

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101033.D
 Acq On : 30 Nov 2017 22:25
 Operator : SJ/JU
 Sample : I6300-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

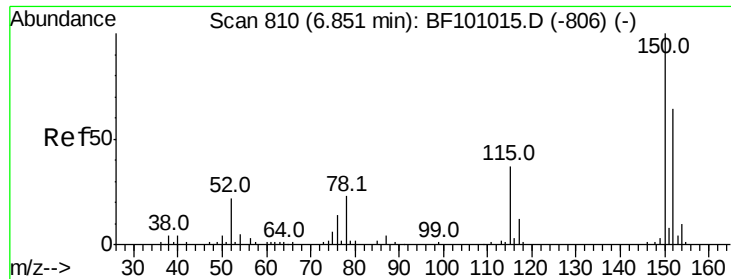
Quant Time: Dec 01 00:38:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	50195	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	175978	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	63401	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	110574	20.00	ng	0.00
75) Chrysene-d12	14.03	240	125818	20.00	ng	0.00
86) Perylene-d12	15.50	264	91580	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	63738	20.98	ng	0.00
7) Phenol-d6	6.48	99	75578	20.49	ng	0.00
23) Nitrobenzene-d5	7.41	82	41955	14.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	13054	17.14	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	84504	18.24	ng	0.00
78) Terphenyl-d14	12.96	244	72045	12.52	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	5597	2.253	ng	# 84
25) Isophorone	7.41	82	41955	8.326	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	8454	7.850	ng	# 24
51) Acenaphthene	9.92	154	11391	2.806	ng	93
55) 4-Nitrophenol	10.09	139	3162	3.871	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	8454	5.857	ng	# 21
57) Fluorene	10.44	166	15462	3.251	ng	99
70) Phenanthrene	11.40	178	143208	23.518	ng	98
71) Anthracene	11.46	178	35995	5.841	ng	97
74) Fluoranthene	12.60	202	236630	35.057	ng	94
77) Pyrene	12.83	202	221627	25.528	ng	99
80) Benzo(a)anthracene	14.02	228	116405	14.653	ng	99
82) Chrysene	14.05	228	98629	13.369	ng	98
85) Indeno(1,2,3-cd)pyrene	16.98	276	29082	4.434	ng	90
87) Benzo(b)fluoranthene	15.07	252	127056	23.163	ng	99
88) Benzo(k)fluoranthene	15.07	252	127056	23.510	ng	98
89) Benzo(a)pyrene	15.43	252	66207	13.276	ng	97
91) Benzo(g,h,i)perylene	17.43	276	30214	7.292	ng	# 90

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

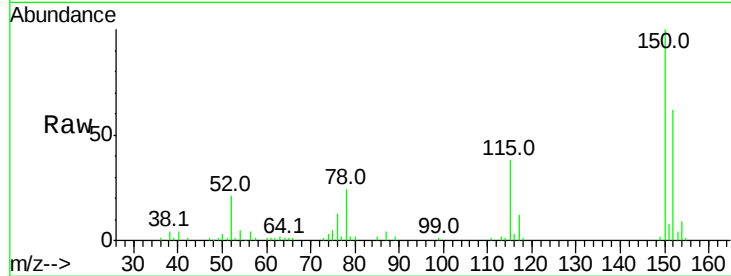


#1

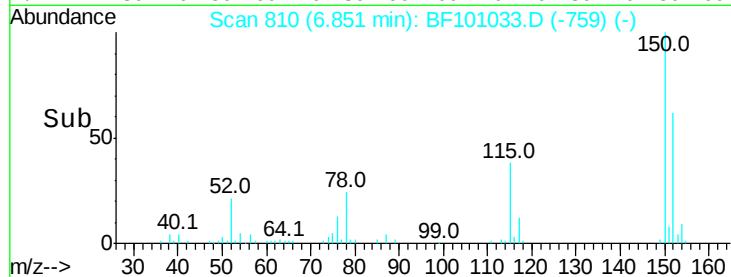
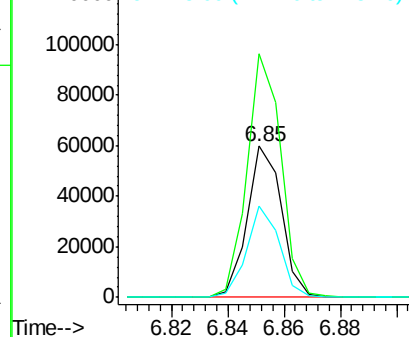
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 50195
Ion Ratio Lower Upper
152 100
150 161.0 124.6 186.8
115 60.4 50.1 75.1



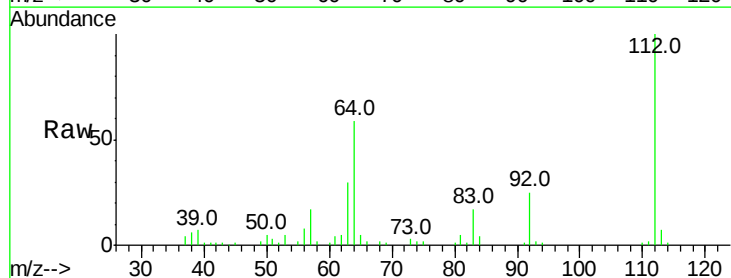
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



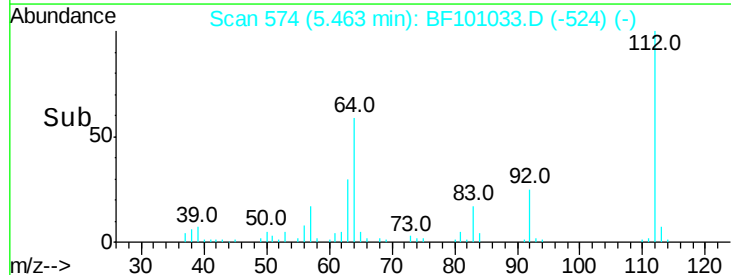
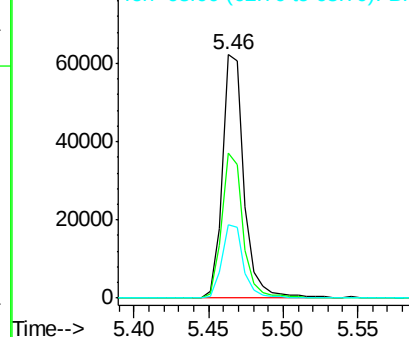
#5

2-Fluorophenol
Concen: 20.983 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion:112 Resp: 63738
Ion Ratio Lower Upper
112 100
64 59.4 47.9 71.9
63 30.2 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: 20.493 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

ClientSampleId :

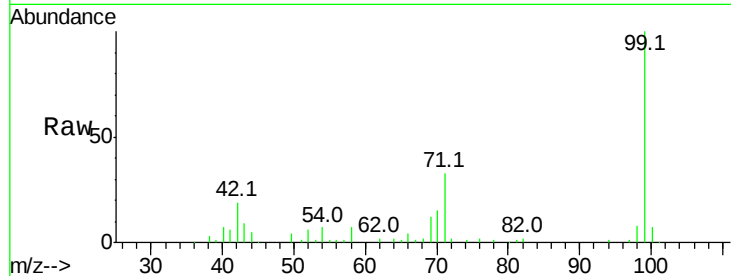
Tot Ion: 99 Resp: 75578

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

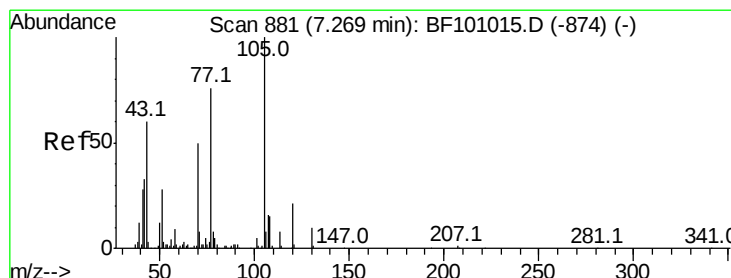
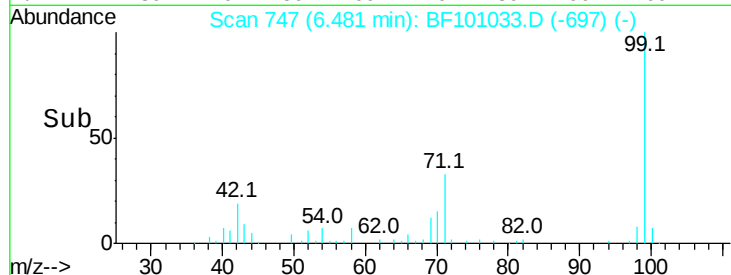
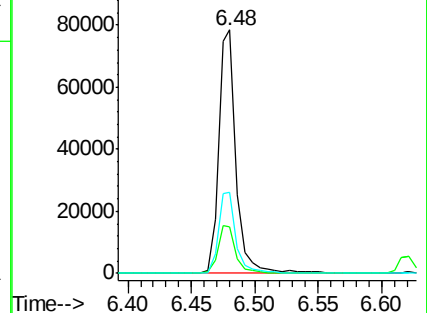
71 33.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.253 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Tgt Ion: 70 Resp: 5597

