

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100999.D
 Acq On : 30 Nov 2017 2:08
 Operator : SJ/JU
 Sample : I6578-05DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 04:07:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51989	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	188736	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	73126	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	129435	20.00	ng	0.00
75) Chrysene-d12	14.03	240	117962	20.00	ng	0.00
86) Perylene-d12	15.50	264	91944	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	68033	20.98	ng	-0.01
7) Phenol-d6	6.47	99	81140	20.29	ng	-0.02
23) Nitrobenzene-d5	7.41	82	44098	15.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	15910	21.35	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	99383	20.69	ng	0.00
78) Terphenyl-d14	12.96	244	89031	17.34	ng	0.00

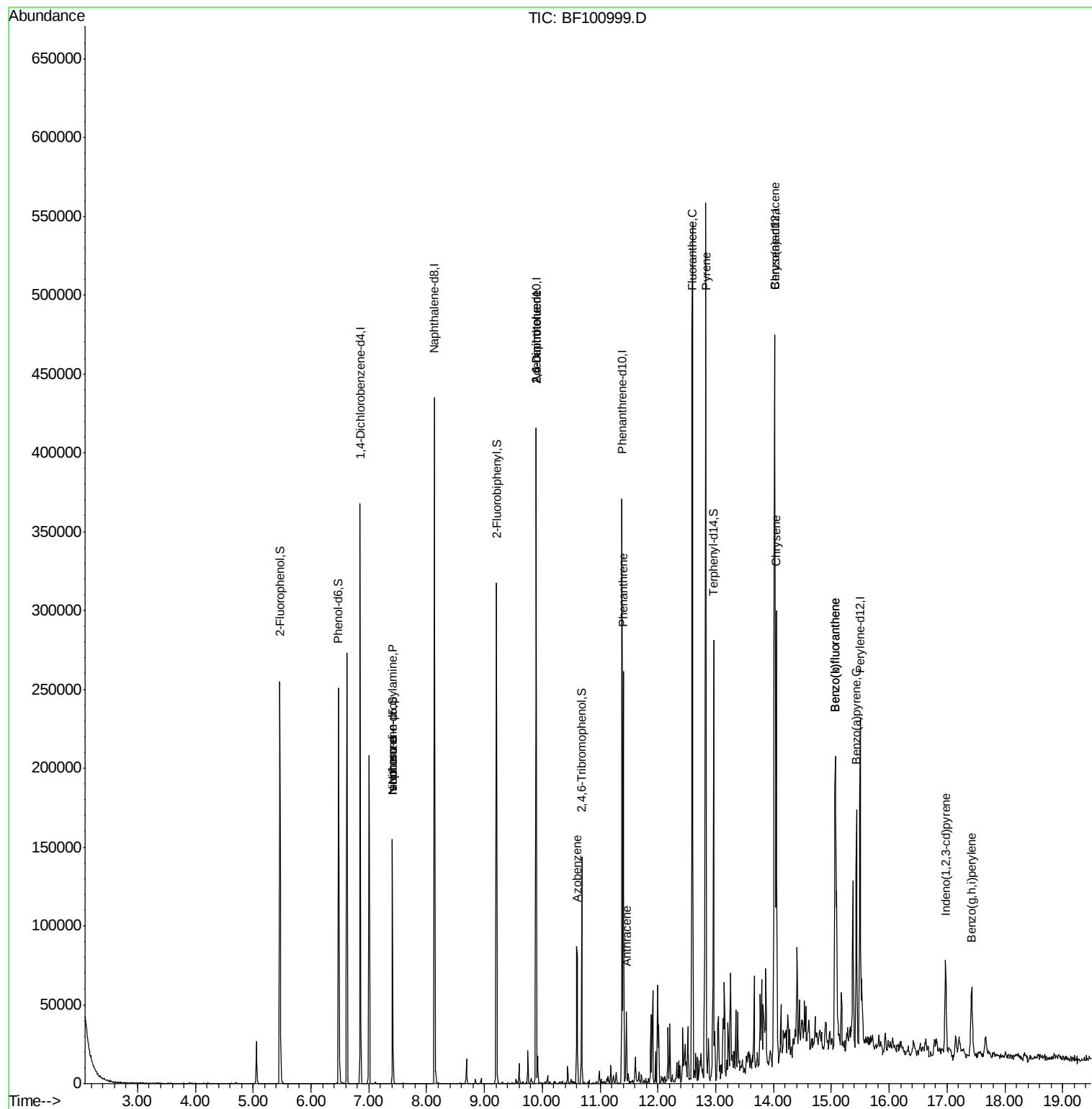
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	5792	2.088	ng	# 86
25) Isophorone	7.41	82	44097	7.351	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	9437	8.539	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	9437	6.769	ng	# 21
62) Azobenzene	10.60	77	13927	2.647	ng	# 1
70) Phenanthrene	11.40	178	89369	13.114	ng	98
71) Anthracene	11.46	178	18878	2.730	ng	97
74) Fluoranthene	12.60	202	216804	30.018	ng	93
77) Pyrene	12.83	202	219653	26.122	ng	98
80) Benzo(a)anthracene	14.02	228	109126	15.362	ng	98
82) Chrysene	14.05	228	105114	15.281	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	40600	7.297	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	132959	24.409	ng	99
88) Benzo(k)fluoranthene	15.07	252	132959	25.833	ng	97
89) Benzo(a)pyrene	15.43	252	73500	15.220	ng	95
91) Benzo(g,h,i)perylene	17.43	276	37899	9.803	ng	# 91

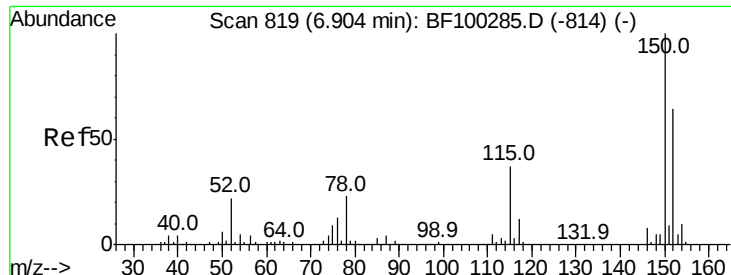
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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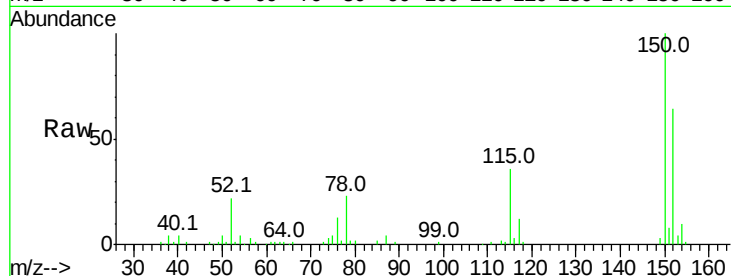


#1

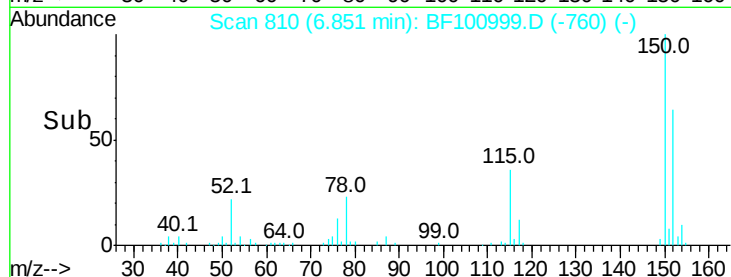
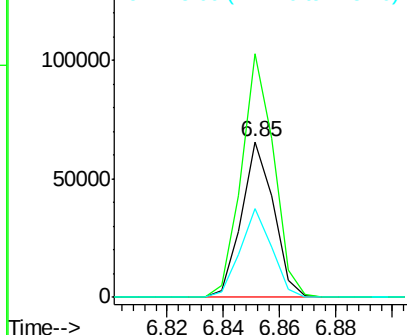
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 51989
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 56.8 50.1 75.1



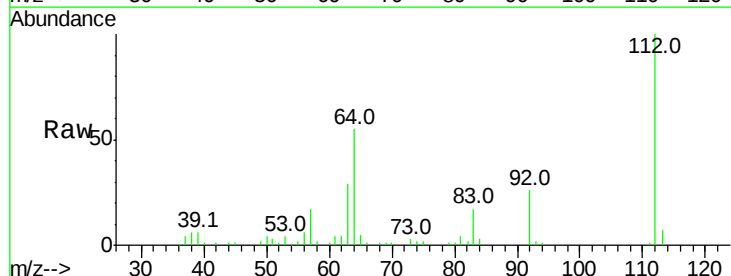
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



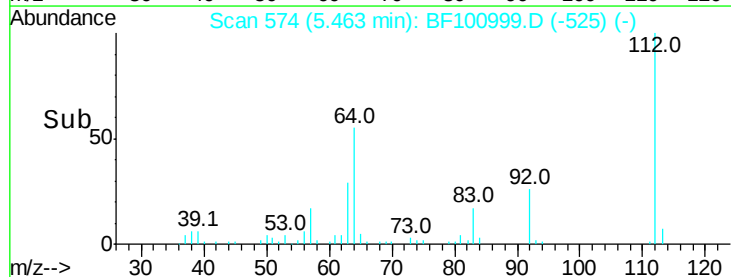
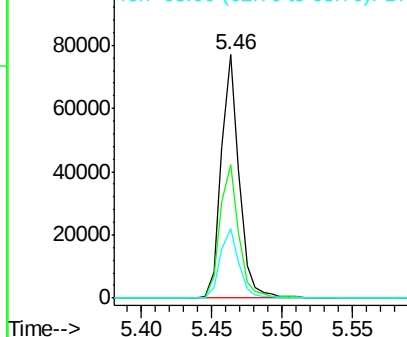
#5

