

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100850.D
 Acq On : 23 Nov 2017 3:28
 Operator : SJ/JU
 Sample : I6548-04 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 23:45:37 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	74973	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	288000	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	128552	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	222045	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	148827	20.00	ng	-0.02
86) Perylene-d12	15.50	264	166010	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	95835	20.49	ng	-0.02
7) Phenol-d6	6.48	99	114091	19.78	ng	-0.03
23) Nitrobenzene-d5	7.42	82	66795	15.33	ng	-0.04
41) 2,4,6-Tribromophenol	10.69	330	26146	19.96	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	124764	14.78	ng	-0.02
78) Terphenyl-d14	12.96	244	83655	12.92	ng	-0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.62	77	2005	0.487	ng	# 70
10) Phenol	6.49	94	3868	0.639	ng	# 87
15) Benzyl Alcohol	7.01	79	965	0.214	ng	# 23
17) 2-Methylphenol	7.26	107	483	0.114	ng	# 60
19) n-Nitroso-di-n-propylamine	7.42	70	8701	2.175	ng	# 81
20) 3+4-Methylphenols	7.26	107	483	0.090	ng	# 71
24) Nitrobenzene	7.26	77	293	0.065	ng	# 38
25) Isophorone	7.42	82	66793	7.297	ng	# 64
27) 2,4-Dimethylphenol	7.93	122	119	0.029	ng	# 48
31) Naphthalene	8.16	128	5822	0.420	ng	# 92
32) Benzoic acid	7.93	122	119	9.401	ng	# 1
33) 4-Chloroaniline	8.16	127	854	0.148	ng	# 33
37) 2-Methylnaphthalene	8.85	142	3126	0.339	ng	# 95
45) 1,1'-Biphenyl	9.32	154	1520	0.137	ng	# 89
47) 2-Nitroaniline	9.21	65	158	2.846	ng	# 29
48) Acenaphthylene	9.76	152	3687	0.276	ng	# 98
49) Dimethylphthalate	9.60	163	13125	1.337	ng	# 98
50) 2,6-Dinitrotoluene	9.90	165	16676	8.583	ng	# 24
51) Acenaphthene	9.93	154	13023	1.602	ng	# 98
52) 3-Nitroaniline	10.10	138	126	0.055	ng	# 2
54) Dibenzofuran	10.10	168	12443	1.092	ng	# 99
55) 4-Nitrophenol	10.10	139	4318	2.318	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	16676	6.804	ng	# 21
57) Fluorene	10.44	166	16533	1.981	ng	# 97
59) Diethylphthalate	10.30	149	4095	0.417	ng	# 95
62) Azobenzene	10.68	77	169	0.018	ng	# 1
65) n-Nitrosodiphenylamine	10.55	169	529	0.069	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	1563	0.657	ng	# 1
70) Phenanthrene	11.41	178	267066	22.844	ng	# 98
71) Anthracene	11.46	178	58703	4.949	ng	# 97
72) Carbazole	11.61	167	22672	2.072	ng	# 99
73) Di-n-butylphthalate	11.94	149	1536	0.120	ng	# 78
74) Fluoranthene	12.60	202	244938	19.769	ng	# 95
76) Benzidine	12.96	184	941	0.158	ng	# 66

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 Misc :
 ALS Vial : 23 Sample Multiplier: 1

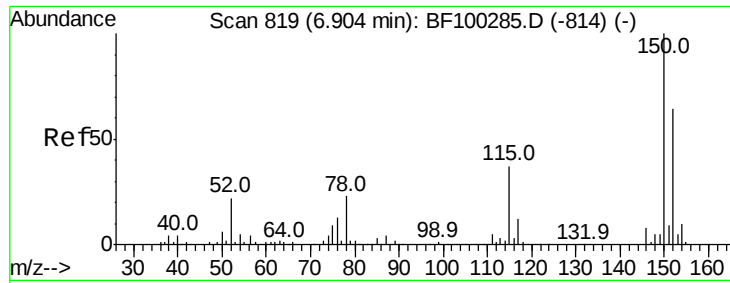
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 23:45:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Pyrene	12.83	202	214553	20.224	nq	99
79) Butylbenzylphthalate	13.43	149	107	0.025	nq #	23
80) Benzo(a)anthracene	14.02	228	101189	11.291	nq	99
81) 3,3'-Dichlorobenzidine	14.06	252	1181	0.368	nq #	16
82) Chrysene	14.05	228	92011	10.602	nq	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	1797	0.316	nq #	59
84) Di-n-octyl phthalate	14.60	149	2218	0.227	nq #	74
85) Indeno(1,2,3-cd)pyrene	16.97	276	50342	7.171	nq #	91
87) Benzo(b)fluoranthene	15.06	252	149561	15.207	nq	99
88) Benzo(k)fluoranthene	15.06	252	149561	16.094	nq	98
89) Benzo(a)pyrene	15.43	252	82746	9.490	nq	96
90) Dibenzo(a,h)anthracene	17.20	278	11487	1.611	nq	95
91) Benzo(a,h,i)perylene	17.42	276	47348	6.783	nq #	90

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

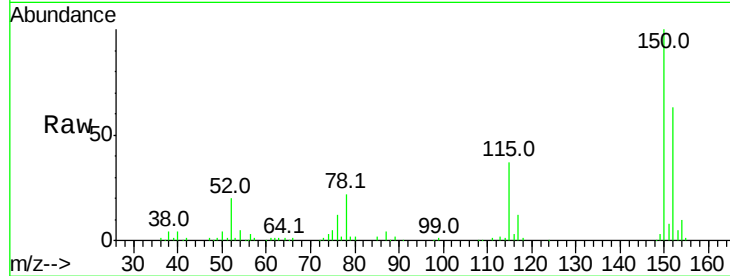


#1

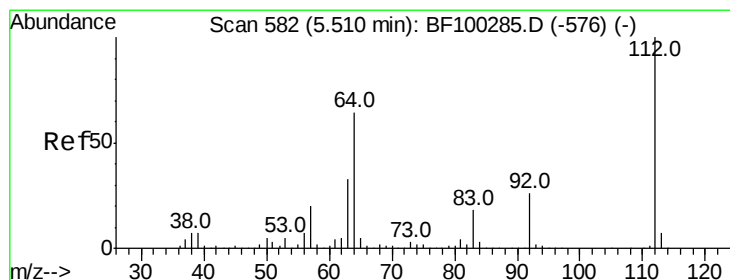
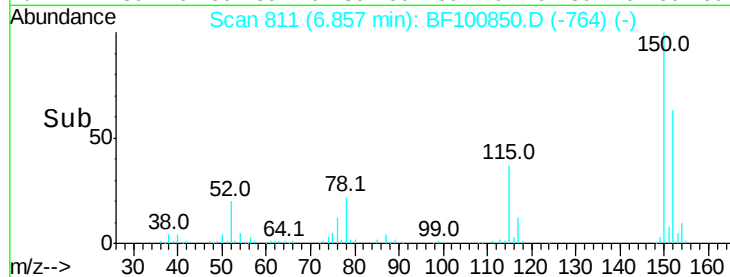
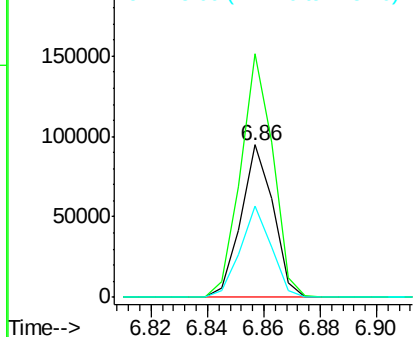
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74973
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 59.5 50.1 75.1



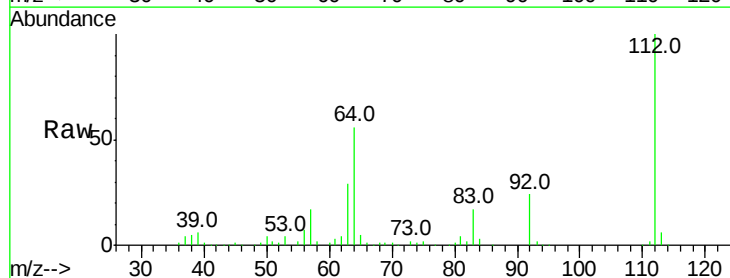
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



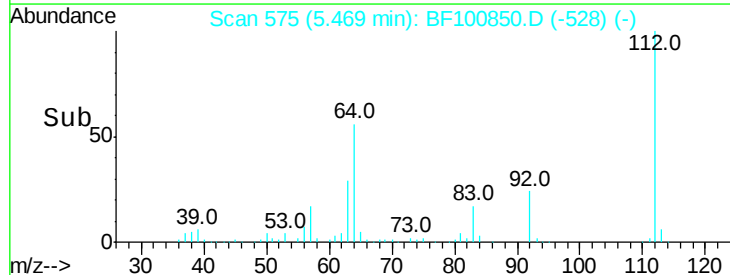
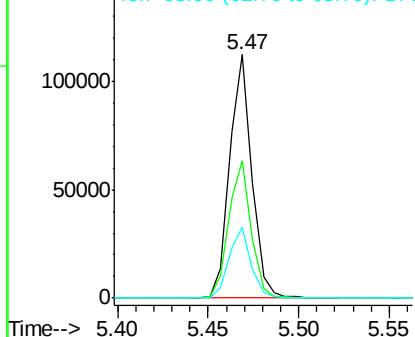
#5

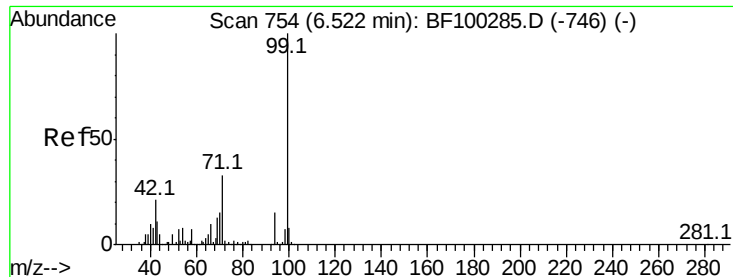
2-Fluorophenol
Concen: 20.490 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:112 Resp: 95835
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 28.9 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





#7

Phenol-d6

Concen: 19.782 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

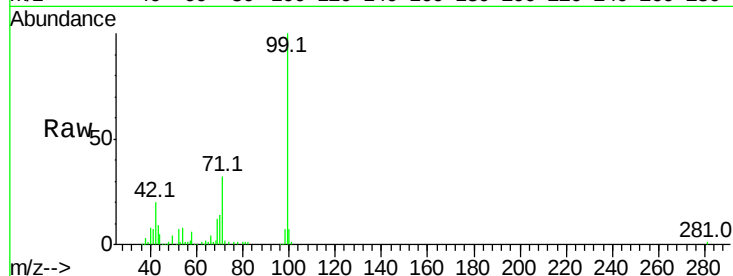
Tot Ion: 99 Resp: 114091

Ion Ratio Lower Upper

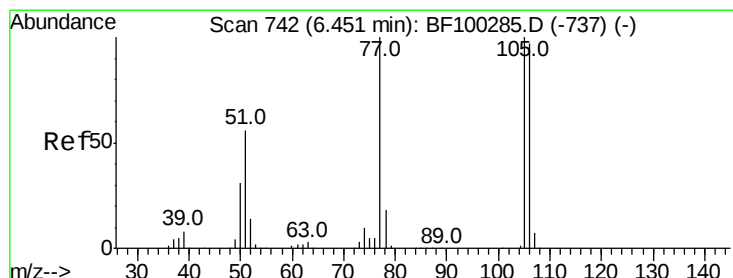
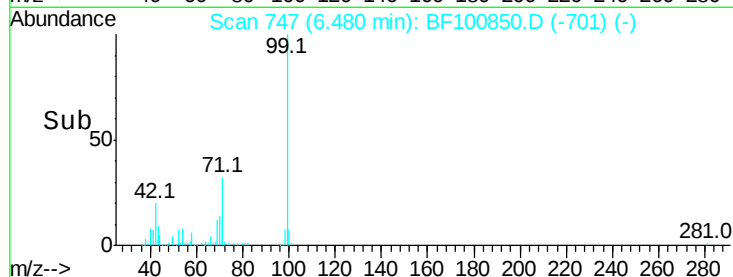
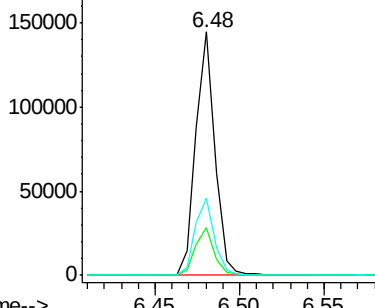
99 100

42 19.7 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: 0.487 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.19 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

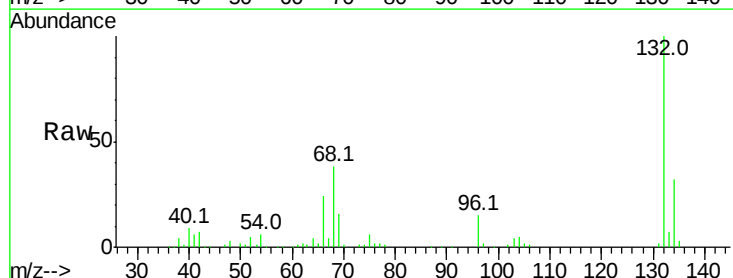
Tgt Ion: 77 Resp: 2005

Ion Ratio Lower Upper

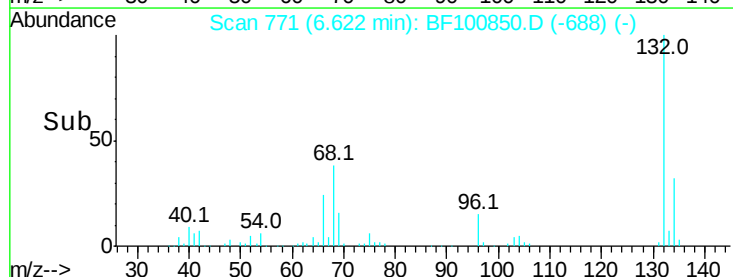
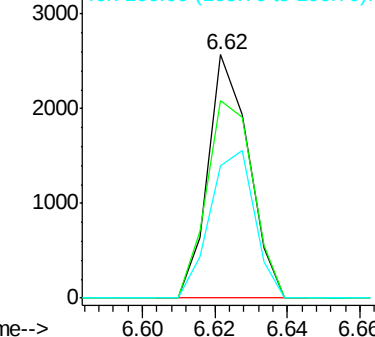
77 100

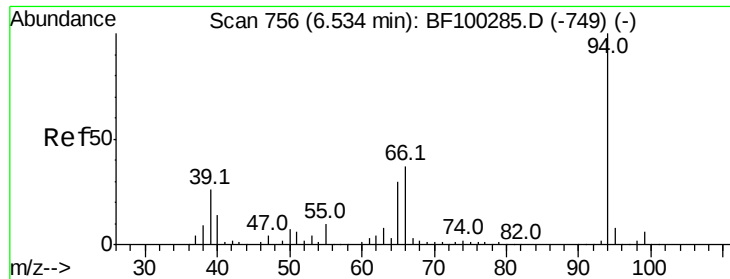
105 81.2 81.1 121.1

106 54.4 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: 0.639 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampled :

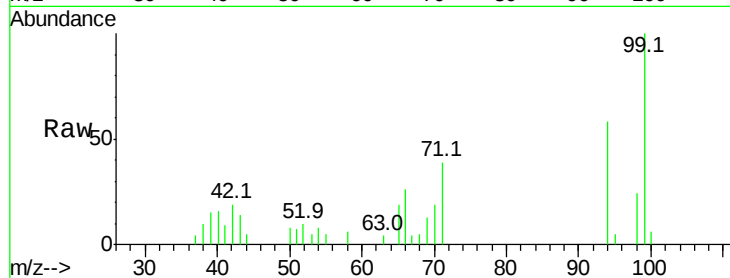
Tot Ion: 94 Resp: 3868

Ion Ratio Lower Upper

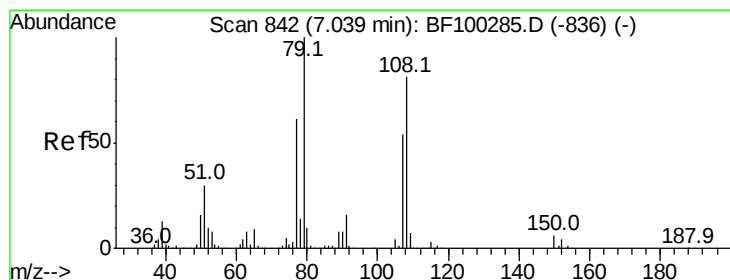
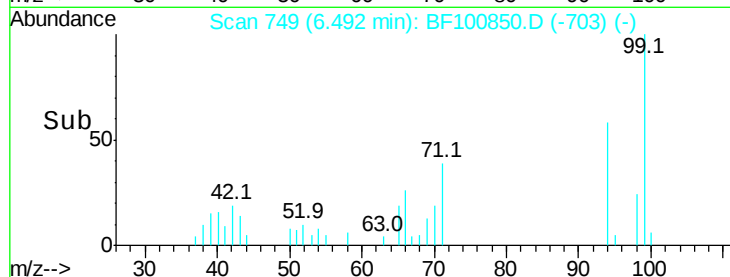
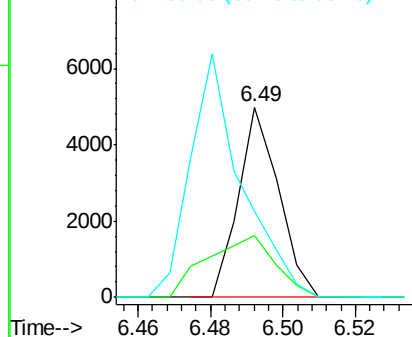
94 100

65 32.4 7.9 47.9

66 45.4 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: 0.214 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

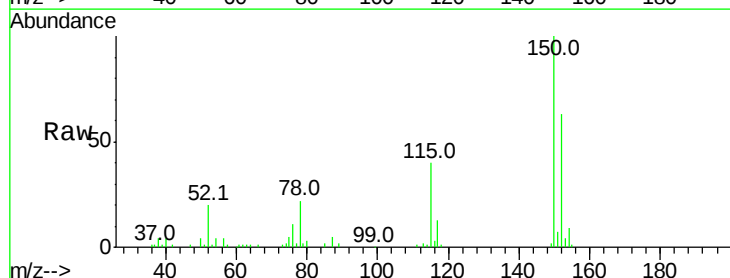
Tgt Ion: 79 Resp: 965

Ion Ratio Lower Upper

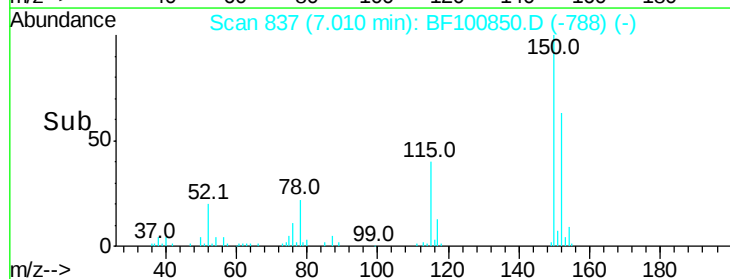
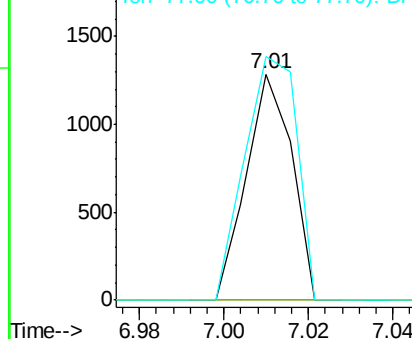
79 100

