

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100103.D
 Acq On : 2 Nov 2017 23:33
 Operator : SJ/JU
 Sample : I6216-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 02:33:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	94678	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	377189	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	166800	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	263611	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	164228	20.00	ng	-0.03
86) Perylene-d12	15.41	264	165276	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	428924	71.12	ng	0.00
7) Phenol-d6	6.42	99	516563	72.24	ng	-0.01
23) Nitrobenzene-d5	7.34	82	281849	48.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	106135	69.82	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	526938	48.74	ng	-0.01
78) Terphenyl-d14	12.88	244	359534	47.84	ng	-0.02

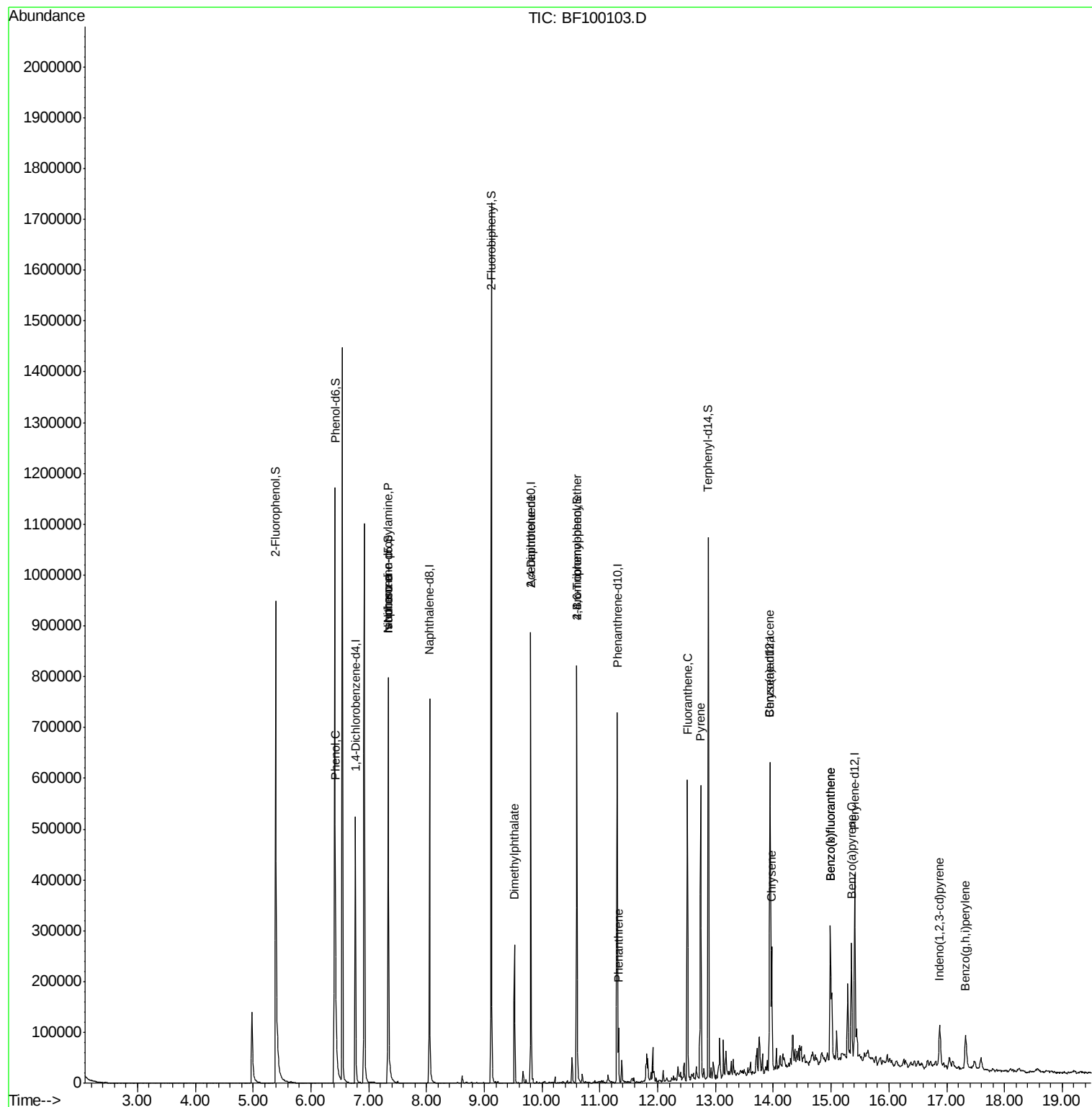
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.43	94	20276	2.583	ng	81
19) n-Nitroso-di-n-propylamine	7.34	70	34358	8.199	ng	# 73
25) Isophorone	7.34	82	281849	26.512	ng	# 64
49) Dimethylphthalate	9.52	163	113396	8.585	ng	100
56) 2,4-Dinitrotoluene	9.80	165	21180	6.333	ng	# 21
66) 4-Bromophenyl-phenylether	10.60	248	6491	2.339	ng	# 1
70) Phenanthrene	11.32	178	42001	2.823	ng	98
74) Fluoranthene	12.52	202	230655	14.919	ng	97
77) Pyrene	12.74	202	222564	17.823	ng	98
80) Benzo(a)anthracene	13.94	228	117360	11.273	ng	99
82) Chrysene	13.97	228	82218	8.400	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	54543	6.070	ng	97
87) Benzo(b)fluoranthene	14.99	252	182282	17.466	ng	# 96
88) Benzo(k)fluoranthene	14.99	252	182282	18.522	ng	99
89) Benzo(a)pyrene	15.35	252	102236	10.905	ng	97
91) Benzo(g,h,i)perylene	17.33	276	47212	5.793	ng	92

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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 03 02:33:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 18:13:08 2017
Response via : Initial Calibration



