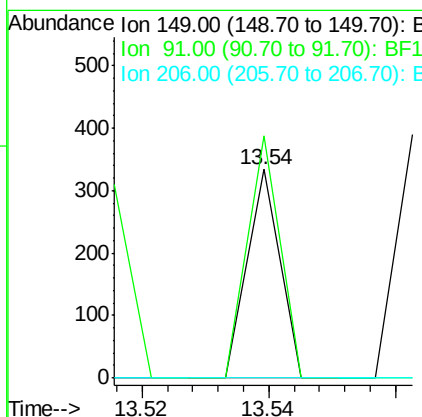
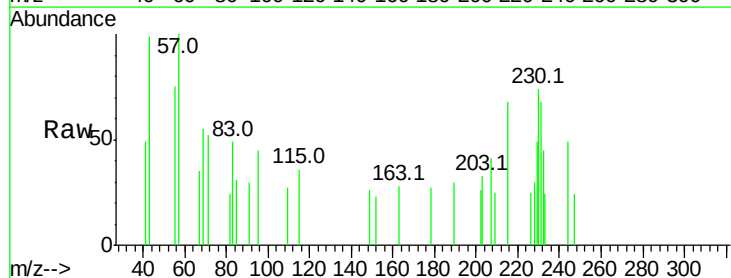
Instrument :
 BNA_F
 ClientSampleId :

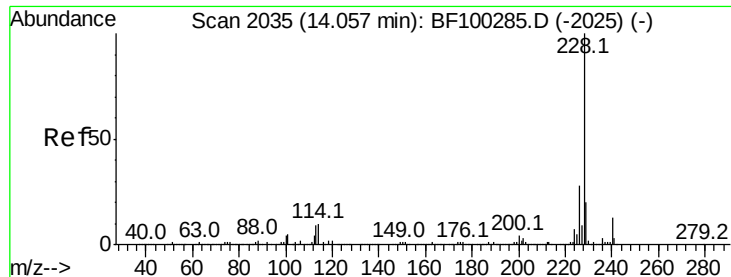
Tot Ion:244 Resp: 113518
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.9 11.0 16.4#



#79
 Butylbenzylphthalate
 Concen: 0.027 ng
 RT: 13.54 min Scan# 1947
 Delta R.T. 0.08 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Tgt Ion:149 Resp: 118
 Ion Ratio Lower Upper
 149 100
 91 116.5 56.8 85.2#
 206 0.0 14.1 21.1#





#80

Benzo(a)anthracene

Concen: 7.249 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampled :

