

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF101001.D
 Acq On : 30 Nov 2017 3:01
 Operator : SJ/JU
 Sample : I6579-02DL 25X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 04:08:20 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	46684	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	160006	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	58456	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	106790	20.00	ng	0.00
75) Chrysene-d12	14.02	240	110867	20.00	ng	0.00
86) Perylene-d12	15.50	264	87954	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	9515	3.27	ng	0.00
7) Phenol-d6	6.48	99	11278	3.14	ng	-0.01
23) Nitrobenzene-d5	7.41	82	5566	2.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	1857	3.12	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	13389	3.49	ng	-0.01
78) Terphenyl-d14	12.96	244	13880	2.88	ng	-0.01

Target Compounds

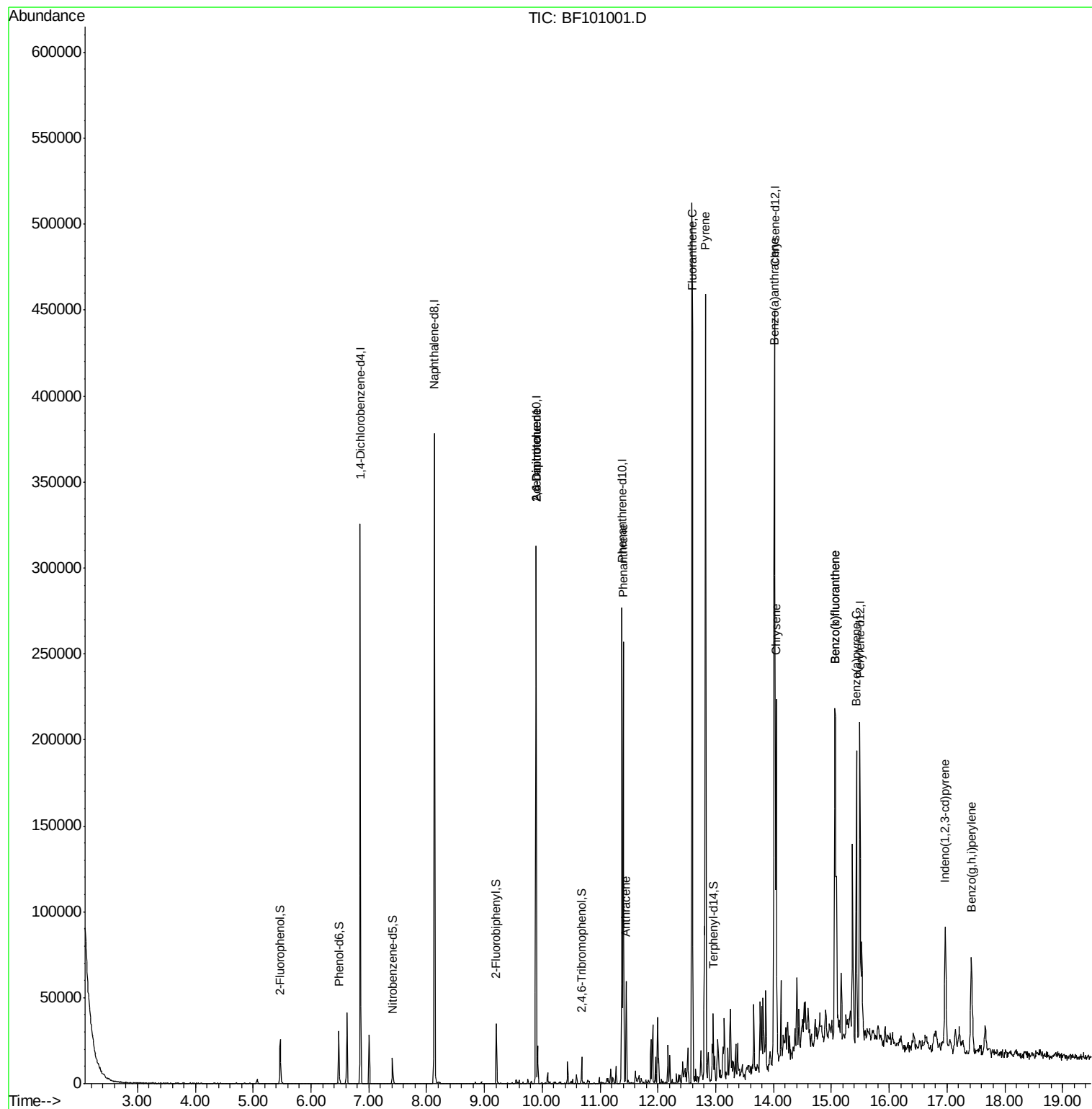
						Qvalue
50) 2,6-Dinitrotoluene	9.89	165	7415	8.393	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	7415	6.653	ng	# 21
70) Phenanthrene	11.40	178	91999	16.362	ng	96
71) Anthracene	11.45	178	24768	4.342	ng	97
74) Fluoranthene	12.59	202	204870	34.380	ng	97
77) Pyrene	12.82	202	195547	24.743	ng	98
80) Benzo(a)anthracene	14.01	228	103394	15.487	ng	98
82) Chrysene	14.04	228	85498	13.224	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	50183	9.596	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	144806	27.790	ng	99
88) Benzo(k)fluoranthene	15.06	252	144806	29.411	ng	96
89) Benzo(a)pyrene	15.43	252	77751	16.831	ng	97
91) Benzo(a,h,i)perylene	17.43	276	49262	13.321	ng	# 93

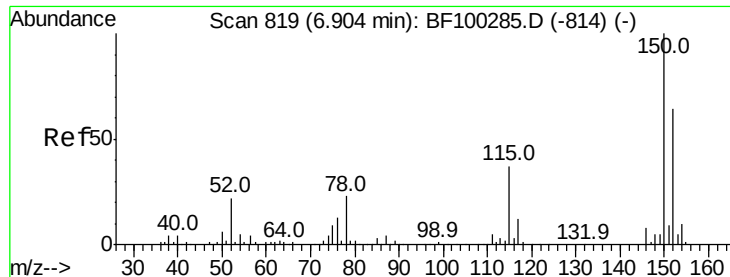
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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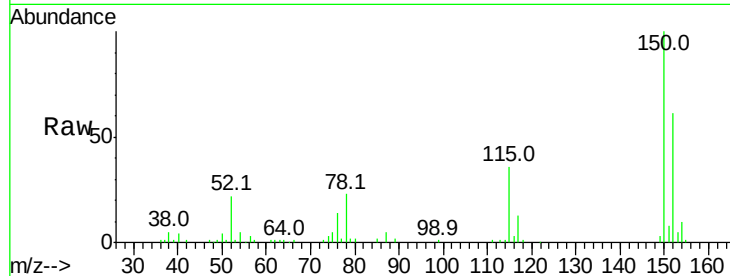


#1

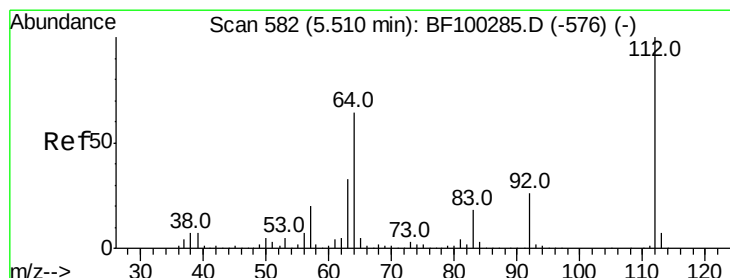
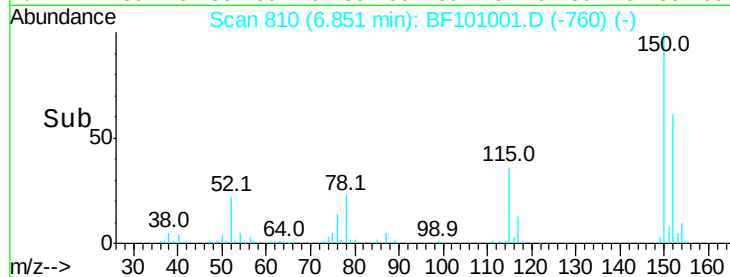
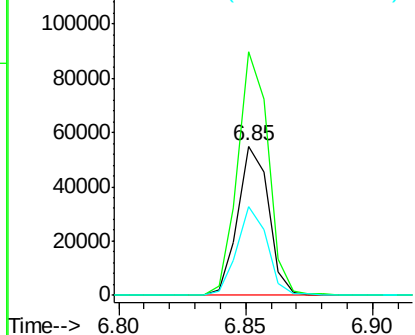
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 46684
 Ion Ratio Lower Upper
 152 100
 150 163.5 124.6 186.8
 115 59.6 50.1 75.1