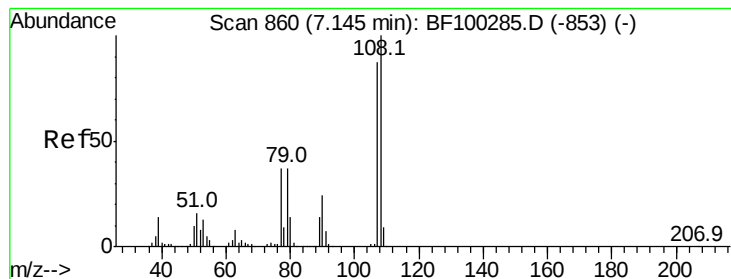
108 0.0 65.1 97.7#

77 107.8 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





#17

2-Methylphenol

Concen: 0.114 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF100850.D

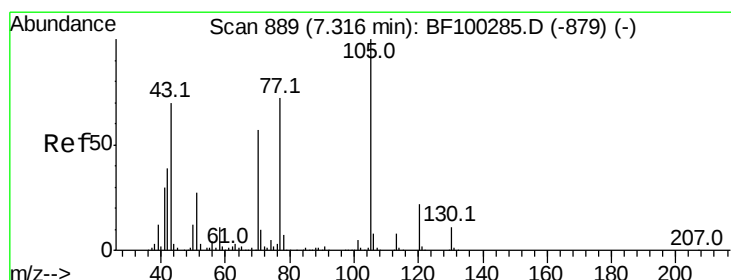
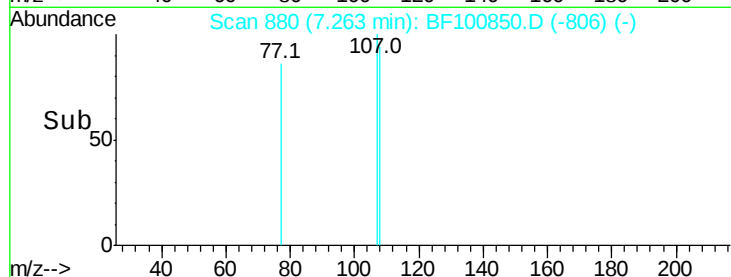
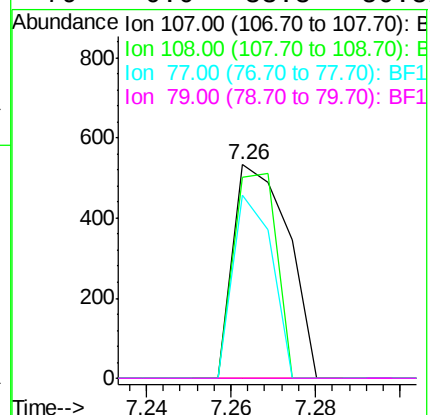
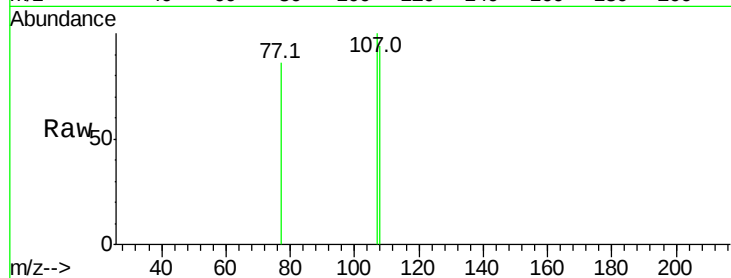
Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	483
Ion	Ratio	Lower	Upper
107	100		
108	94.0	91.7	137.5
77	86.0	33.8	50.8#
79	0.0	33.8	50.8#



#19

n-Nitroso-di-n-propylamine

Concen: 2.175 ng

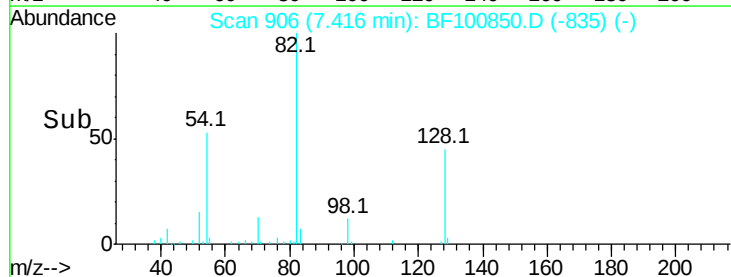
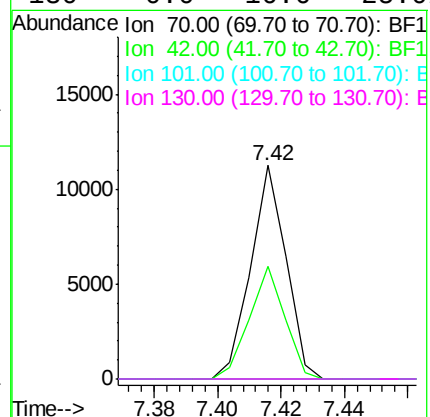
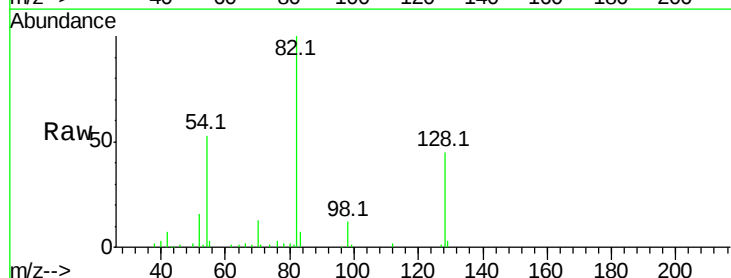
RT: 7.42 min Scan# 906

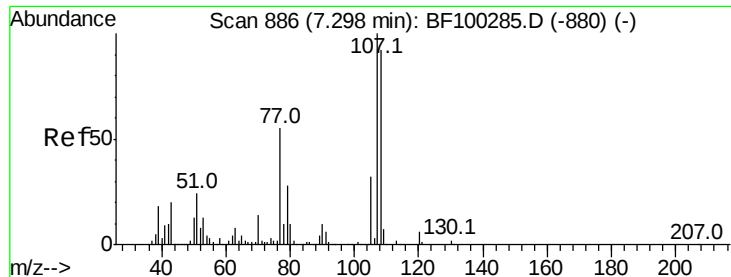
Delta R.T. 0.12 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Tgt Ion:	70	Resp:	8701
Ion	Ratio	Lower	Upper
70	100		
42	52.5	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#





#20

3+4-Methylphenols

Concen: 0.090 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF100850.D

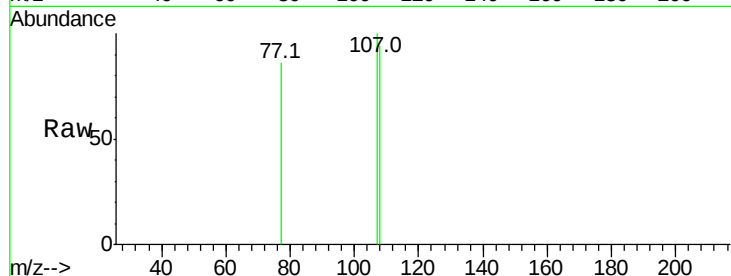
Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	483
Ion	Ratio	Lower	Upper
107	100		
108	94.0	68.2	108.2
77	86.0	26.7	66.7#
79	0.0	6.3	46.3#



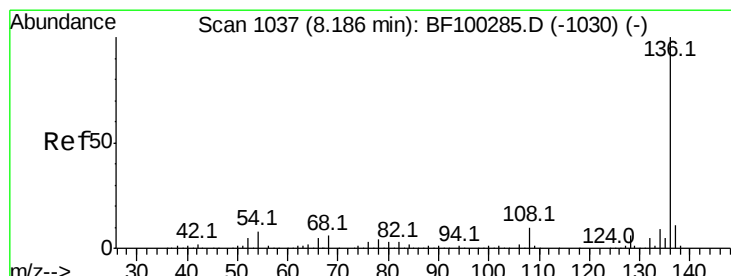
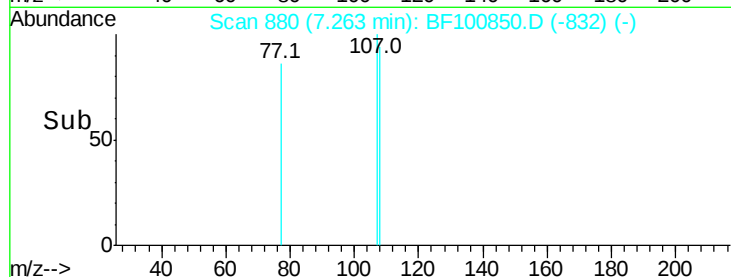
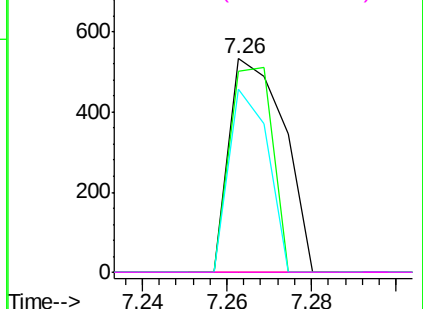
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

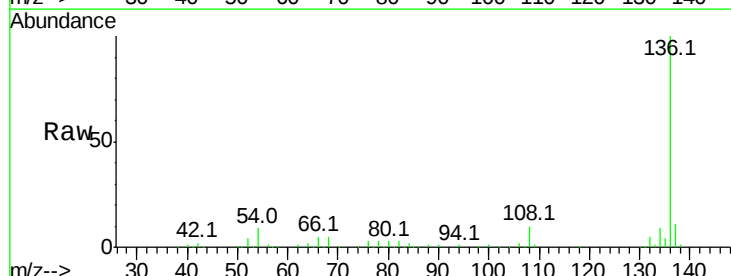
RT: 8.14 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Tgt Ion:	136	Resp:	288000
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.9	6.6	9.8
68	5.4	5.0	7.4



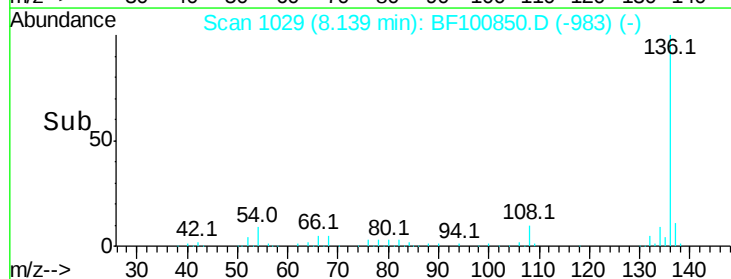
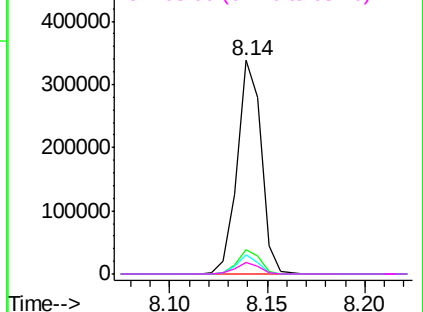
Abundance

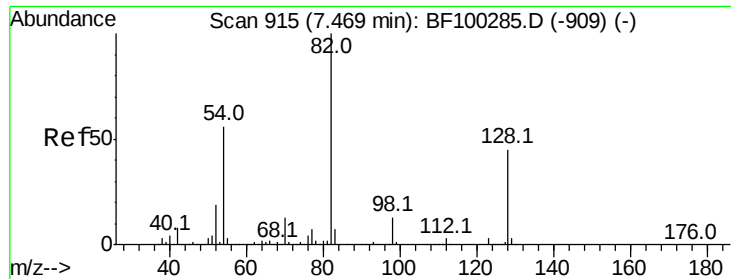
Ion 136.00 (135.70 to 136.70): E

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

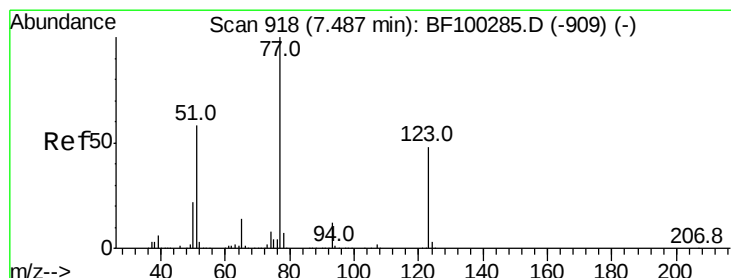
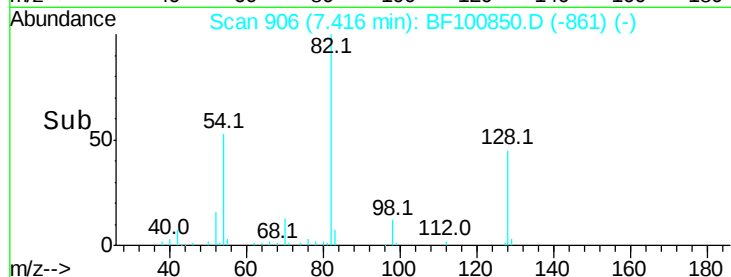
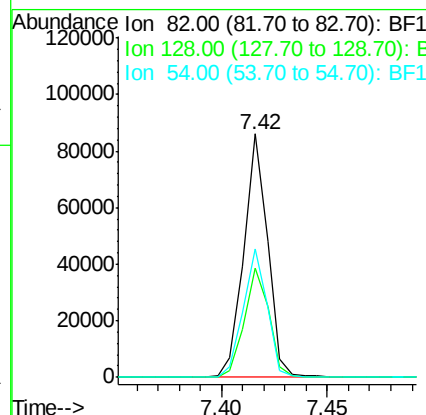
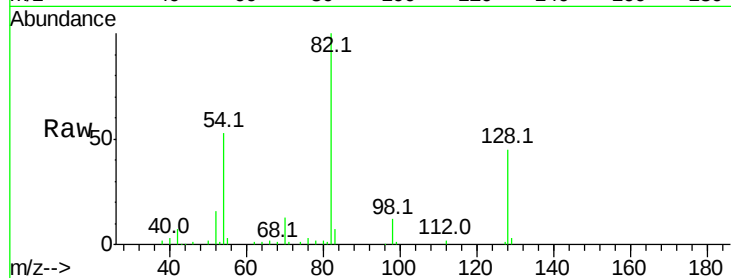




#23
 Nitrobenzene-d5
 Concen: 15.333 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.04 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

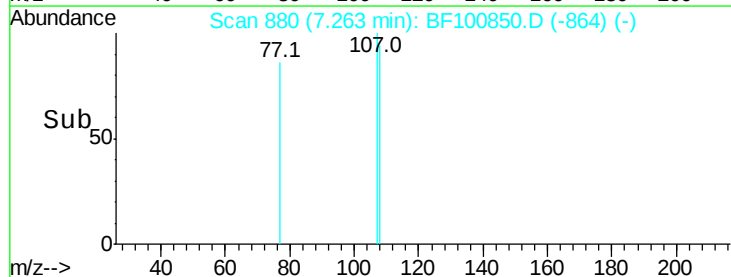
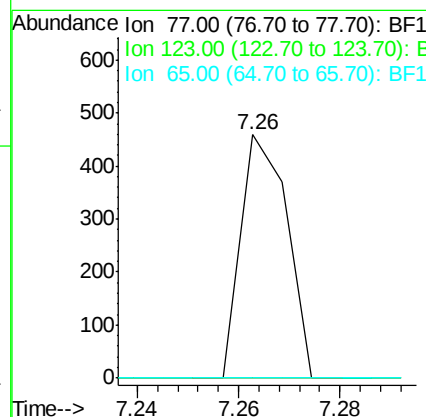
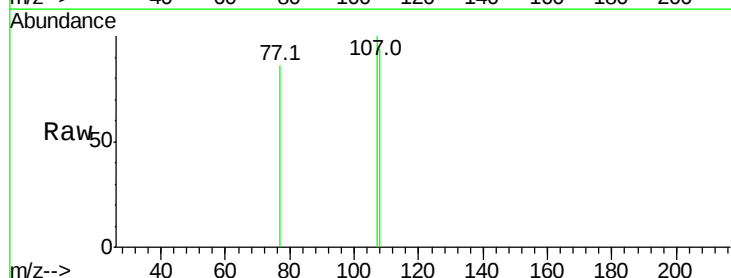
Instrument :
 BNA_F
 ClientSampleId :

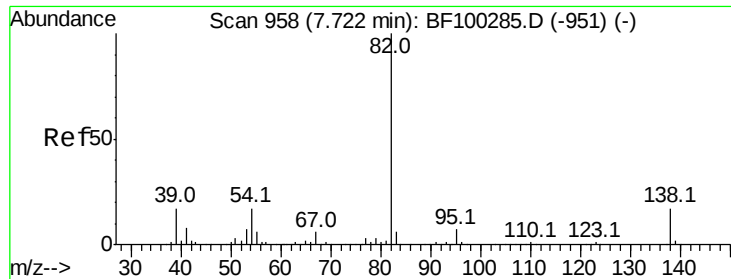
Tot Ion	82	Resp	66795
Ion Ratio	Lower	Upper	
82	100		
128	44.8	36.1	54.1
54	52.8	41.4	62.2



#24
 Nitrobenzene
 Concen: 0.065 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.21 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Tgt Ion	77	Resp	293
Ion Ratio	Lower	Upper	
77	100		
123	0.0	37.9	56.9#
65	0.0	11.0	16.4#

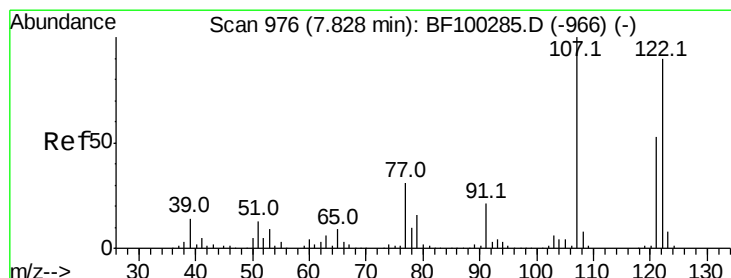
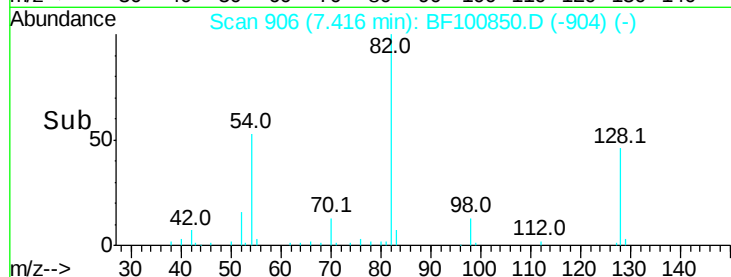
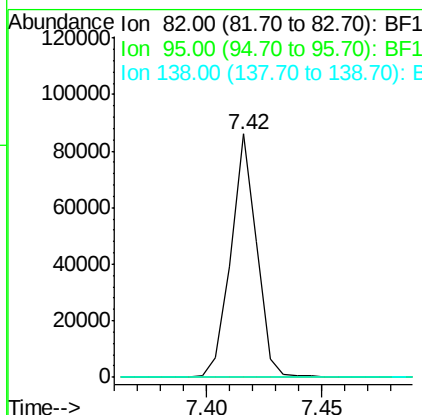
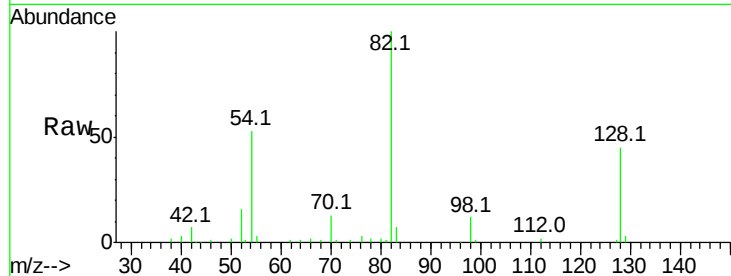