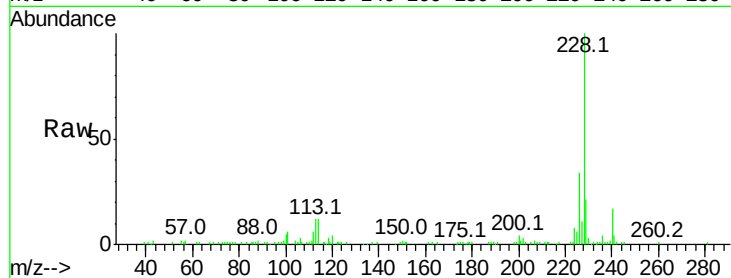
Tot Ion:228 Resp: 66174

Ion Ratio Lower Upper

228 100

226 33.8 22.6 33.8

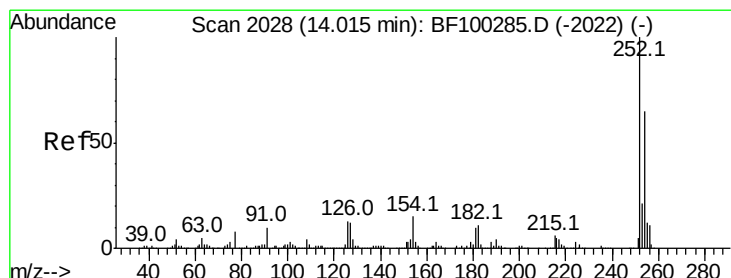
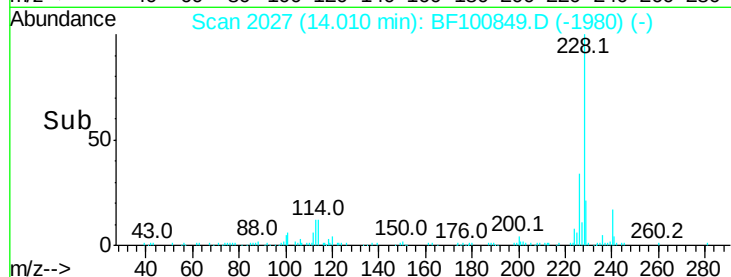
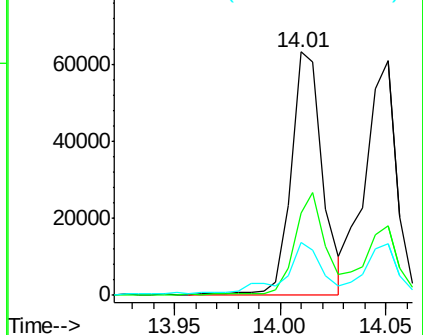
229 21.5 15.8 23.6



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



#81

3,3'-Dichlorobenzidine

Concen: 0.255 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.06 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

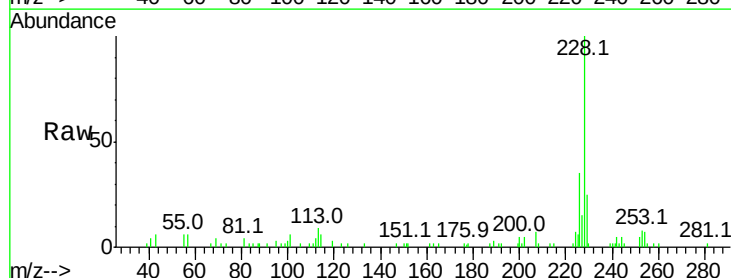
Tgt Ion:252 Resp: 834

Ion Ratio Lower Upper

252 100

254 145.5 50.4 75.6#

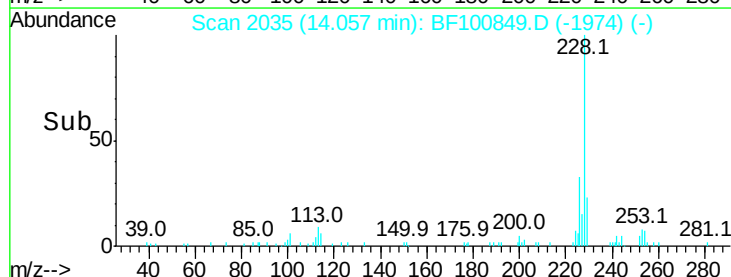
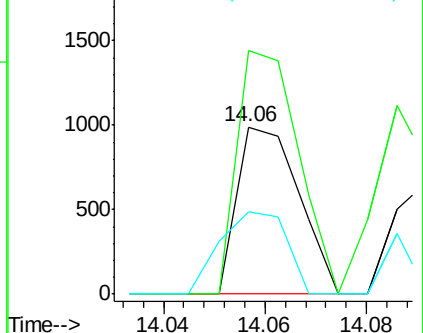
126 49.5 11.3 16.9#