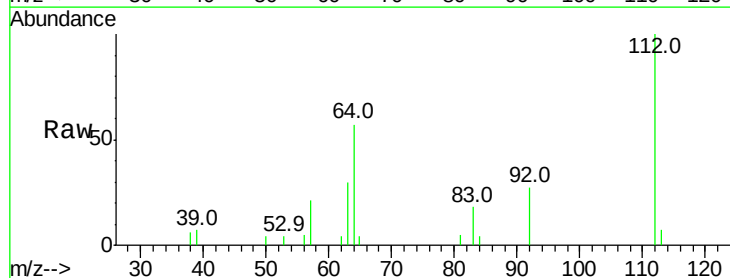
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



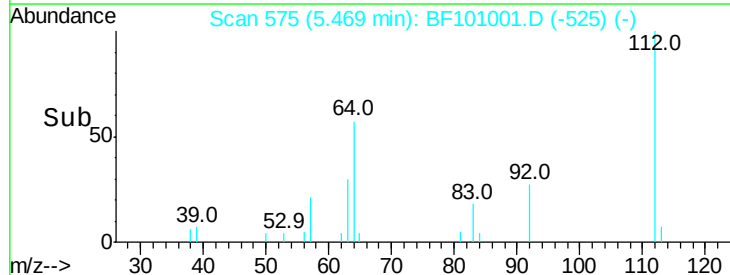
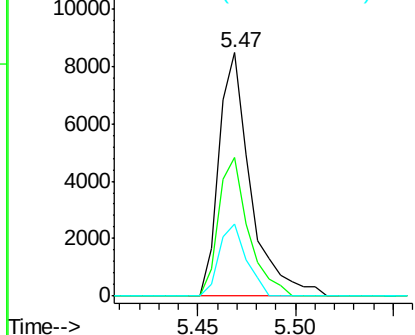
#5

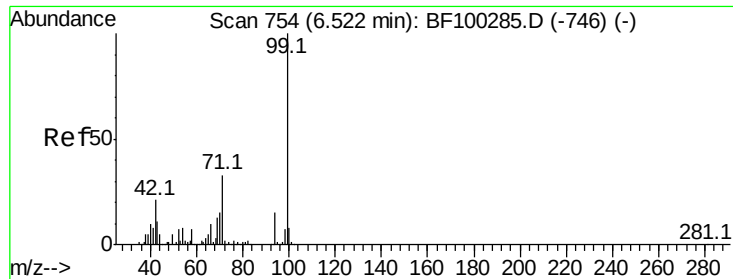
2-Fluorophenol
 Concen: 3.267 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Tgt Ion:112 Resp: 9515
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.9 71.9
 63 29.6 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: 3.140 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

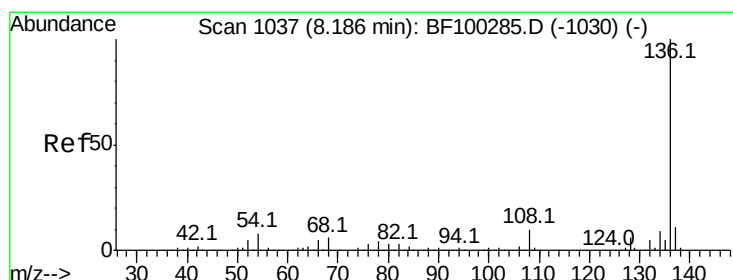
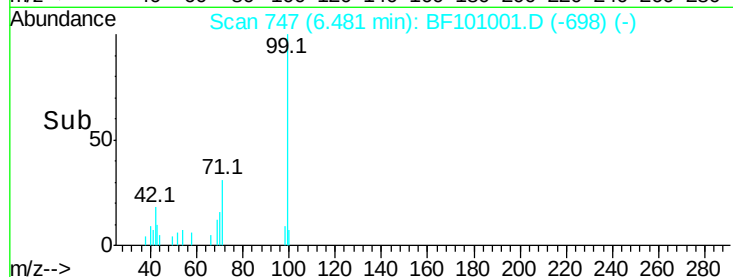
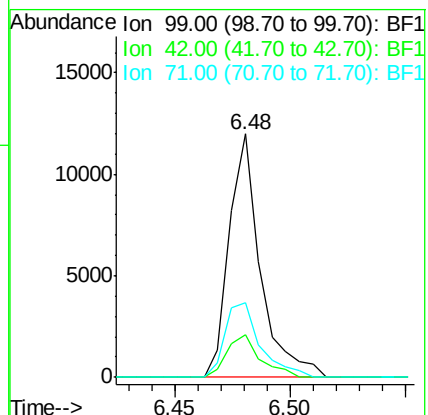
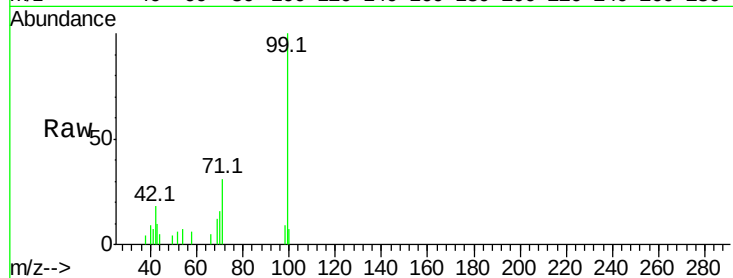
Tot Ion: 99 Resp: 11278

Ion Ratio Lower Upper

99 100

42 17.7 14.5 21.7

71 30.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Tgt Ion: 136 Resp: 160006

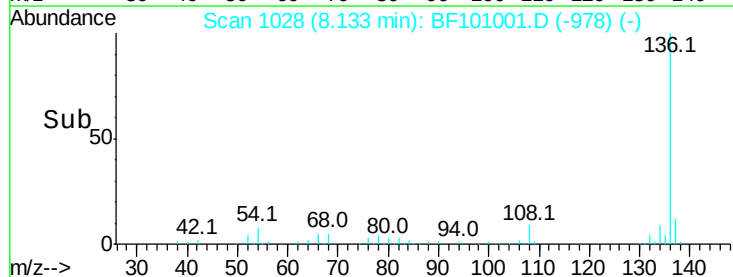
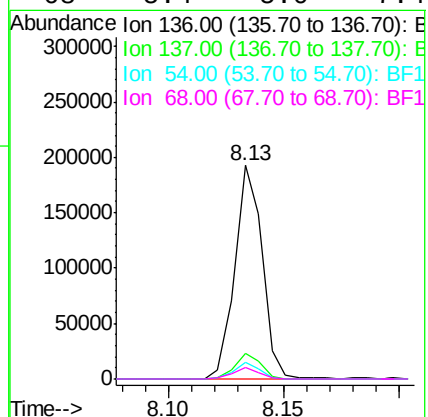
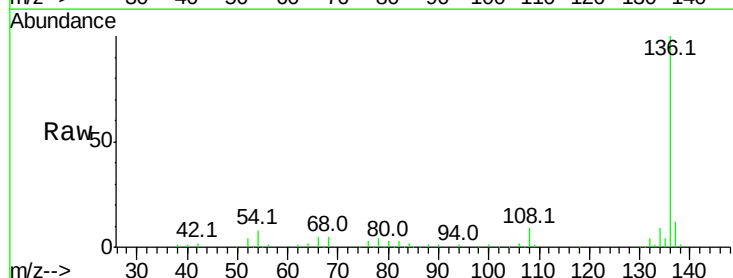
Ion Ratio Lower Upper