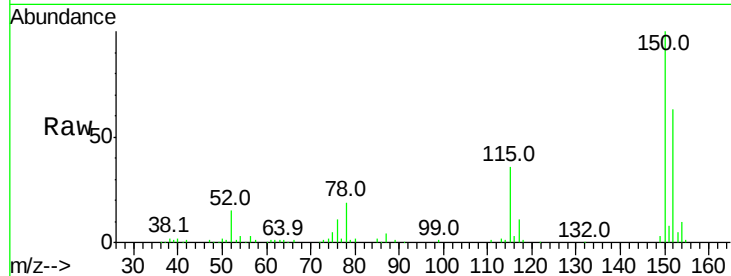


#1

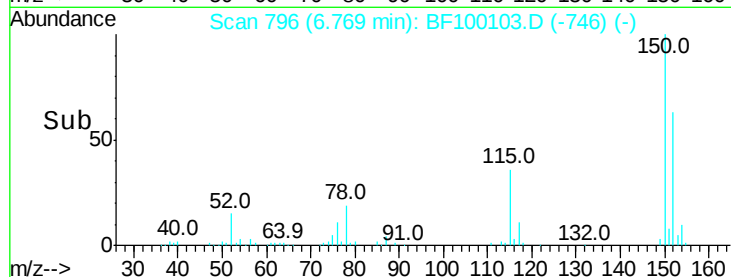
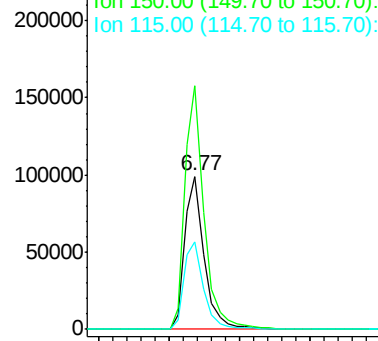
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94678
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 57.0 50.1 75.1



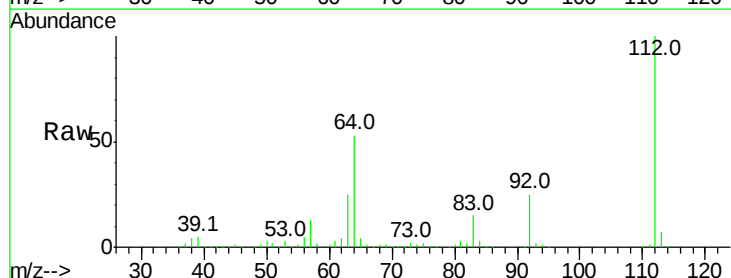
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



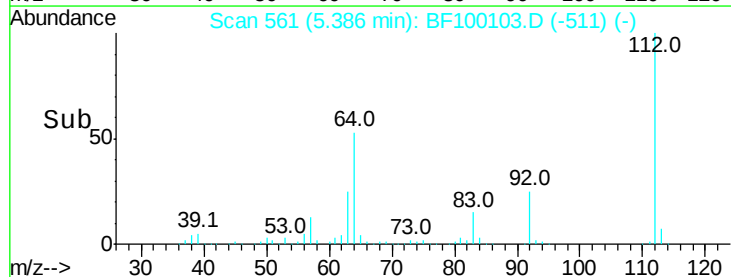
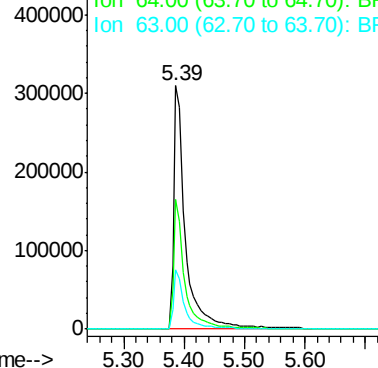
#5

2-Fluorophenol
Concen: 71.125 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Tgt Ion:112 Resp: 428924
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 24.6 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: 72.241 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100103.D

Acq: 2 Nov 2017 23:33

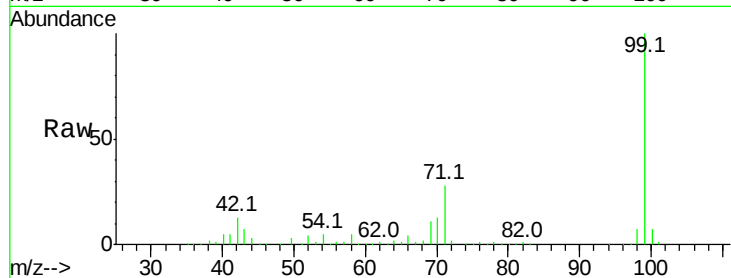
Instrument :

BNA_F

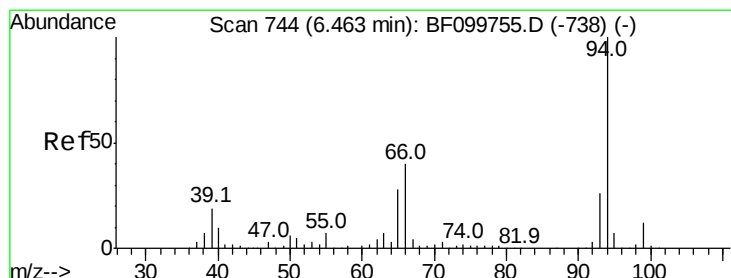
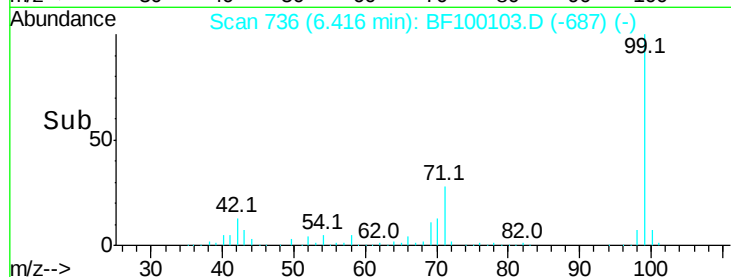
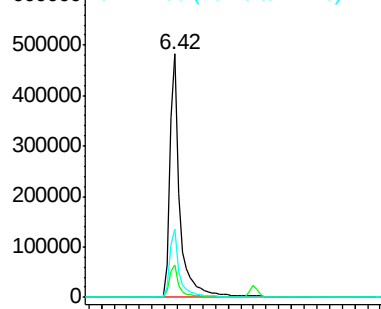
ClientSampleId :

Tot Ion: 99 Resp: 516563

Ion	Ratio	Lower	Upper
99	100		
42	13.1	14.5	21.7#
71	27.8	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