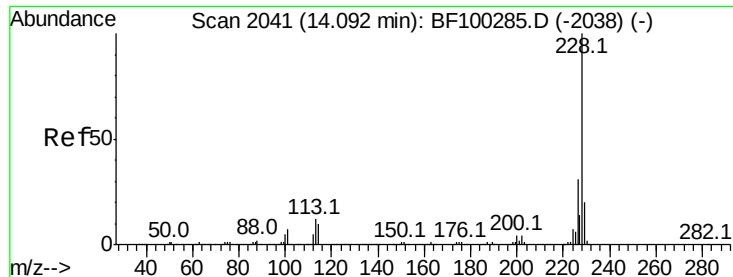


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

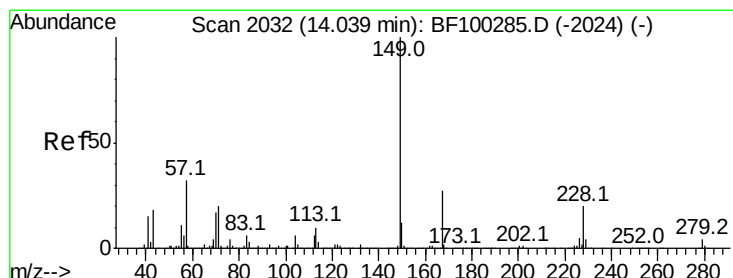
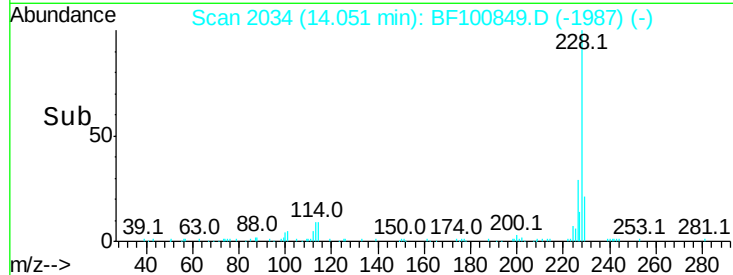
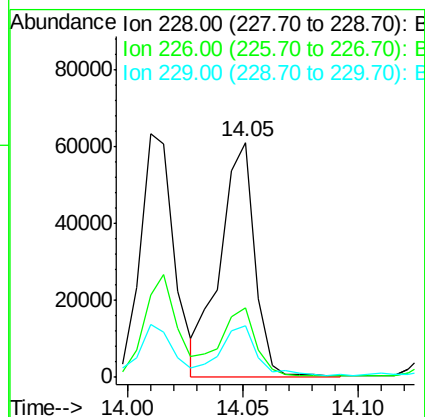
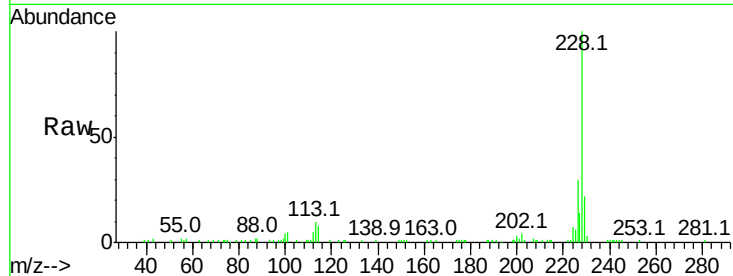




#82
 Chrysene
 Concen: 7.214 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

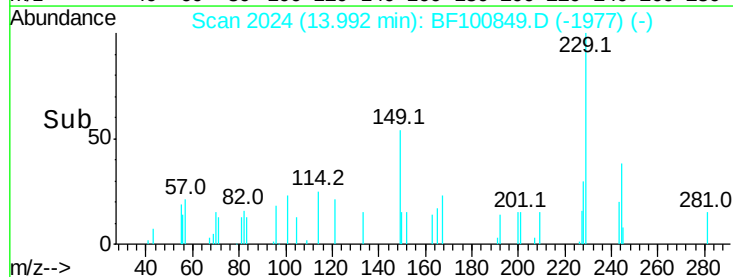
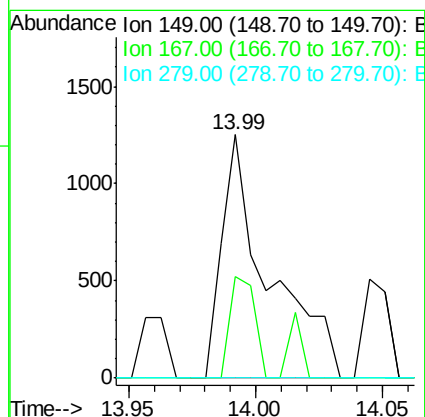
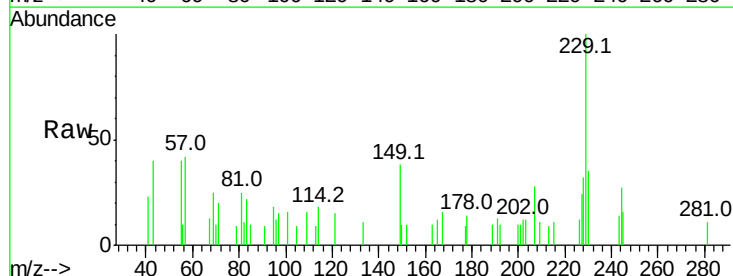
Instrument :
 BNA_F
 ClientSampleId :