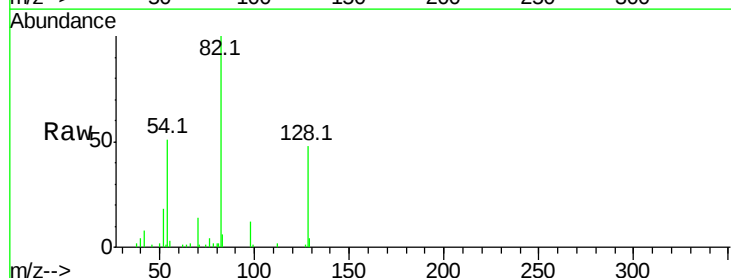
Ion Ratio Lower Upper

70 100

42 55.6 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

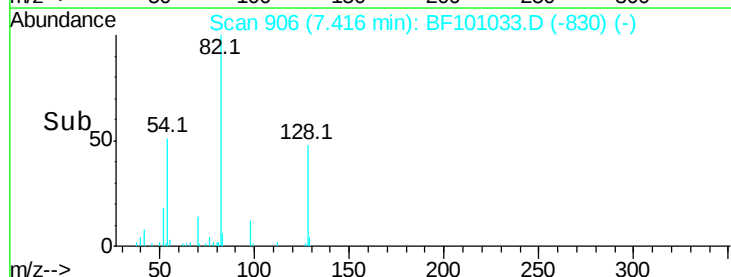
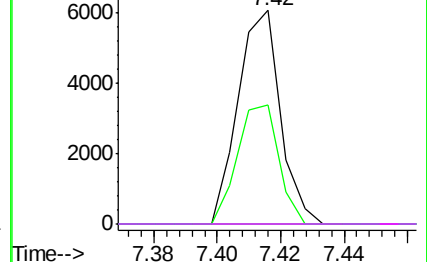


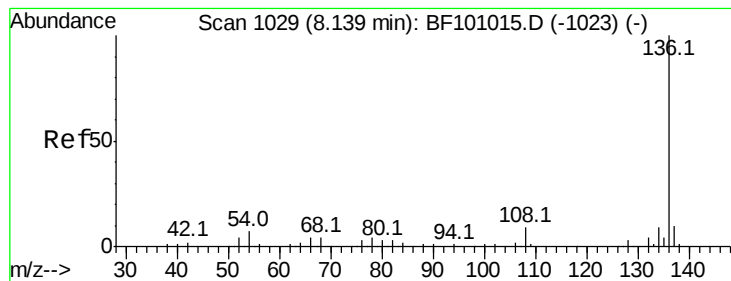
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 175978

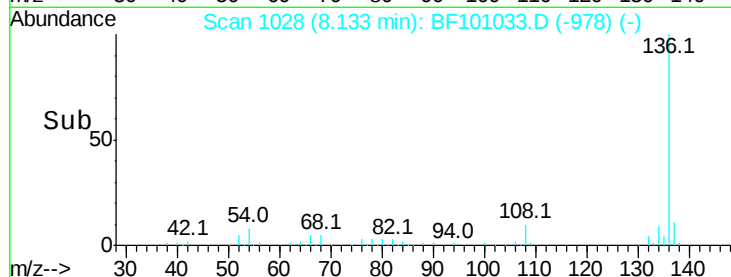
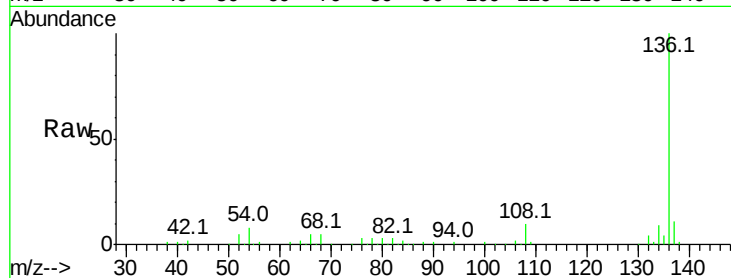
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.9 6.6 9.8

68 4.8 5.0 7.4#

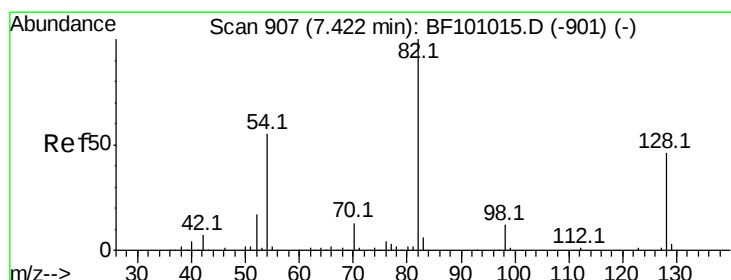
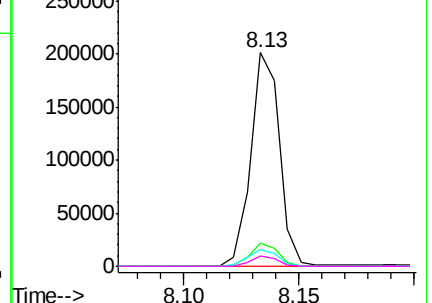


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.222 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

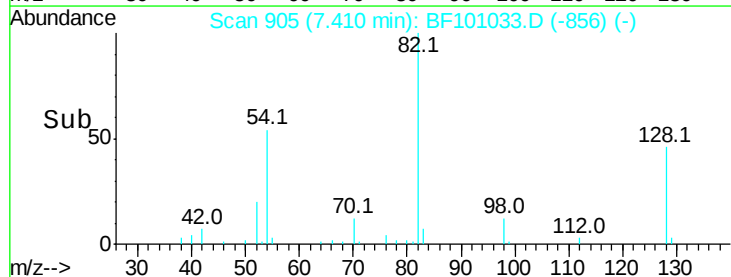
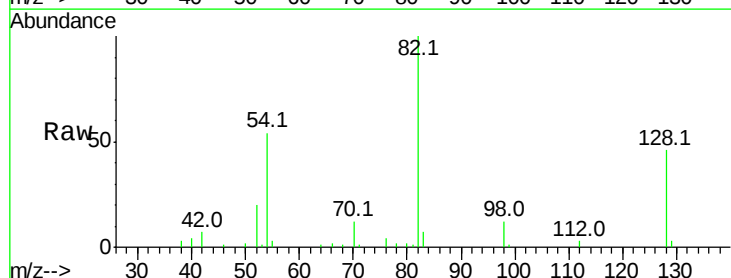
Tgt Ion: 82 Resp: 41955

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

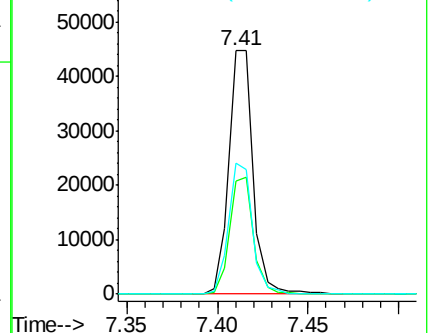
54 54.0 41.4 62.2

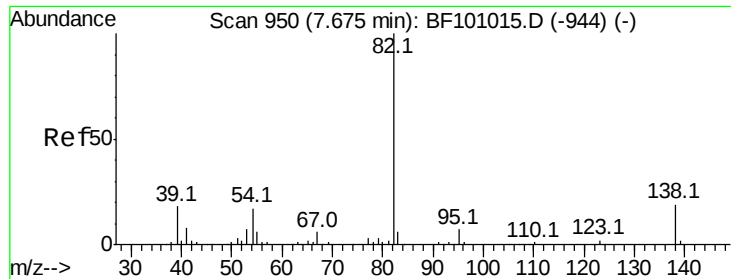


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

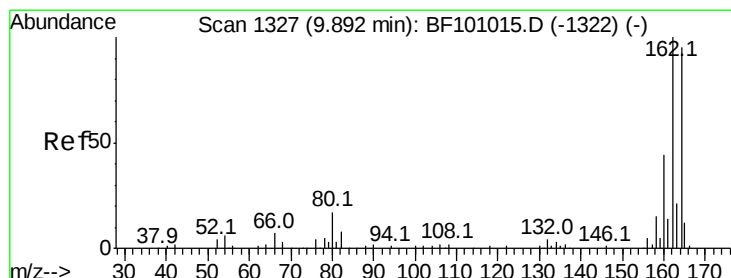
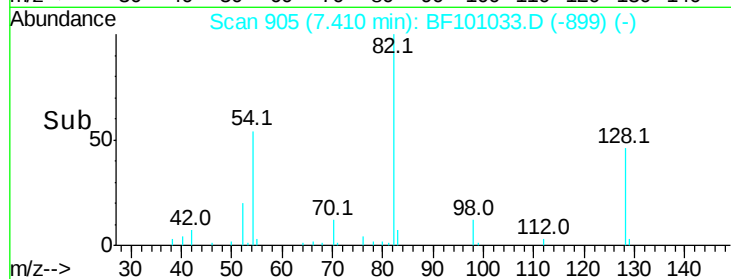
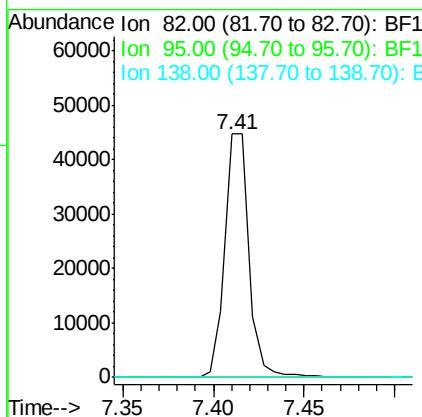
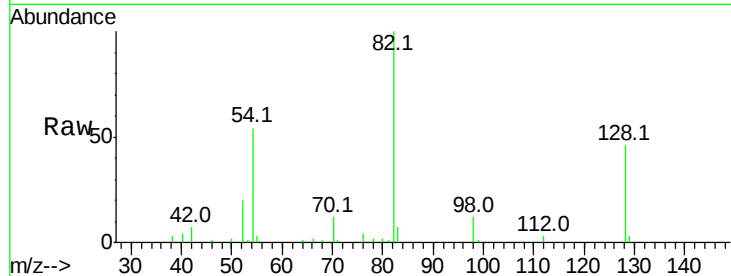