#25
Isophorone
Concen: 7.297 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.29 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

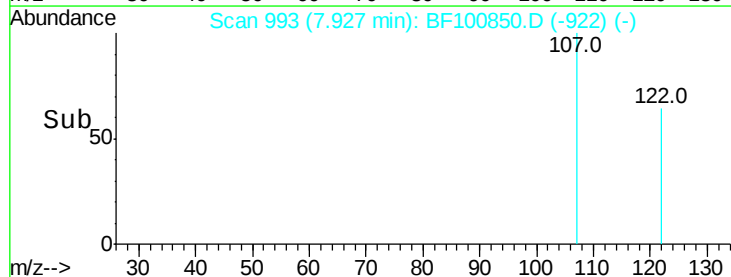
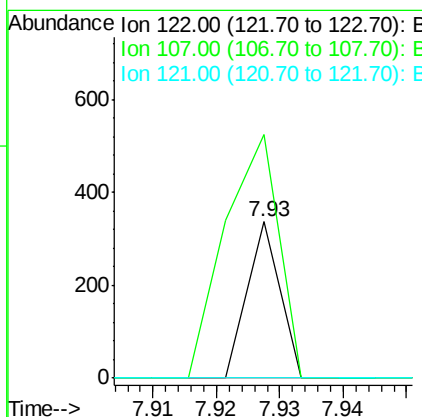
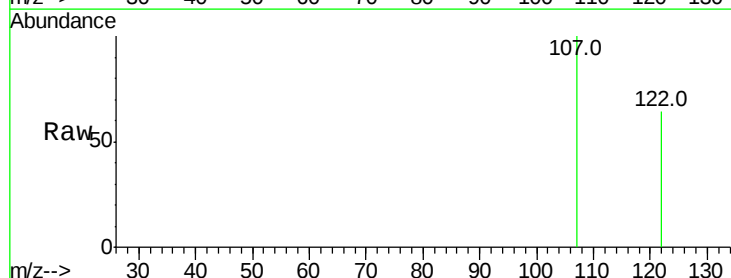
Instrument :
BNA_F
ClientSampleId :

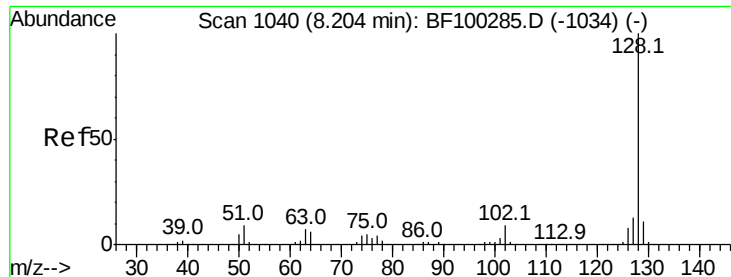
Tot Ion: 82 Resp: 66793
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#27
2,4-Dimethylphenol
Concen: 0.029 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.12 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
107 155.8 91.2 136.8#
121 0.0 47.2 70.8#

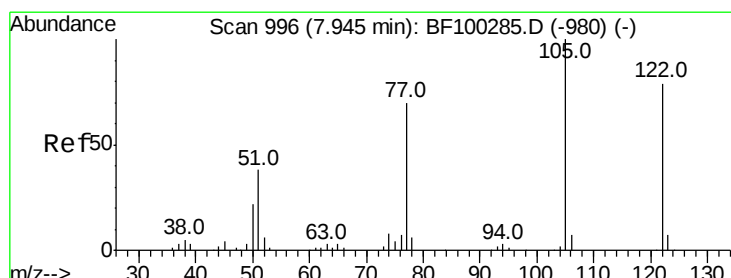
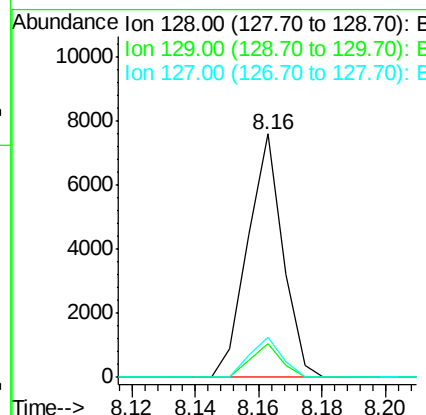
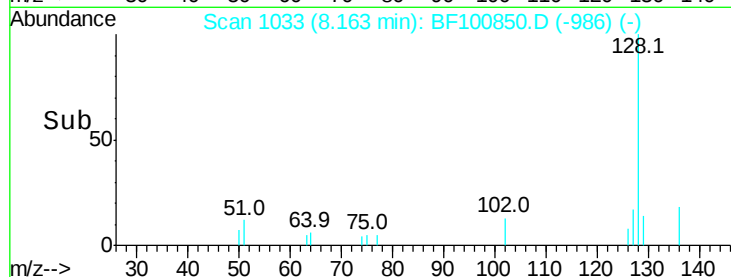
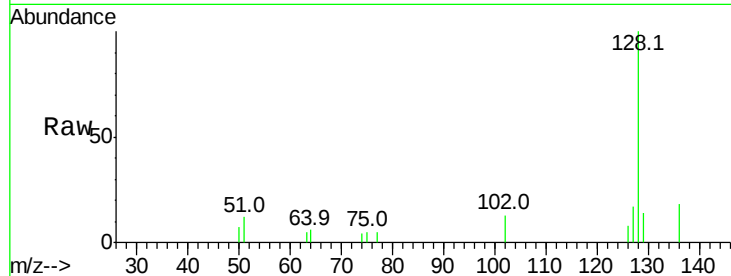




#31
Naphthalene
Concen: 0.420 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

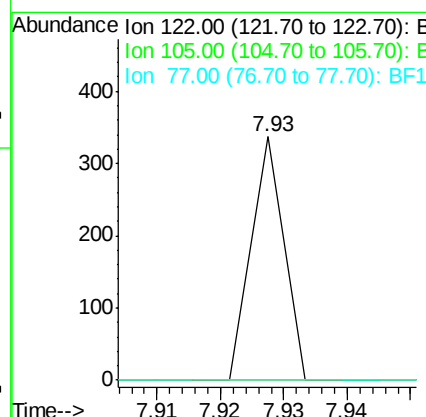
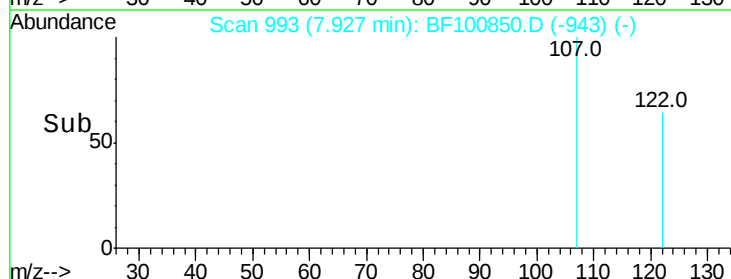
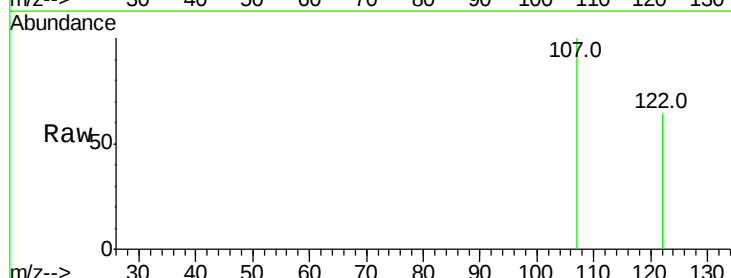
Instrument :
BNA_F
ClientSampleId :

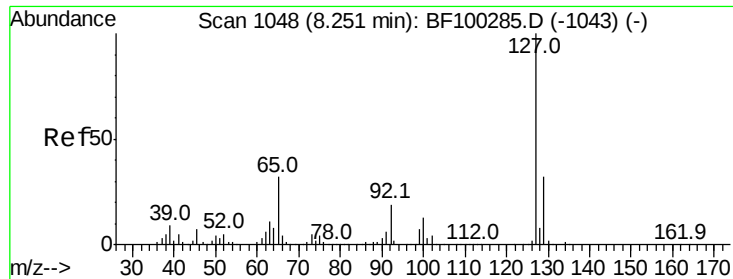
Tot Ion:128 Resp: 5822
Ion Ratio Lower Upper
128 100
129 14.0 8.8 13.2#
127 16.6 10.9 16.3#



#32
Benzoic acid
Concen: 9.401 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#

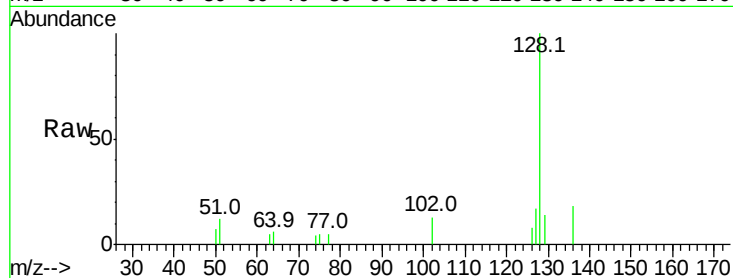




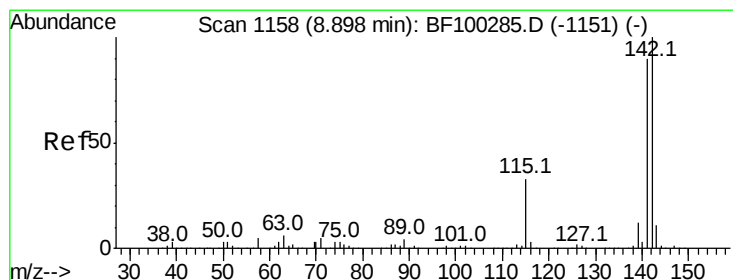
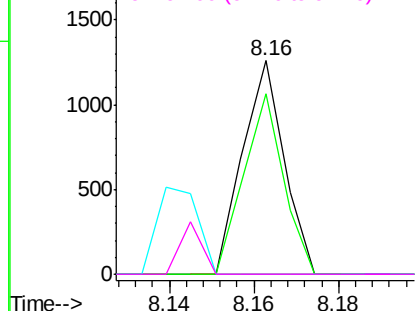
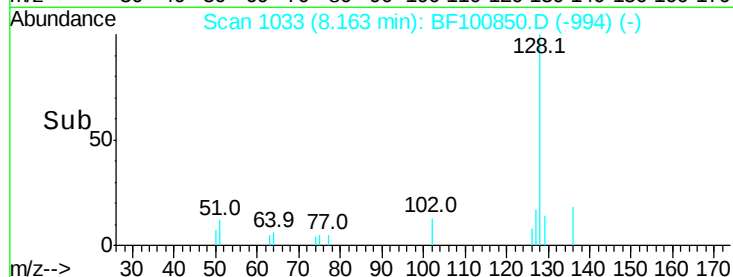
#33
4-Chloroaniline
Concen: 0.148 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.07 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	84.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

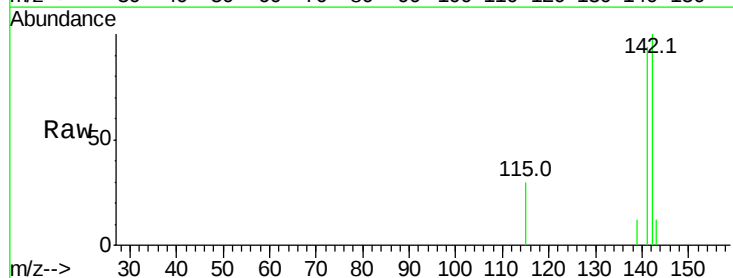


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

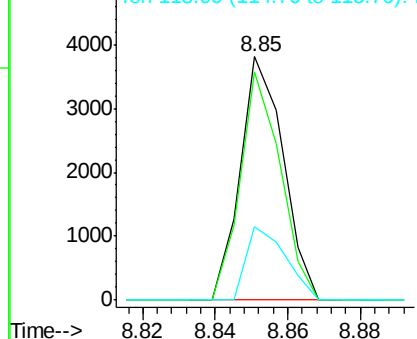
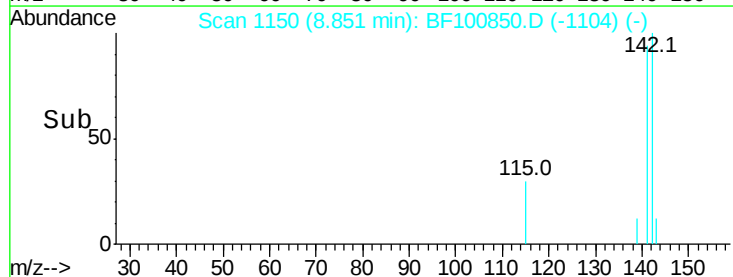


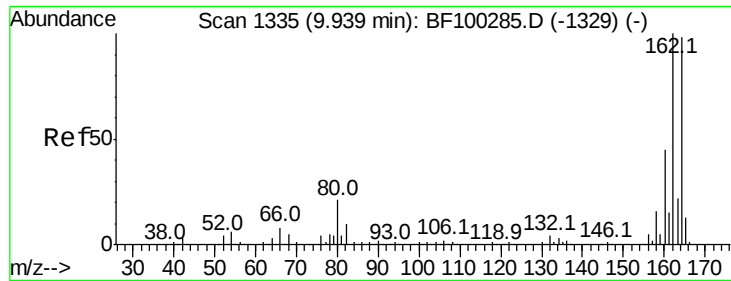
#37
2-Methylnaphthalene
Concen: 0.339 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	70.8	106.2
115	30.1	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

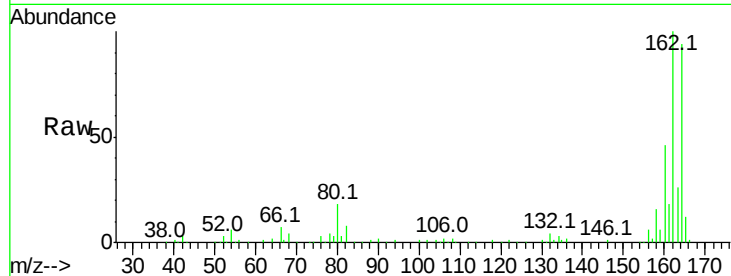




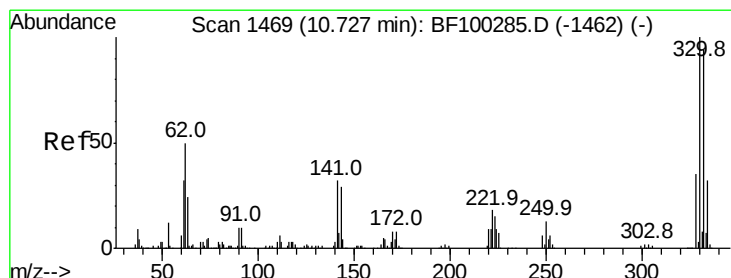
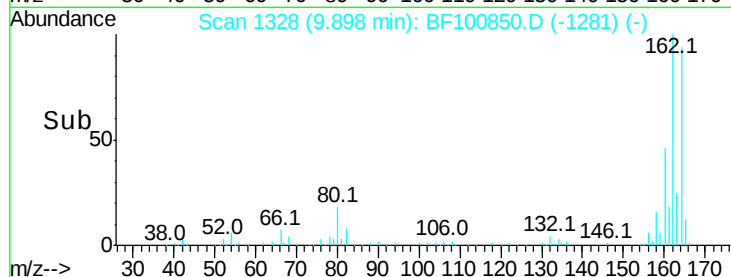
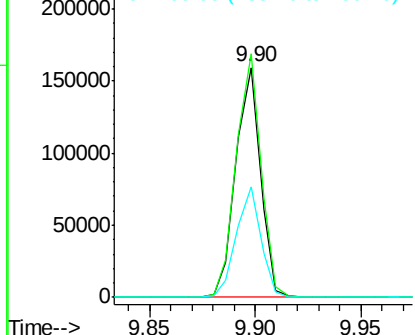
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	48.2	38.3	57.5

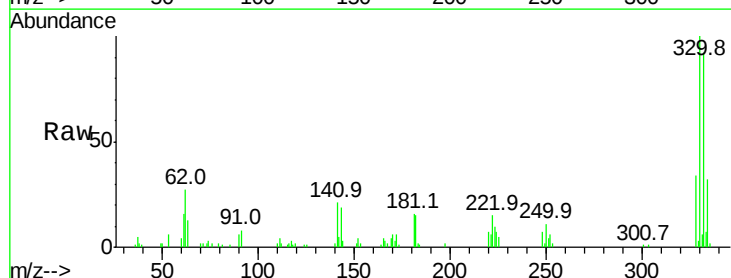


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

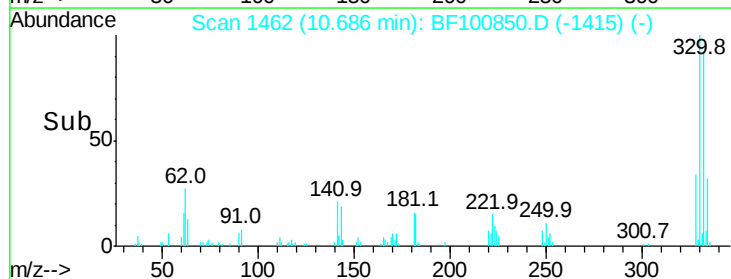
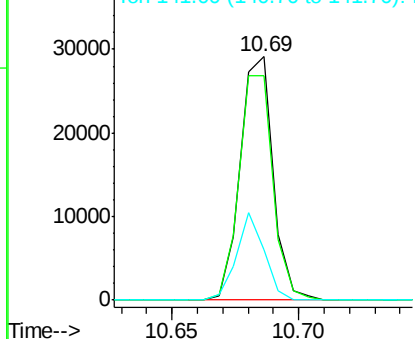


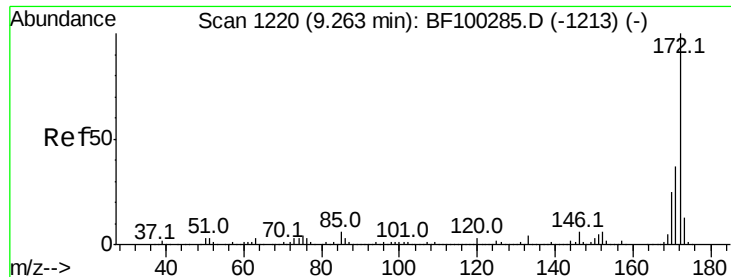
#41
2,4,6-Tribromophenol
Concen: 19.960 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	30.0	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

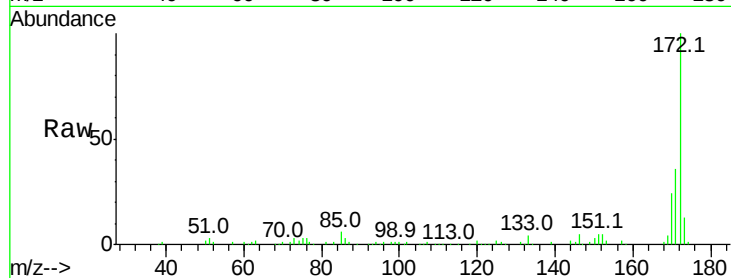




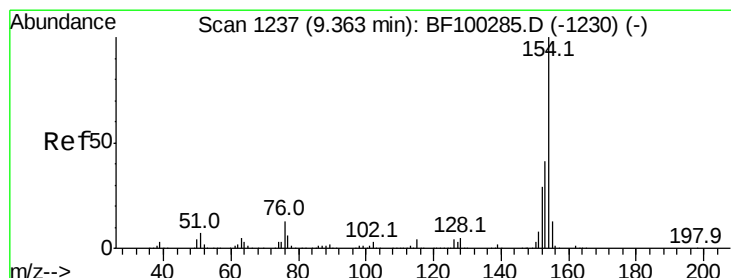
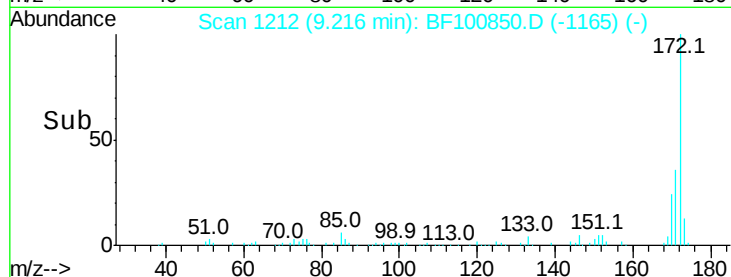
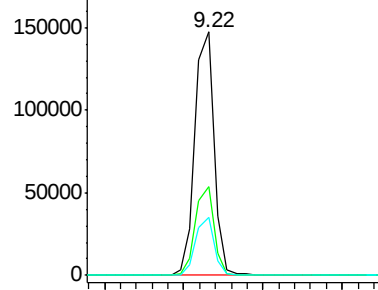
#44
 2-Fluorobiphenyl
 Concen: 14.778 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 124764
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.7 19.6 29.4