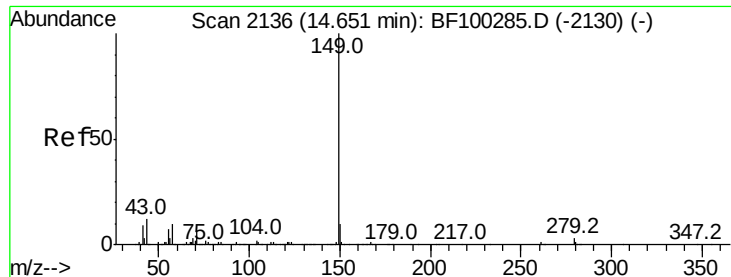
Tot Ion:228 Resp: 63768
 Ion Ratio Lower Upper
 228 100
 226 29.5 25.0 37.6
 229 22.0 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.279 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF100849.D
 Acq: 23 Nov 2017 3:01

Tgt Ion:149 Resp: 1618
 Ion Ratio Lower Upper
 149 100
 167 41.5 21.3 31.9#
 279 0.0 3.0 4.4#

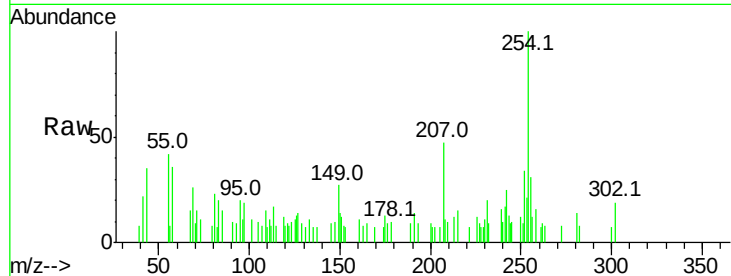




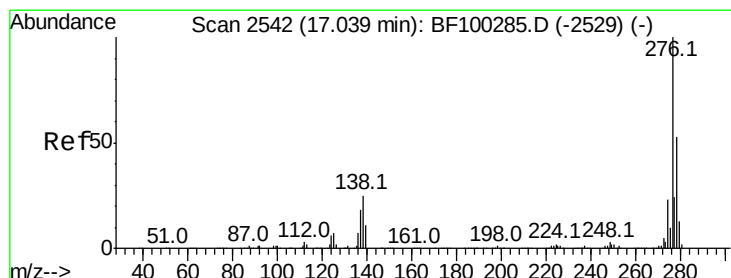
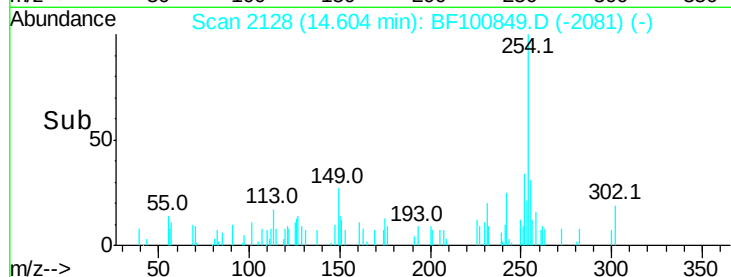
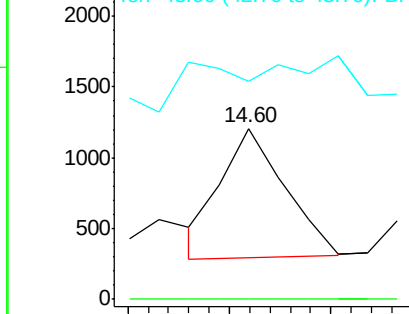
#84
Di-n-octyl phthalate
Concen: 0.081 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	38.7	8.4	12.6#