#25
Isophorone
Concen: 8.326 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

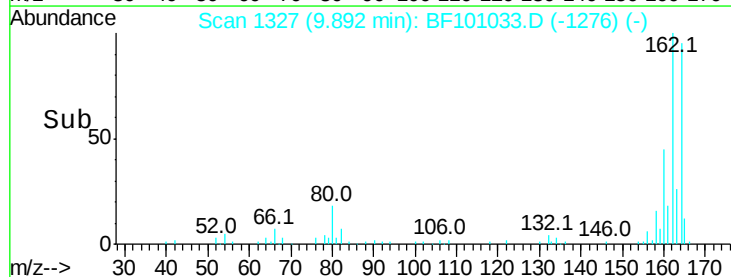
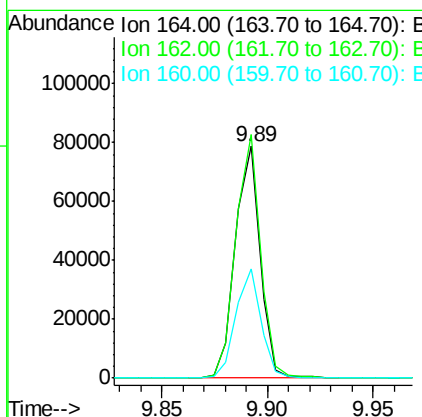
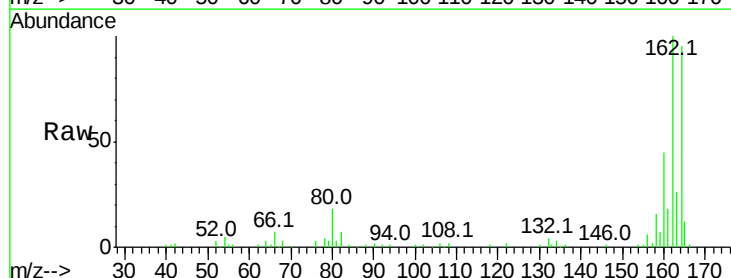
Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 41955
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion:164 Resp: 63401
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 46.9 38.3 57.5

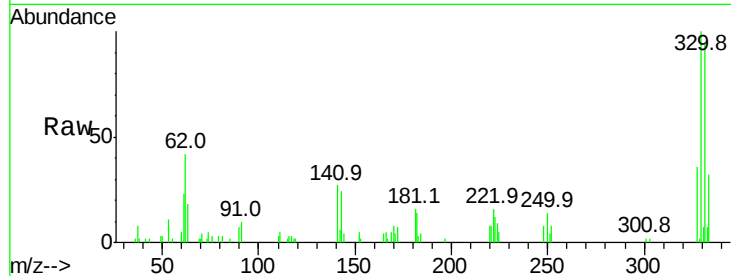




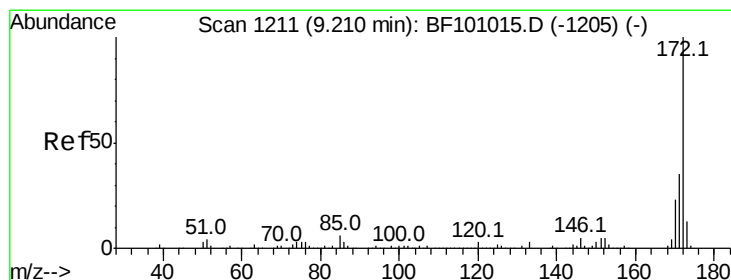
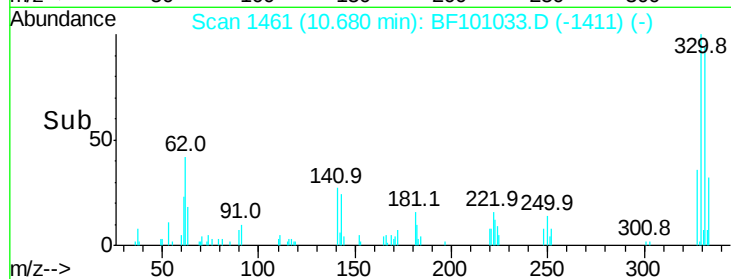
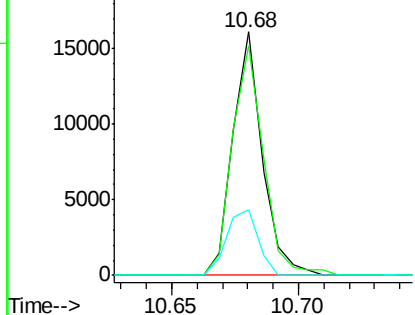
#41
 2,4,6-Tribromophenol
 Concen: 17.140 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.3	77.0	115.6
141	28.8	29.9	44.9#

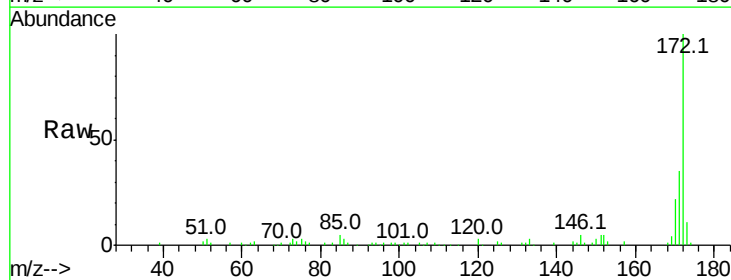


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

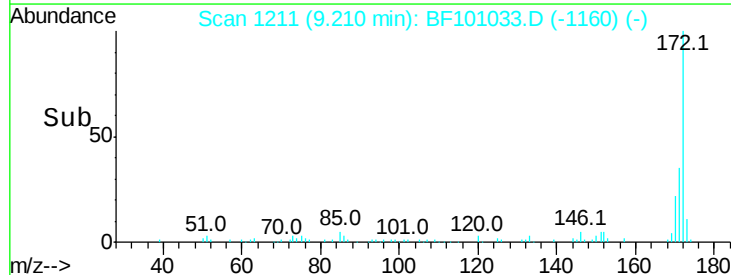
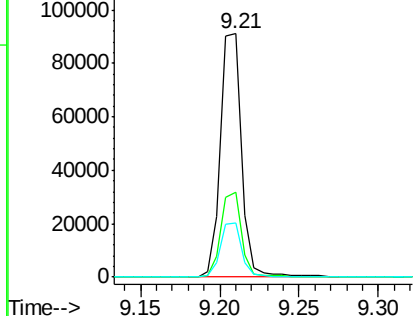


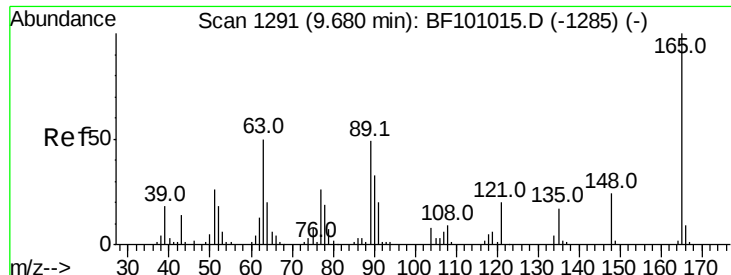
#44
 2-Fluorobiphenyl
 Concen: 18.236 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.2	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

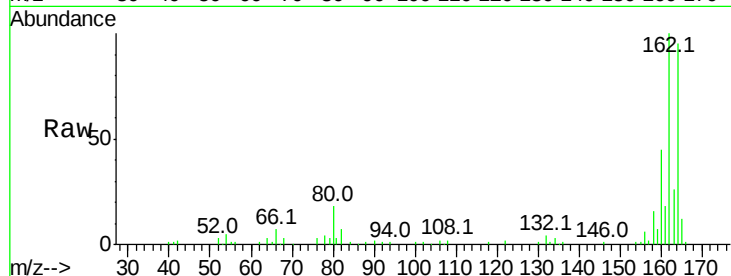




#50
 2,6-Dinitrotoluene
 Concen: 7.850 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :

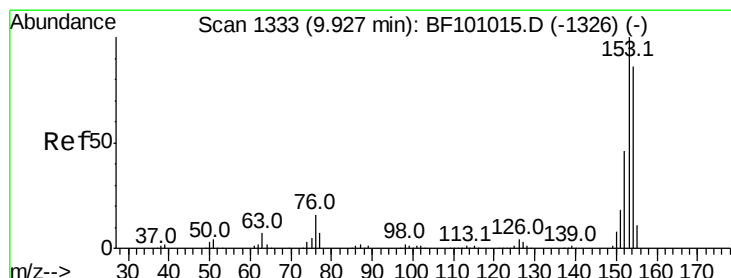
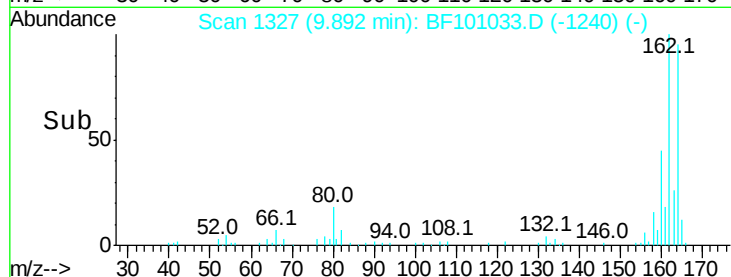
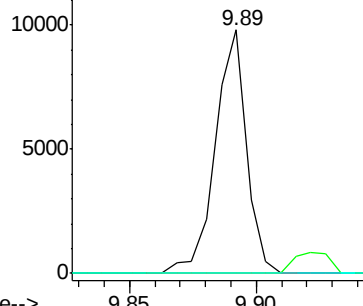
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