2-Fluorophenol
Concen: 20.977 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion:112 Resp: 68033
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.7 23.7 35.5



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





#7

Phenol-d6

Concen: 20.288 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Instrument :

BNA_F

ClientSampled :

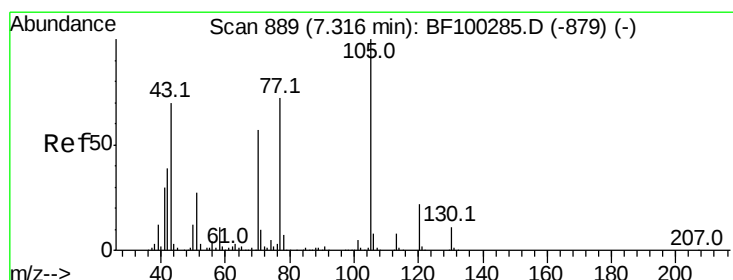
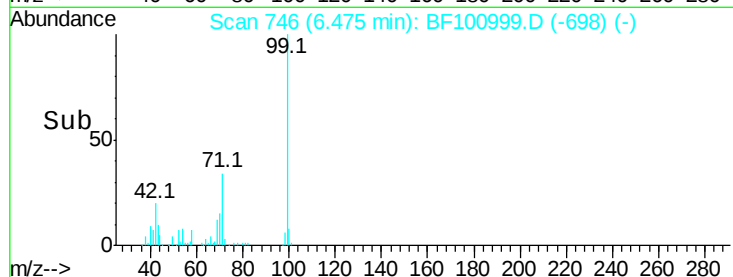
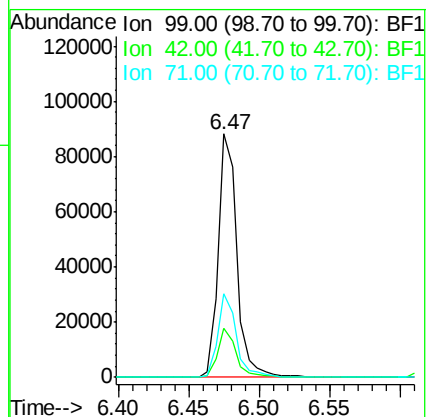
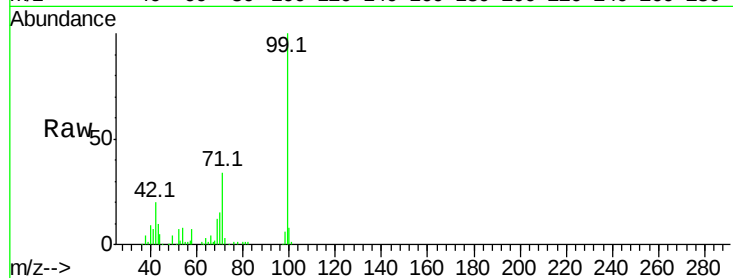
Tot Ion: 99 Resp: 81140

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 34.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.088 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Tgt Ion: 70 Resp: 5792

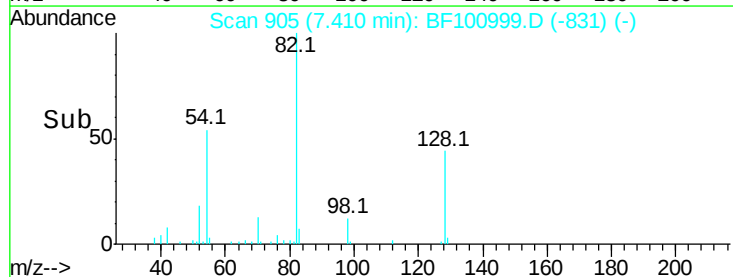
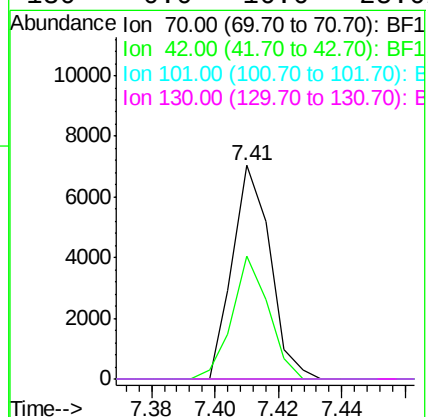
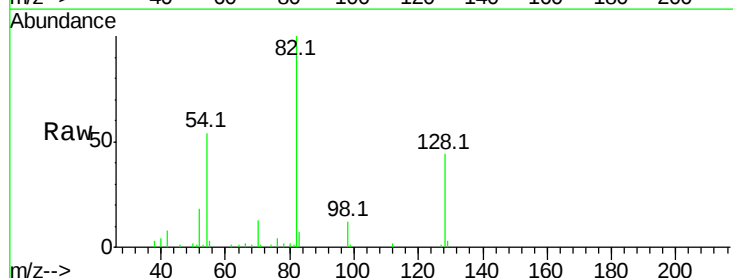
Ion Ratio Lower Upper

70 100

42 57.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

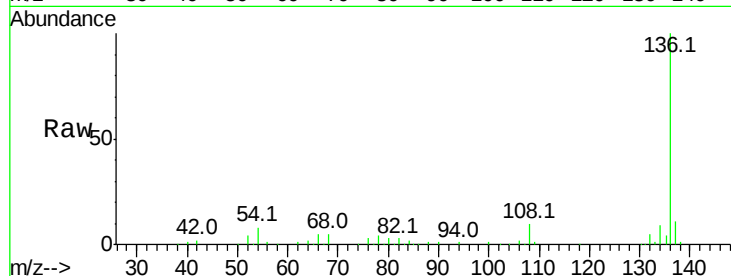




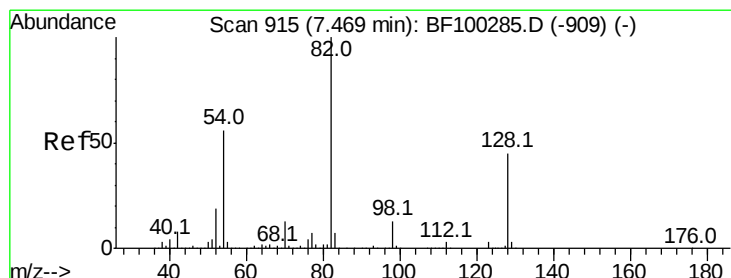
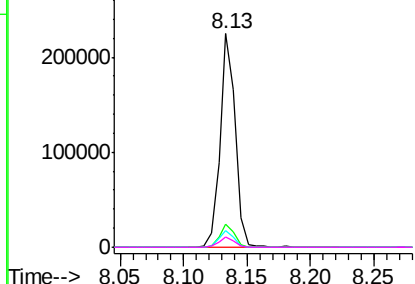
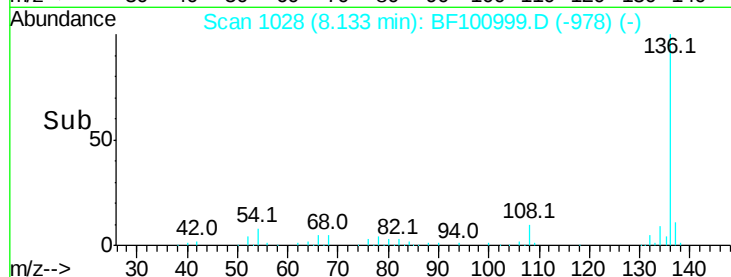
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	188736
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	6.6	9.8
68	5.0	5.0	7.4

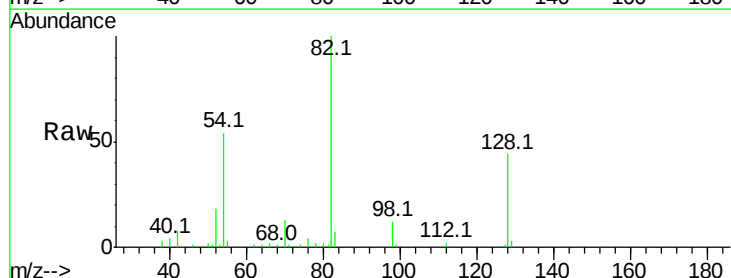


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

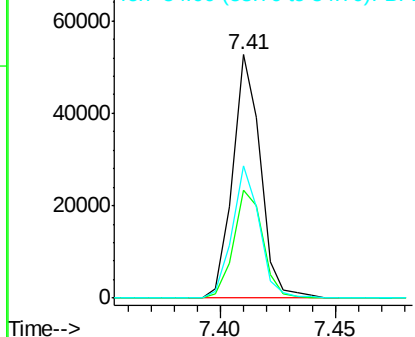
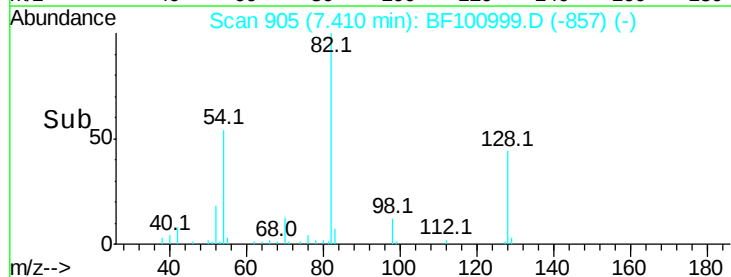