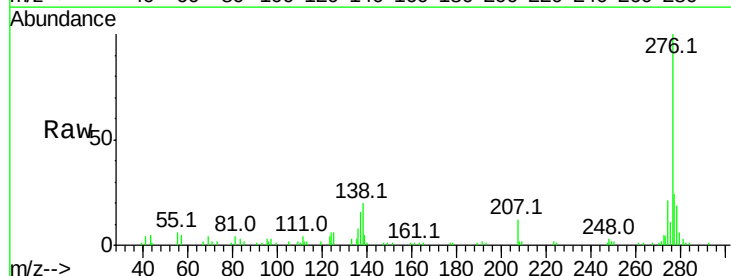


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

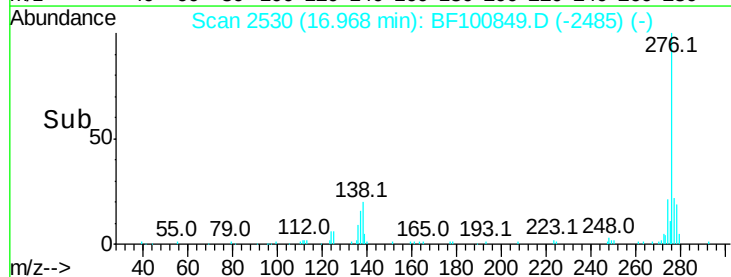
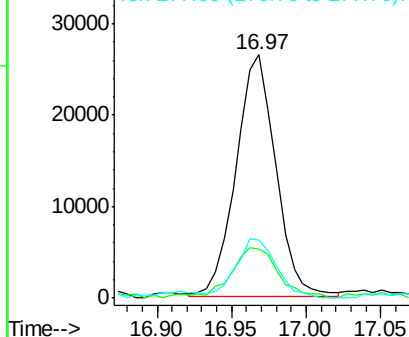


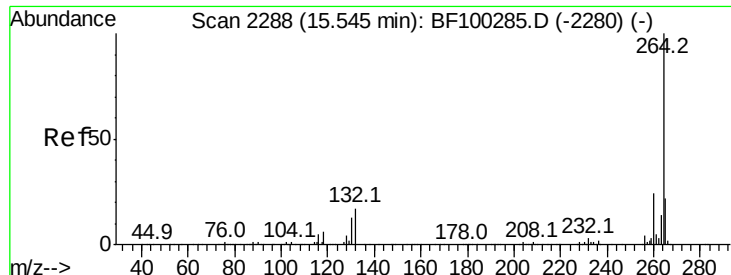
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.852 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.0	37.6
277	25.0	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

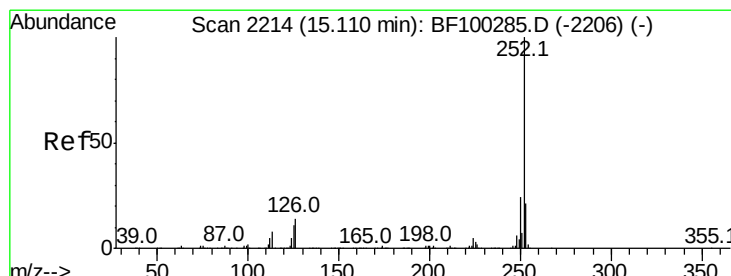
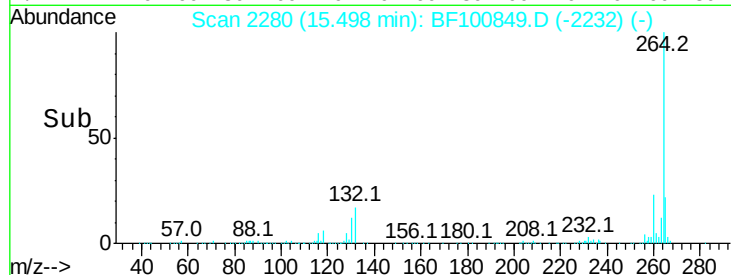
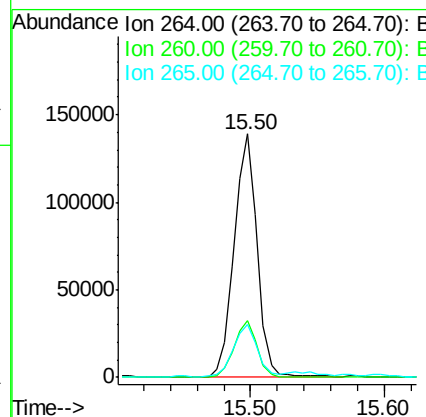
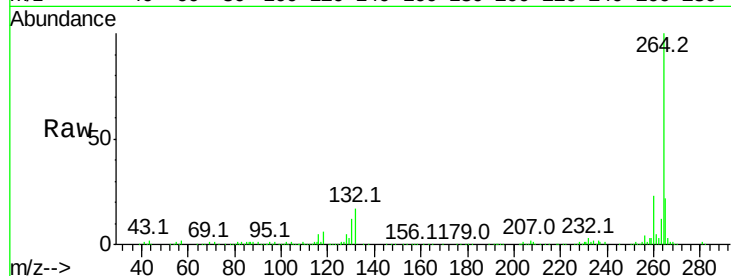