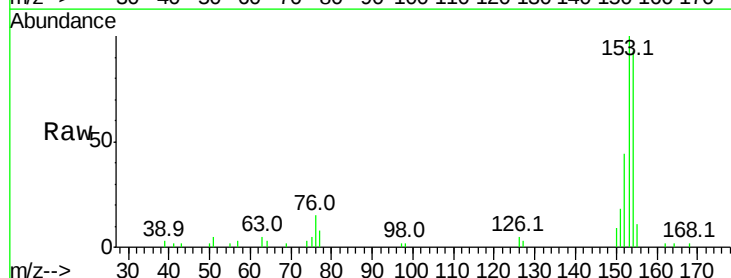
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#51
 Acenaphthene
 Concen: 2.806 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

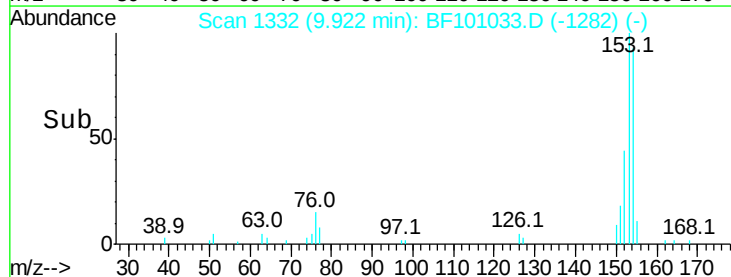
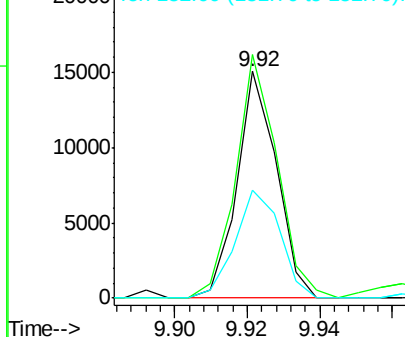
Tgt Ion	Ratio	Lower	Upper
154	100		
153	107.5	91.2	136.8
152	47.8	43.8	65.8

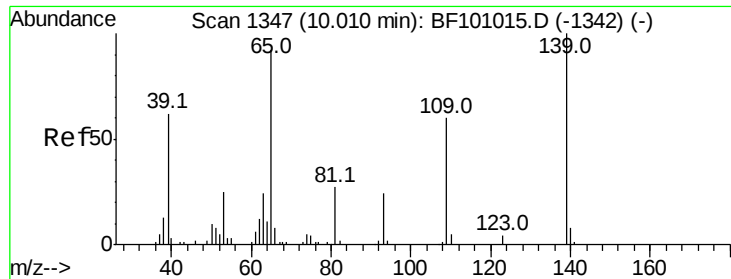


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

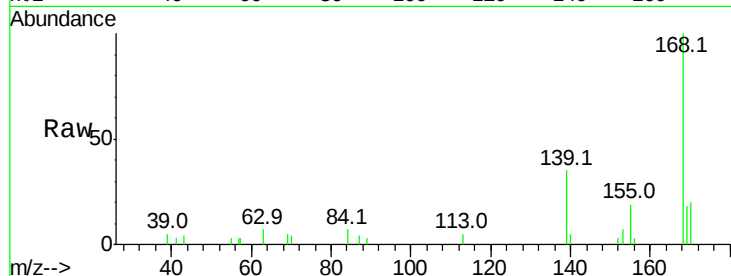




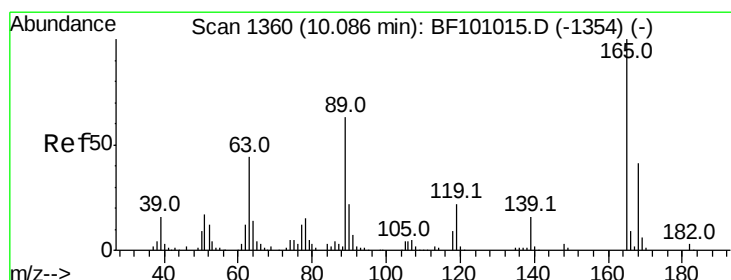
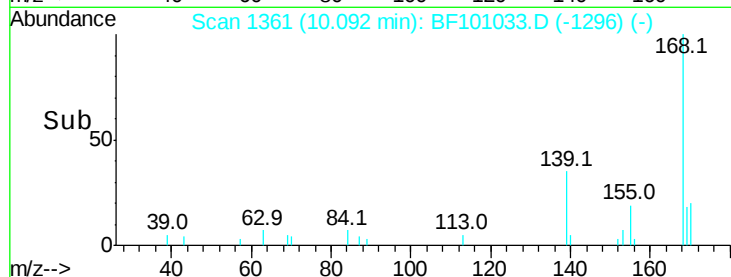
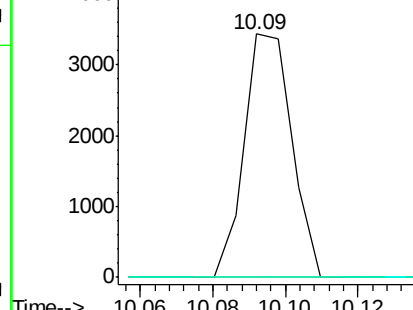
#55
4-Nitrophenol
Concen: 3.871 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



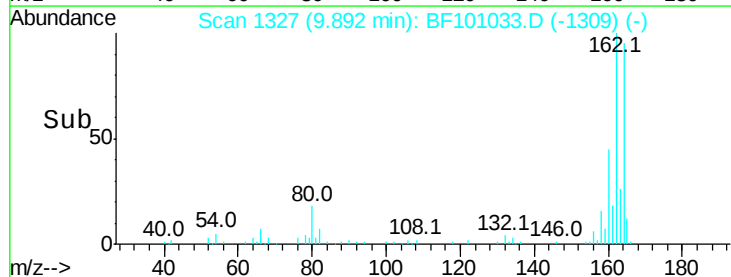
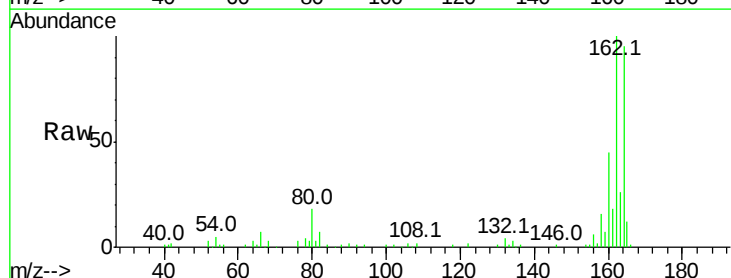
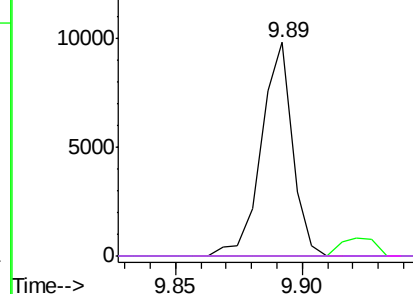
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

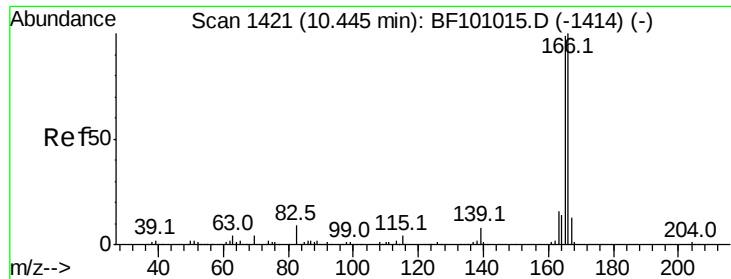


#56
2,4-Dinitrotoluene
Concen: 5.857 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt 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