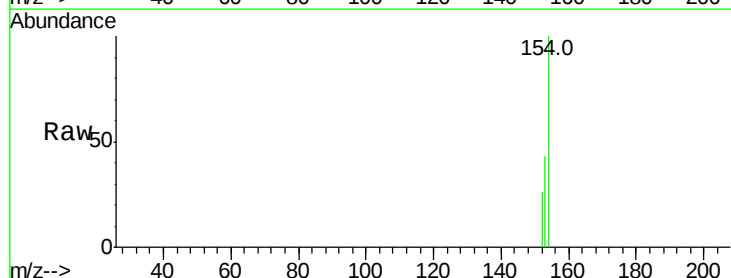


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

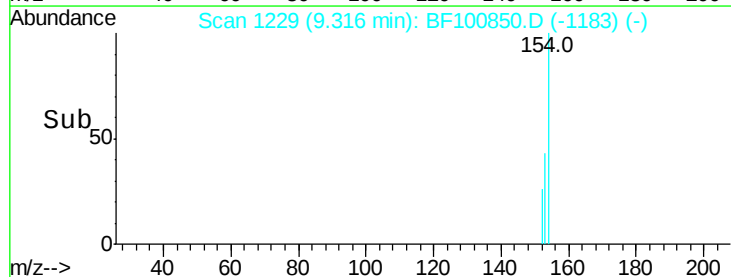
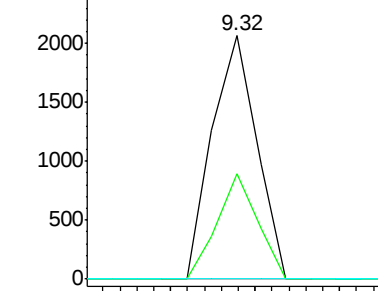


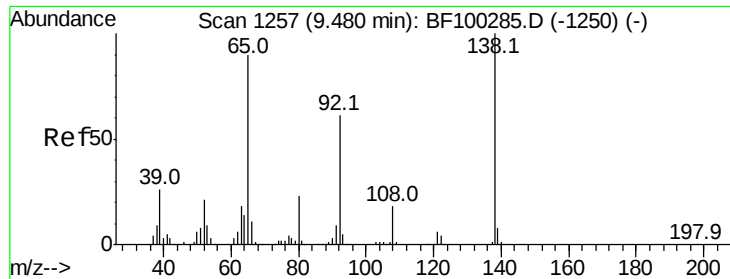
#45
 1,1'-Biphenyl
 Concen: 0.137 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Tgt Ion:154 Resp: 1520
 Ion Ratio Lower Upper
 154 100
 153 43.3 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: 2.846 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.25 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

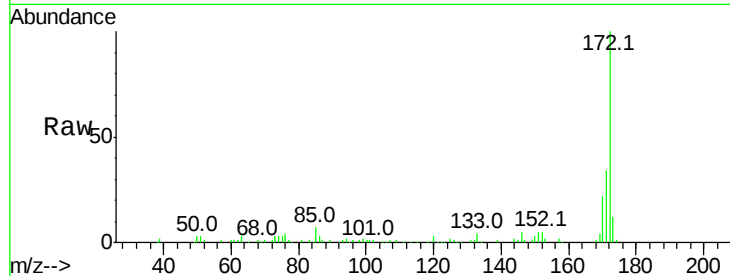
Tot Ion: 65 Resp: 158

Ion Ratio Lower Upper

65 100

92 81.1 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

9.21

400

300

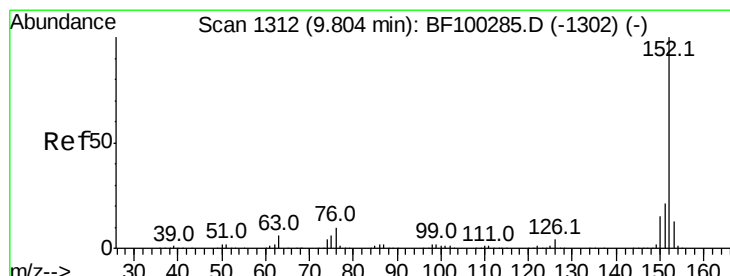
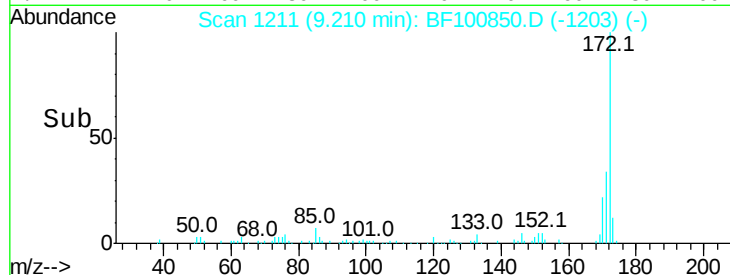
200

100

0

9.19 9.20 9.21 9.22

Time-->



#48

Acenaphthylene

Concen: 0.276 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

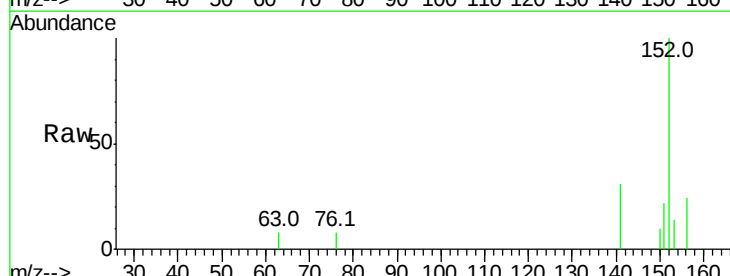
Tgt Ion: 152 Resp: 3687

Ion Ratio Lower Upper

152 100

151 21.9 16.3 24.5

153 13.8 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

9.76

6000

5000

4000

3000

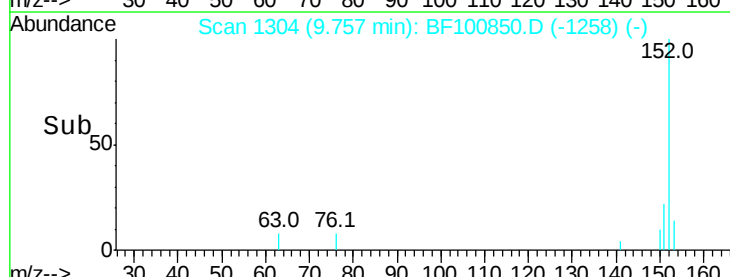
2000

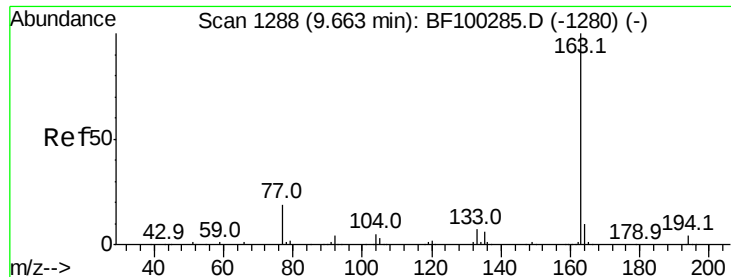
1000

0

9.72 9.74 9.76 9.78

Time-->

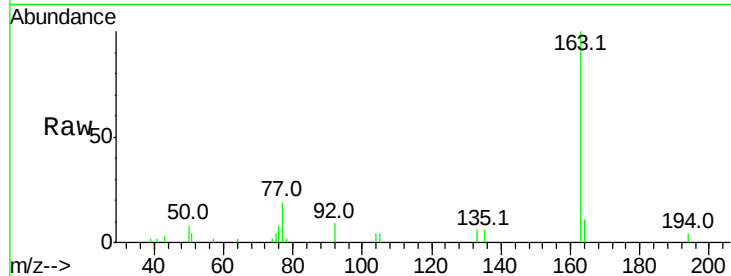




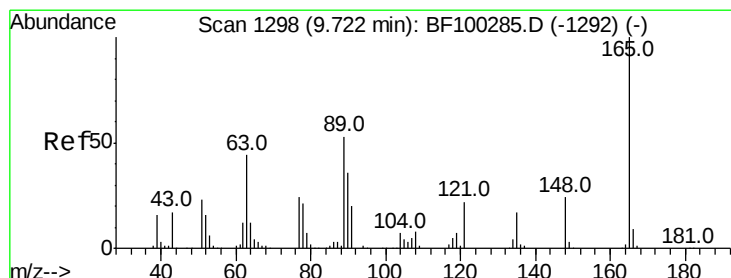
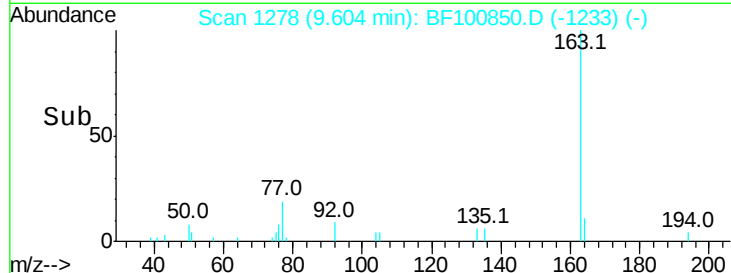
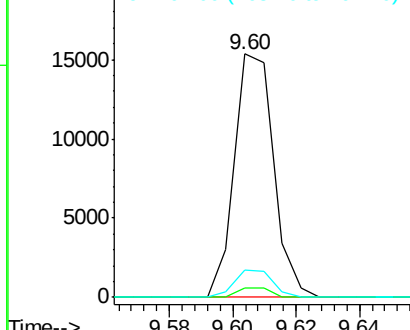
#49
Dimethylphthalate
Concen: 1.337 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.04 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 13125
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 11.1 8.2 12.2

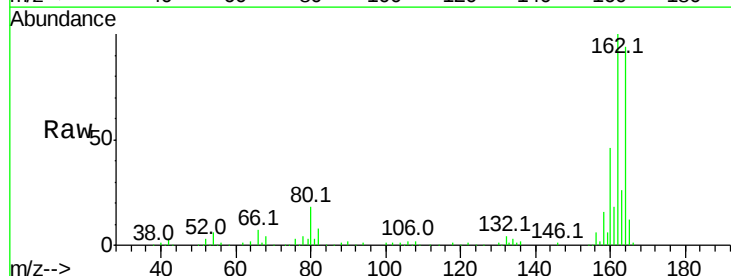


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

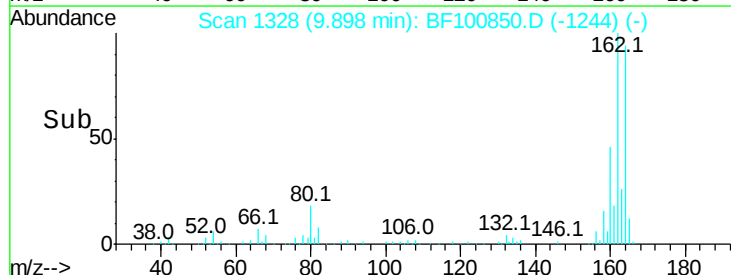
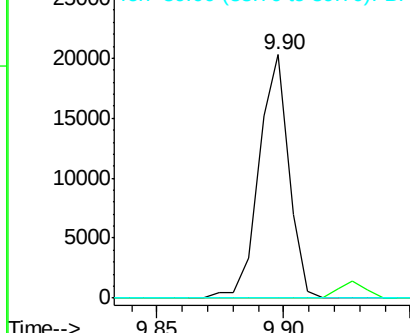


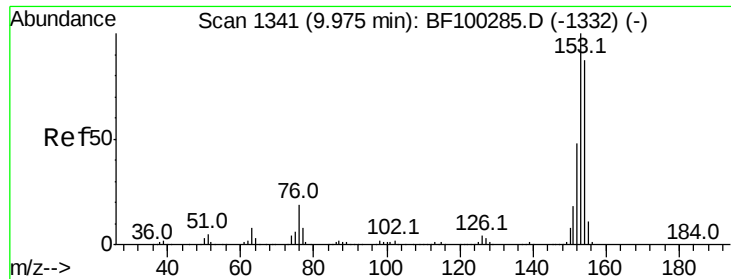
#50
2,6-Dinitrotoluene
Concen: 8.583 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:165 Resp: 16676
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: 1.602 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampled :

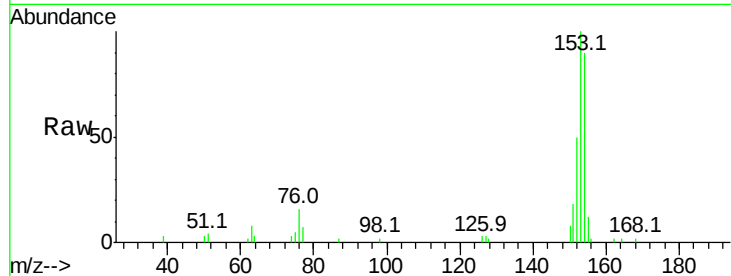
Tot Ion:154 Resp: 13023

Ion Ratio Lower Upper

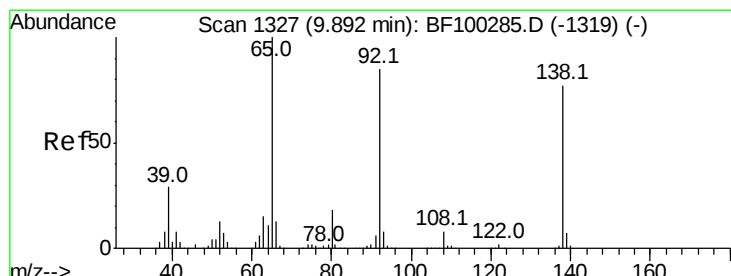
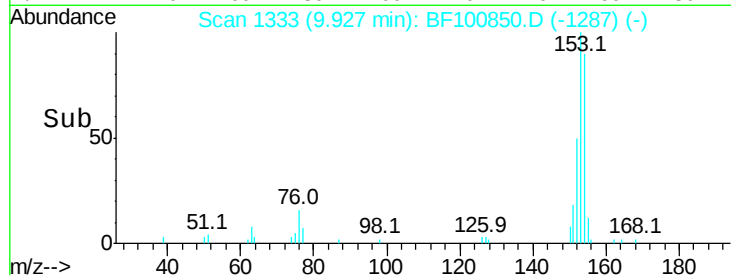
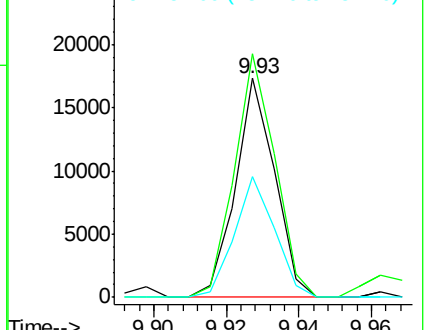
154 100

153 111.2 91.2 136.8

152 55.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.055 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.22 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

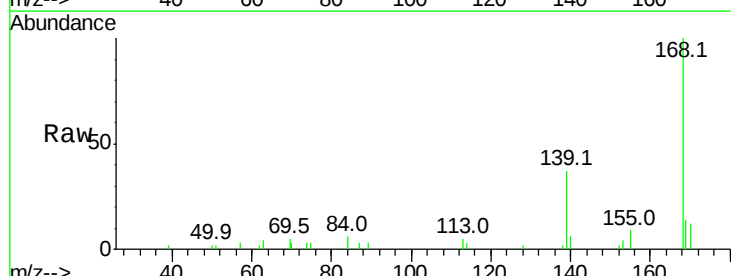
Tgt Ion:138 Resp: 126

Ion Ratio Lower Upper

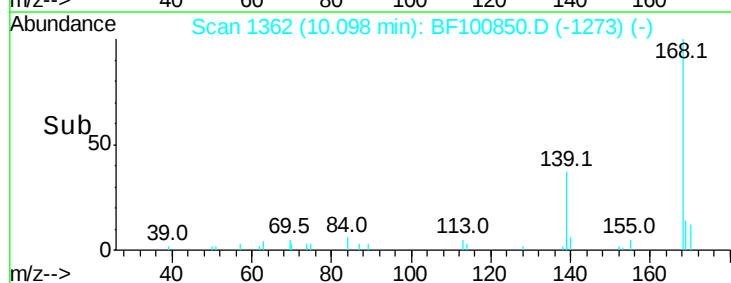
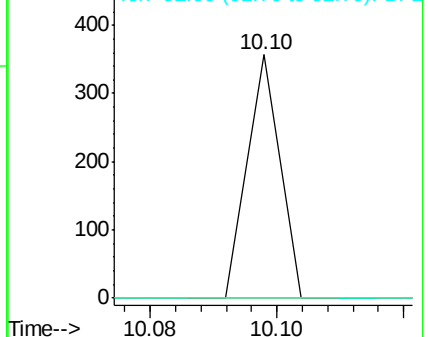
138 100

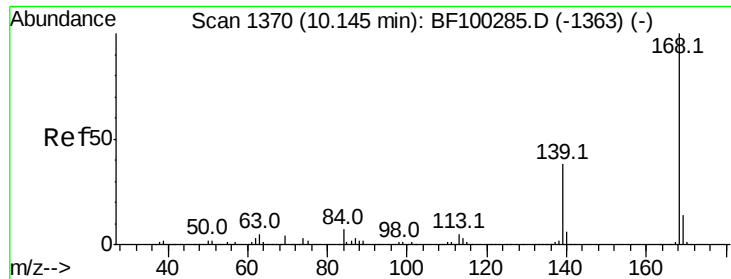
108 0.0 9.4 14.0#

92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1





#54

Dibenzofuran

Concen: 1.092 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

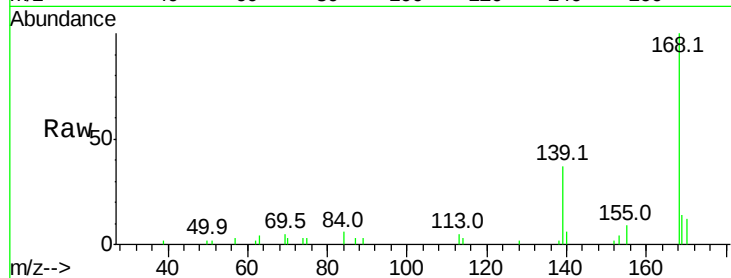
Tot Ion:168 Resp: 12443

Ion Ratio Lower Upper

168 100

139 36.9 30.1 45.1

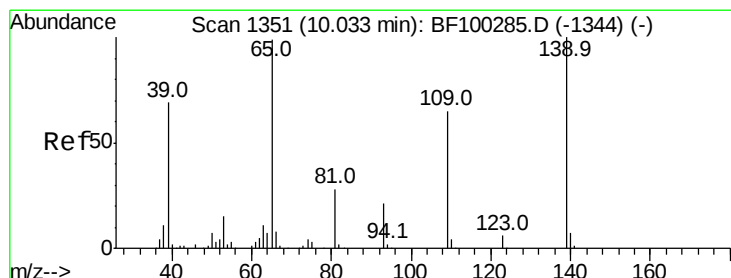
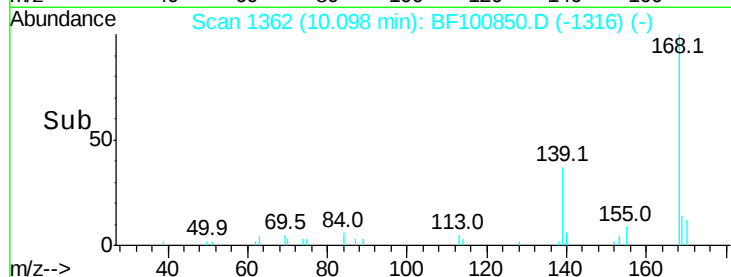
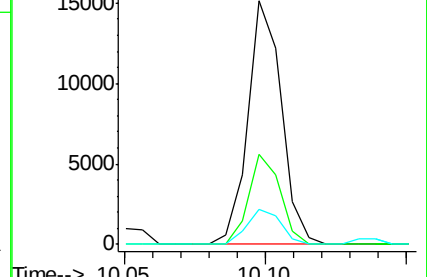
169 14.4 10.9 16.3