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

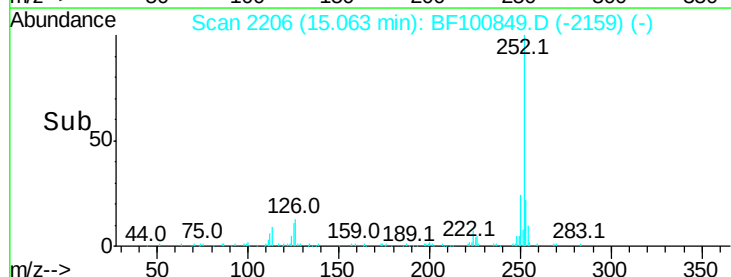
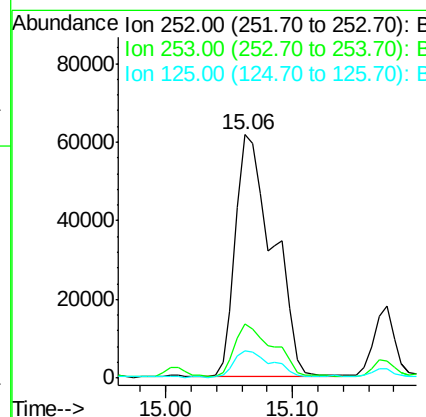
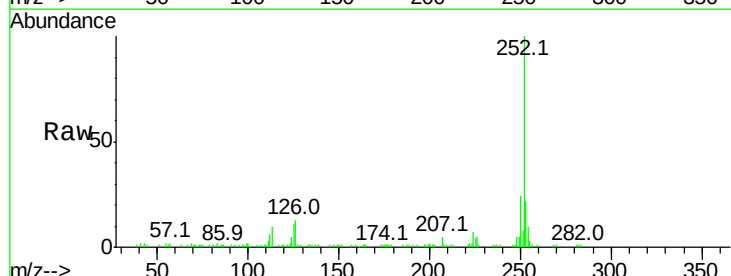
Instrument :
BNA_F
ClientSampleId :

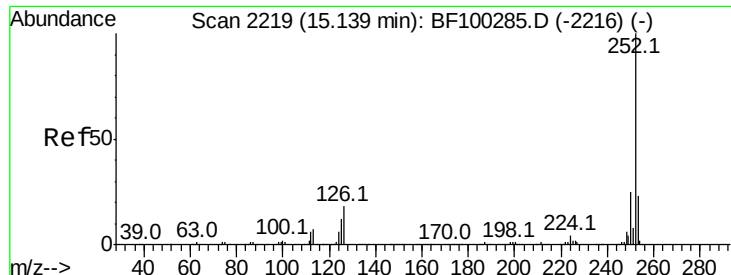
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 12.564 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	11.4	9.0	13.6