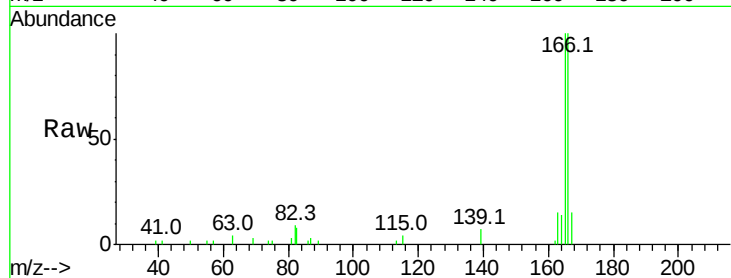




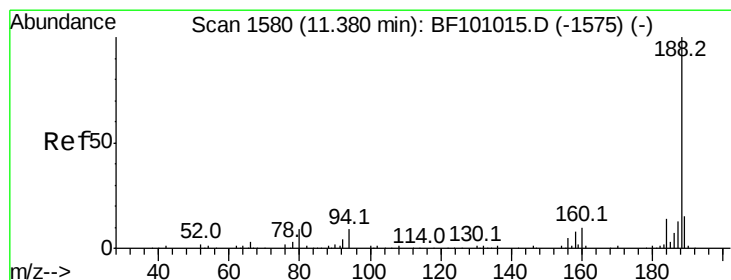
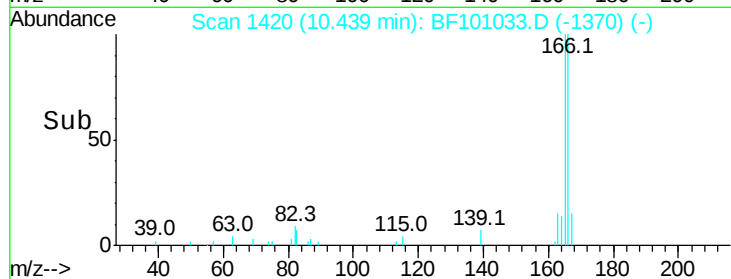
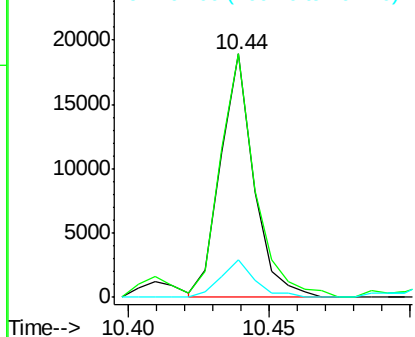
#57
Fluorene
 Concen: 3.251 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 15462
 Ion Ratio Lower Upper
 166 100
 165 100.1 79.8 119.8
 167 15.4 10.6 16.0

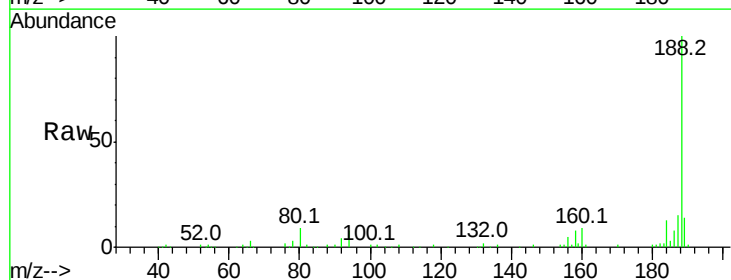


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

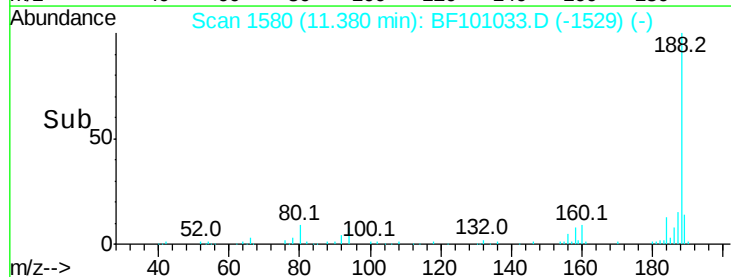
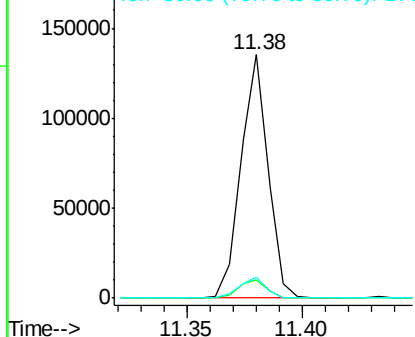


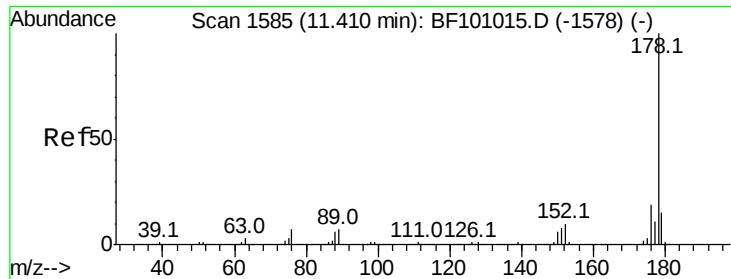
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Tgt Ion:188 Resp: 110574
 Ion Ratio Lower Upper
 188 100
 94 7.7 8.5 12.7#
 80 8.5 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

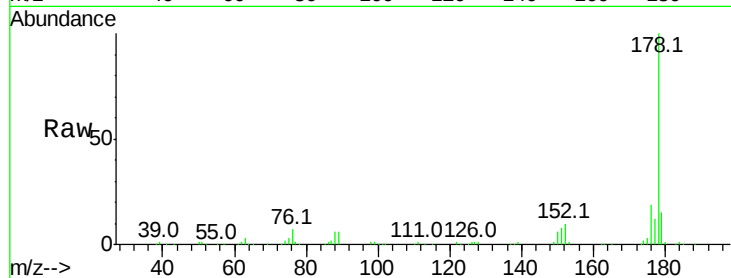




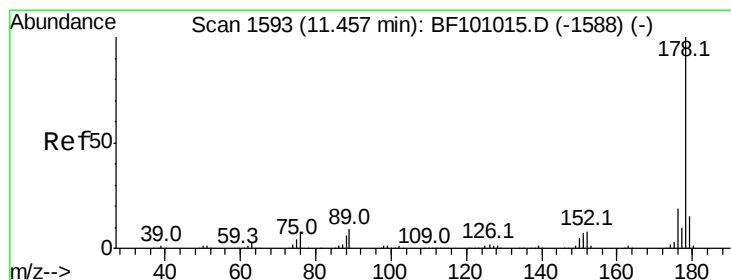
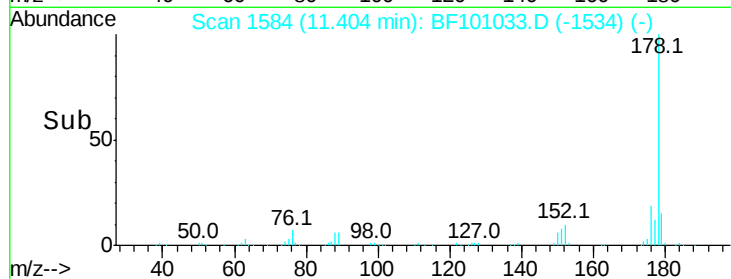
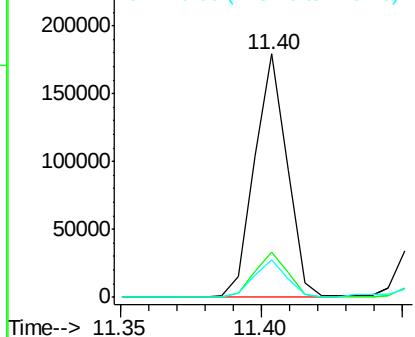
#70
Phenanthrene
Concen: 23.518 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 143208
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.2 13.0 19.6

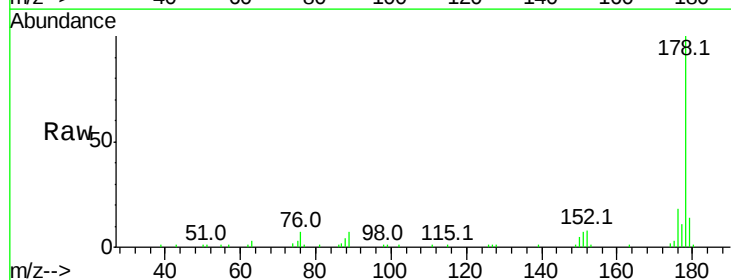


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

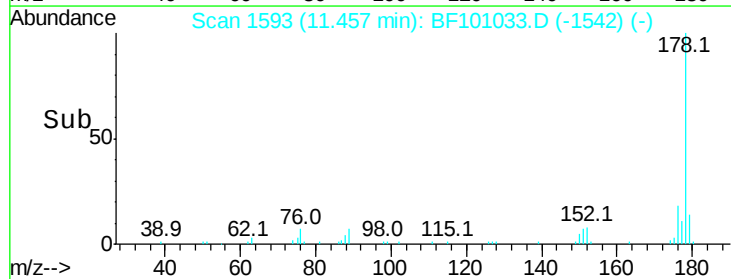
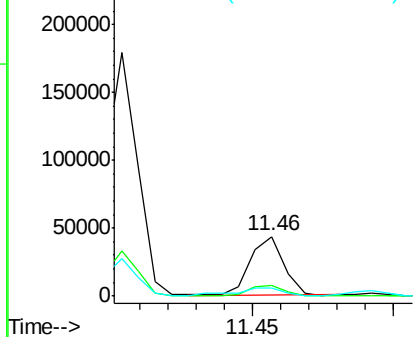


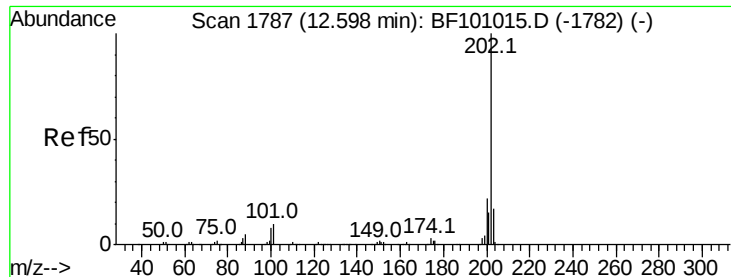
#71
Anthracene
Concen: 5.841 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion:178 Resp: 35995
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.0 12.6 19.0