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: 2.318 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.08 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

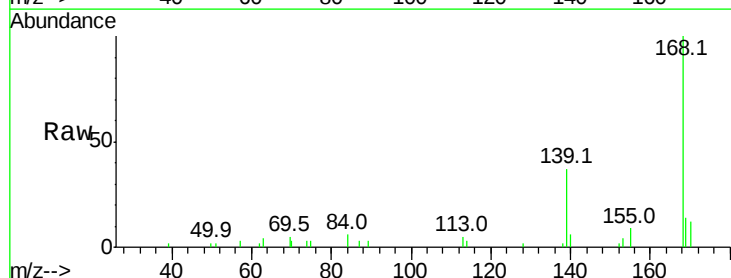
Tgt Ion:139 Resp: 4318

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

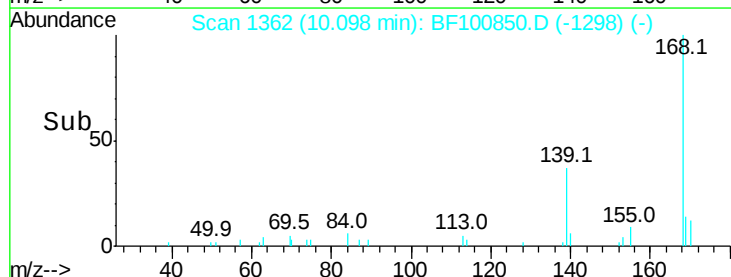
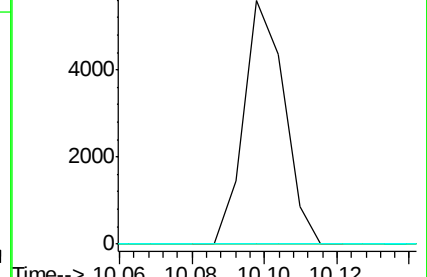
65 0.0 72.6 112.6#

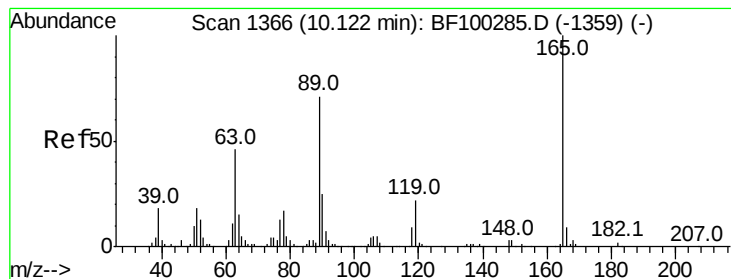


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#56

2,4-Dinitrotoluene

Concen: 6.804 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.21 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 16676

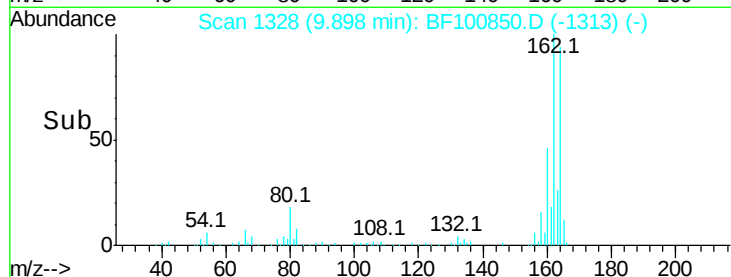
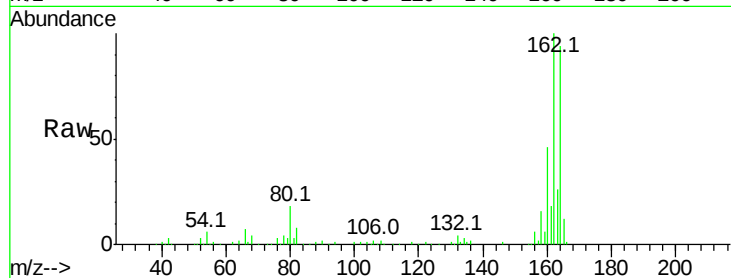
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

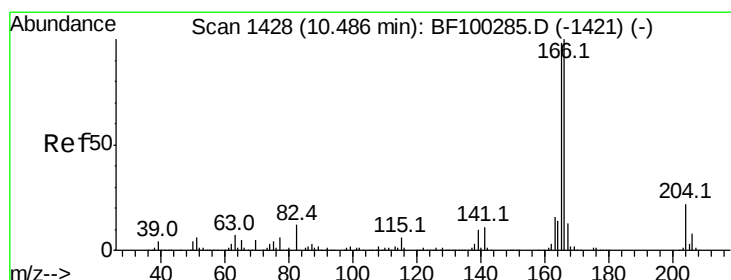
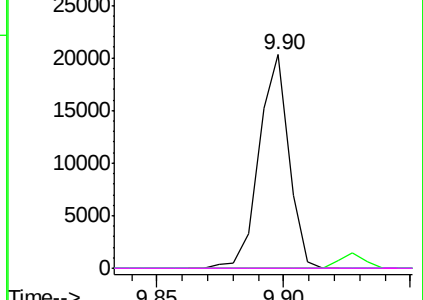


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 1.981 ng

RT: 10.44 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

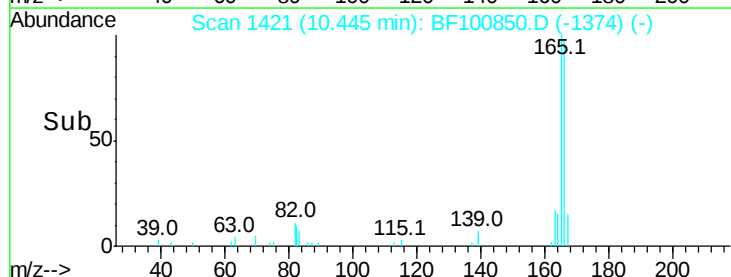
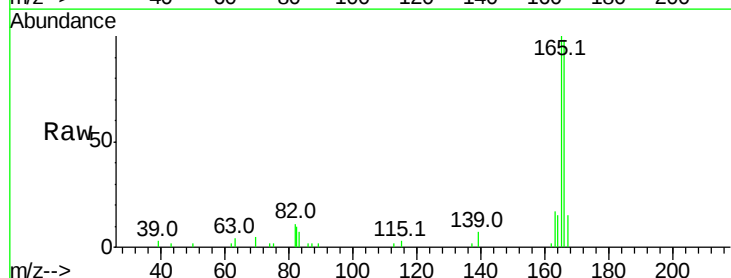
Tgt Ion:166 Resp: 16533

Ion Ratio Lower Upper

166 100

165 102.5 79.8 119.8

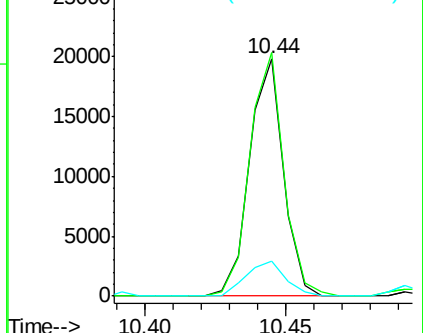
167 15.0 10.6 16.0

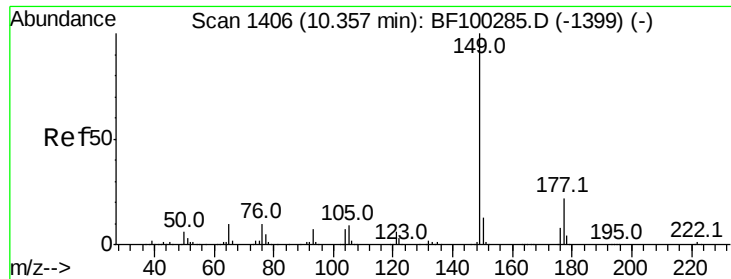


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

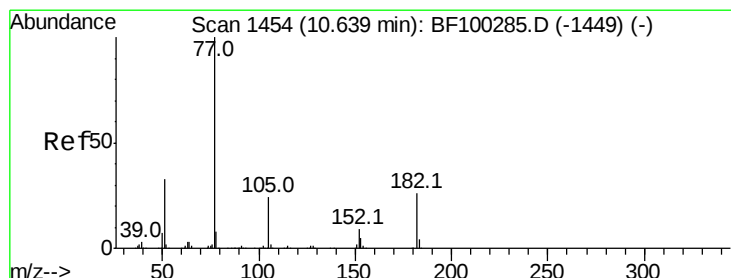
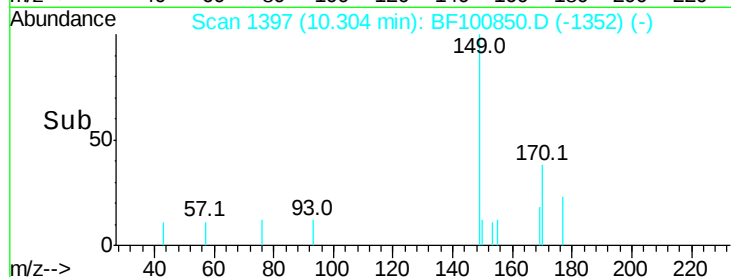
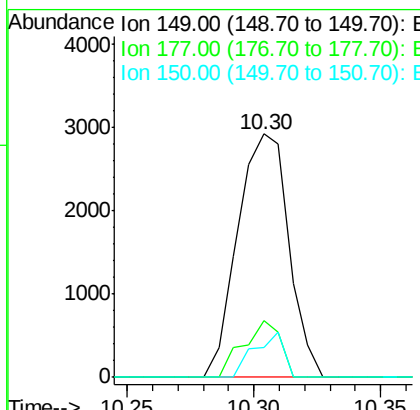
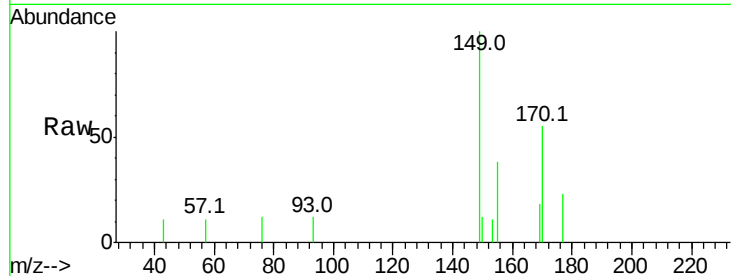




#59
Diethylphthalate
Concen: 0.417 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.04 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

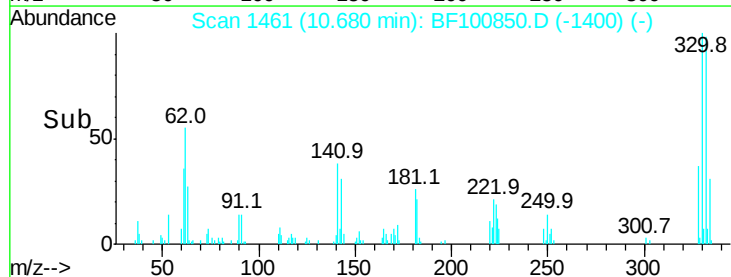
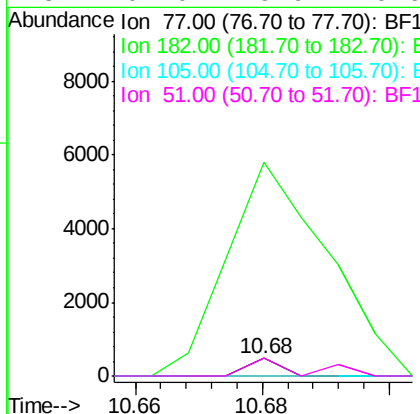
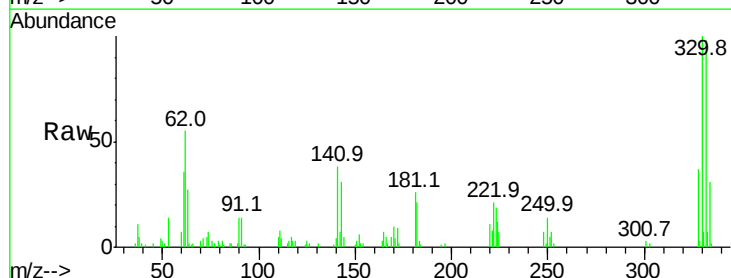
Instrument :
BNA_F
ClientSampleId :

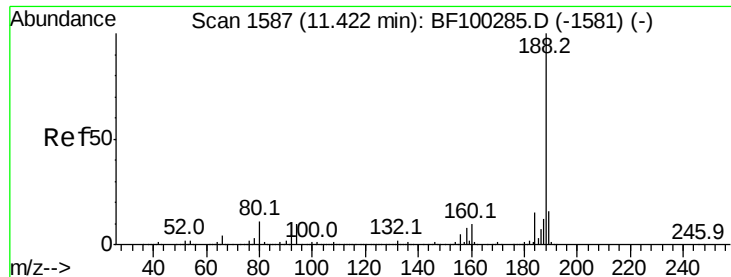
Tot Ion:149 Resp: 4095
Ion Ratio Lower Upper
149 100
177 23.5 16.1 24.1
150 12.2 10.1 15.1



#62
Azobenzene
Concen: 0.018 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.06 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion: 77 Resp: 169
Ion Ratio Lower Upper
77 100
182 1213.8 1.7 41.7#
105 0.0 3.0 43.0#
51 101.0 9.9 49.9#

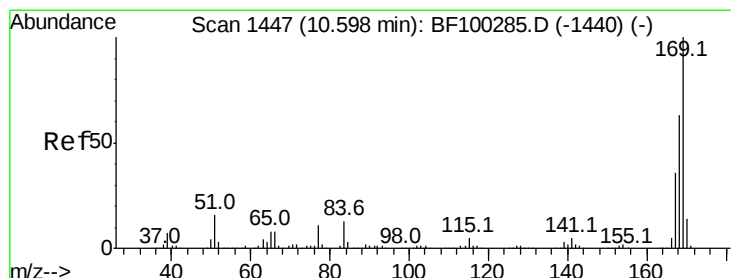
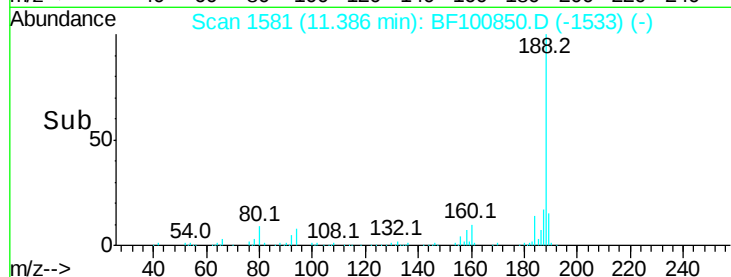
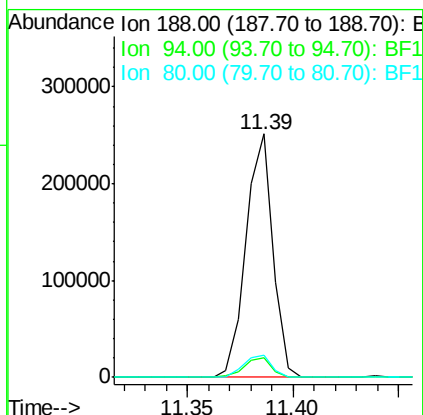
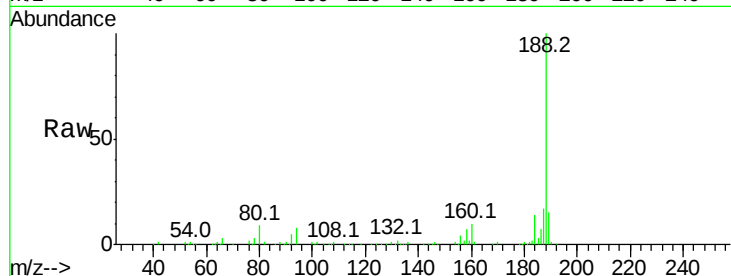




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

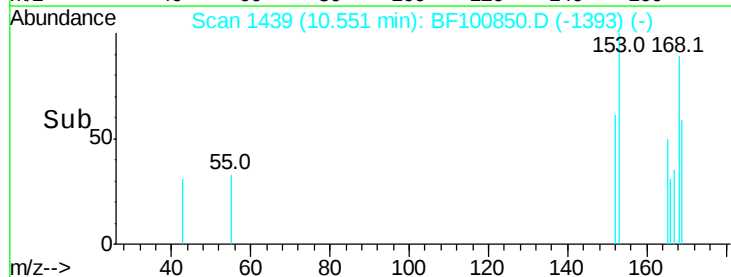
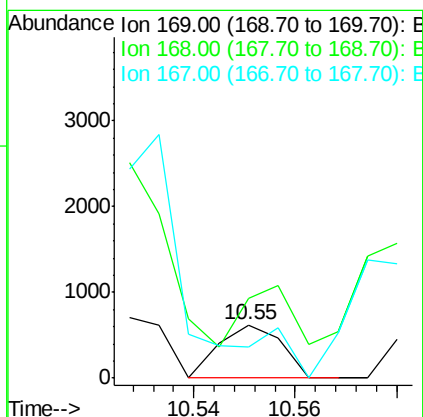
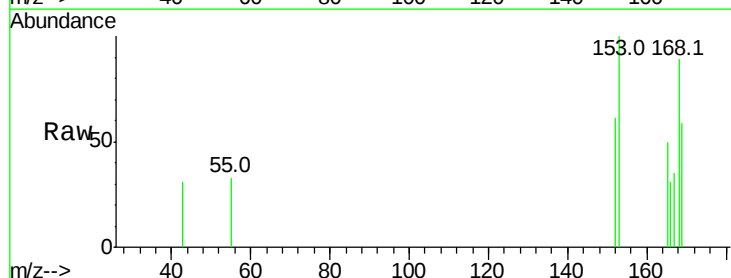
Instrument :
BNA_F
ClientSampleId :

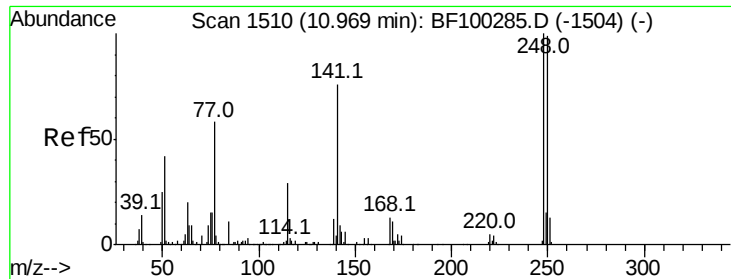
Tot Ion:188 Resp: 222045
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.9 9.2 13.8#