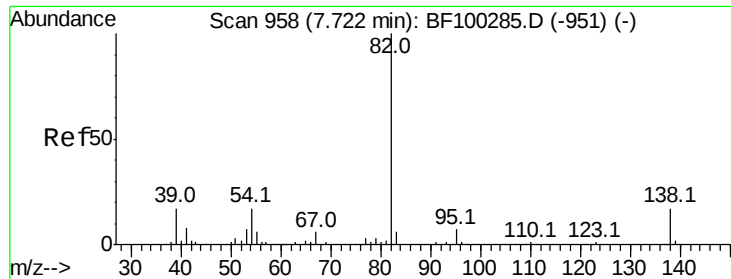
#23
Nitrobenzene-d5
Concen: 15.447 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion:	82	Resp:	44098
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	54.2	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: 7.351 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Instrument :

BNA_F

ClientSampleId :

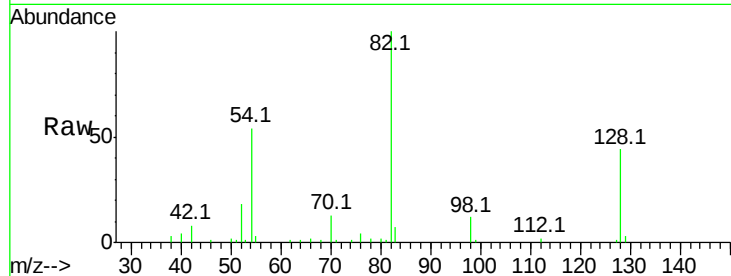
Tot Ion: 82 Resp: 44097

Ion Ratio Lower Upper

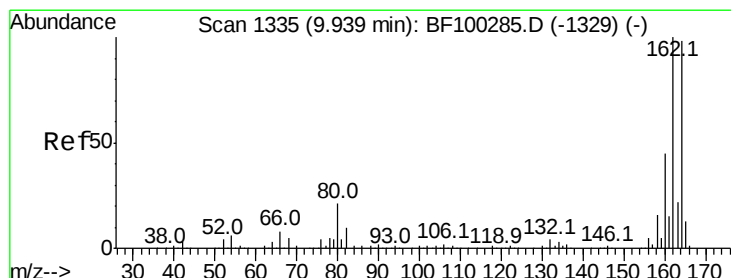
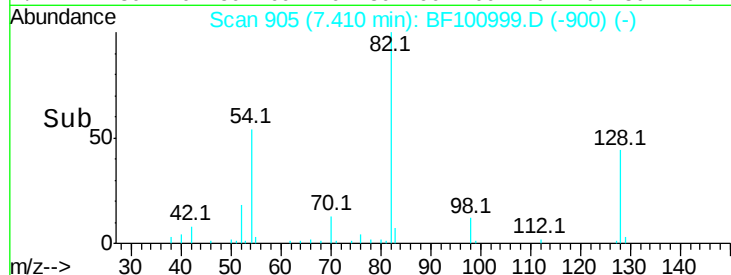
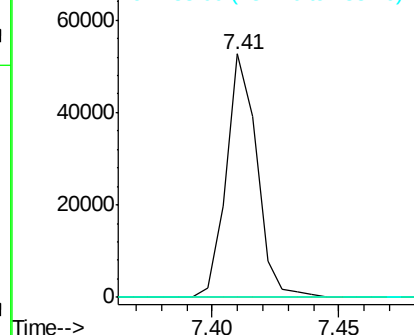
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

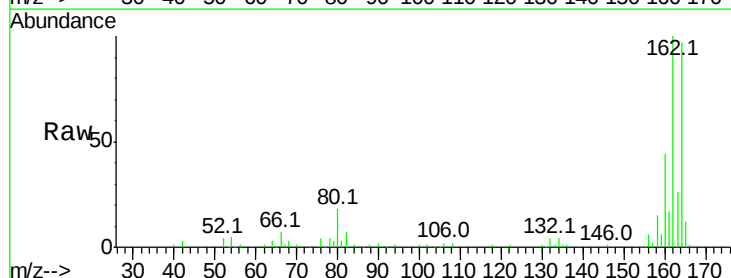
Tgt Ion:164 Resp: 73126

Ion Ratio Lower Upper

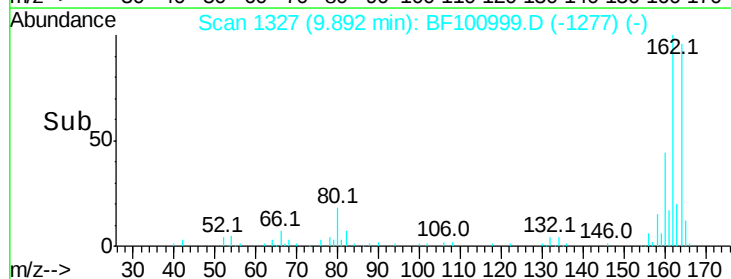
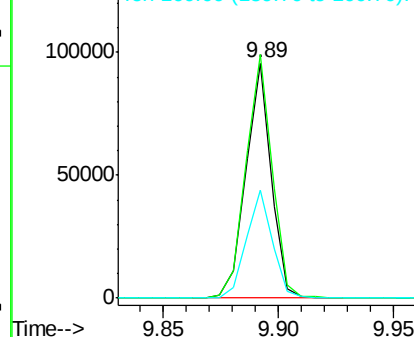
164 100

162 103.6 86.1 129.1

160 45.9 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

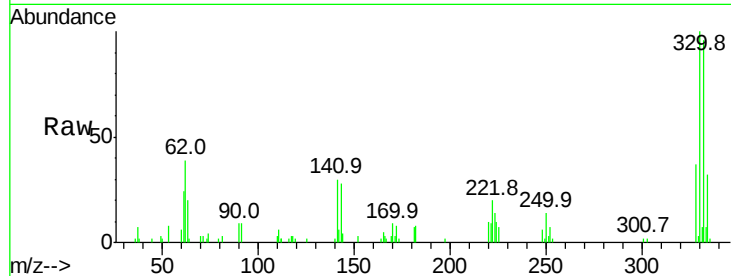




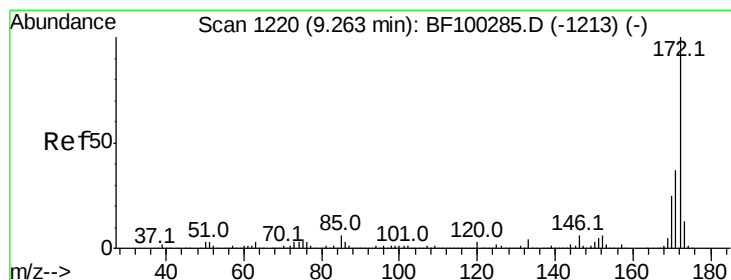
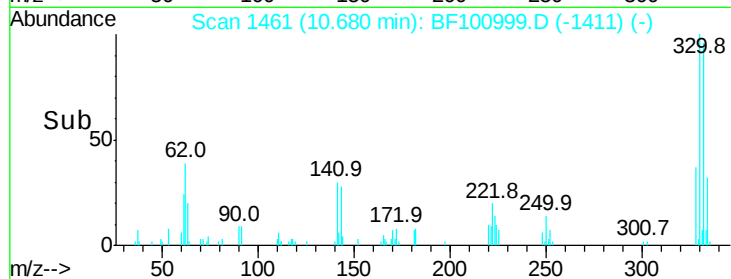
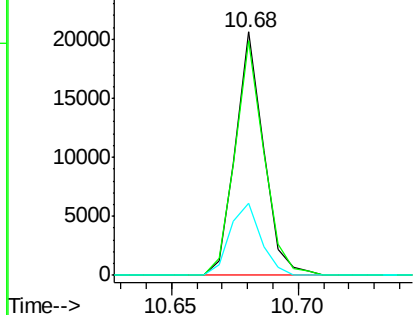
#41
 2,4,6-Tribromophenol
 Concen: 21.351 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.6
141	32.9	29.9	44.9

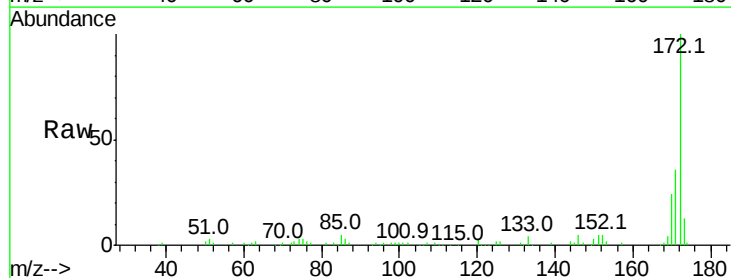


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

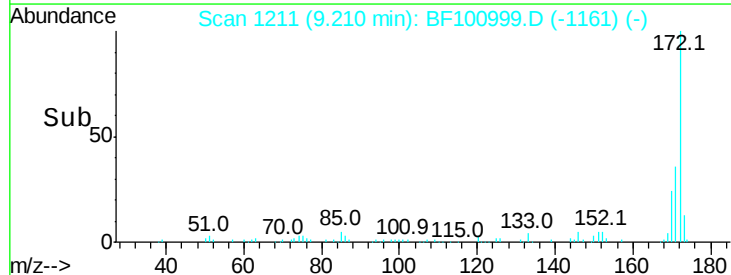
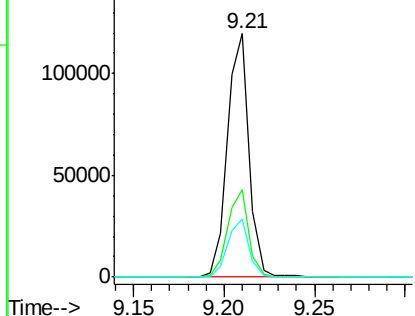