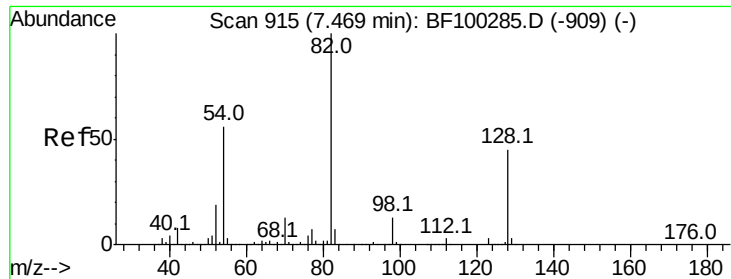
136 100

137 12.2 8.9 13.3

54 7.7 6.6 9.8

68 5.4 5.0 7.4

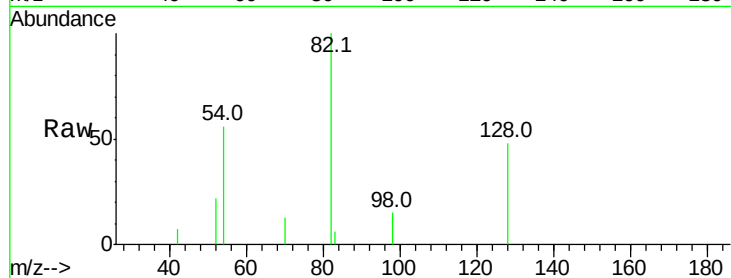




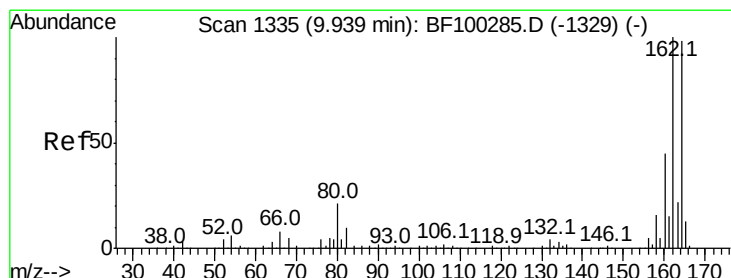
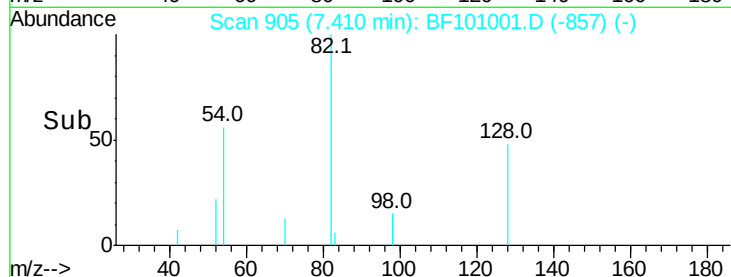
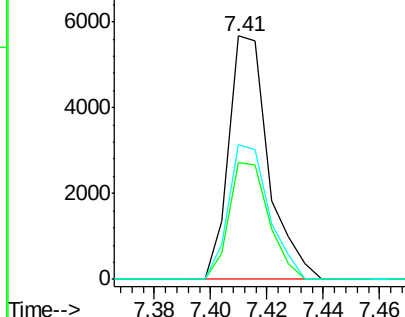
#23
Nitrobenzene-d5
Concen: 2.300 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 5566
Ion Ratio Lower Upper
82 100
128 47.9 36.1 54.1
54 55.6 41.4 62.2

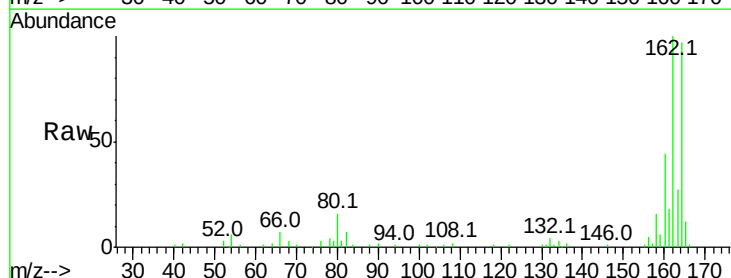


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

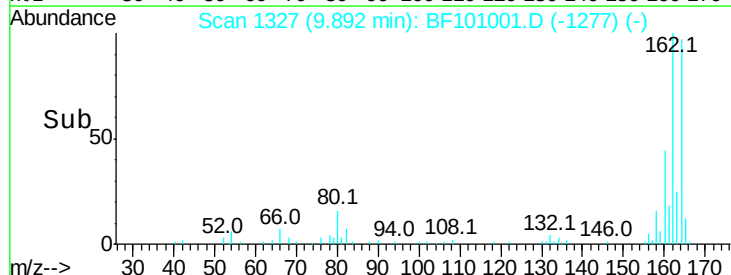
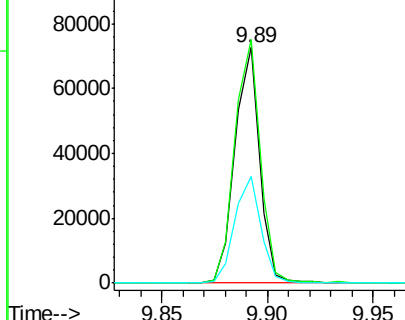


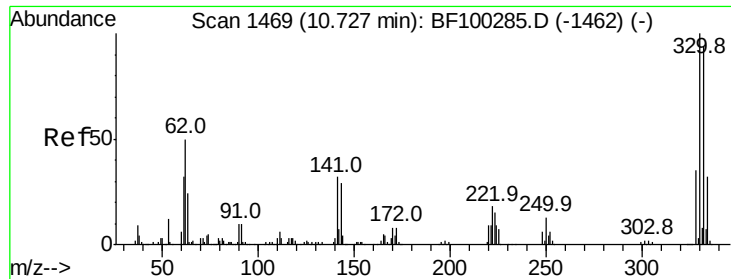
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion: 164 Resp: 58456
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 45.4 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

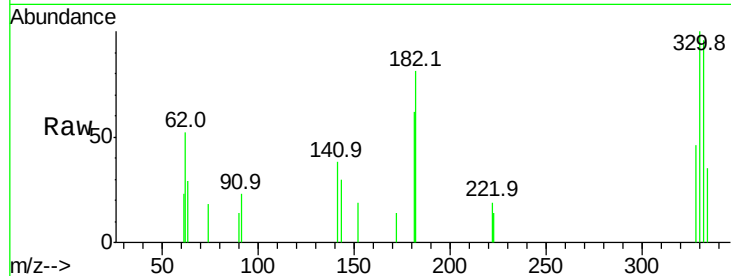




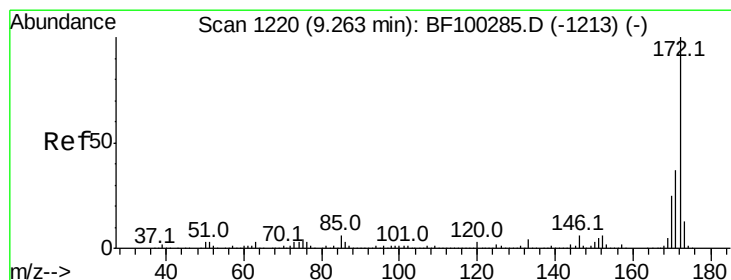
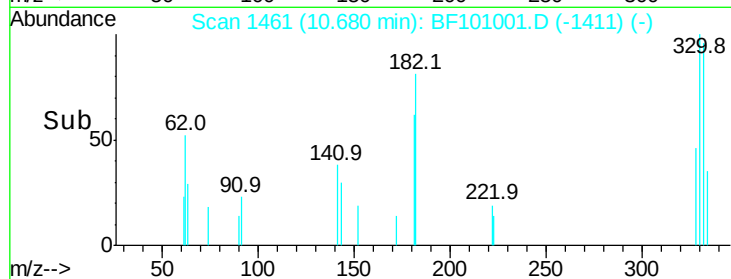
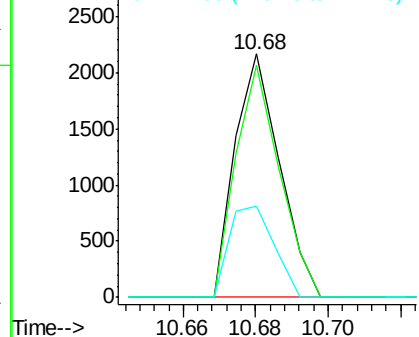
#41
 2,4,6-Tribromophenol
 Concen: 3.118 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	37.6	29.9	44.9

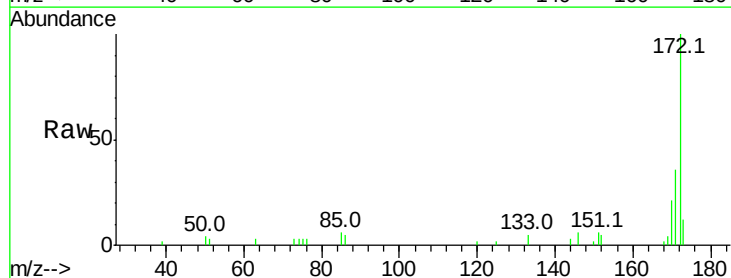


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

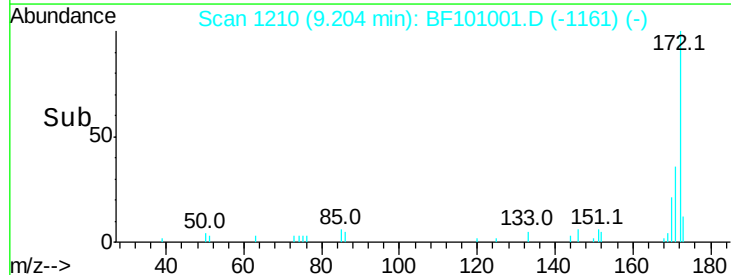
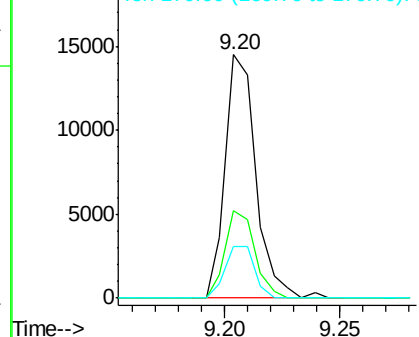