#65
n-Nitrosodiphenylamine
Concen: 0.069 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.03 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:169 Resp: 529
Ion Ratio Lower Upper
169 100
168 150.4 54.4 81.6#
167 58.6 29.8 44.6#

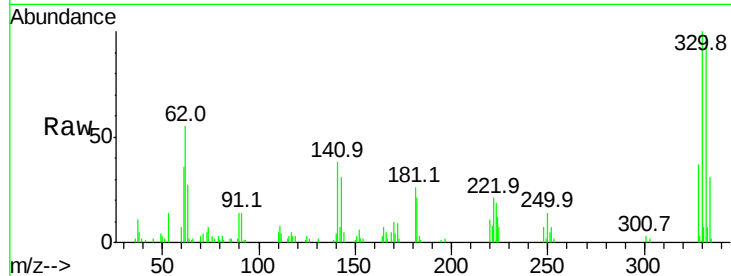




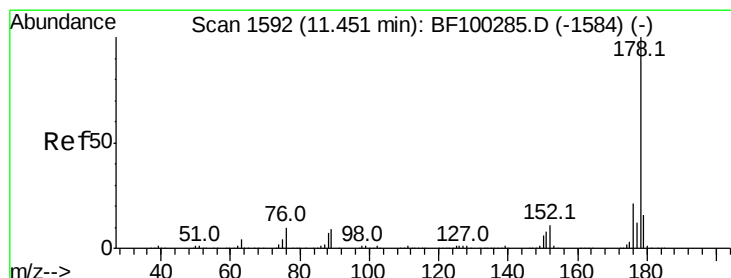
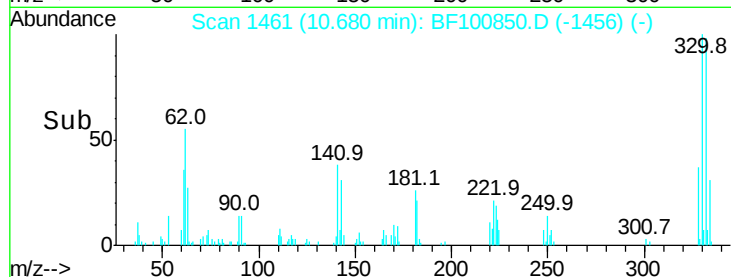
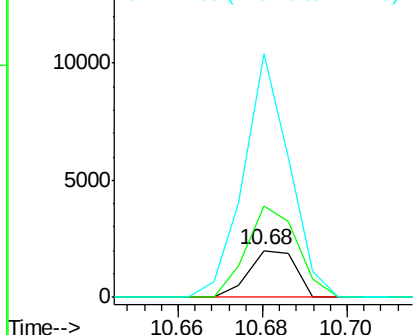
#66
 4-Bromophenyl-phenylether
 Concen: 0.657 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.27 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 1563
 Ion Ratio Lower Upper
 248 100
 250 194.9 76.9 115.3#
 141 520.4 74.4 111.6#

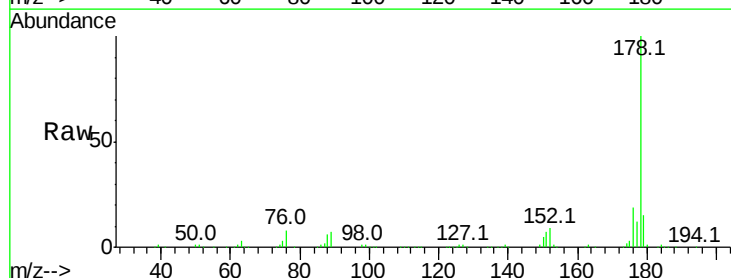


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

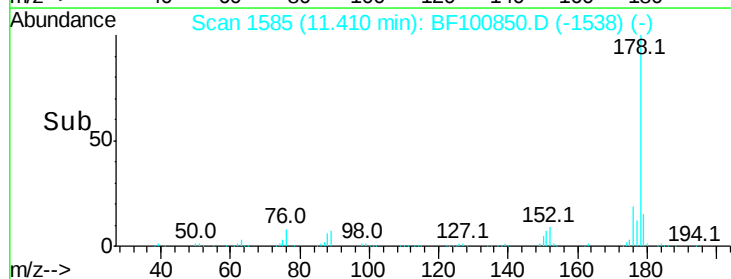
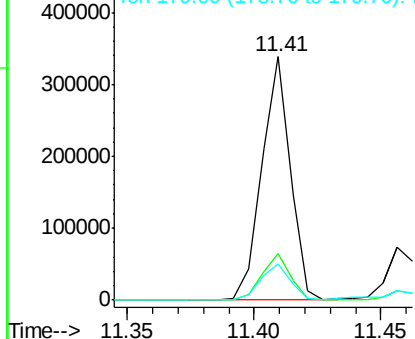


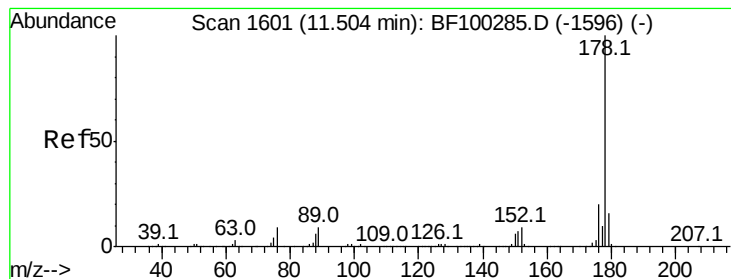
#70
 Phenanthrene
 Concen: 22.844 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.02 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Tgt Ion:178 Resp: 267066
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.8 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: 4.949 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

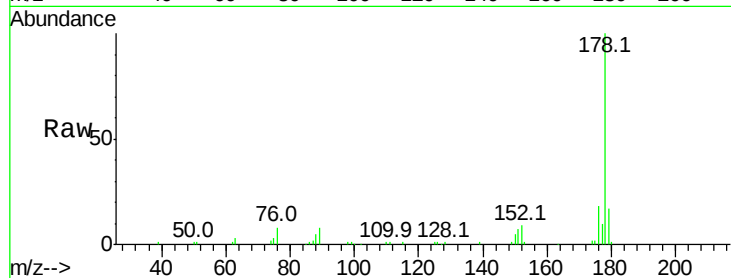
Tot Ion:178 Resp: 58703

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

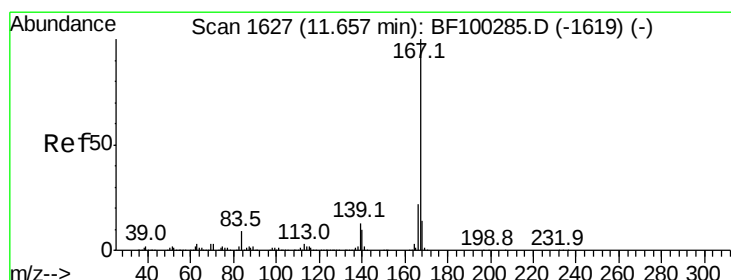
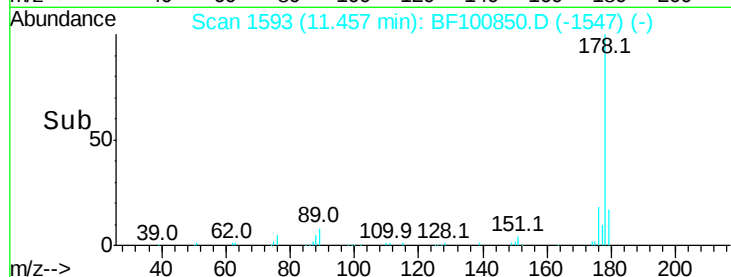
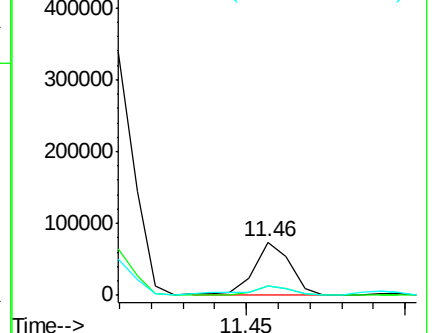
179 16.8 12.6 19.0



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: 2.072 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

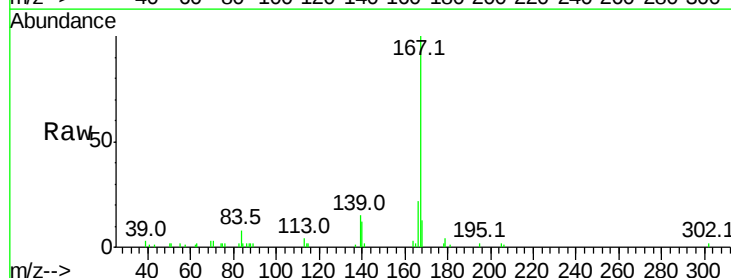
Tgt Ion:167 Resp: 22672

Ion Ratio Lower Upper

167 100

166 22.3 17.6 26.4

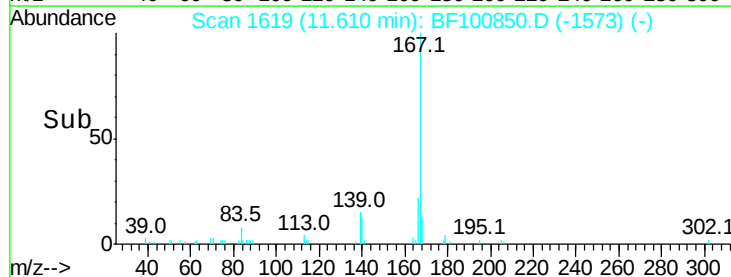
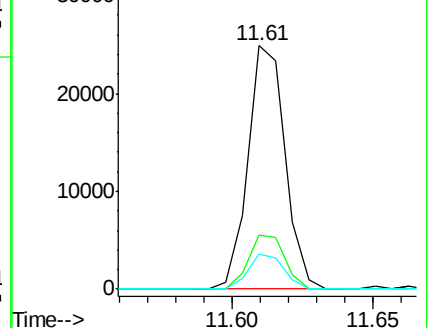
139 14.6 10.9 16.3

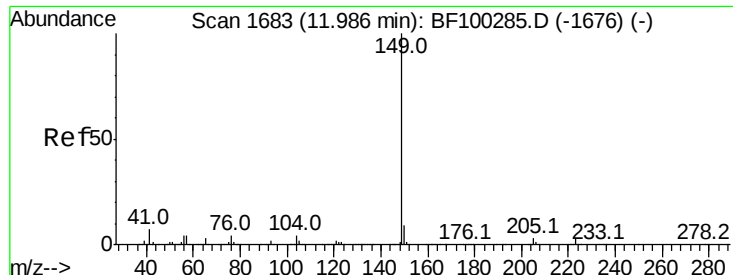


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.120 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

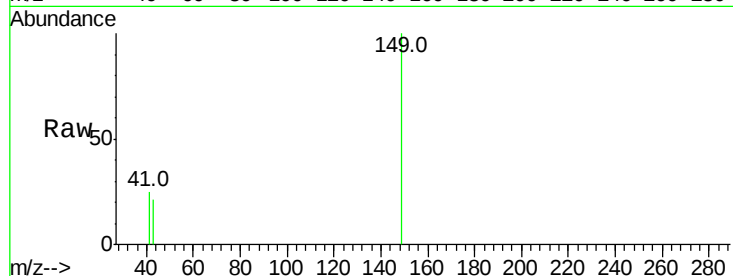
Tot Ion:149 Resp: 1536

Ion Ratio Lower Upper

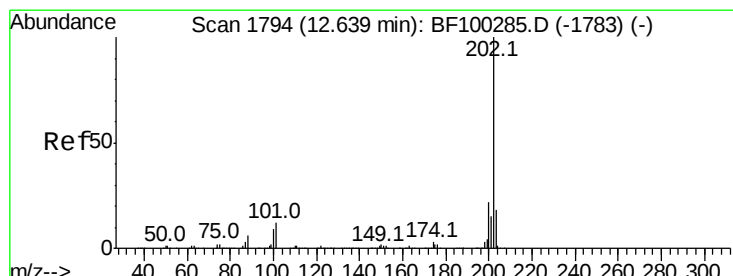
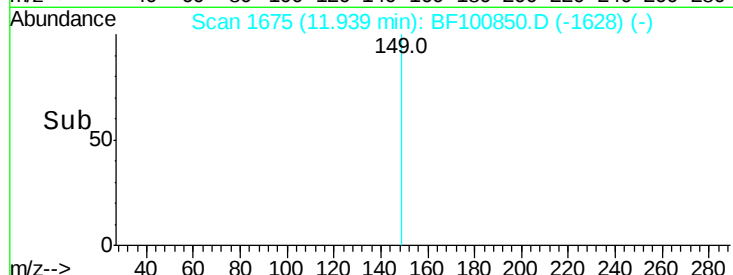
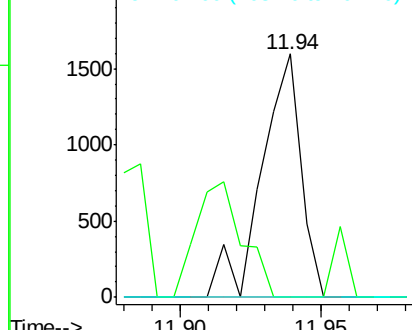
149 100

150 0.0 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



#74

Fluoranthene

Concen: 19.769 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

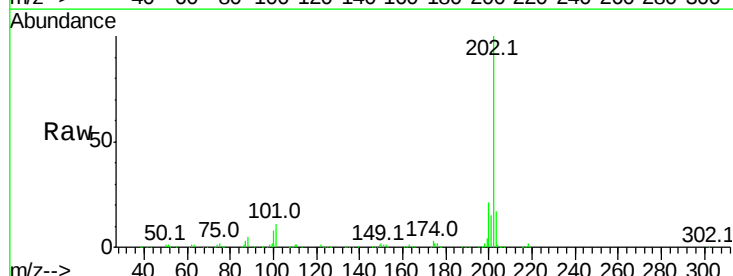
Tgt Ion:202 Resp: 244938

Ion Ratio Lower Upper

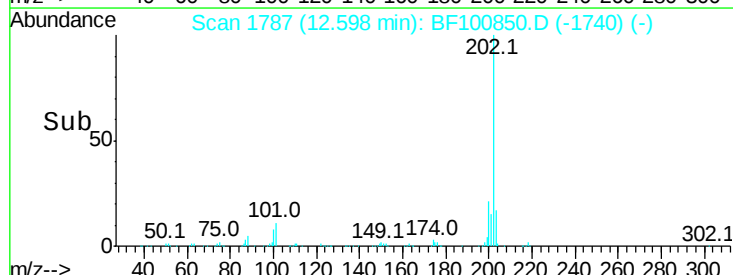
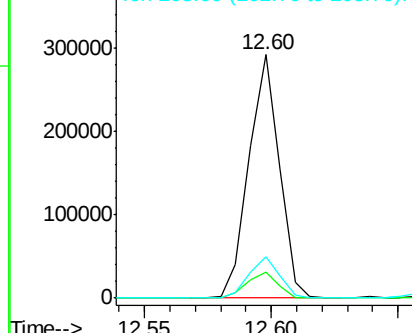
202 100

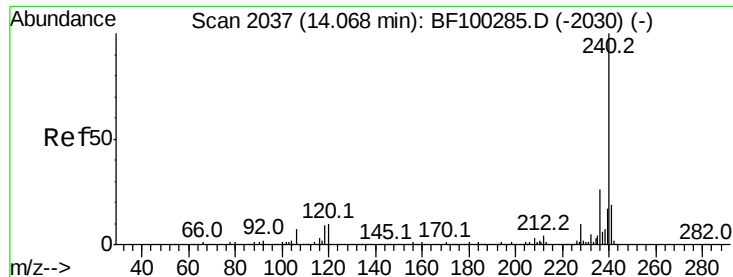
101 10.9 0.0 34.1

203 17.1 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: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

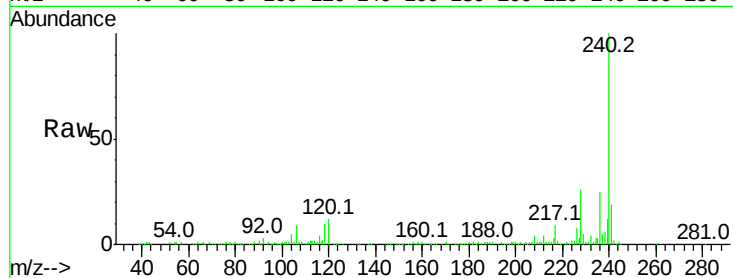
Tot Ion:240 Resp: 148827

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

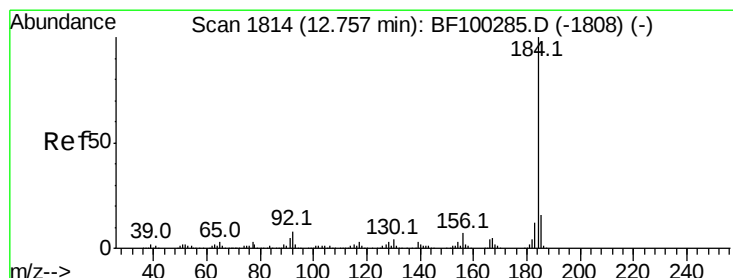
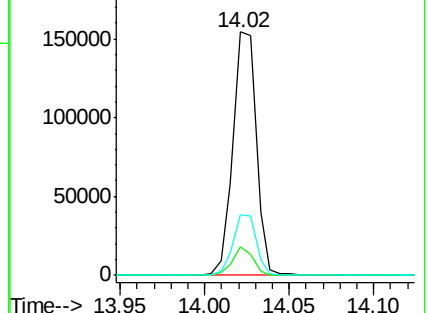
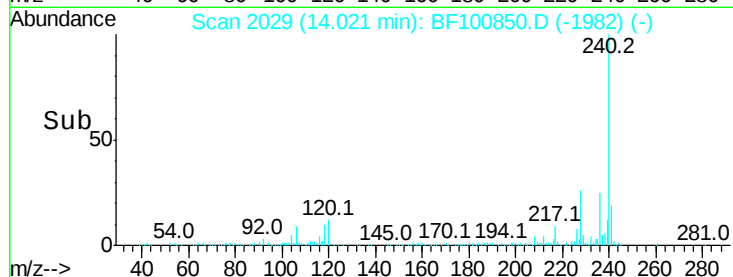
236 24.8 20.7 31.1



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: 0.158 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.22 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

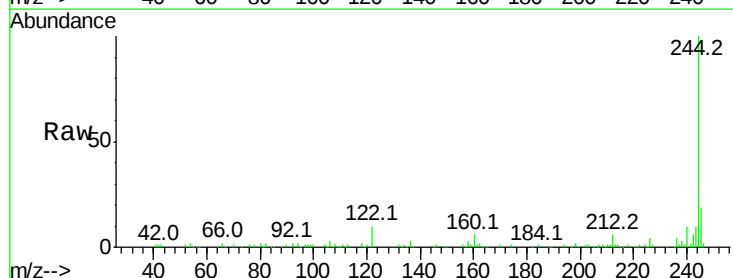
Tgt Ion:184 Resp: 941

Ion Ratio Lower Upper

184 100

185 0.0 12.6 18.8#

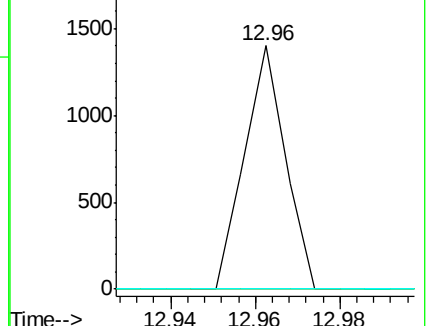
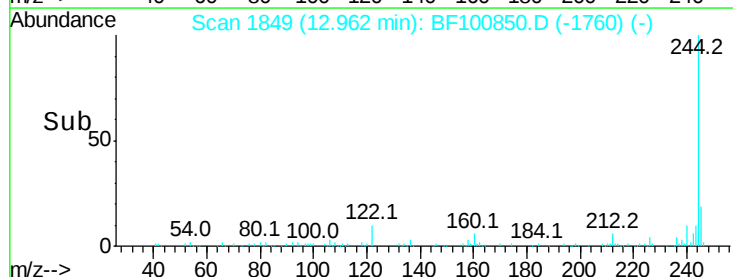
183 0.0 9.3 13.9#