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





#74

Fluoranthene

Concen: 35.057 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

ClientSampleId :

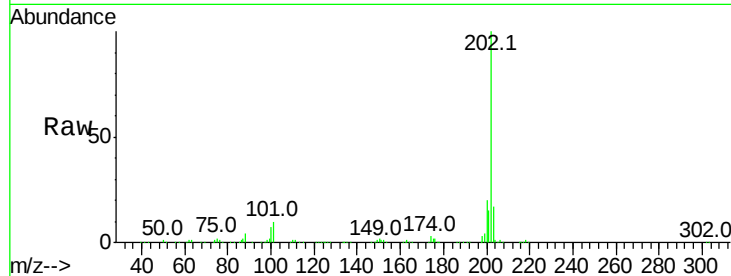
Tot Ion:202 Resp: 236630

Ion Ratio Lower Upper

202 100

101 9.6 0.0 34.1

203 17.2 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

300000

200000

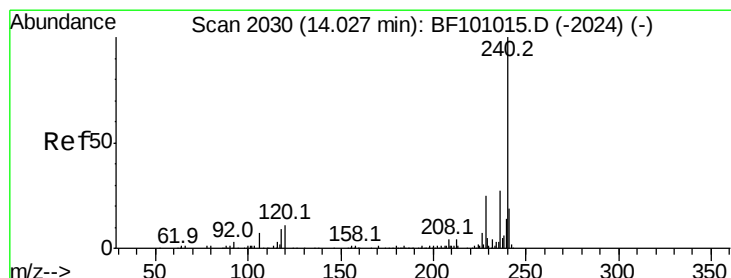
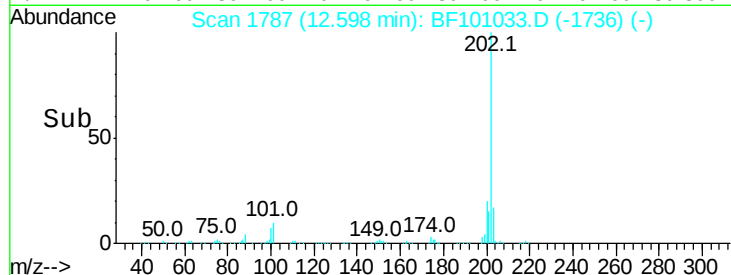
100000

0

12.55

12.60

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

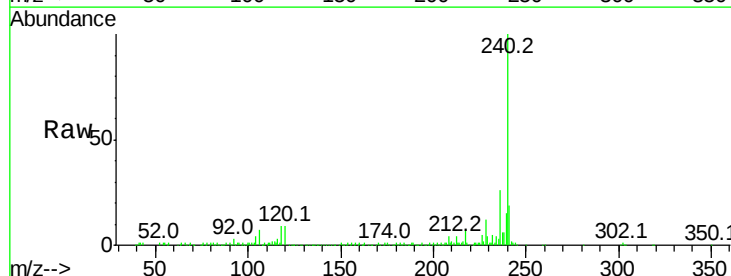
Tgt Ion:240 Resp: 125818

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

236 25.6 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

200000

150000

100000

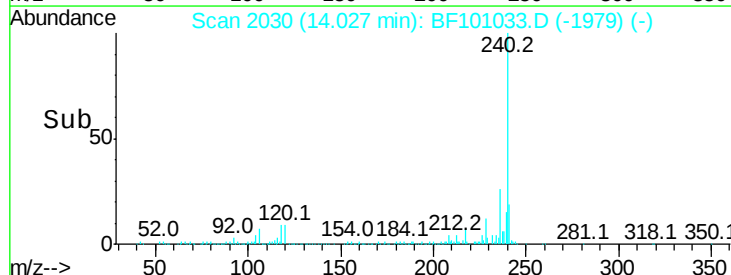
50000

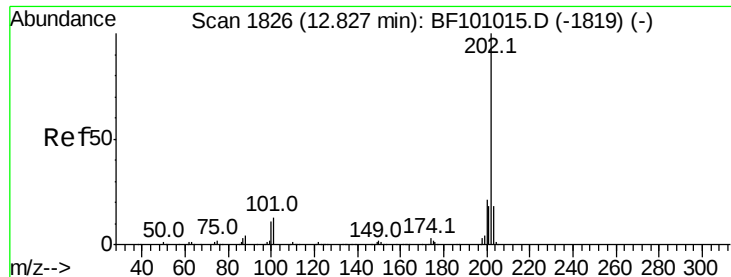
0

14.00

14.10

Time-->





#77

Pvrene

Concen: 25.528 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

ClientSampleId :

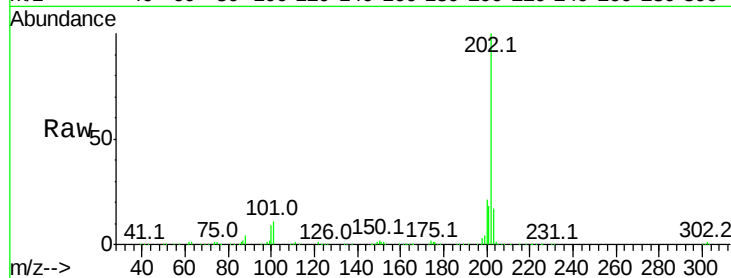
Tot Ion:202 Resp: 221627

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

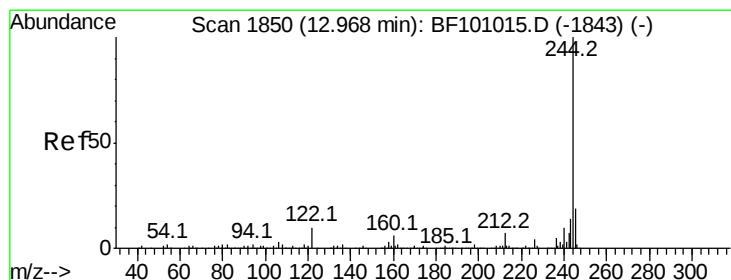
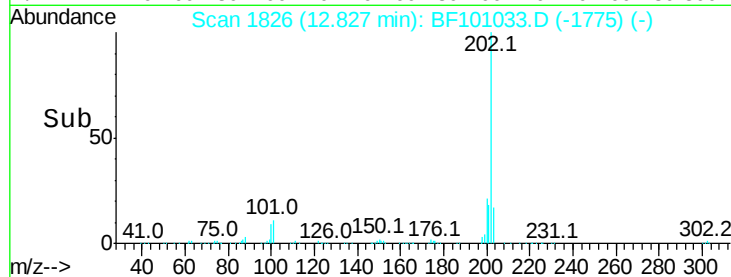
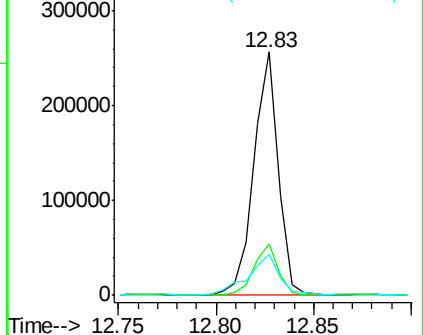
203 17.2 14.3 21.5



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: 12.525 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

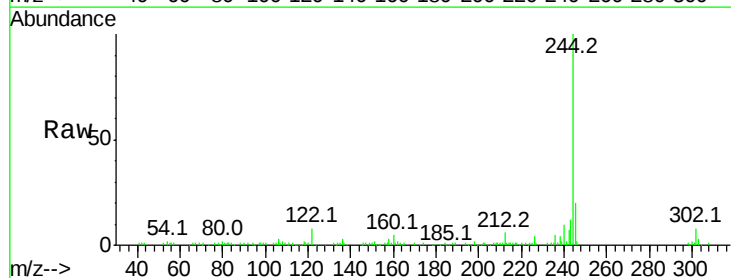
Tgt Ion:244 Resp: 72045

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

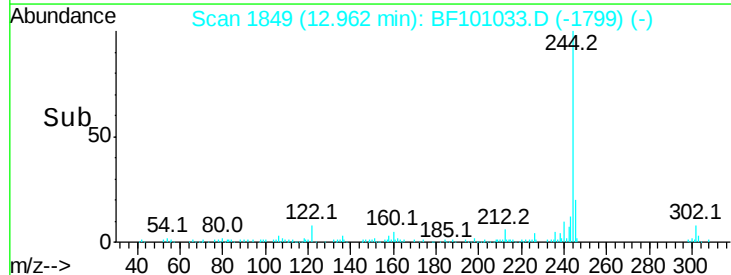
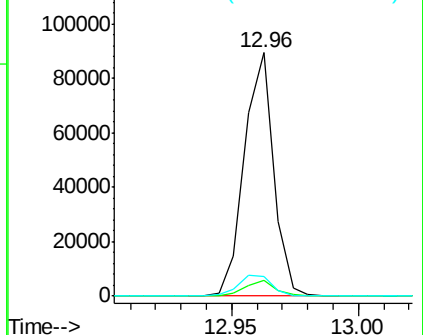
122 8.2 11.0 16.4#