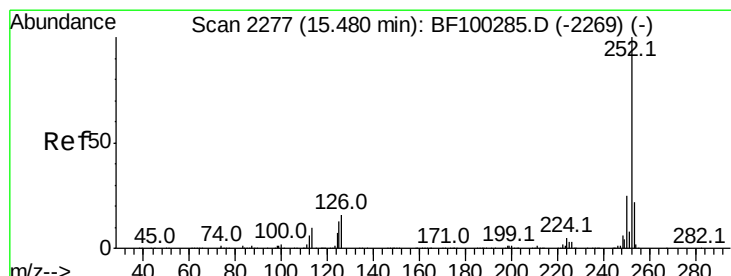
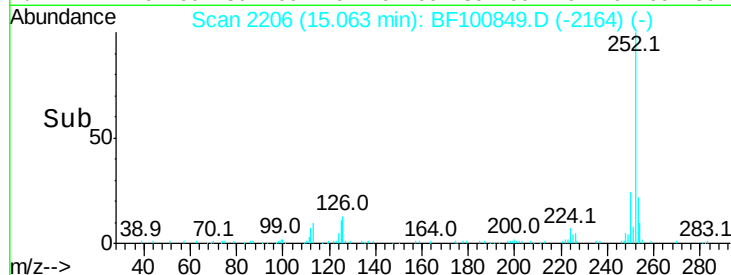
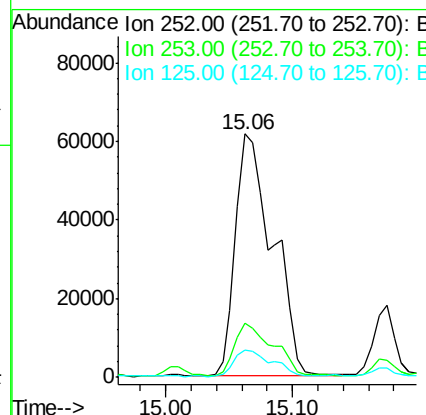
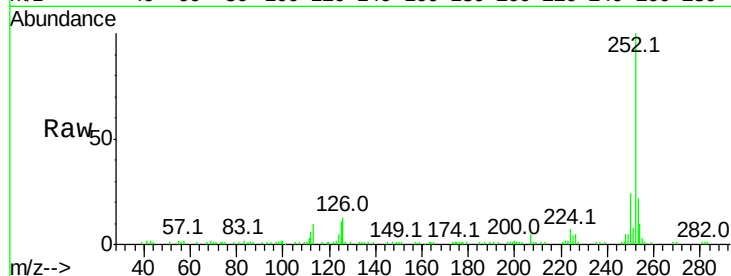




#88
Benzo(k)fluoranthene
Concen: 13.298 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

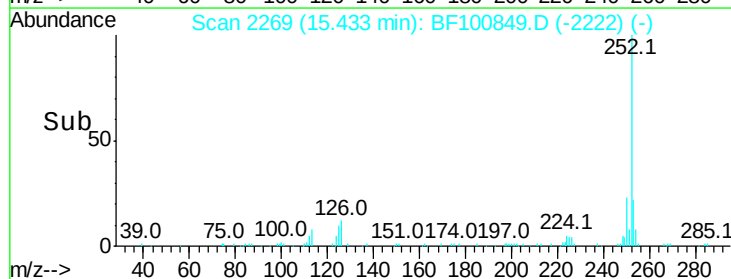
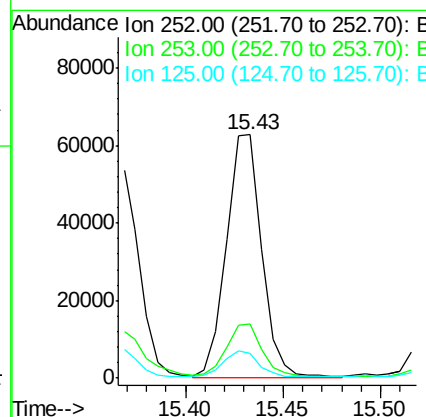
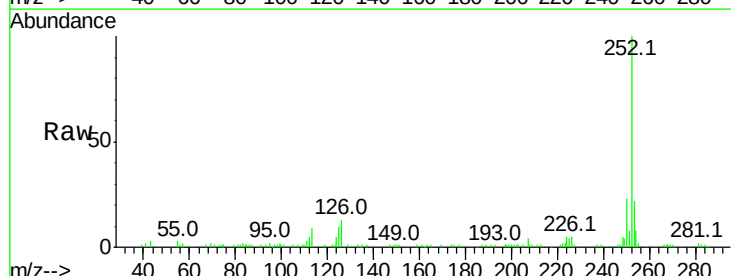
Instrument :
BNA_F
ClientSampleId :