#10

Phenol

Concen: 2.583 ng

RT: 6.43 min Scan# 738

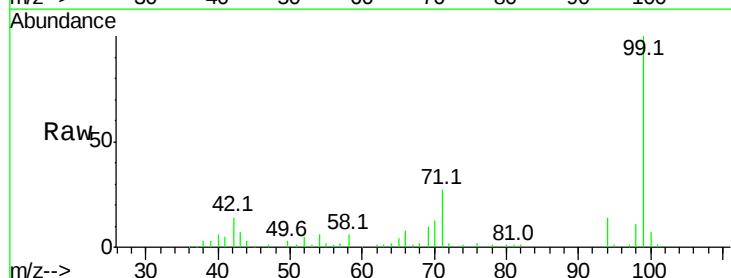
Delta R.T. -0.01 min

Lab File: BF100103.D

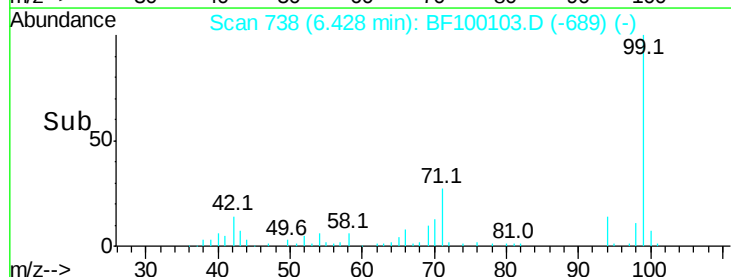
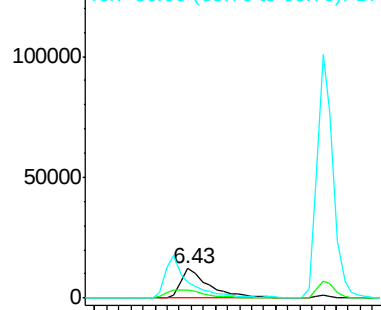
Acq: 2 Nov 2017 23:33

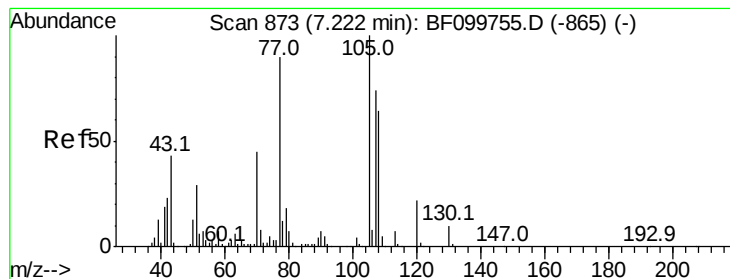
Tgt Ion: 94 Resp: 20276

Ion	Ratio	Lower	Upper
94	100		
65	29.0	7.9	47.9
66	55.0	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





#19

n-Nitroso-di-n-propylamine

Concen: 8.199 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100103.D

Acq: 2 Nov 2017 23:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 34358

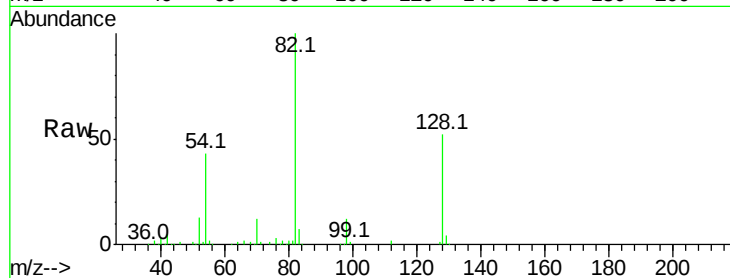
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 3.3 16.6 25.0#

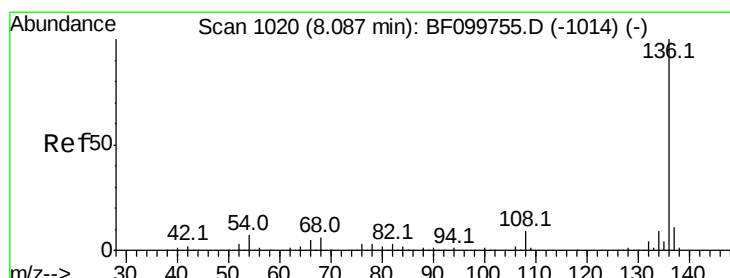
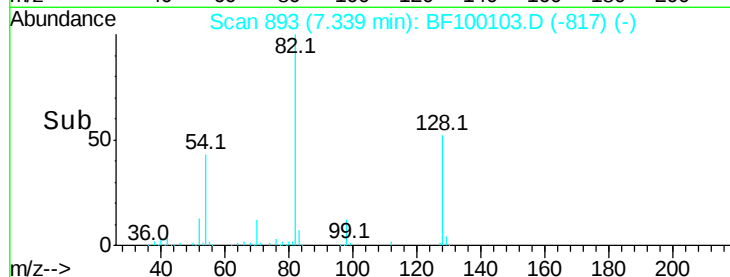
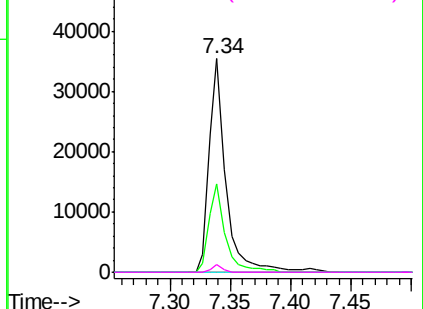


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF100103.D

Acq: 2 Nov 2017 23:33

Tgt Ion: 136 Resp: 377189

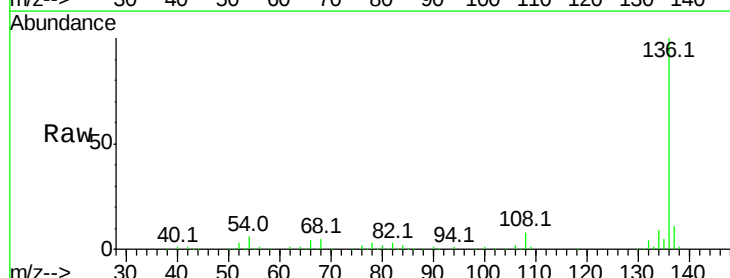
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.2 6.6 9.8#