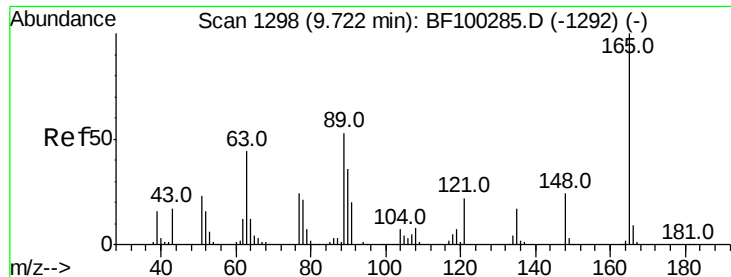
#44
 2-Fluorobiphenyl
 Concen: 20.695 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.6	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





#50

2,6-Dinitrotoluene

Concen: 8.539 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF100999.D

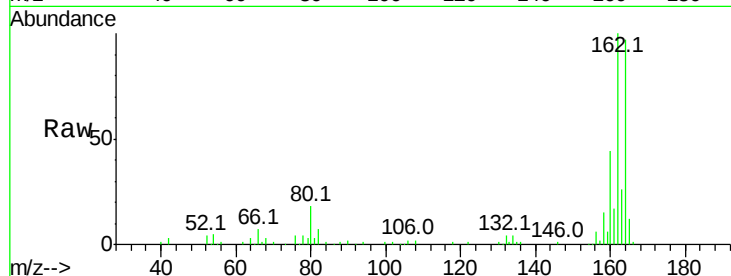
Acq: 30 Nov 2017 2:08

Instrument :

BNA_F

ClientSampleId :

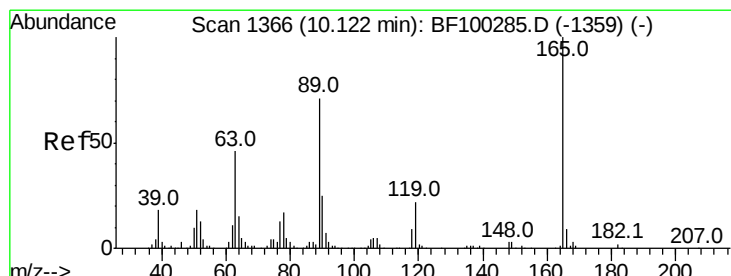
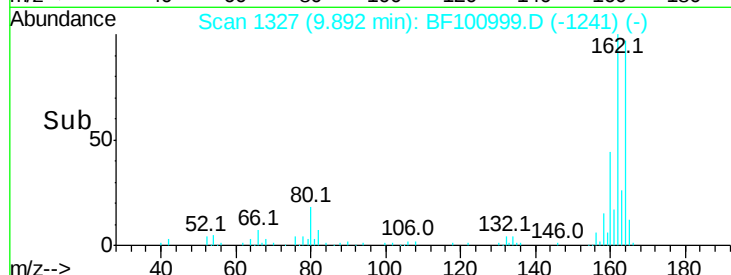
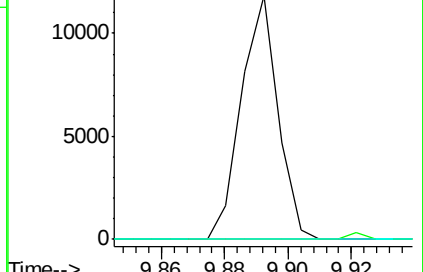
Tot Ion:	165	Resp:	9437
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.769 ng

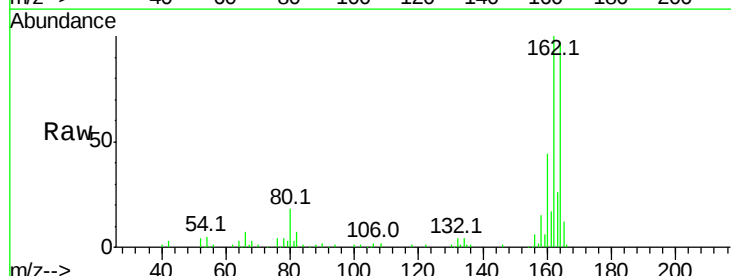
RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Tgt Ion:	165	Resp:	9437
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#

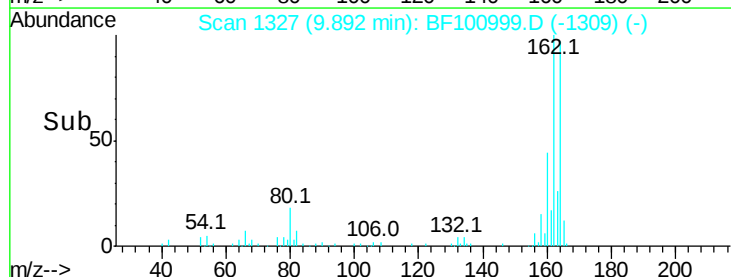
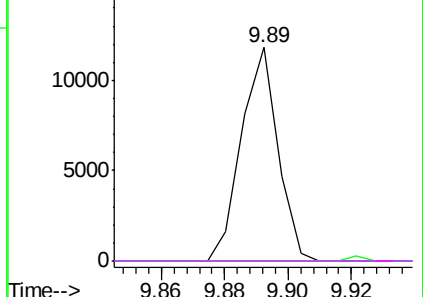


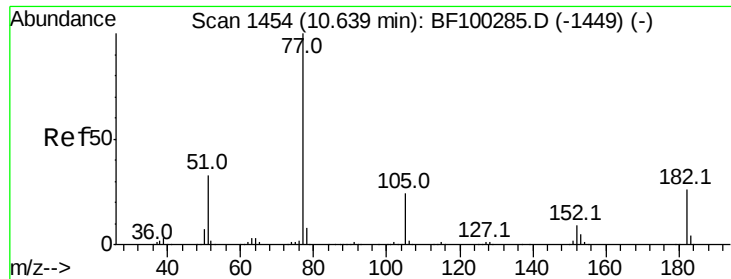
Abundance Ion 165.00 (164.70 to 165.70): E

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

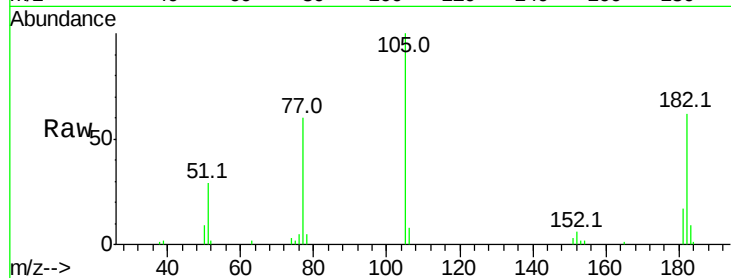




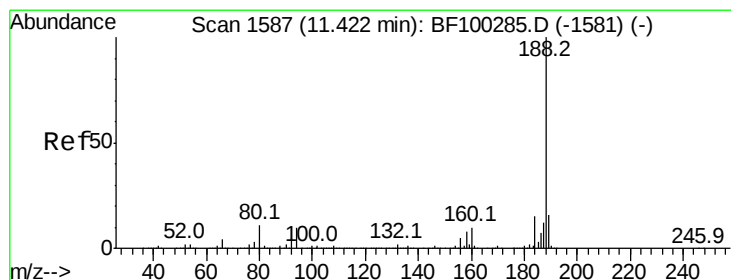
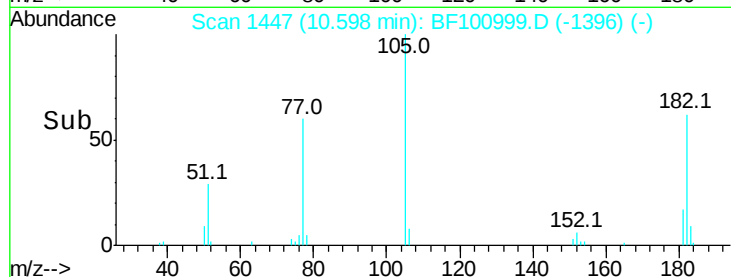
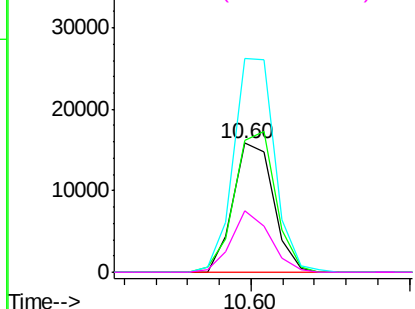
#62
Azobenzene
Concen: 2.647 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 13927
Ion Ratio Lower Upper
77 100
182 102.5 1.7 41.7#
105 165.9 3.0 43.0#
51 47.7 9.9 49.9