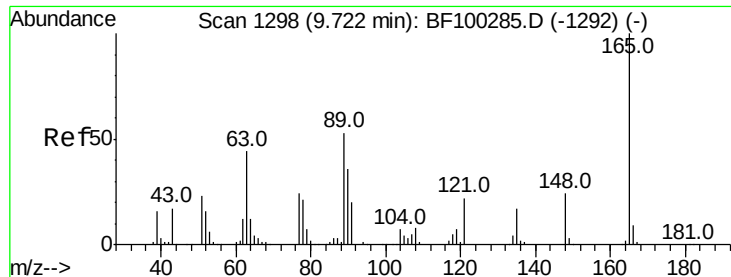
#44
 2-Fluorobiphenyl
 Concen: 3.488 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	21.0	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: 8.393 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF101001.D

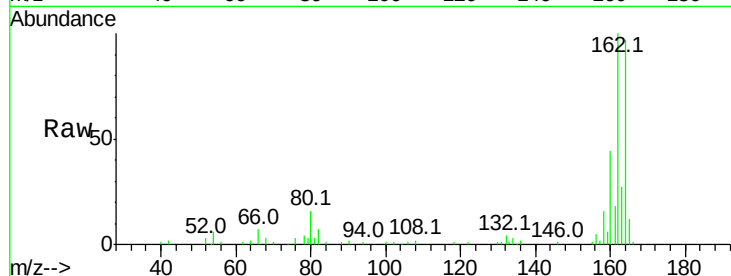
Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

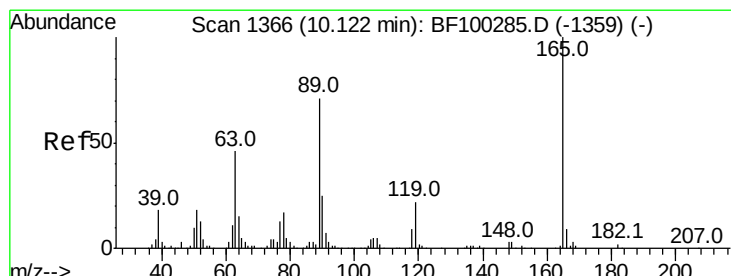
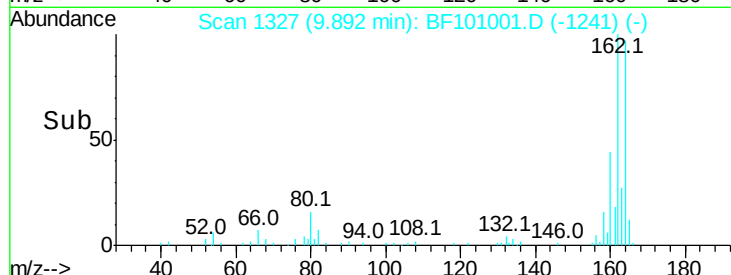
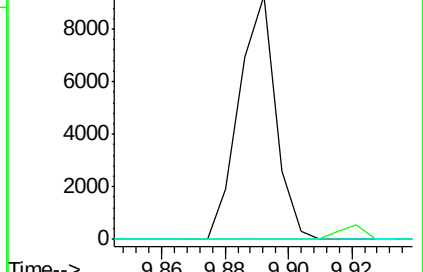
Tot Ion:	165	Resp:	7415
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



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: 6.653 ng

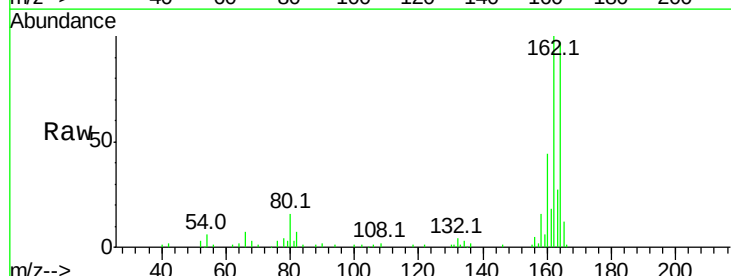
RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Tgt Ion:	165	Resp:	7415
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#

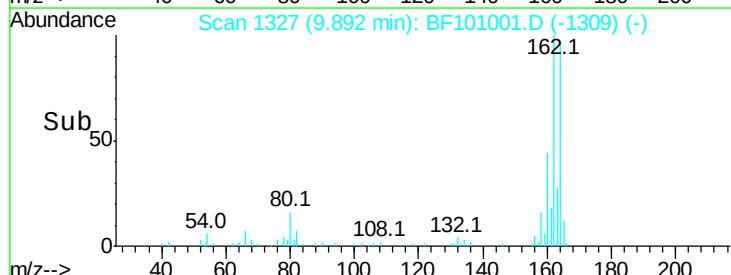
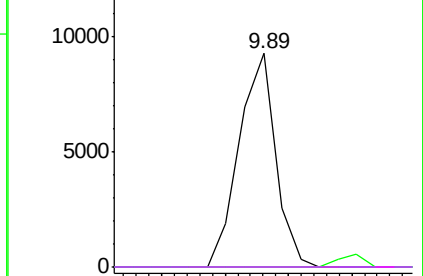


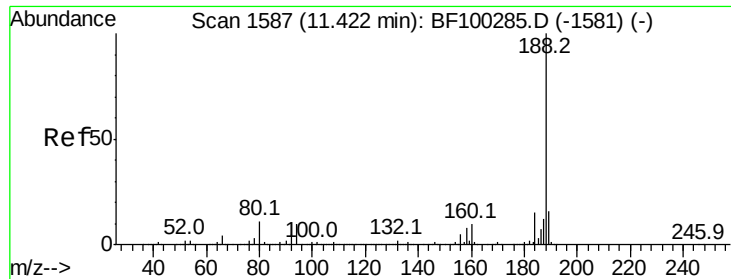
Abundance Ion 165.00 (164.70 to 165.70): E

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

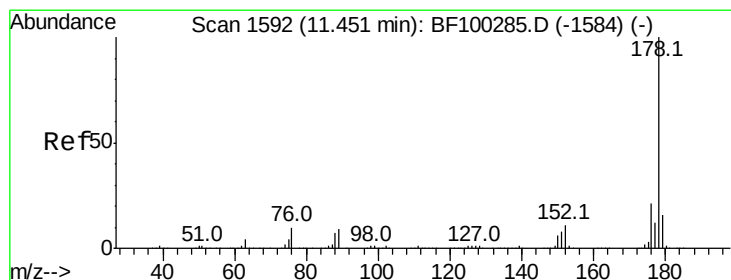
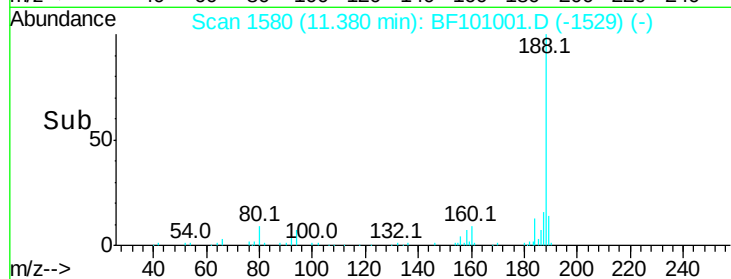
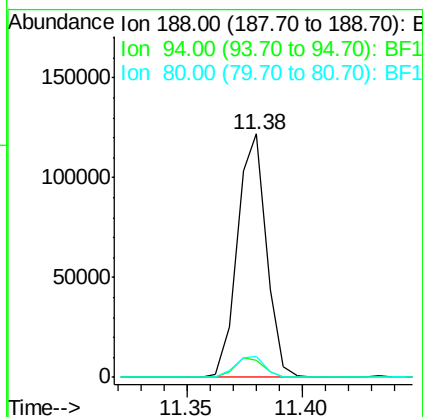
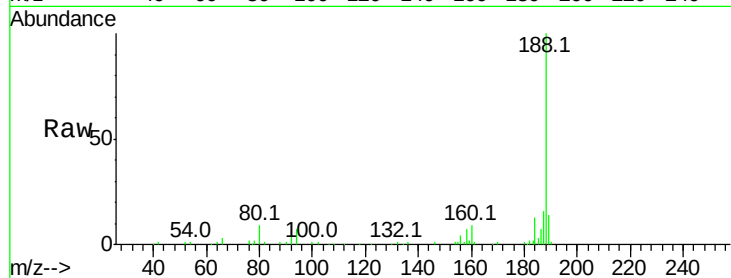