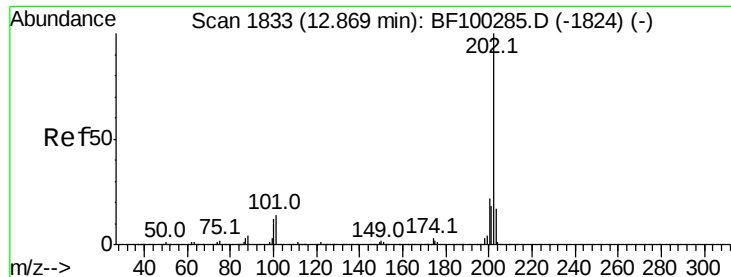


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 20.224 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

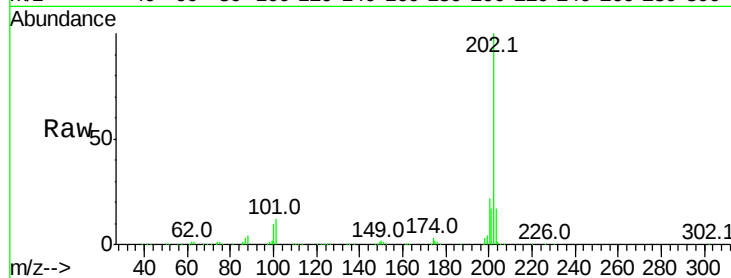
Tot Ion:202 Resp: 214553

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

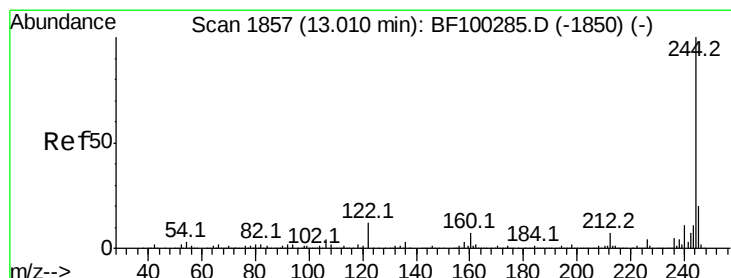
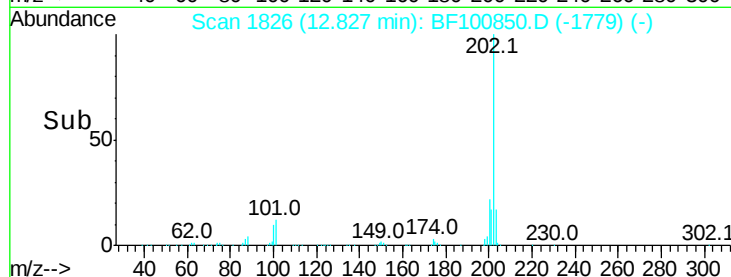
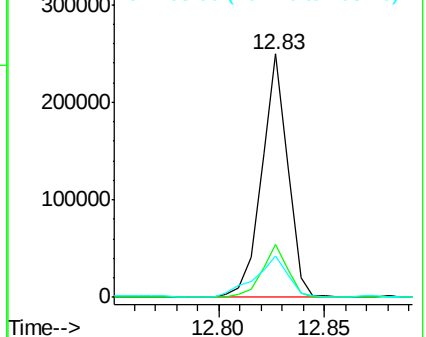
203 17.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 12.915 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

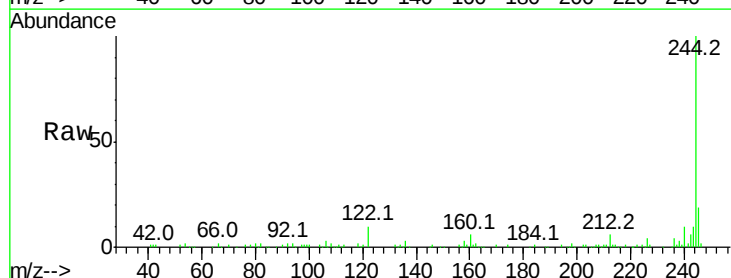
Tgt Ion:244 Resp: 83655

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

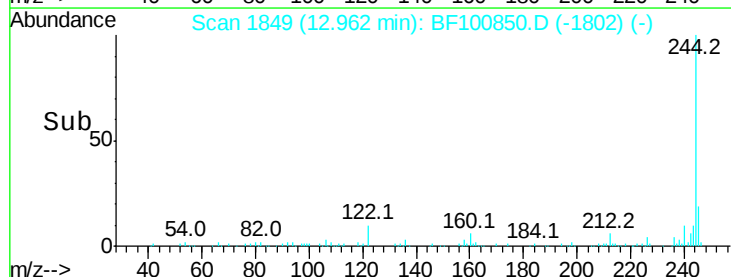
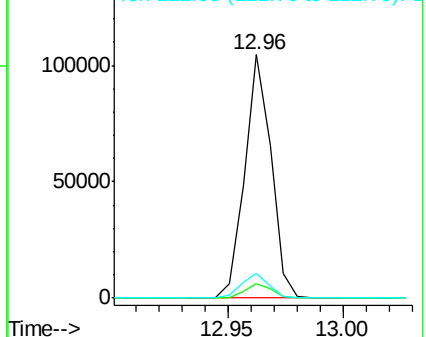
122 9.9 11.0 16.4#

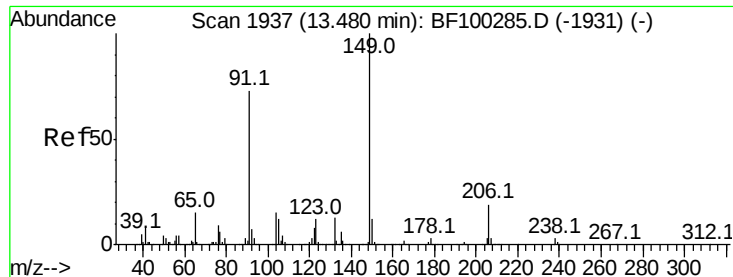


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

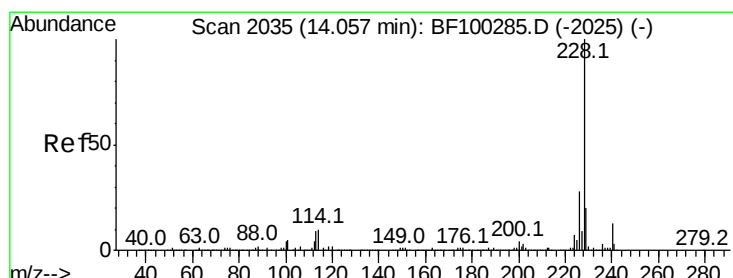
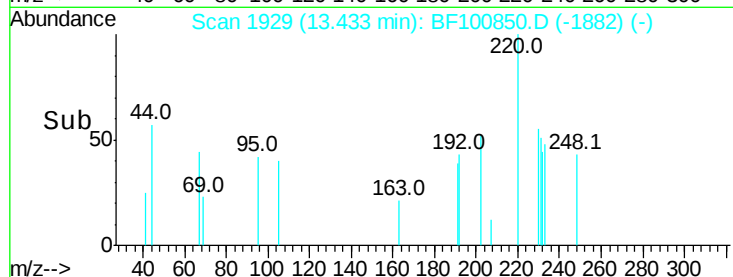
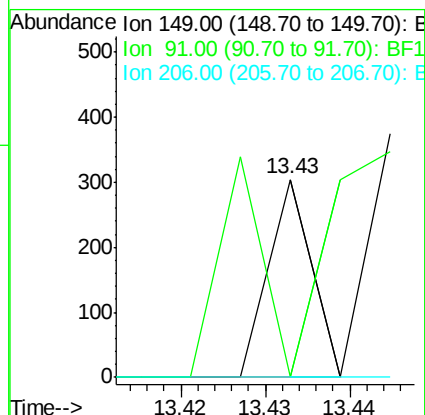
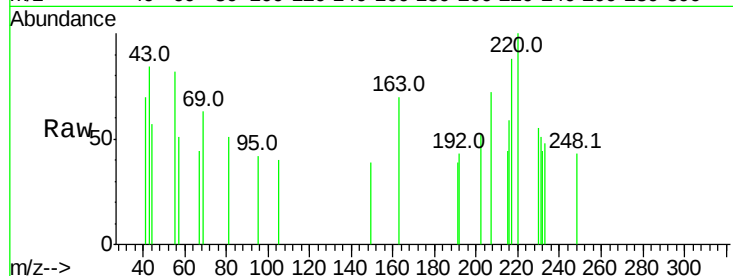




#79
Butylbenzylphthalate
Concen: 0.025 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

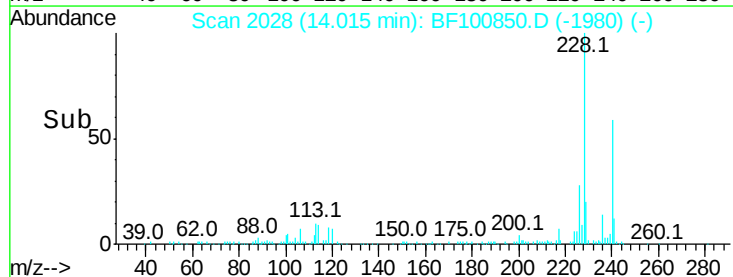
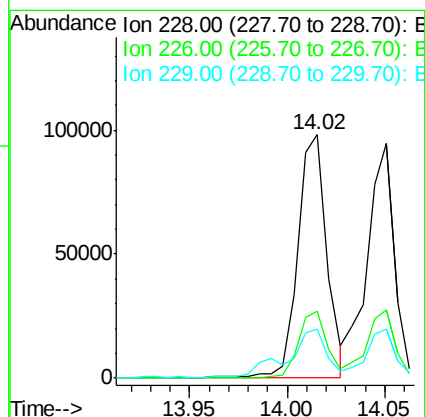
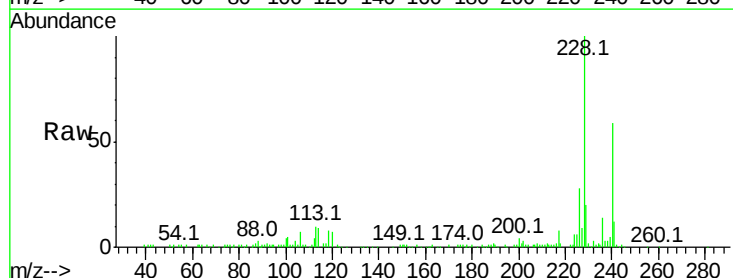
Instrument :
BNA_F
ClientSampled :

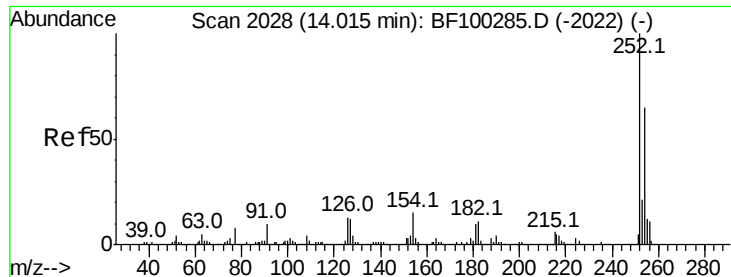
Tot Ion:149 Resp: 107
Ion Ratio Lower Upper
149 100
91 0.0 56.8 85.2#
206 0.0 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 11.291 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:228 Resp: 101189
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.9 15.8 23.6





#81

3,3'-Dichlorobenzidine

Concen: 0.368 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.06 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

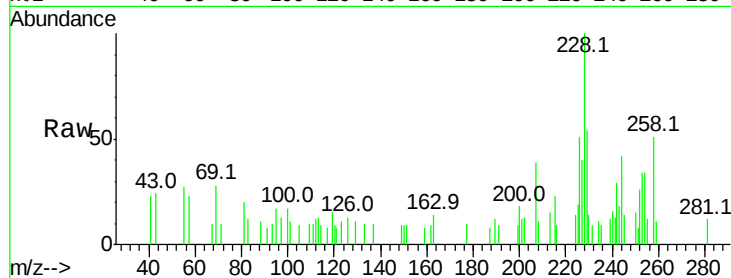
Tot Ion:252 Resp: 1181

Ion Ratio Lower Upper

252 100

254 128.4 50.4 75.6#

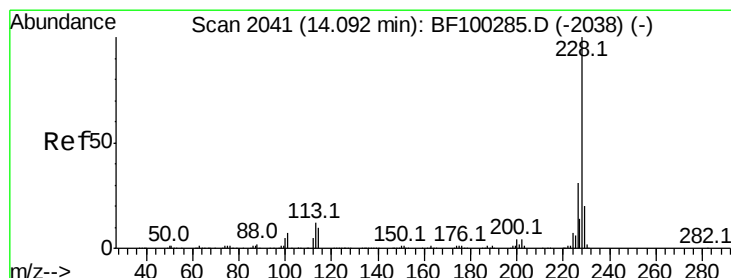
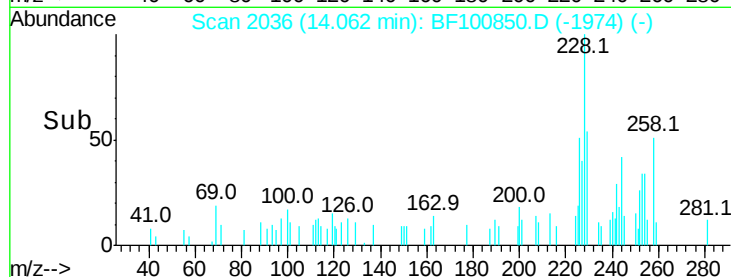
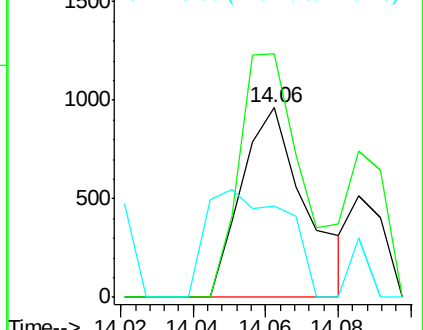
126 48.3 11.3 16.9#



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: 10.602 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

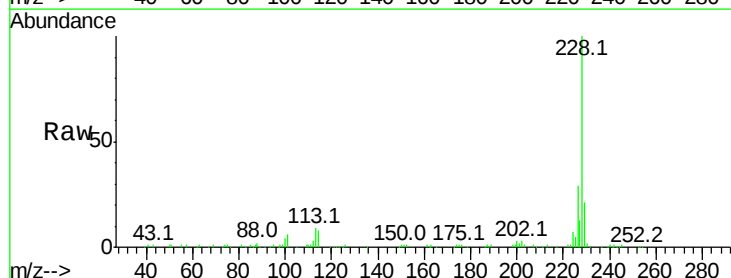
Tgt Ion:228 Resp: 92011

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

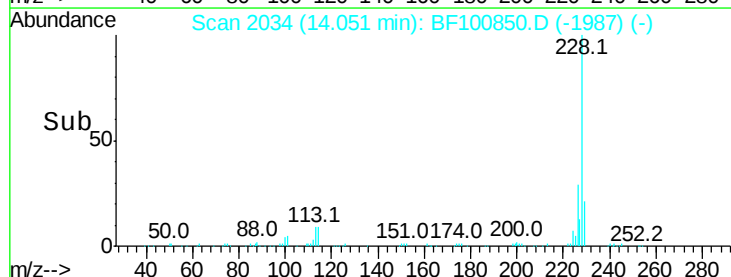
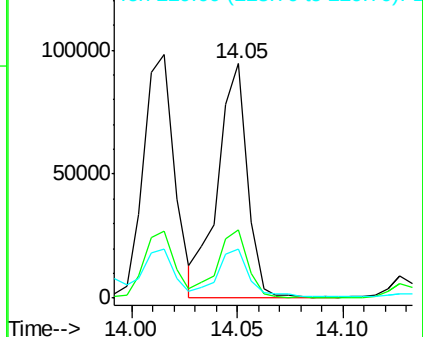
229 21.0 16.2 24.4

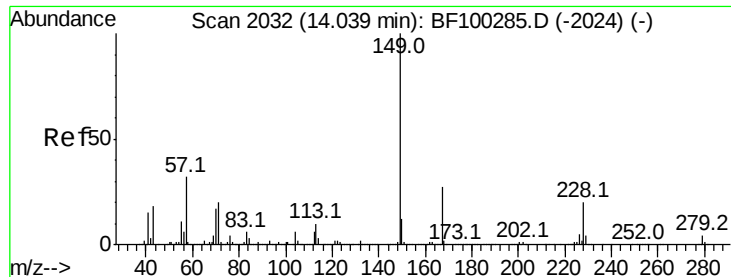


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

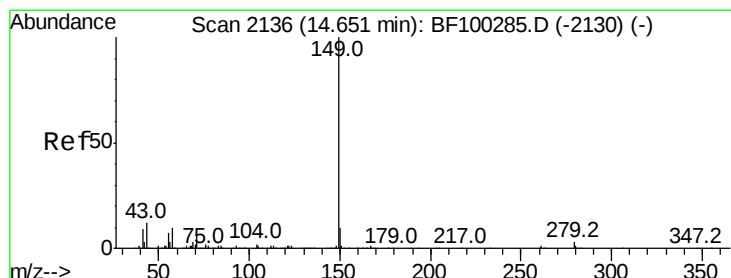
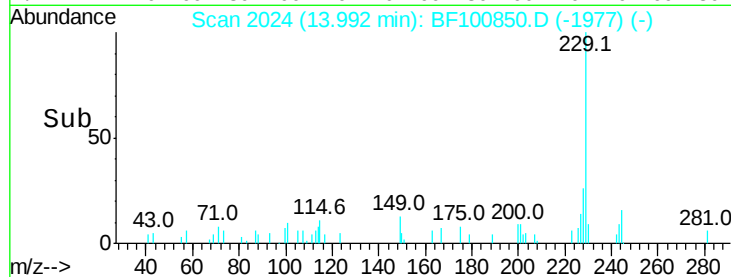
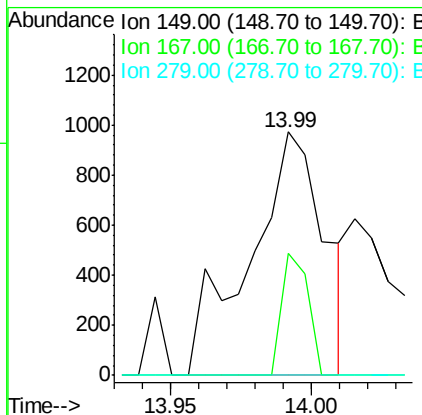
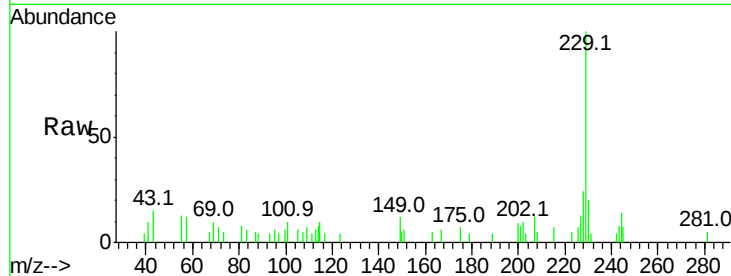