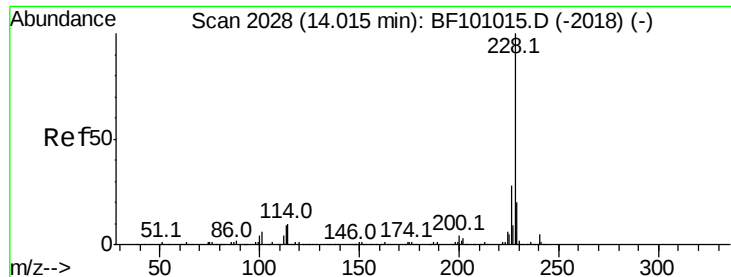


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.653 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

ClientSampleId :

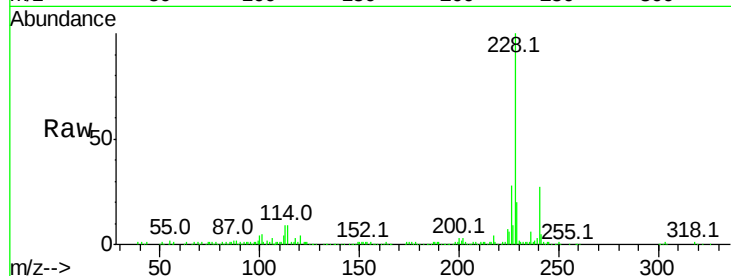
Tot Ion:228 Resp: 116405

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

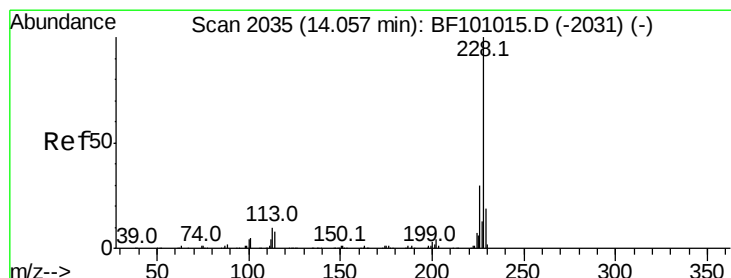
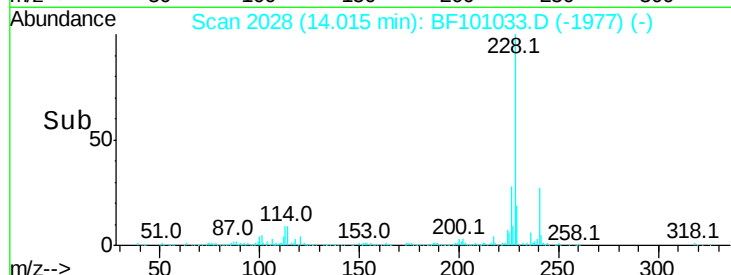
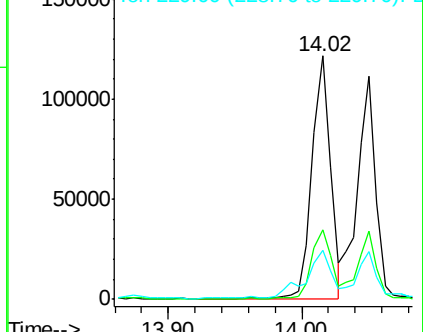
229 20.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 13.369 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

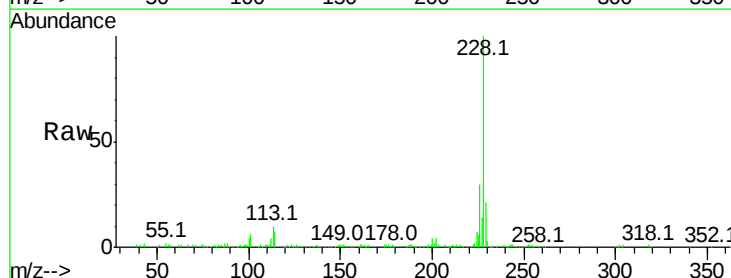
Tgt Ion:228 Resp: 98629

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

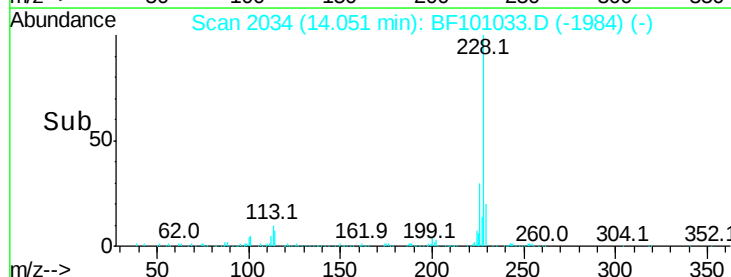
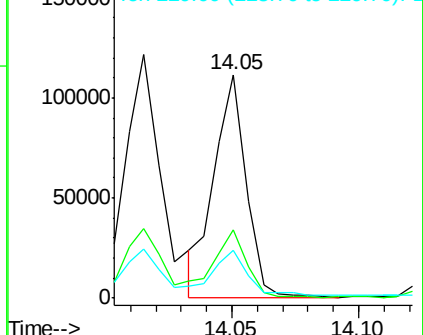
229 21.1 16.2 24.4

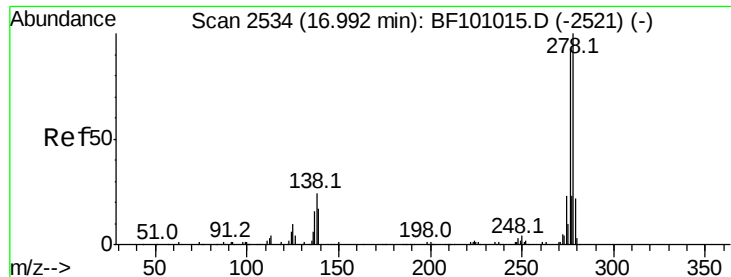


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

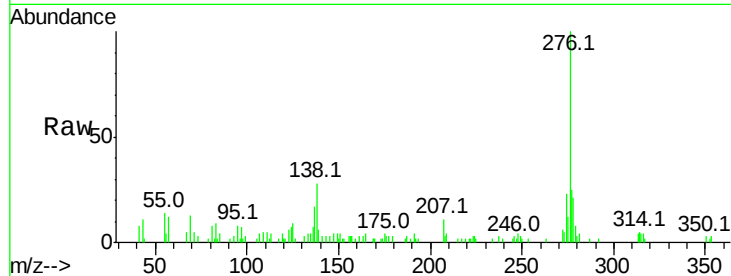




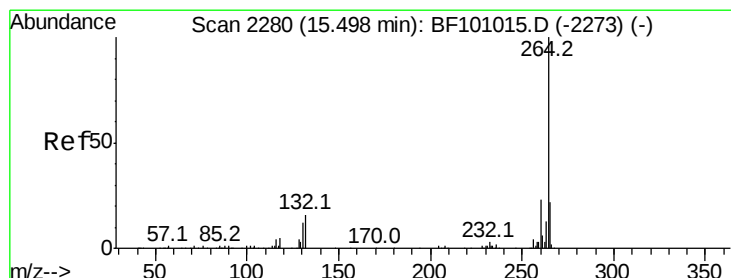
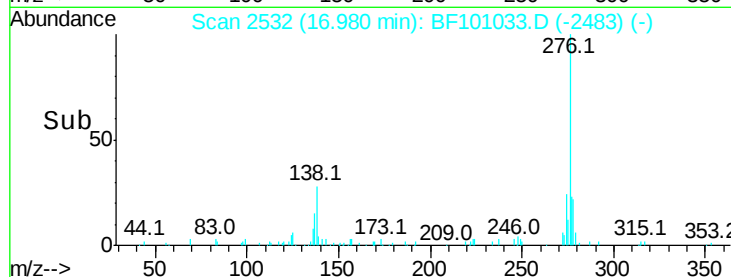
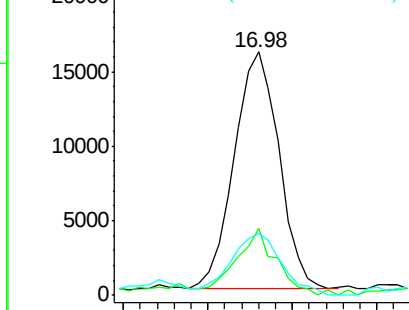
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.434 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 29082
Ion Ratio Lower Upper
276 100
138 25.6 25.0 37.6
277 29.7 20.1 30.1

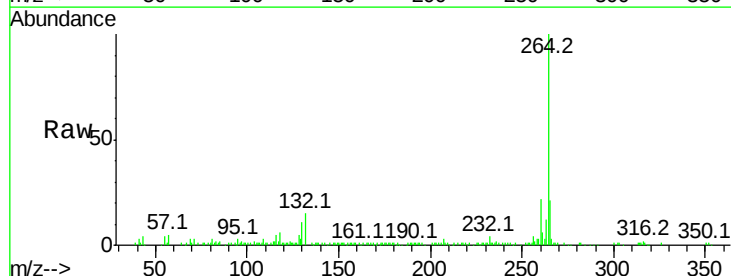


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

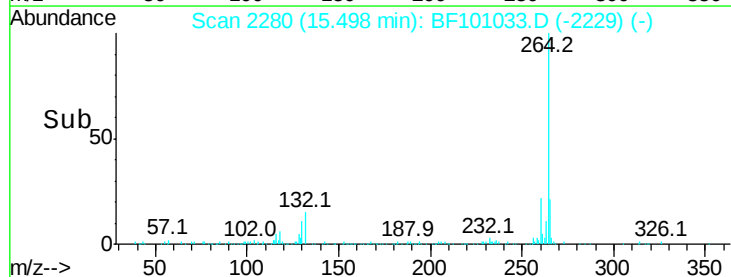
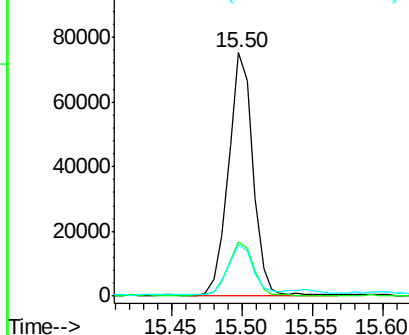