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

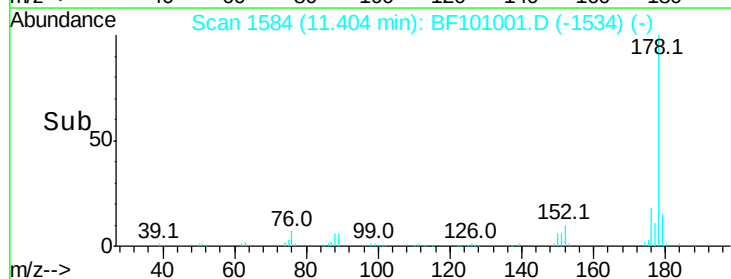
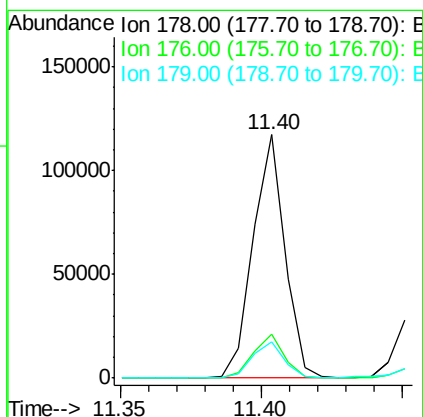
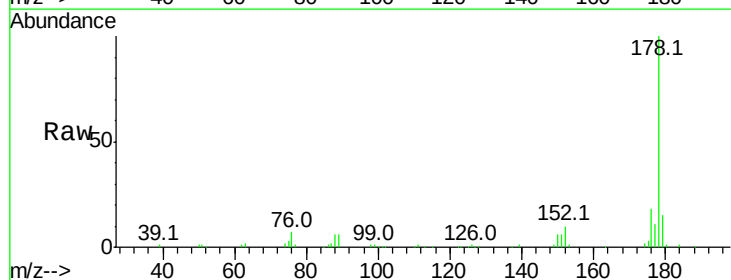
Instrument :
BNA_F
ClientSampleId :

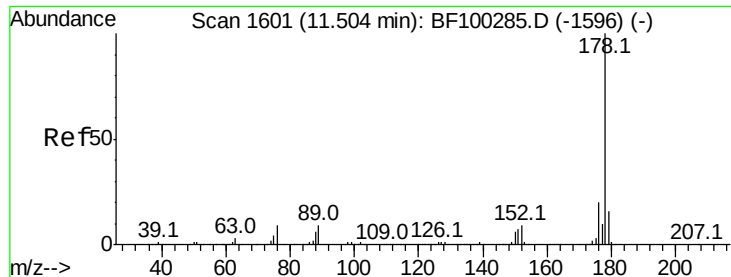
Tot Ion:188 Resp: 106790
Ion Ratio Lower Upper
188 100
94 7.0 8.5 12.7#
80 8.5 9.2 13.8#



#70
Phenanthrene
Concen: 16.362 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion:178 Resp: 91999
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 14.7 13.0 19.6





#71

Anthracene

Concen: 4.342 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

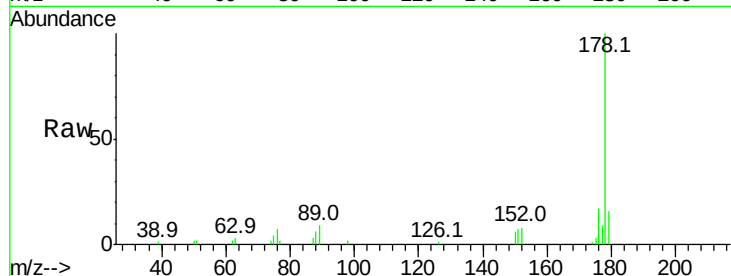
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 24768

Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.4	23.2
179	15.5	12.6	19.0

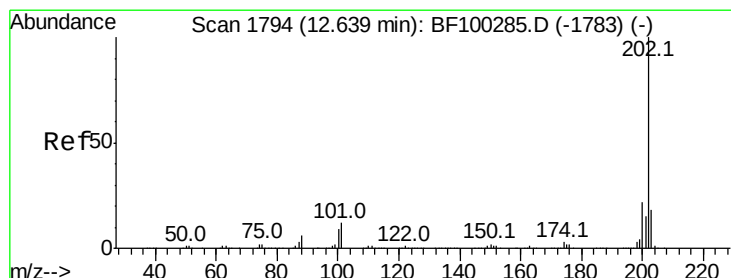
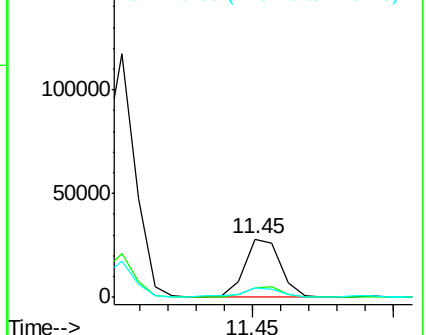
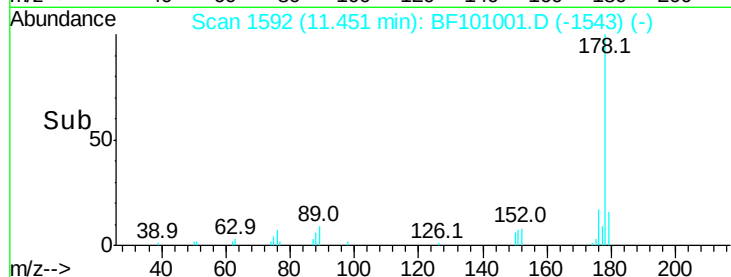


Abundance

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



#74

Fluoranthene

Concen: 34.380 ng

RT: 12.59 min Scan# 1786

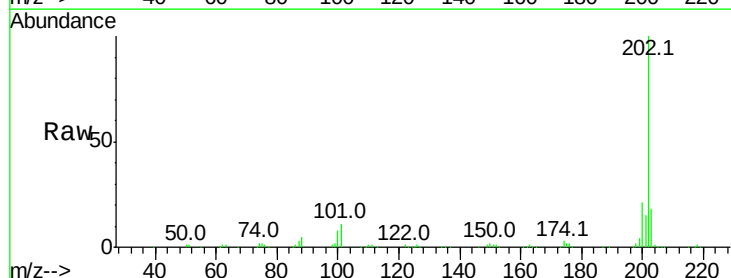
Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Tgt Ion:202 Resp: 204870

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.9	0.0	38.1

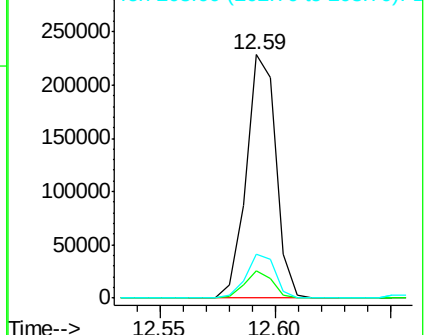
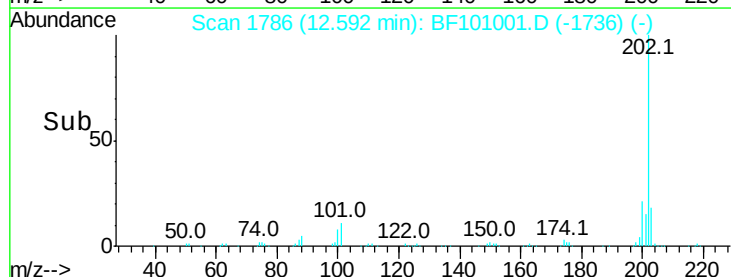


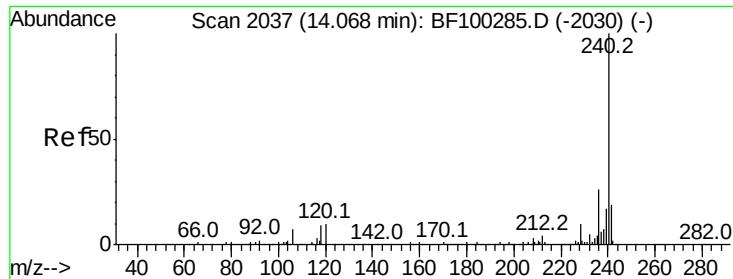
Abundance

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. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