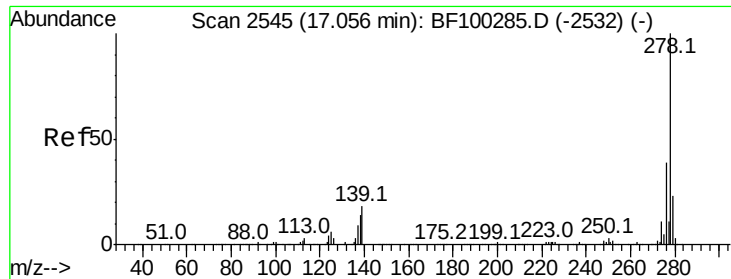
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.949 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	10.4	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 1.582 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

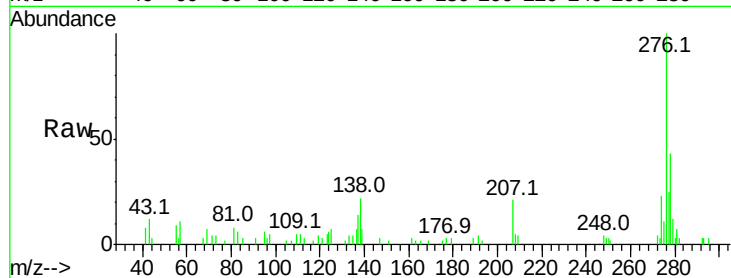
Tot Ion:278 Resp: 11491

Ion Ratio Lower Upper

278 100

139 16.4 15.9 23.9

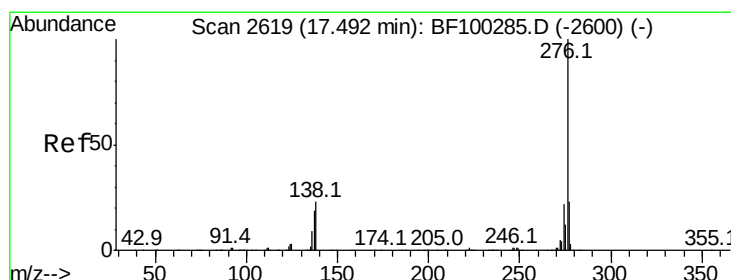
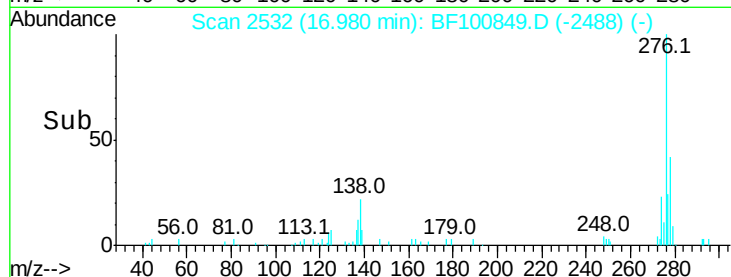
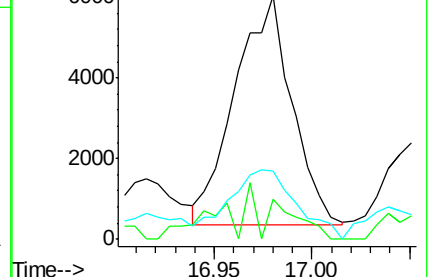
279 28.1 19.0 28.4



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(g,h,i)perylene

Concen: 7.534 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.04 min

Lab File: BF100849.D

Acq: 23 Nov 2017 3:01

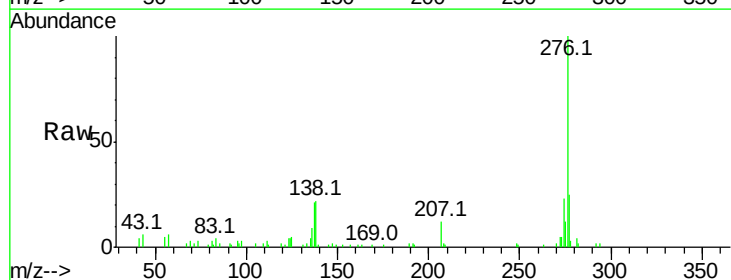
Tgt Ion:276 Resp: 53585

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 22.0 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