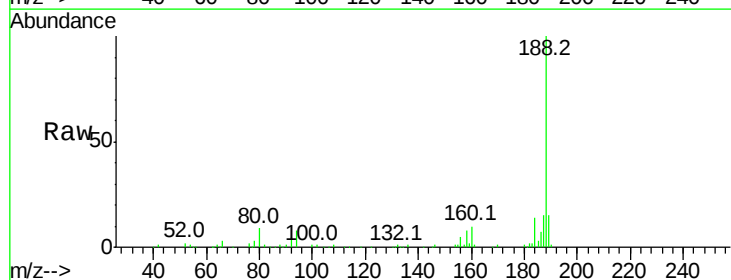


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

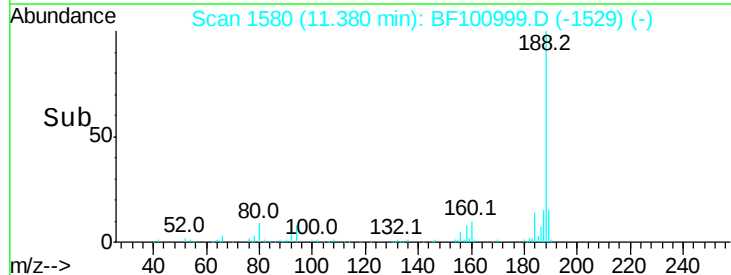
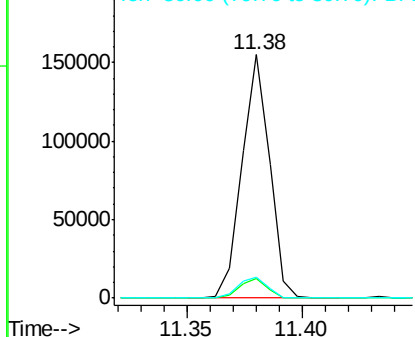


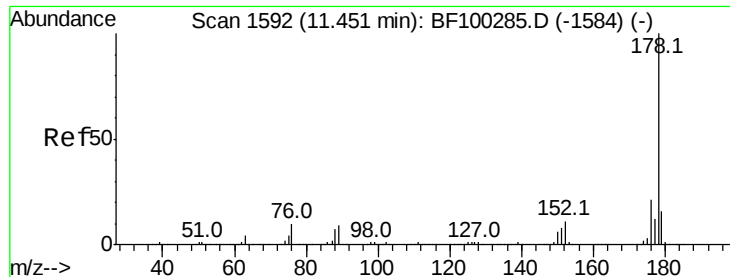
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion: 188 Resp: 129435
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.6 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

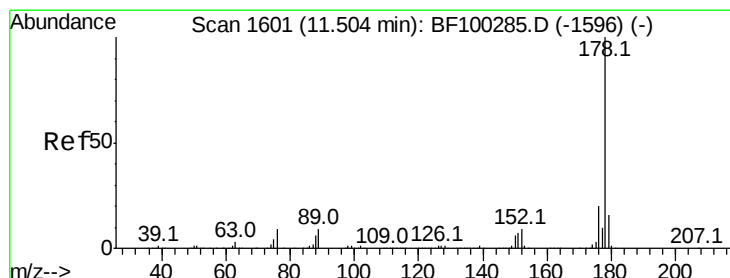
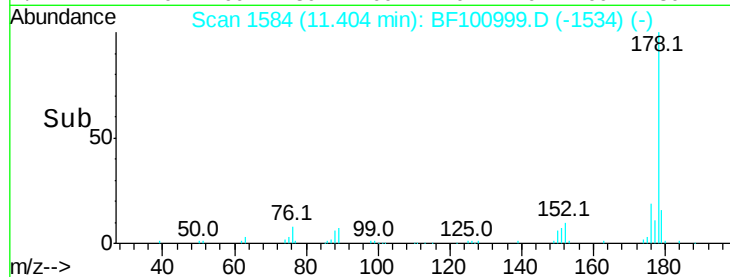
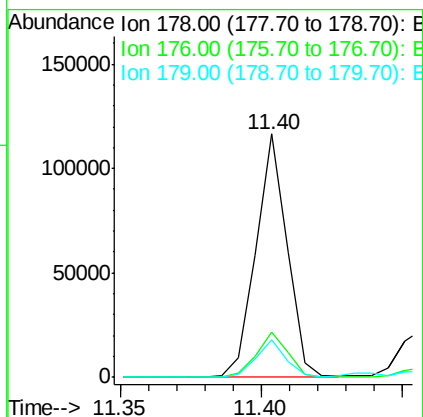
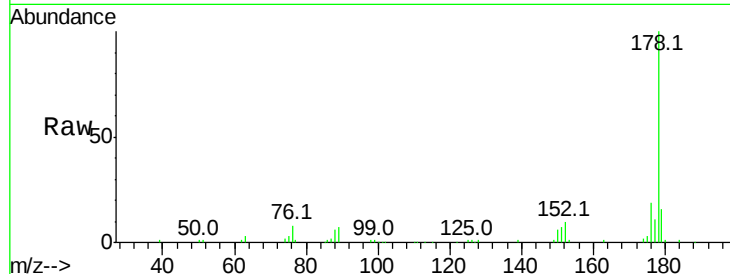




#70
Phenanthrene
Concen: 13.114 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

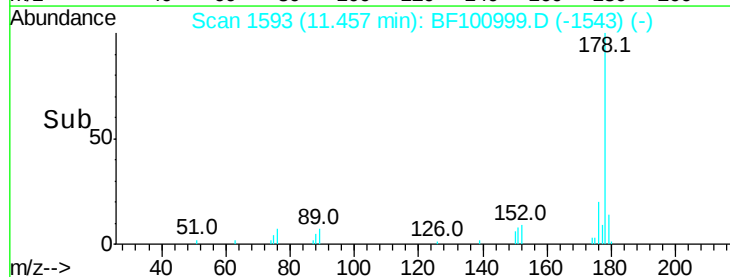
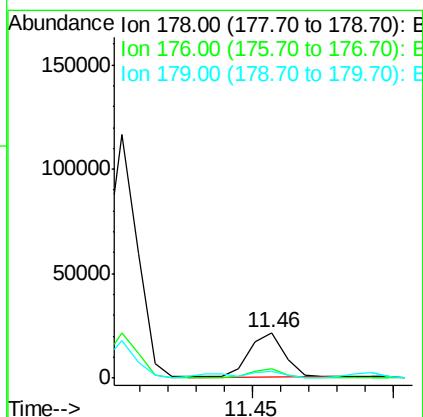
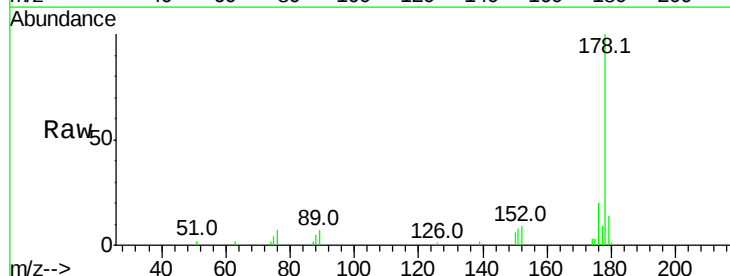
Instrument :
BNA_F
ClientSampleId :

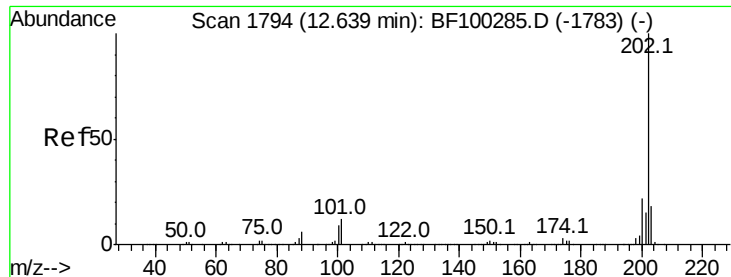
Tot Ion:178 Resp: 89369
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 2.730 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion:178 Resp: 18878
Ion Ratio Lower Upper
178 100
176 20.5 15.4 23.2
179 14.1 12.6 19.0

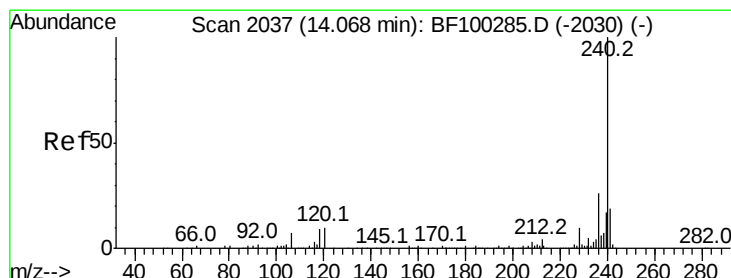
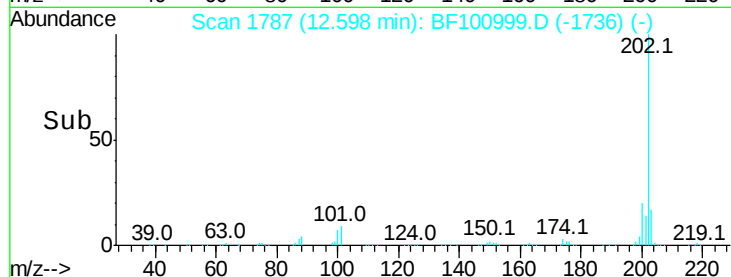
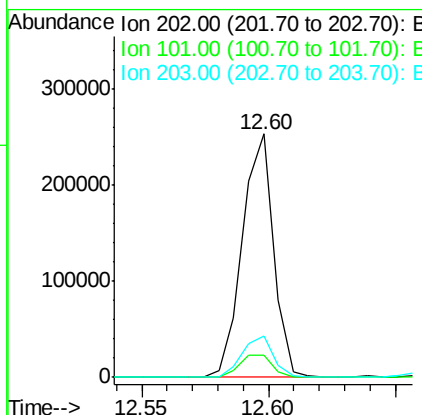
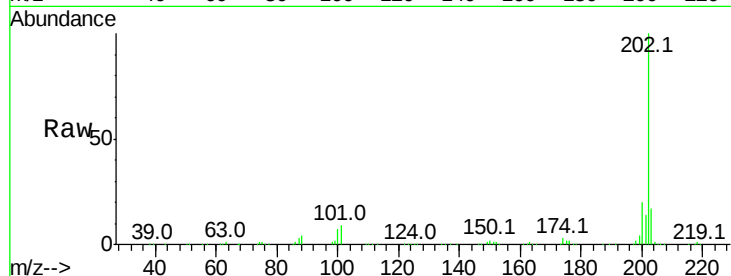