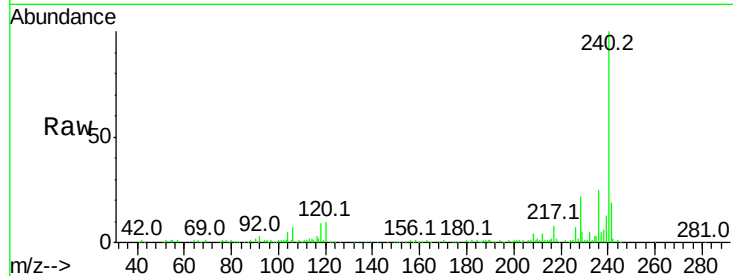
Tot Ion:240 Resp: 110867

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

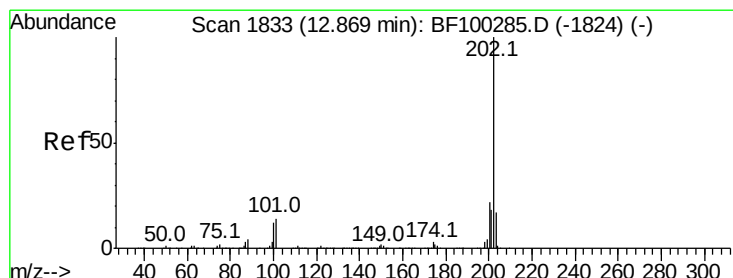
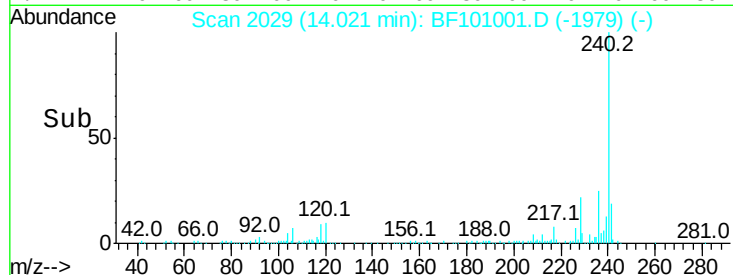
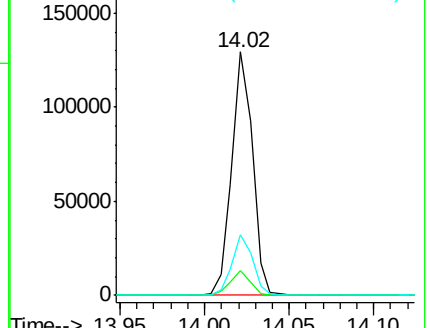
236 24.7 20.7 31.1



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



#77

Pyrene

Concen: 24.743 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

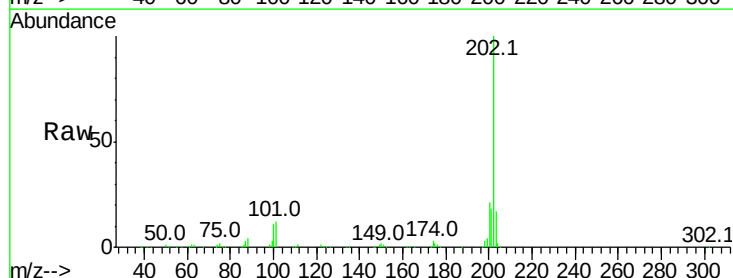
Tgt Ion:202 Resp: 195547

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

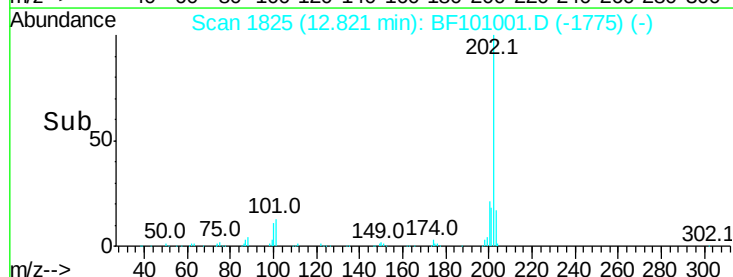
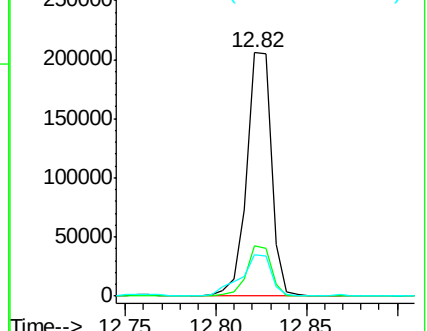
203 17.1 14.3 21.5

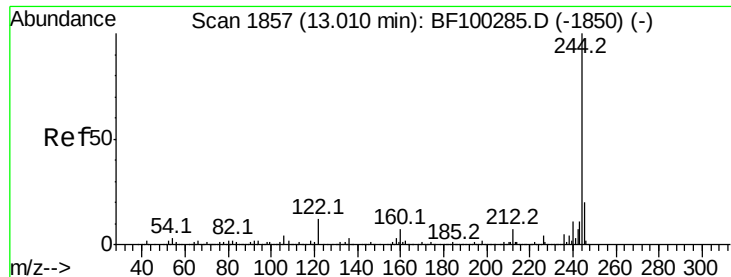


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

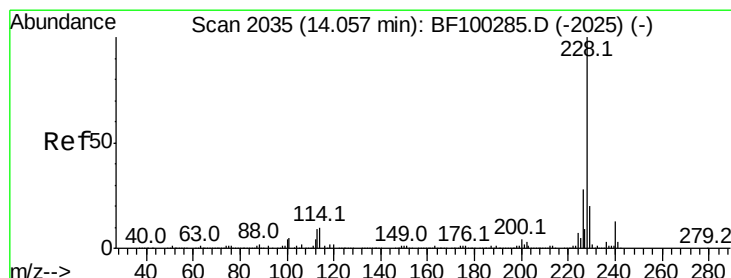
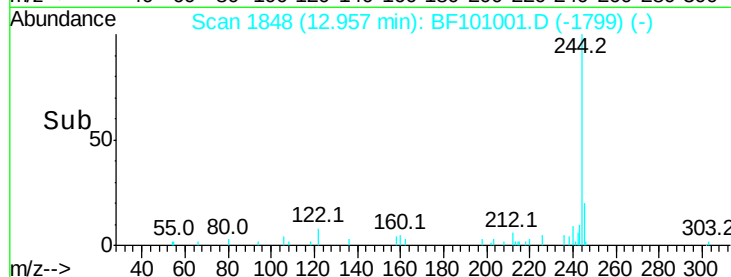
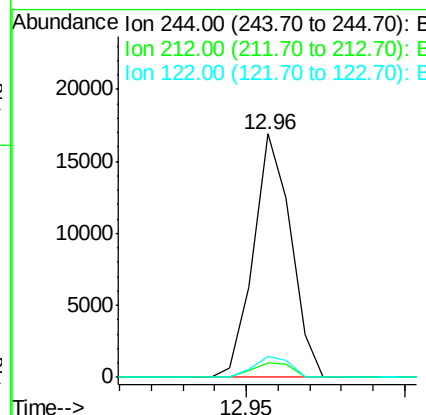
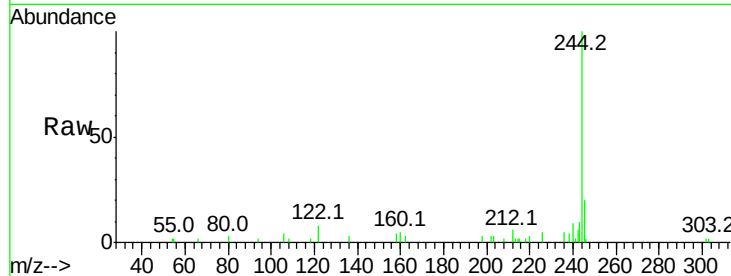




#78
 Terphenyl-d14
 Concen: 2.877 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

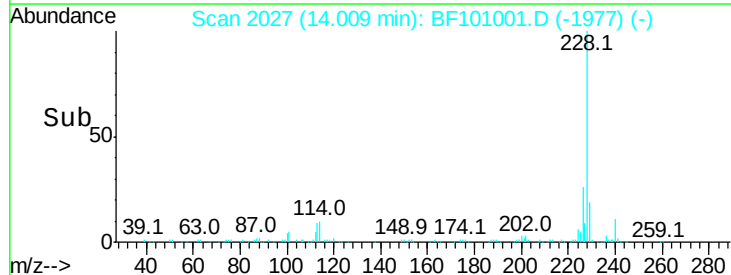
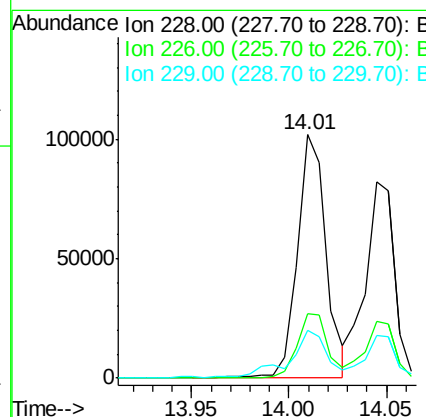
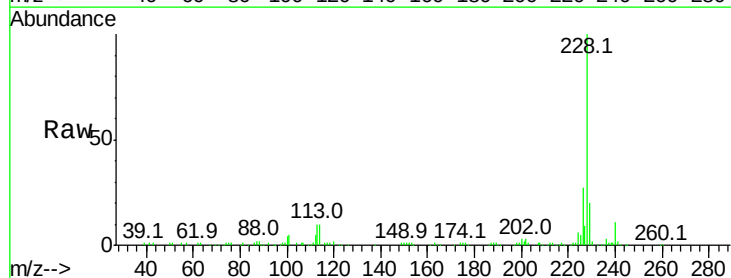
Instrument :
 BNA_F
 ClientSampleId :