68 5.4 5.0 7.4

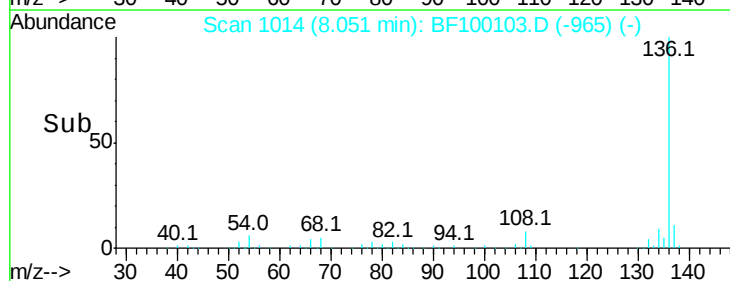
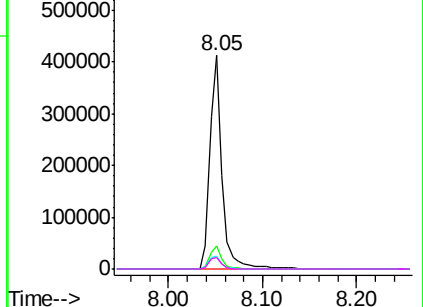


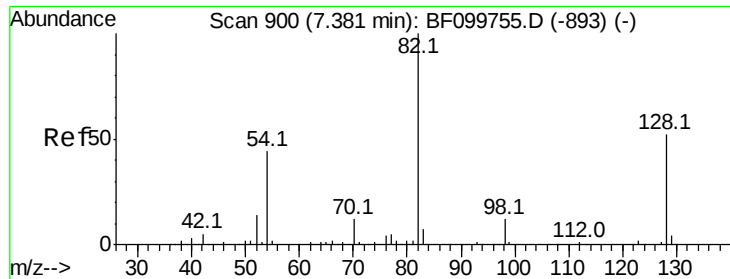
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

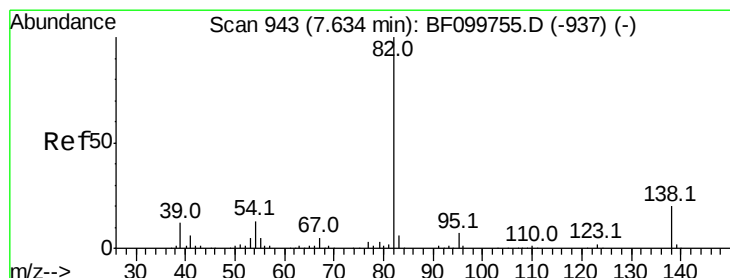
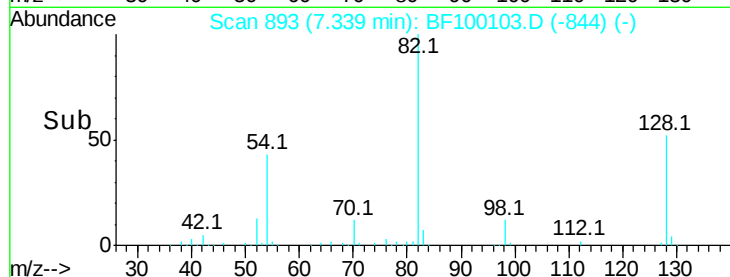
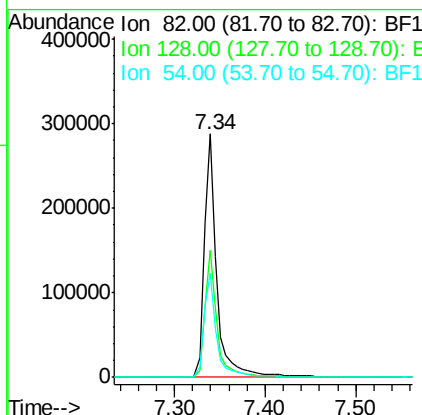
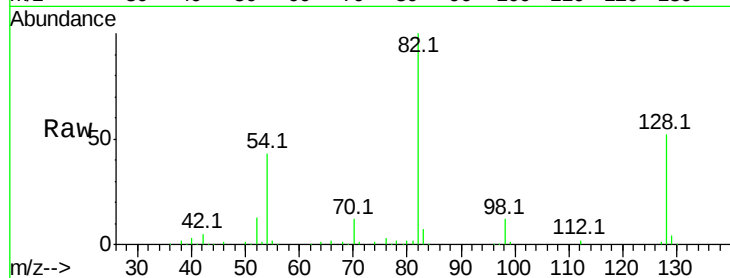




#23
Nitrobenzene-d5
Concen: 48.107 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

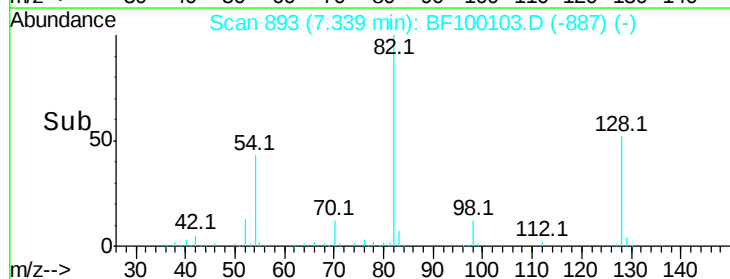
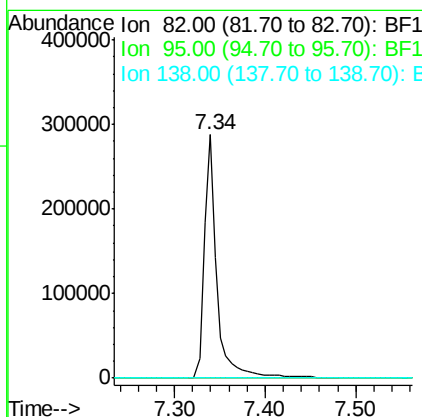
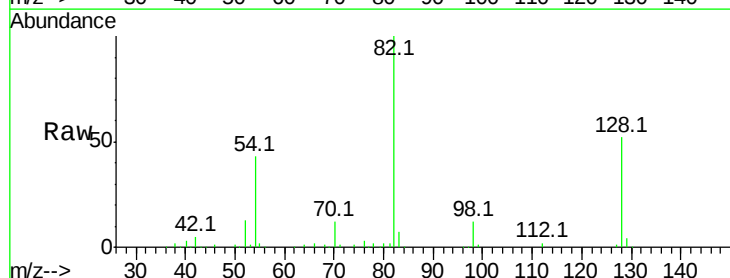
Instrument :
BNA_F
ClientSampleId :