#74
Fluoranthene
Concen: 30.018 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

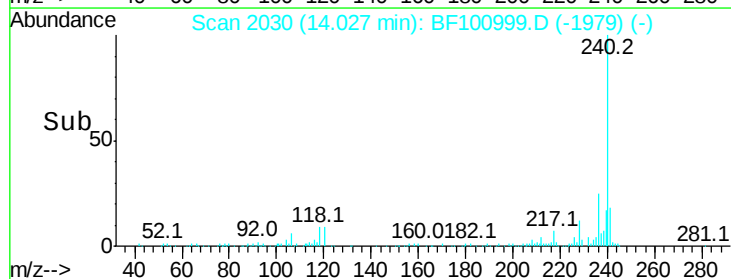
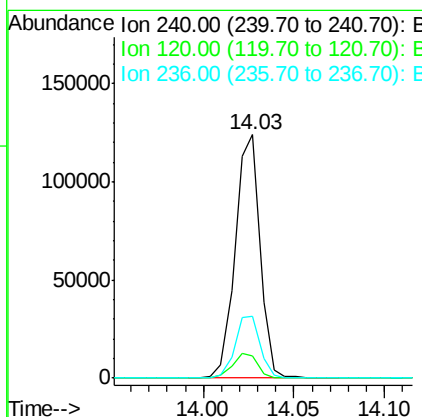
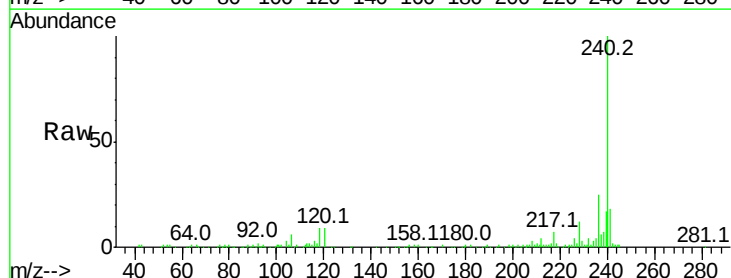
Instrument :
BNA_F
ClientSampleId :

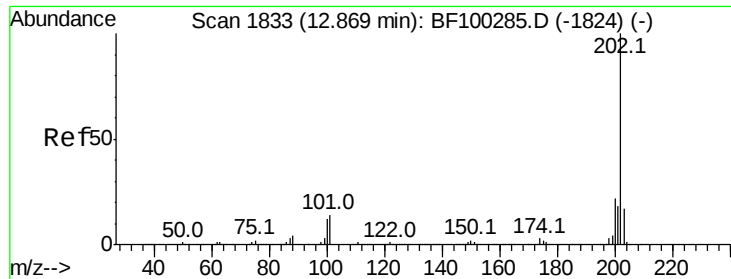
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	16.8	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	25.4	20.7	31.1

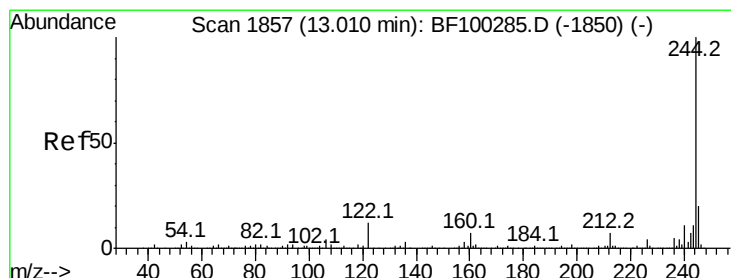
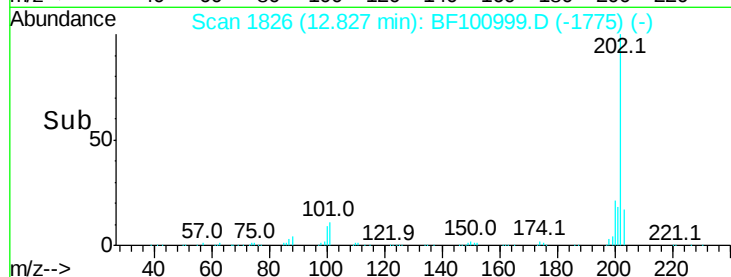
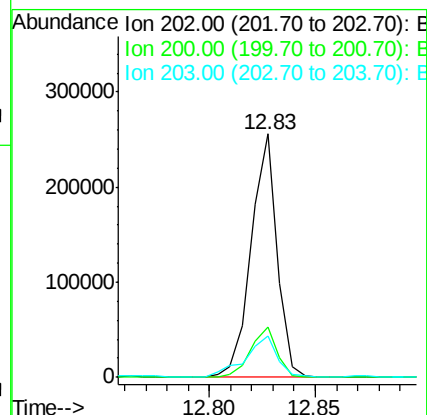
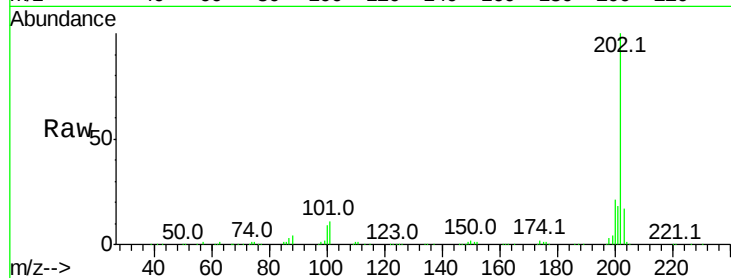




#77
Pvrene
Concen: 26.122 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

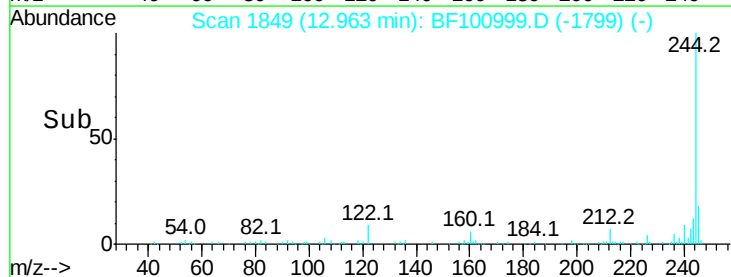
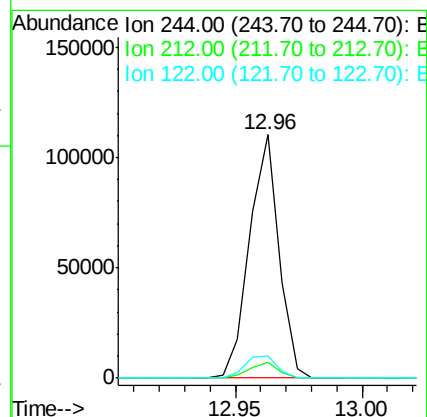
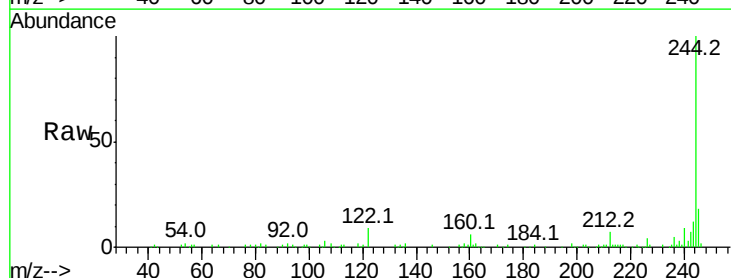
Instrument :
BNA_F
ClientSampleId :

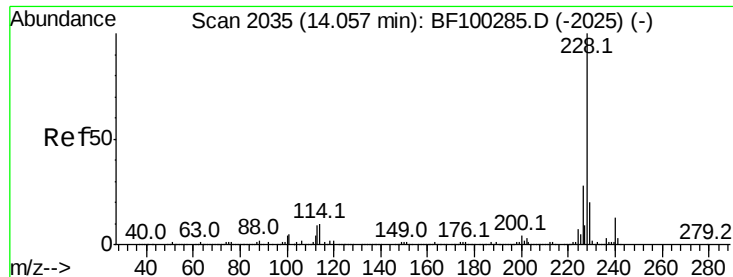
Tot Ion:202 Resp: 219653
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.0 14.3 21.5



#78
Terphenyl-d14
Concen: 17.342 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion:244 Resp: 89031
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 9.2 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 15.362 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF100999.D