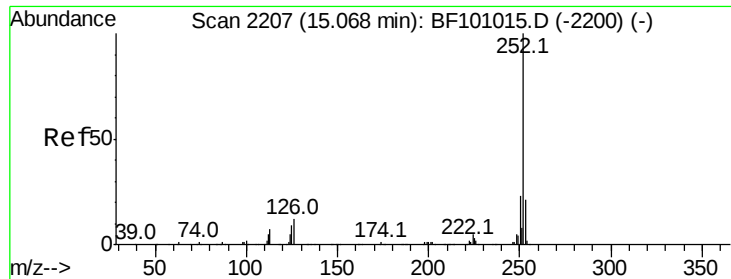
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion:264 Resp: 91580
Ion Ratio Lower Upper
264 100
260 22.4 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

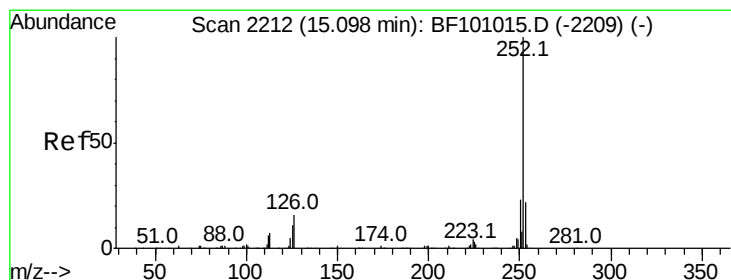
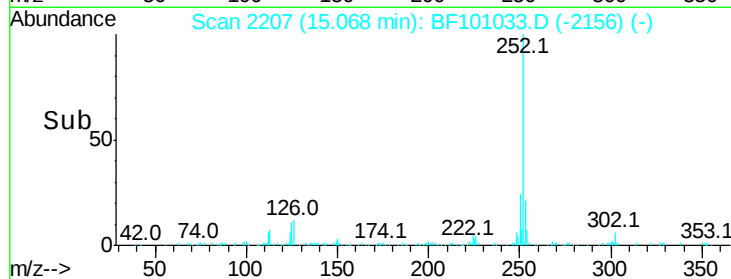
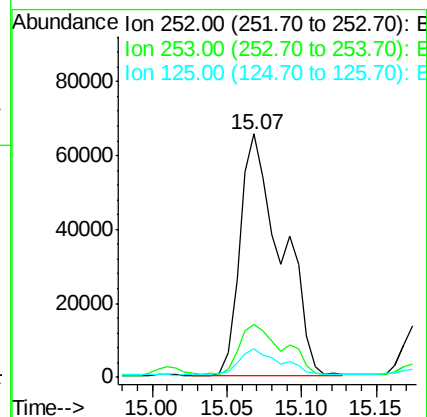
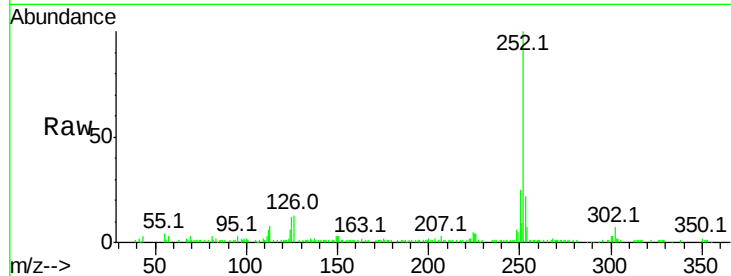




#87
Benzo(b)fluoranthene
Concen: 23.163 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

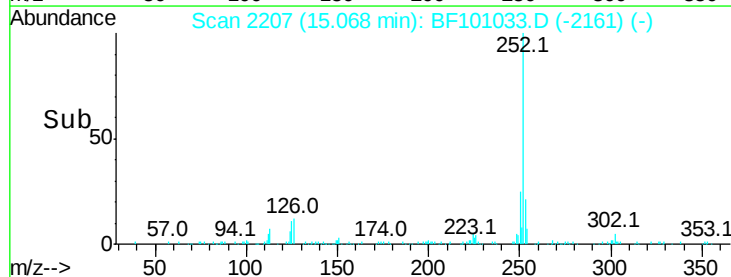
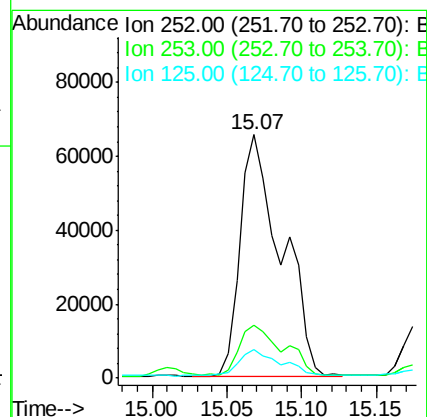
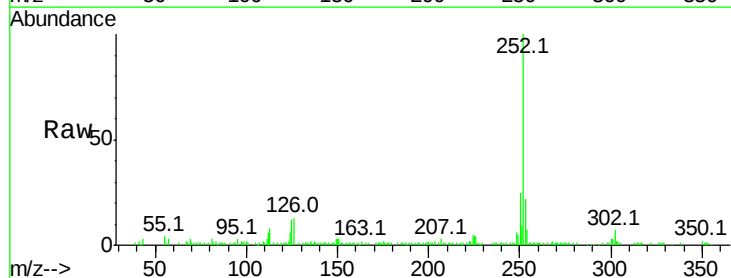
Instrument :
BNA_F
ClientSampleId :

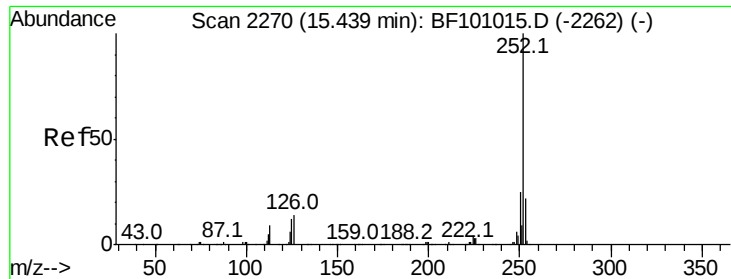
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	11.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 23.510 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	11.6	10.2	15.2

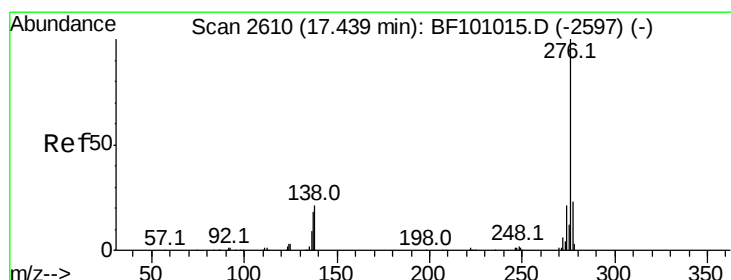
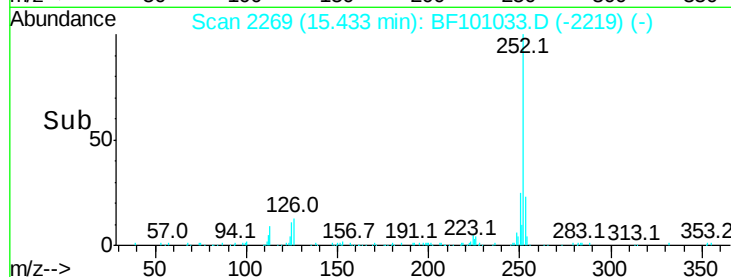
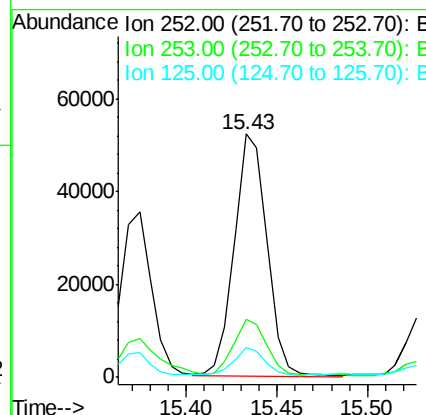
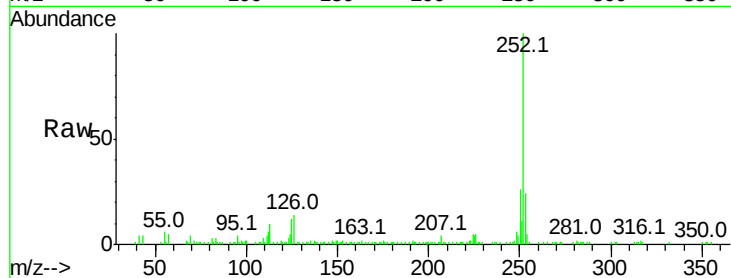




#89
Benzo(a)pyrene
Concen: 13.276 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	12.3	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 7.292 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	18.5	21.8	32.8