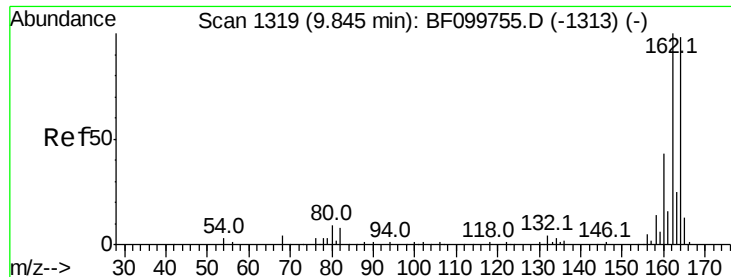
Tot Ion: 82 Resp: 281849
Ion Ratio Lower Upper
82 100
128 52.1 36.1 54.1
54 42.7 41.4 62.2



#25
Isophorone
Concen: 26.512 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.26 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Tgt Ion: 82 Resp: 281849
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

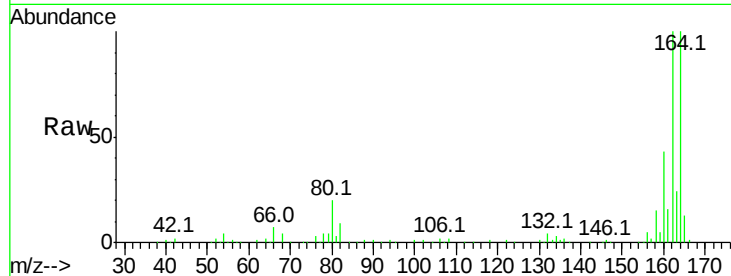




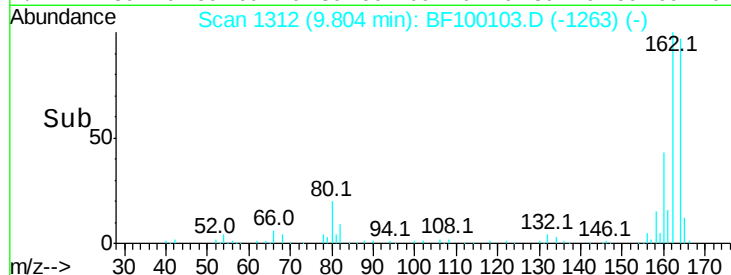
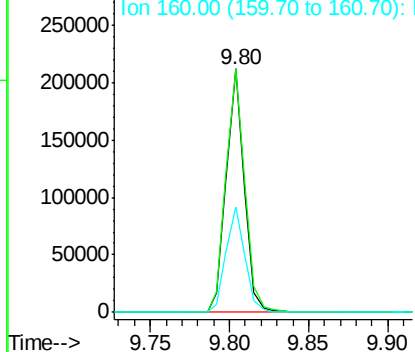
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 166800
Ion Ratio Lower Upper
164 100
162 100.0 86.1 129.1
160 43.3 38.3 57.5

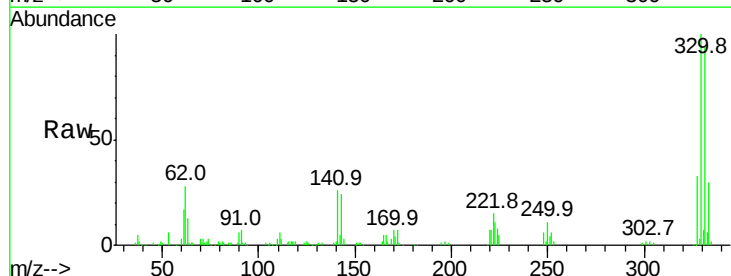


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

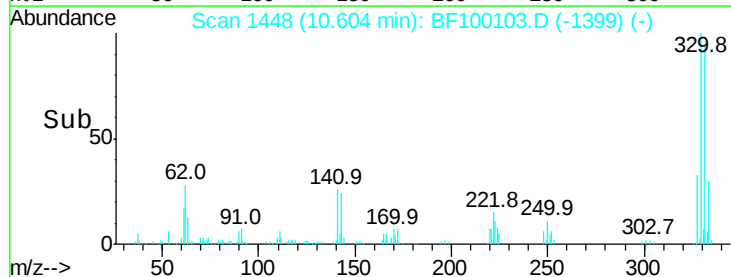
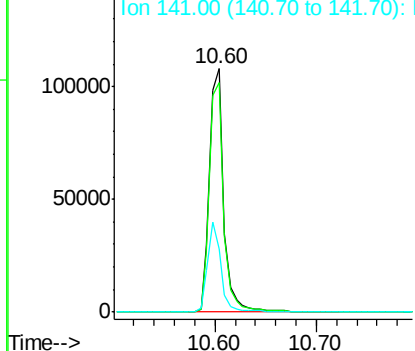


#41
2,4,6-Tribromophenol
Concen: 69.822 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Tgt Ion:330 Resp: 106135
Ion Ratio Lower Upper
330 100
332 95.2 77.0 115.6
141 34.5 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