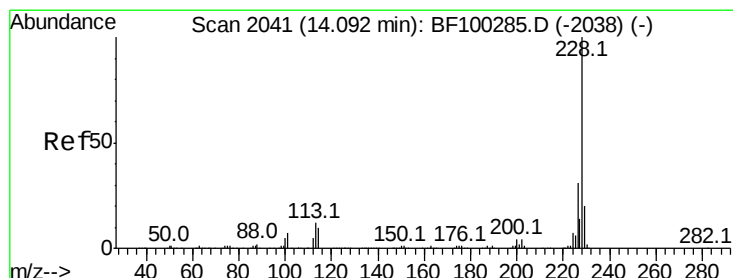
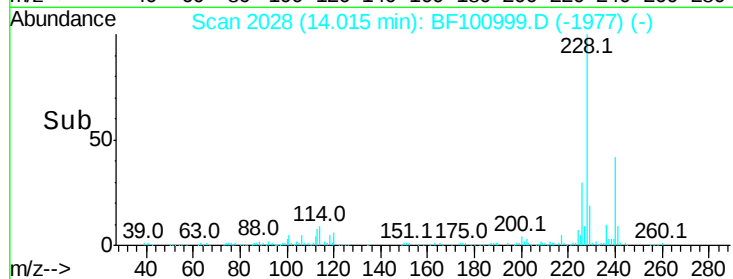
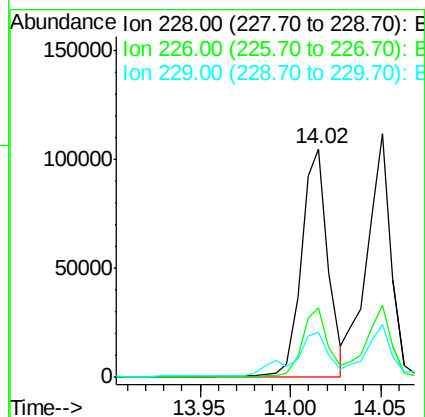
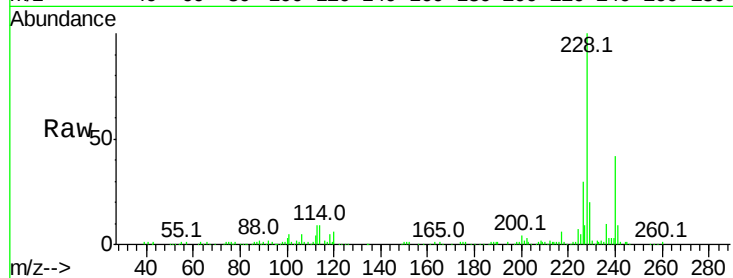
Acq: 30 Nov 2017 2:08

Instrument :

BNA_F

ClientSampled :

Tot Ion:	228	Resp:	109126
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	19.7	15.8	23.6



#82

Chrysene

Concen: 15.281 ng

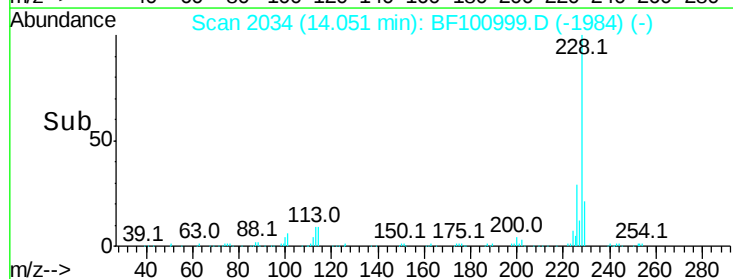
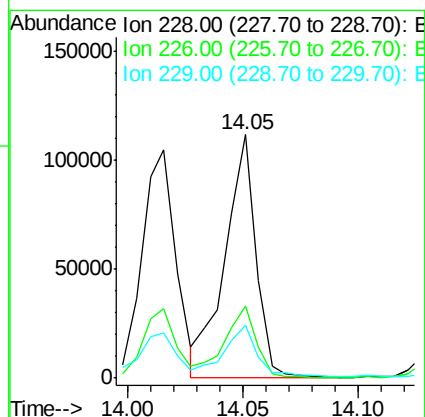
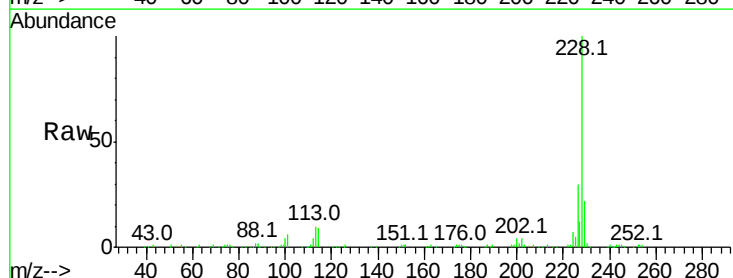
RT: 14.05 min Scan# 2034

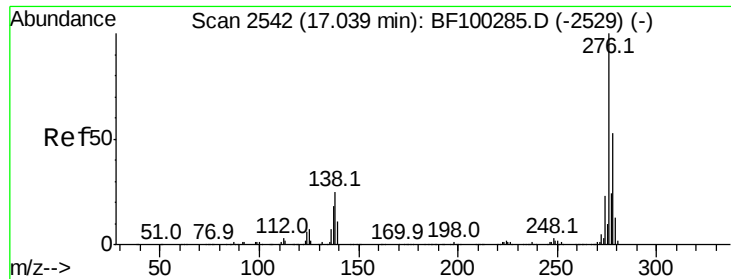
Delta R.T. -0.01 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Tgt Ion:	228	Resp:	105114
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.6	16.2	24.4

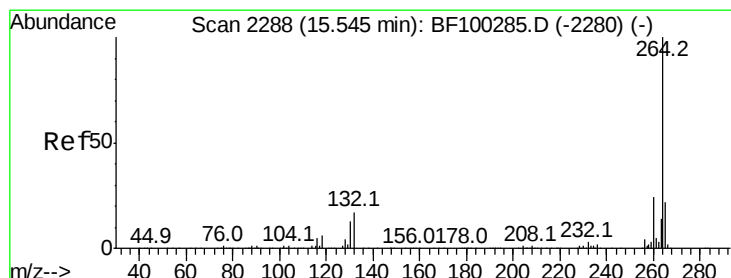
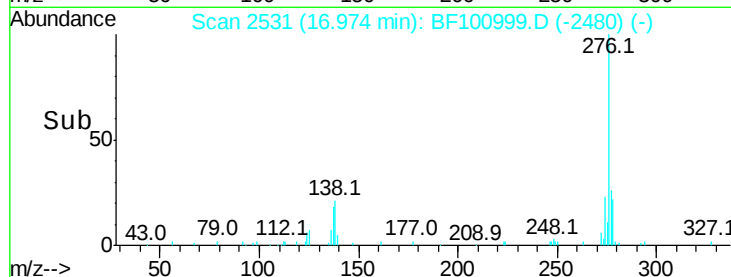
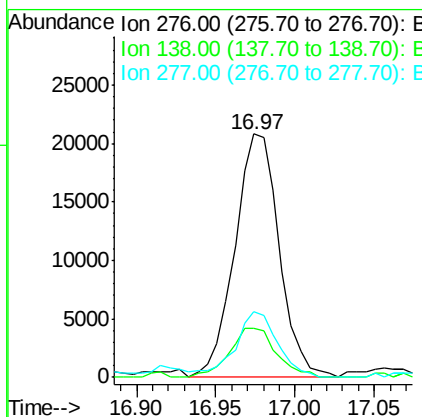
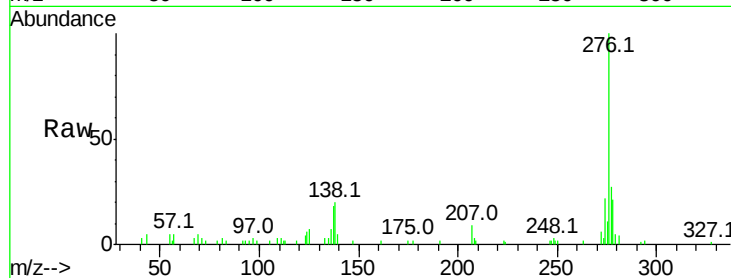




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.297 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

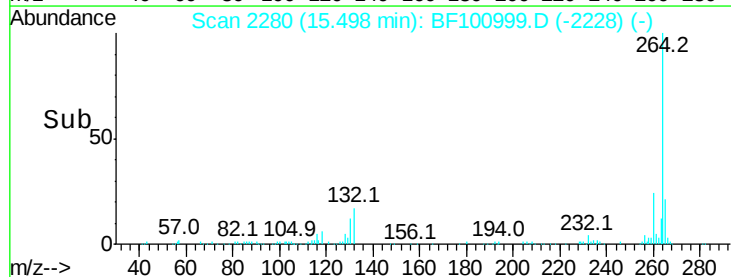
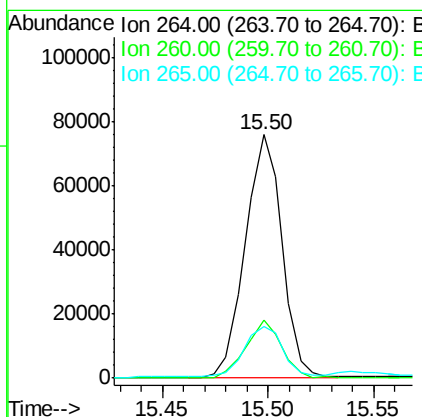
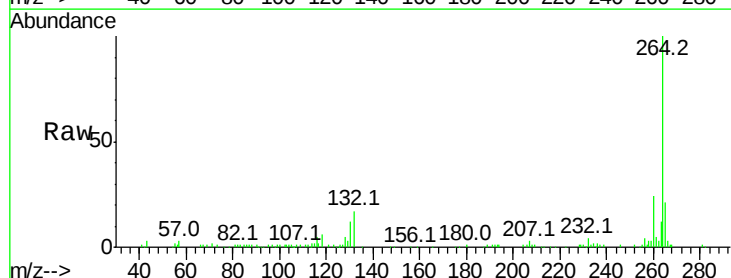
Instrument :
 BNA_F
 ClientSampled :