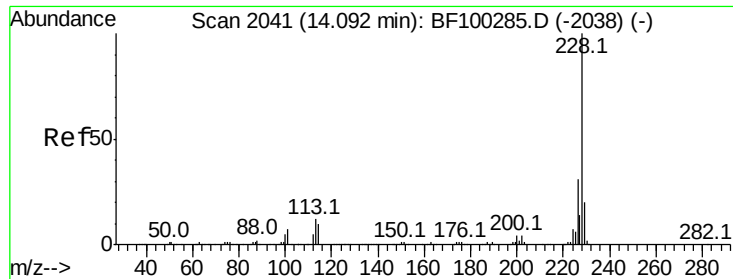
Tot Ion:244 Resp: 13880
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.4 8.0
 122 8.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 15.487 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Tgt Ion:228 Resp: 103394
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.6 33.8
 229 19.8 15.8 23.6





#82

Chrysene

Concen: 13.224 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleID :

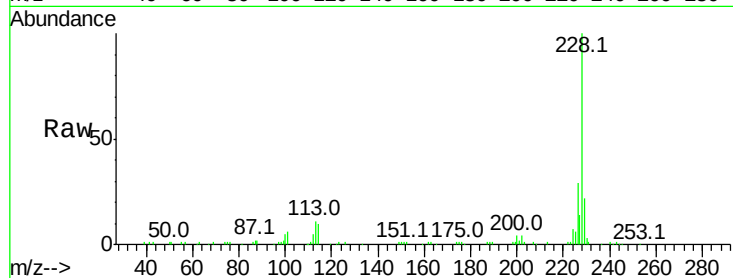
Tot Ion:228 Resp: 85498

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

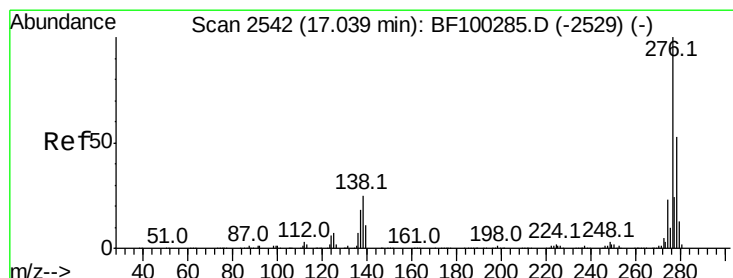
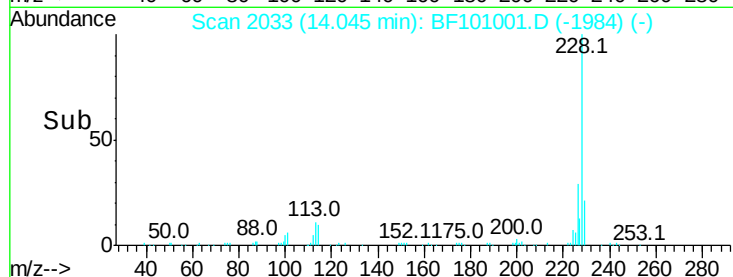
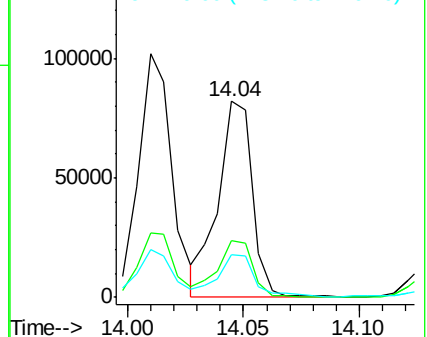
229 21.5 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.596 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

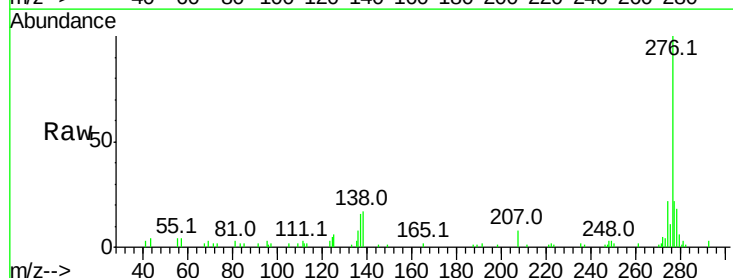
Tgt Ion:276 Resp: 50183

Ion Ratio Lower Upper

276 100

138 21.9 25.0 37.6#

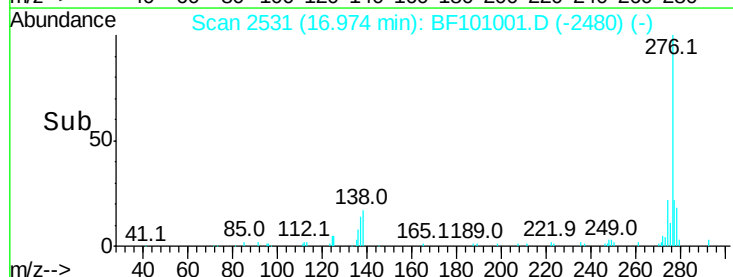
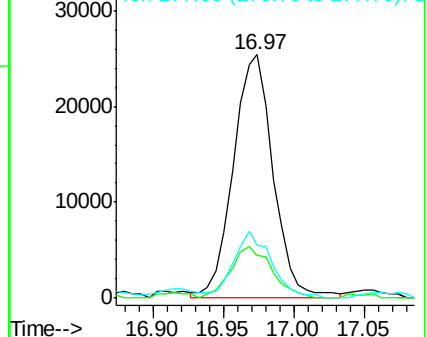
277 26.4 20.1 30.1

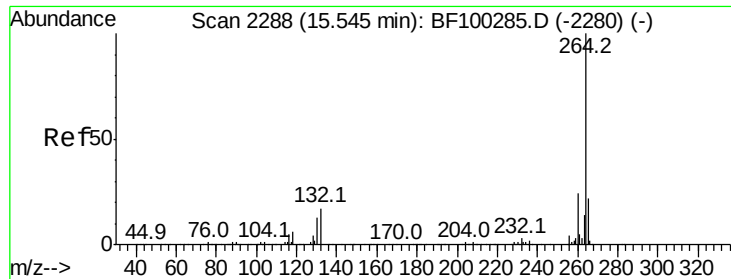


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

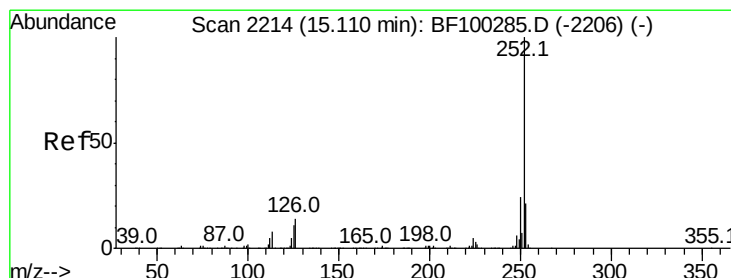
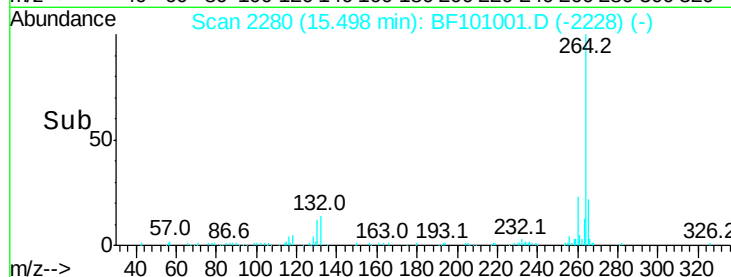
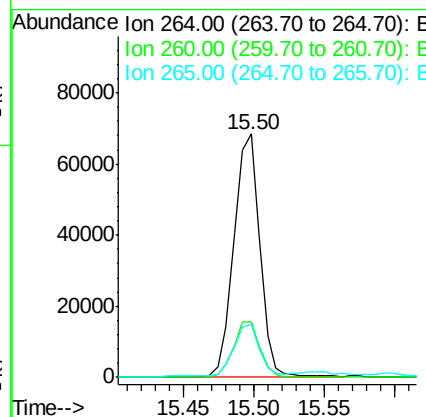
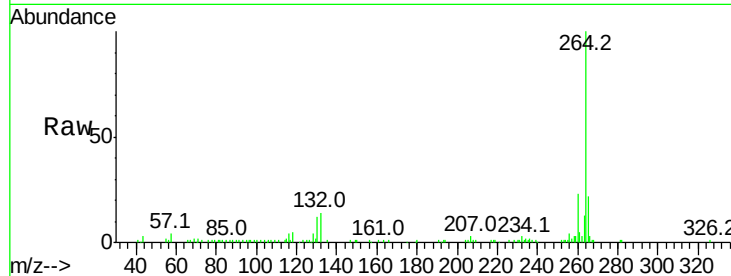