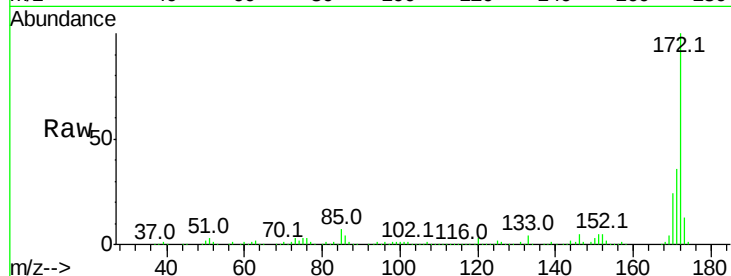




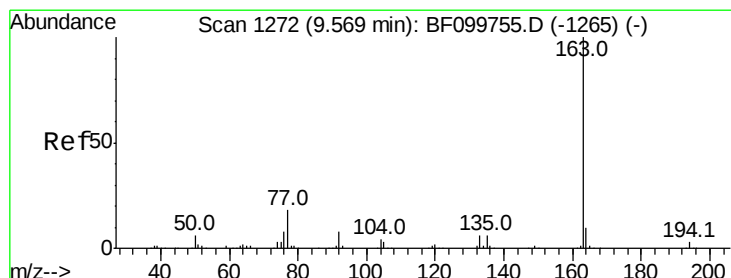
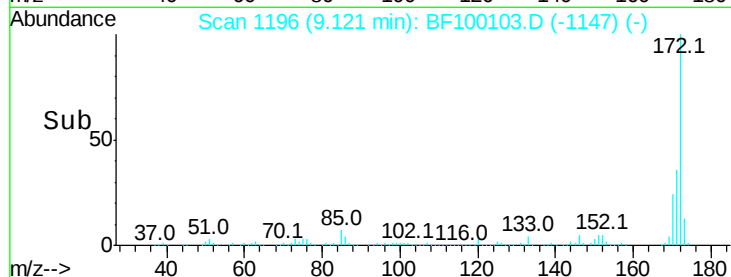
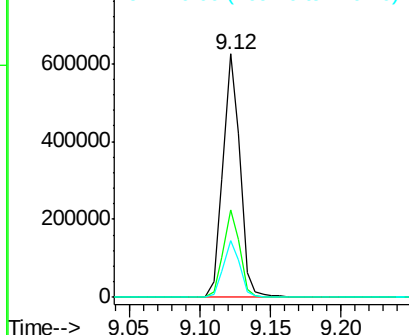
#44
2-Fluorobiphenyl
Concen: 48.740 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 526938
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.6 19.6 29.4

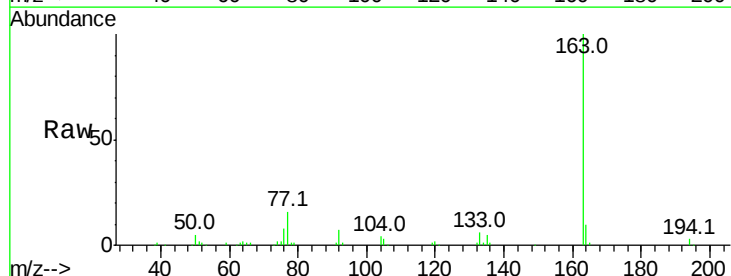


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

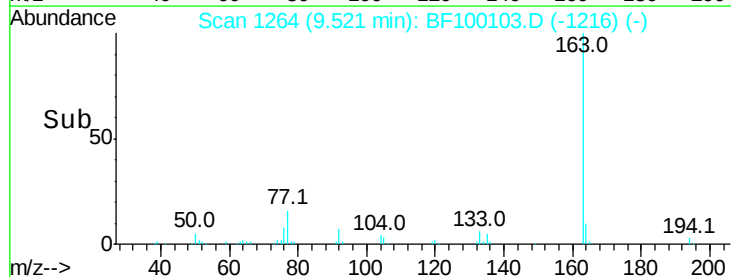
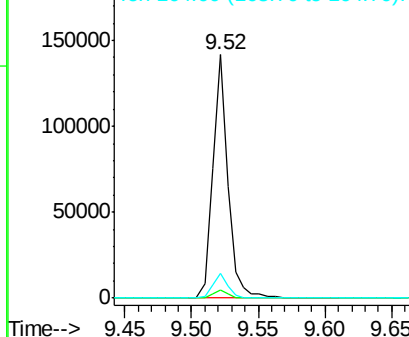


#49
Dimethylphthalate
Concen: 8.585 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Tgt Ion:163 Resp: 113396
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 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

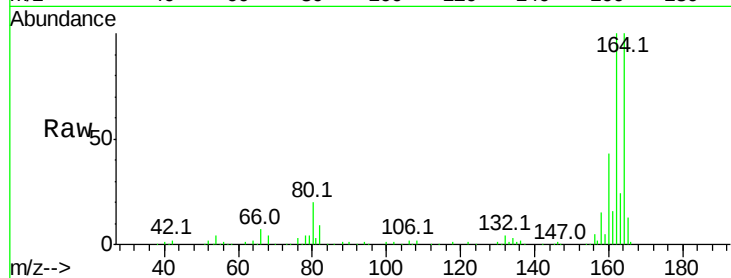




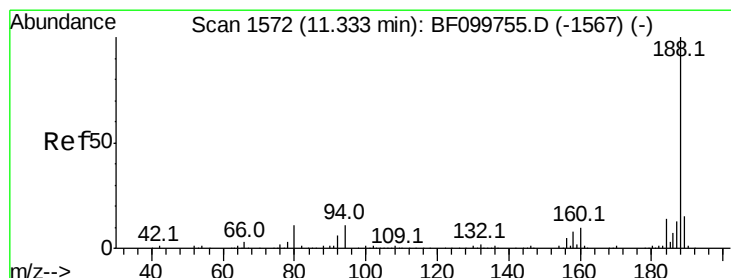
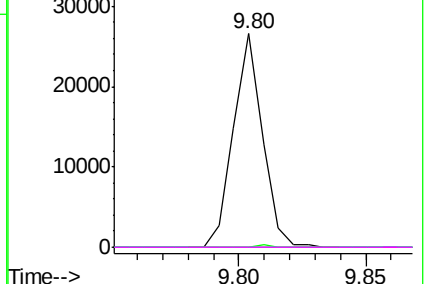
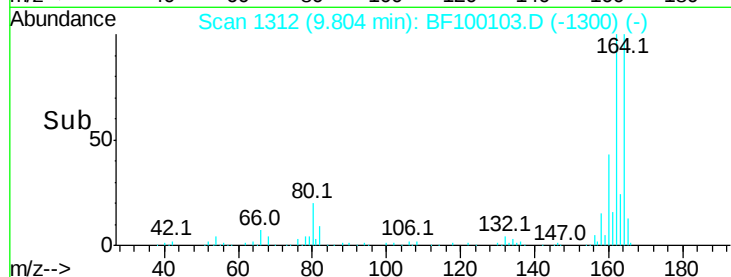
#56
 2,4-Dinitrotoluene
 Concen: 6.333 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.23 min
 Lab File: BF100103.D
 Acq: 2 Nov 2017 23:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21180
 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#