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.316 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

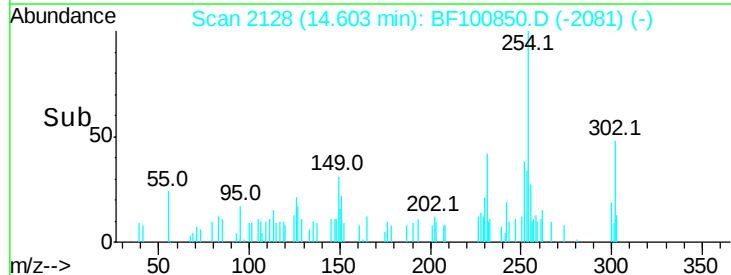
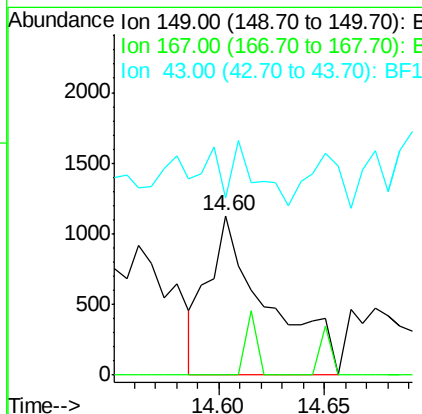
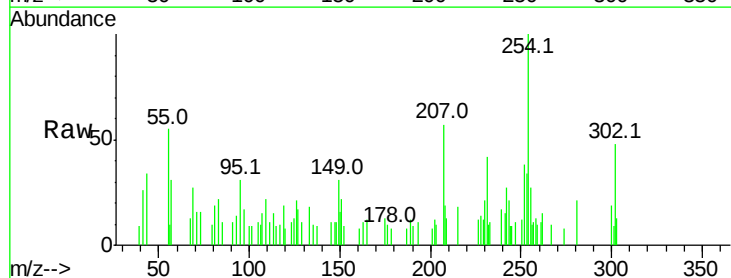
Instrument :
 BNA_F
 ClientSampleId :

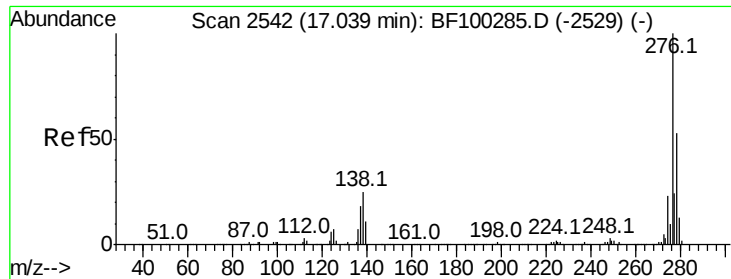
Tot Ion:149 Resp: 1797
 Ion Ratio Lower Upper
 149 100
 167 50.1 21.3 31.9#
 279 0.0 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 0.227 ng
 RT: 14.60 min Scan# 2128
 Delta R.T. -0.02 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Tgt Ion:149 Resp: 2218
 Ion Ratio Lower Upper
 149 100
 167 7.2 1.2 1.8#
 43 0.0 8.4 12.6#

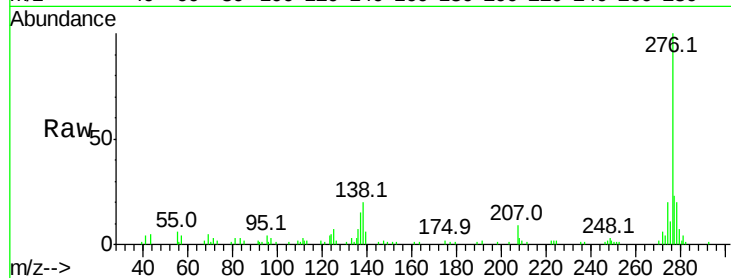




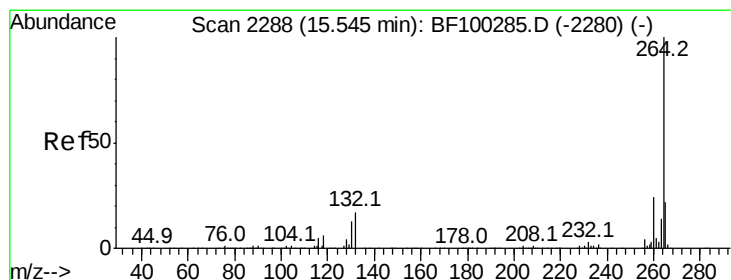
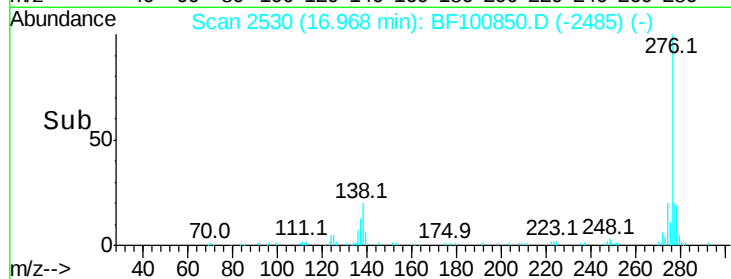
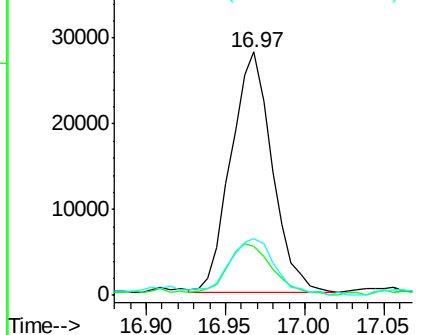
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.171 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.04 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	27.2	20.1	30.1

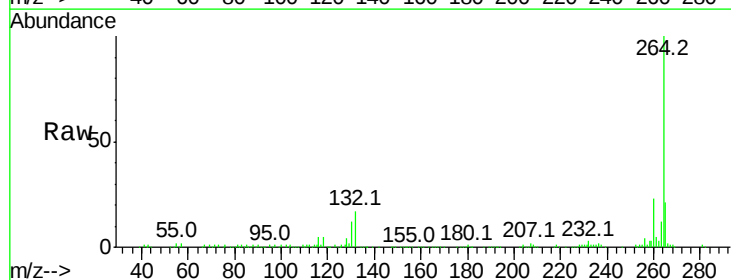


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

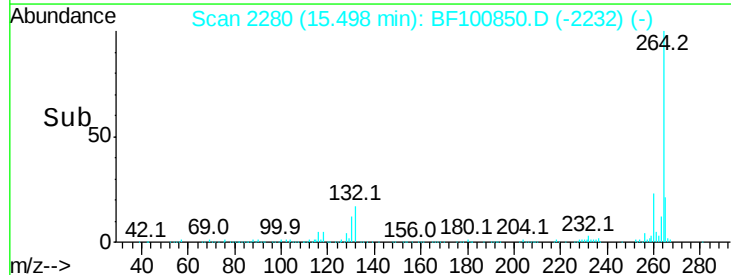
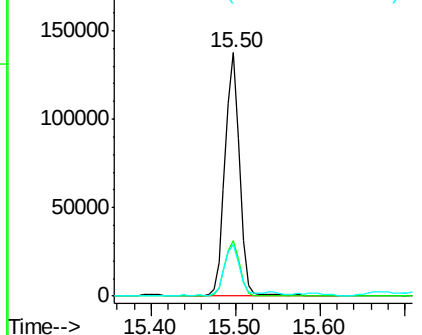


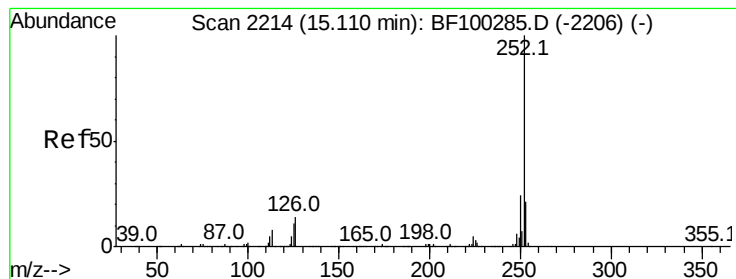
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.02 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	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: 15.207 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF100850.D

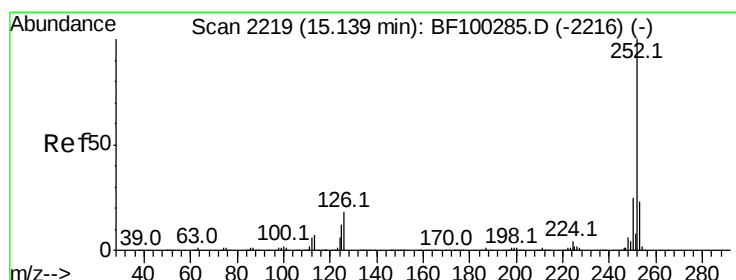
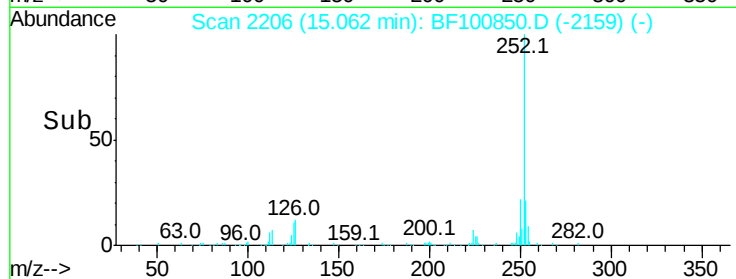
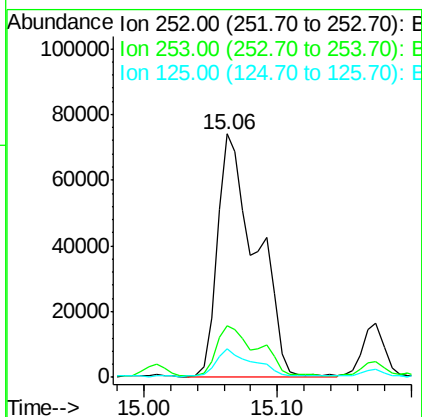
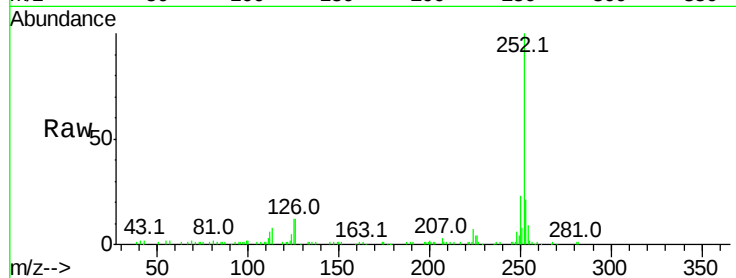
Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	149561
Ion Ratio	Lower	Upper
252	100	
253	21.4	17.0 25.6
125	11.8	9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 16.094 ng

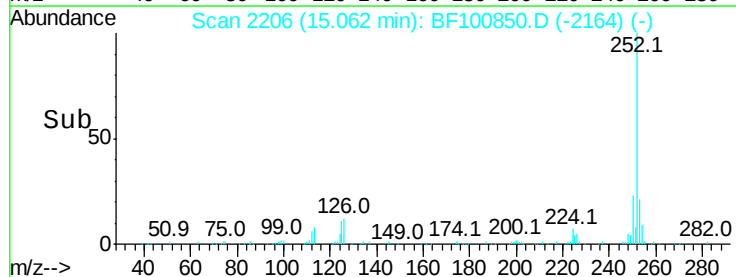
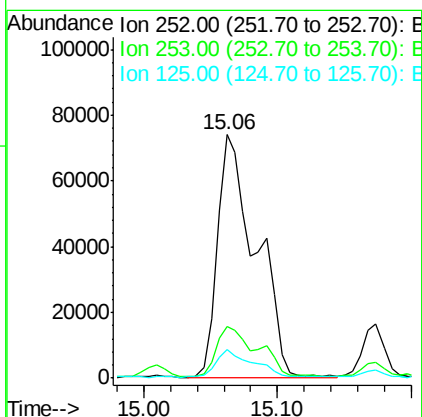
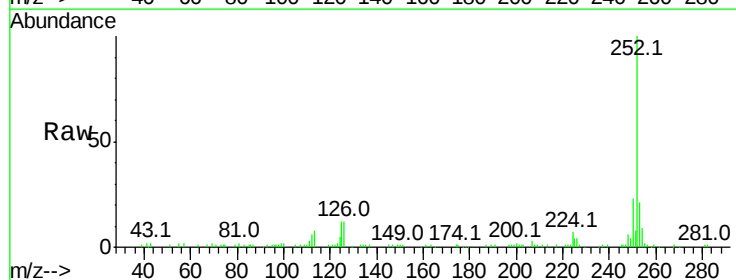
RT: 15.06 min Scan# 2206

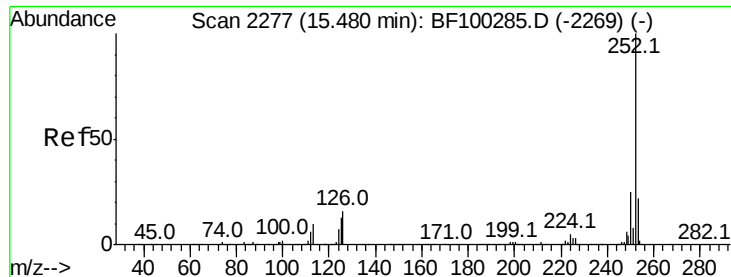
Delta R.T. -0.05 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Tgt Ion:252	Resp:	149561
Ion Ratio	Lower	Upper
252	100	
253	21.4	17.9 26.9
125	11.8	10.2 15.2

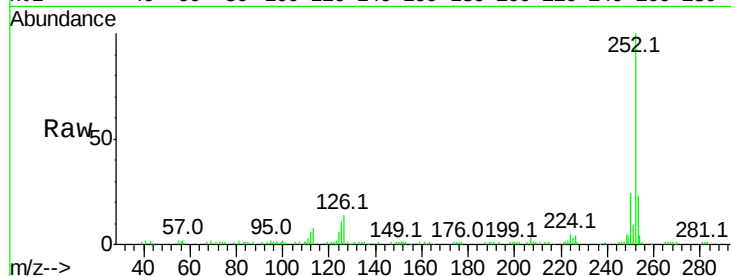




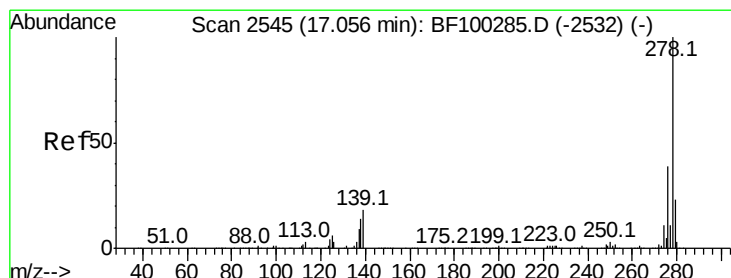
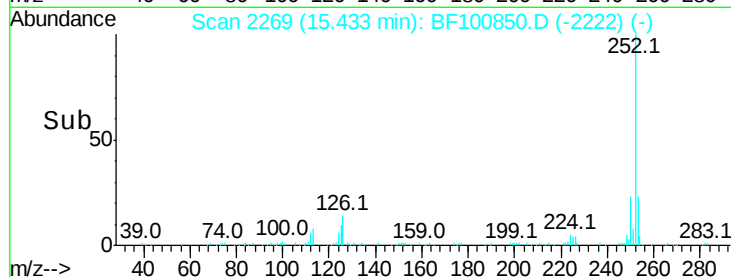
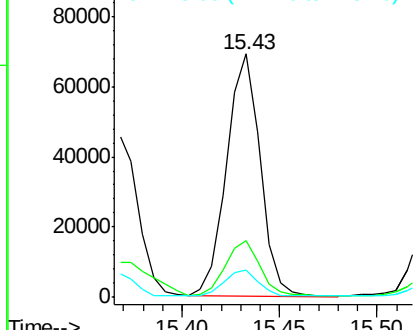
#89
Benzo(a)pyrene
Concen: 9.490 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 82746
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 11.1 9.8 14.6

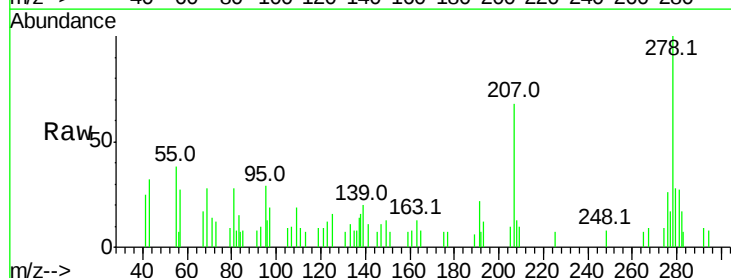


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

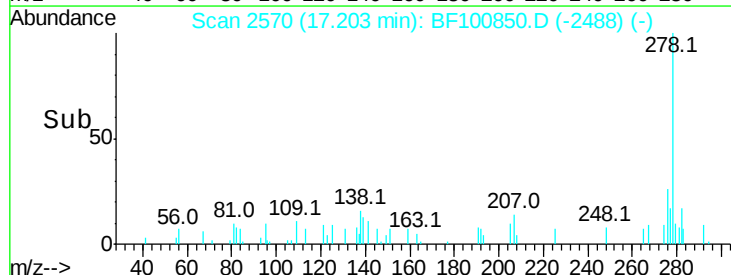
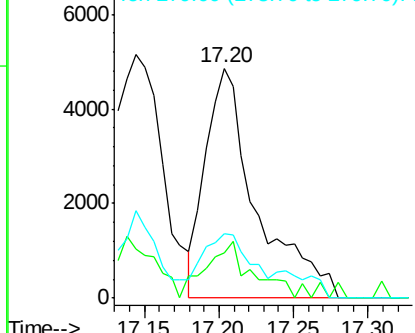


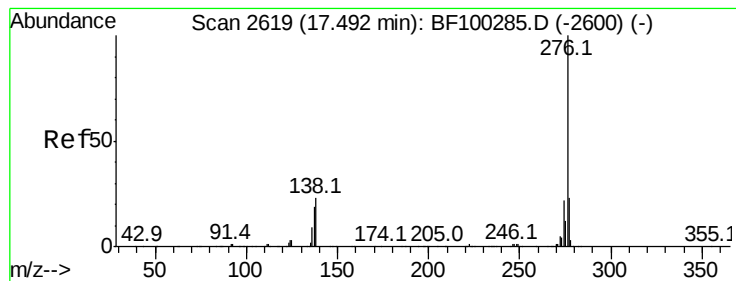
#90
Dibenzo(a,h)anthracene
Concen: 1.611 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.18 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:278 Resp: 11487
Ion Ratio Lower Upper
278 100
139 19.7 15.9 23.9
279 28.0 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: 6.783 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.04 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

ClientSampleId :

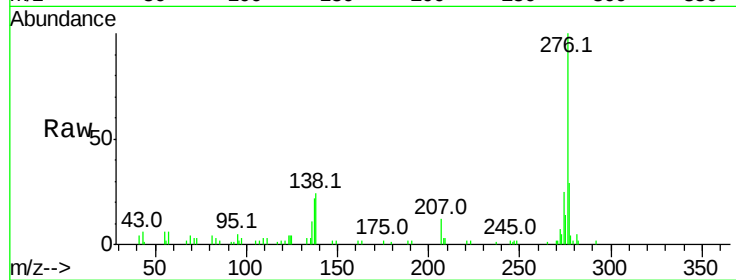
Tot Ion: 276 Resp: 47348

Ion Ratio Lower Upper

276 100

277 29.0 17.9 26.9#

138 23.7 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