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

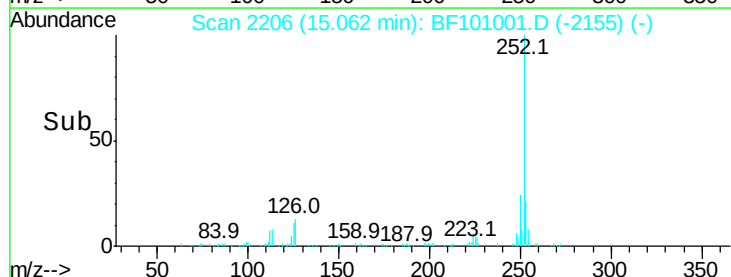
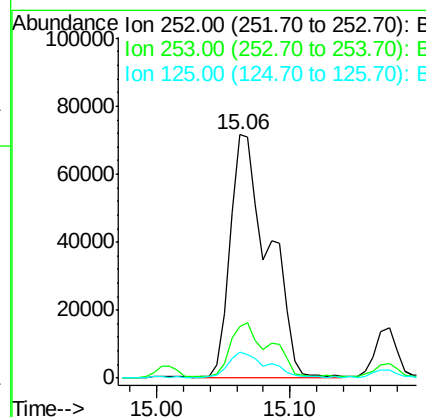
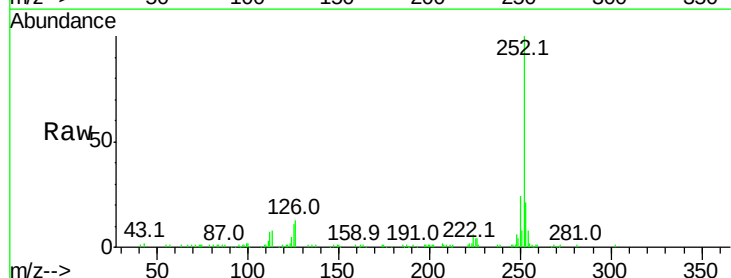
Instrument :
BNA_F
ClientSampleId :

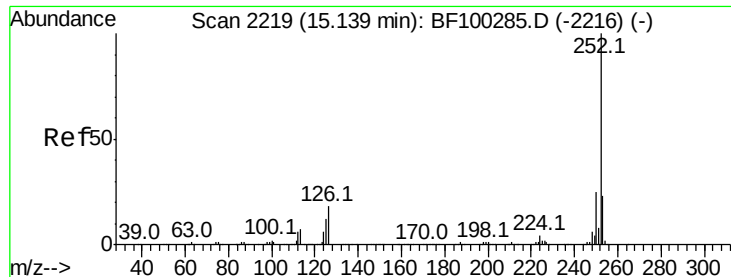
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 27.790 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	10.7	9.0	13.6

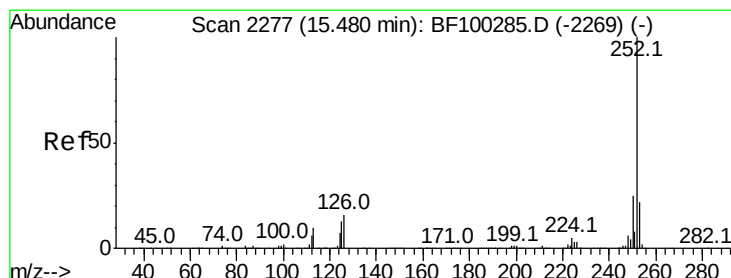
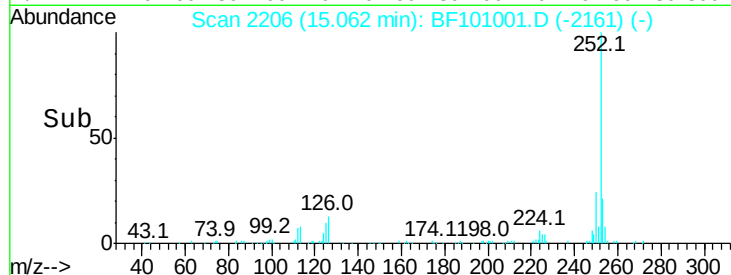
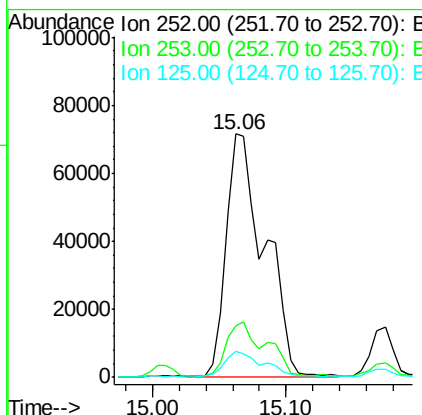
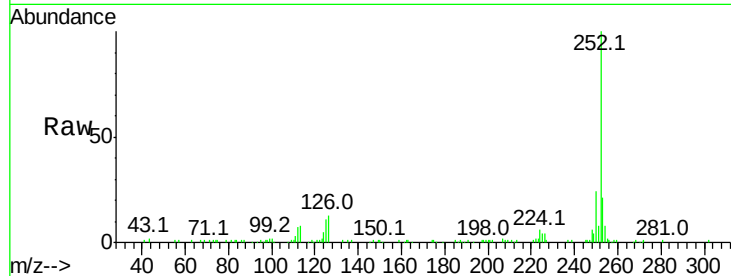




#88
Benzo(k)fluoranthene
Concen: 29.411 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

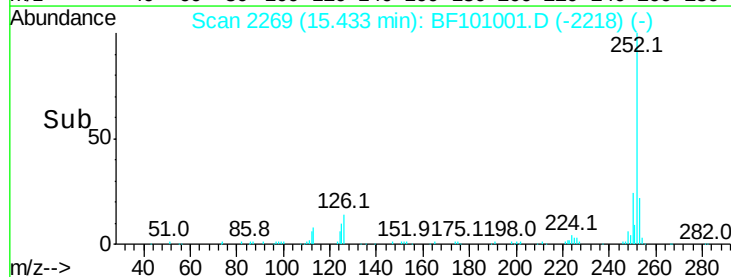
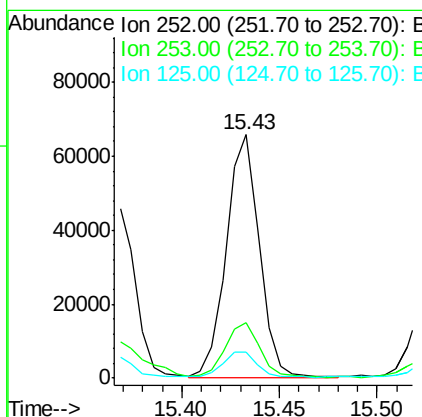
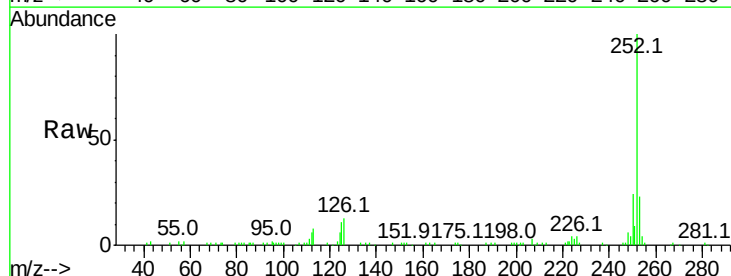
Instrument :
BNA_F
ClientSampleId :

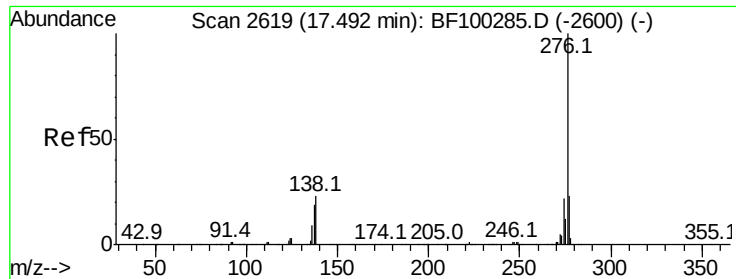
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.9	26.9
125	10.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 16.831 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 13.321 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	21.5	21.8	32.8