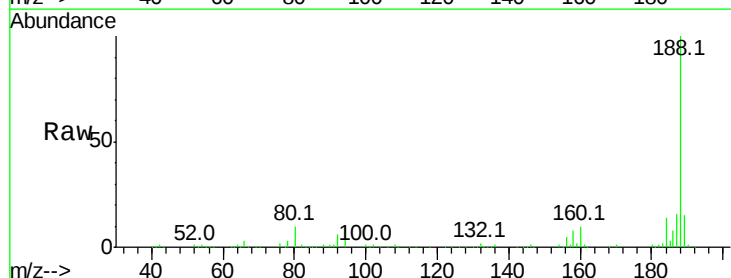


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

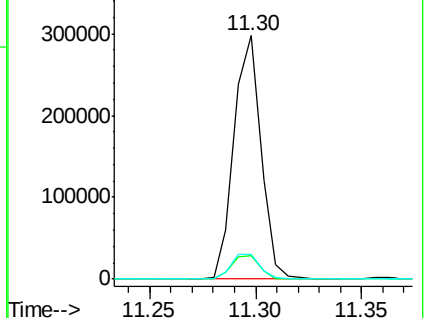
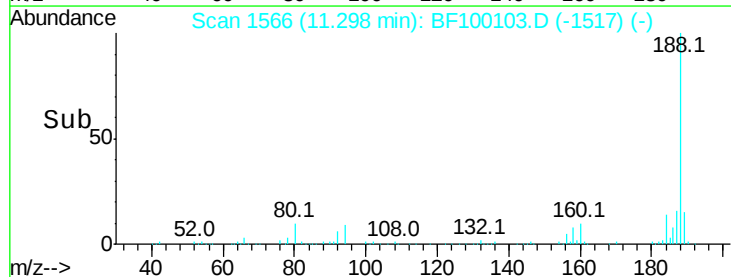


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF100103.D
 Acq: 2 Nov 2017 23:33

Tgt Ion:188 Resp: 263611
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 10.2 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

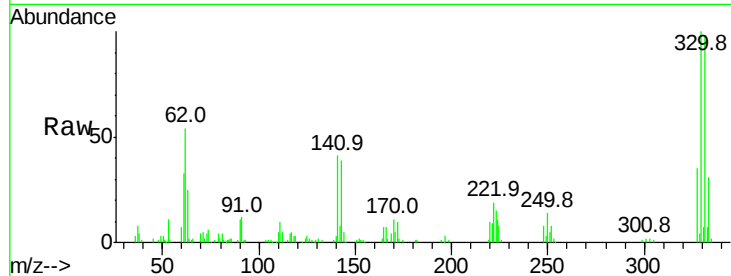




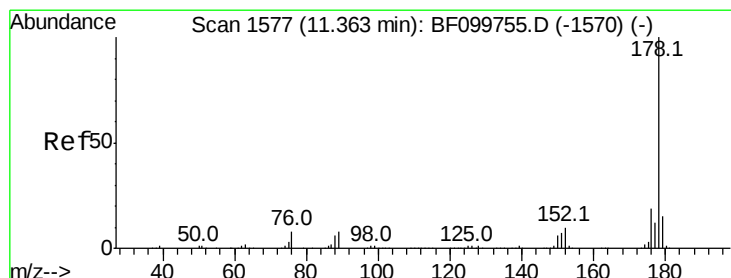
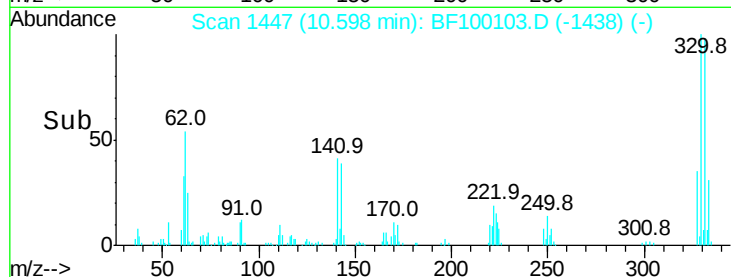
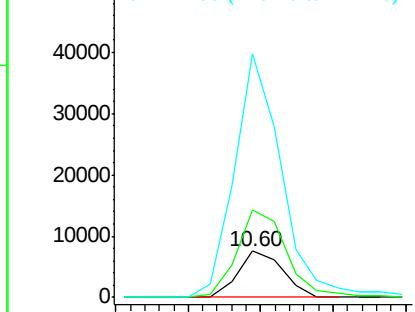
#66
 4-Bromophenyl-phenylether
 Concen: 2.339 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF100103.D
 Acq: 2 Nov 2017 23:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6491
 Ion Ratio Lower Upper
 248 100
 250 187.3 76.9 115.3#
 141 524.7 74.4 111.6#

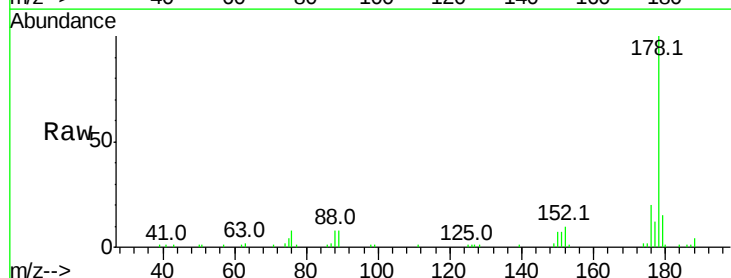


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

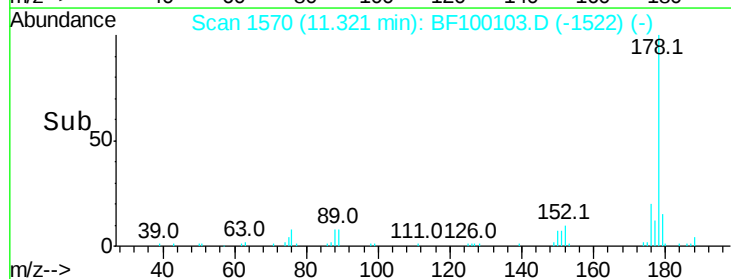
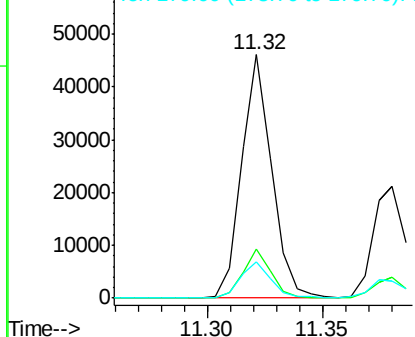