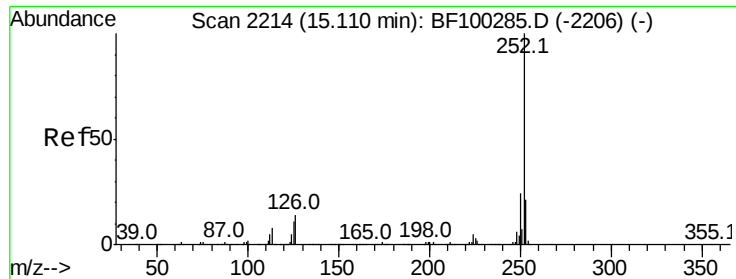
Tot Ion:276 Resp: 40600
 Ion Ratio Lower Upper
 276 100
 138 21.3 25.0 37.6#
 277 25.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Tgt Ion:264 Resp: 91944
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 24.409 ng

RT: 15.07 min Scan# 2207

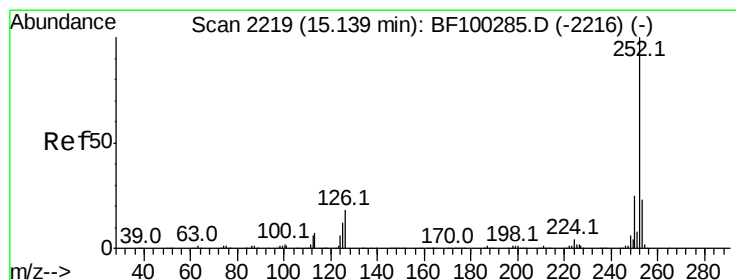
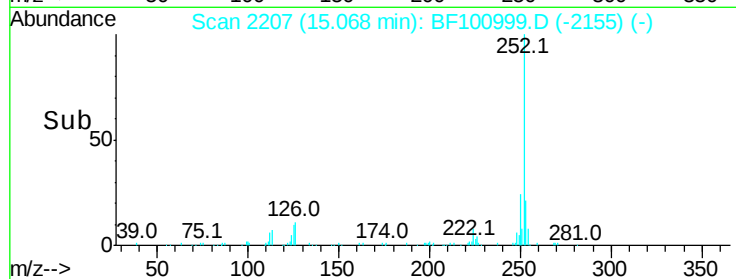
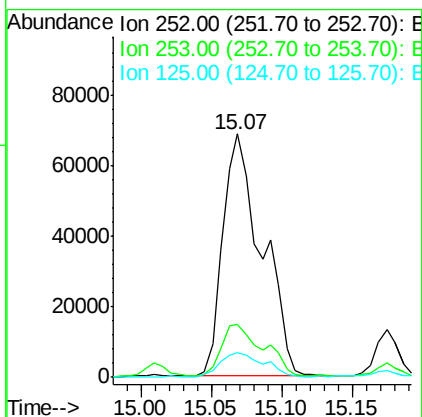
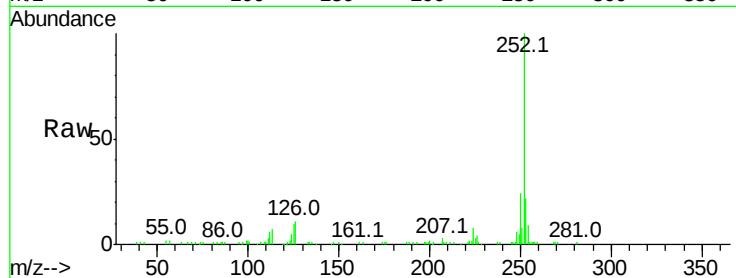
Delta R.T. 0.01 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	10.3	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 25.833 ng

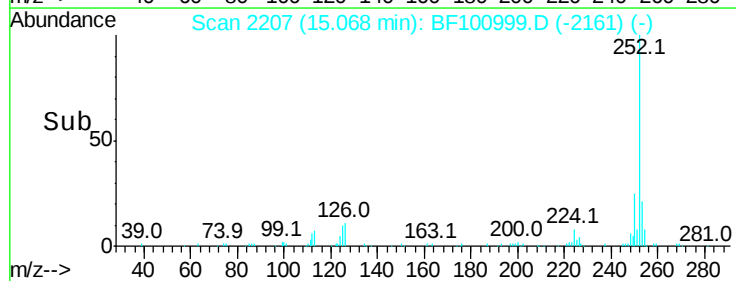
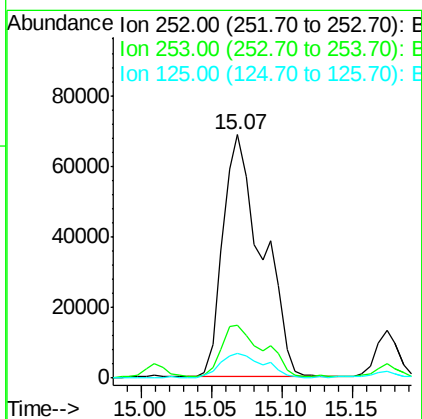
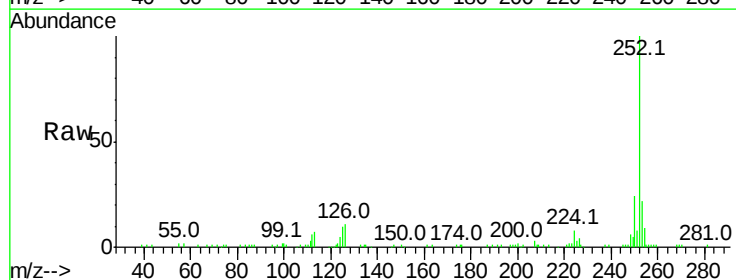
RT: 15.07 min Scan# 2207

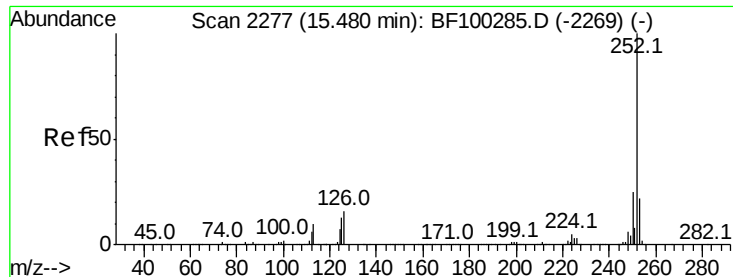
Delta R.T. -0.03 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	10.3	10.2	15.2

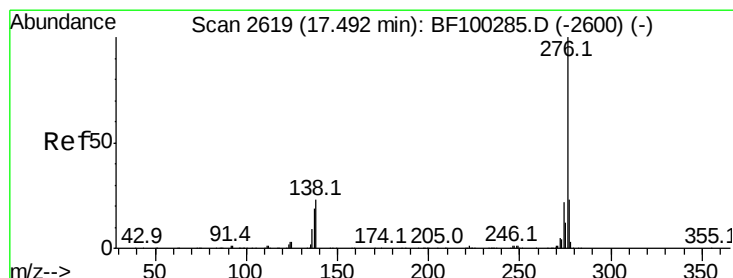
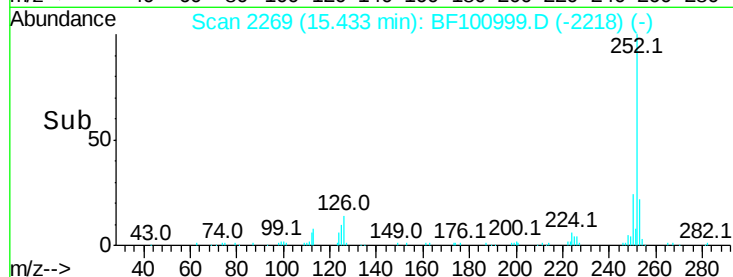
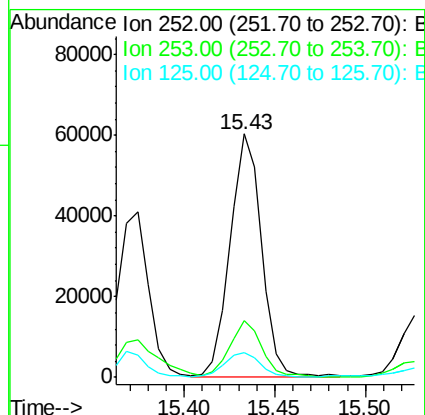
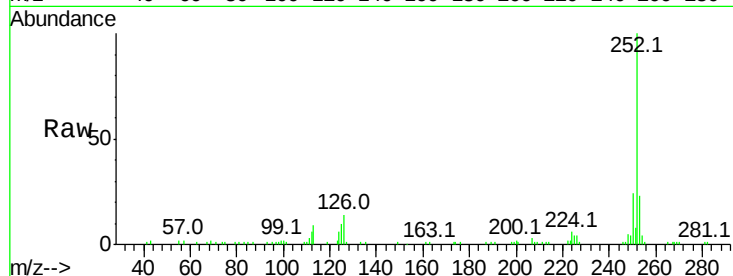




#89
Benzo(a)pyrene
Concen: 15.220 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73500
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 10.0 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 9.803 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion:276 Resp: 37899
Ion Ratio Lower Upper
276 100
277 25.3 17.9 26.9
138 21.6 21.8 32.8#