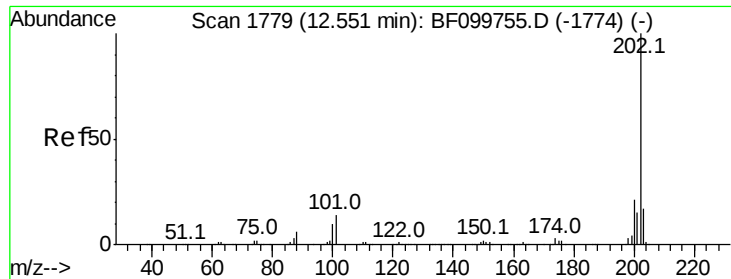
#70
 Phenanthrene
 Concen: 2.823 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF100103.D
 Acq: 2 Nov 2017 23:33

Tgt Ion:178 Resp: 42001
 Ion Ratio Lower Upper
 178 100
 176 20.2 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

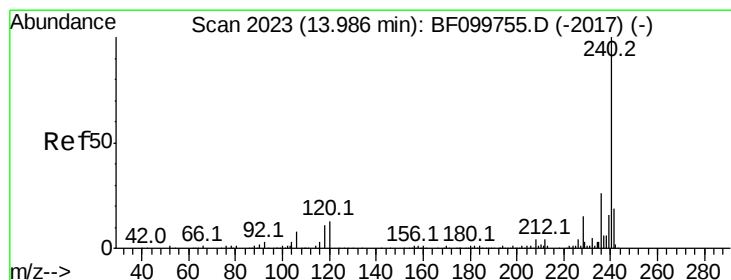
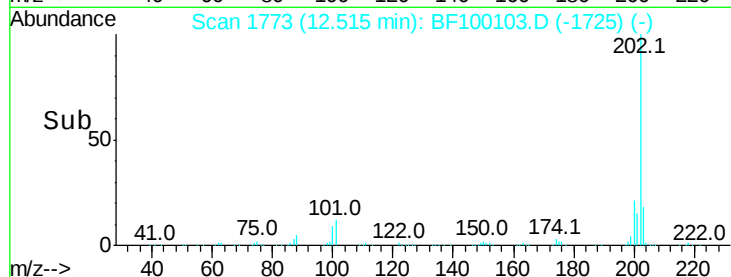
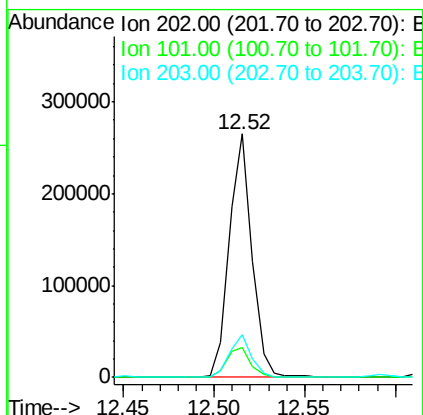
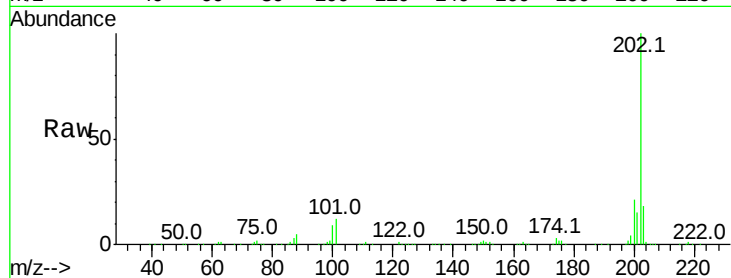




#74
 Fluoranthene
 Concen: 14.919 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF100103.D
 Acq: 2 Nov 2017 23:33

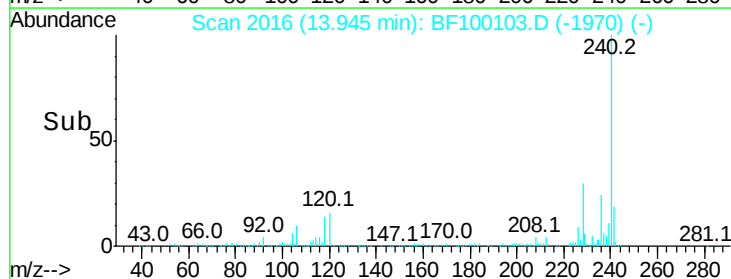
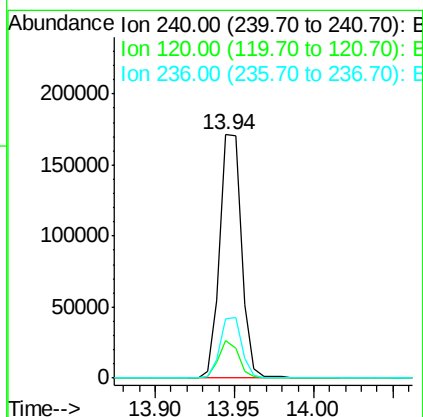
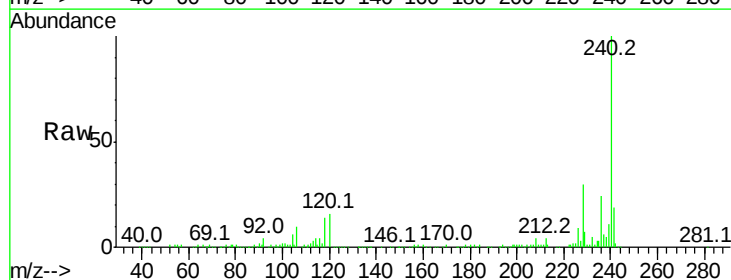
Instrument :
 BNA_F
 ClientSampleId :

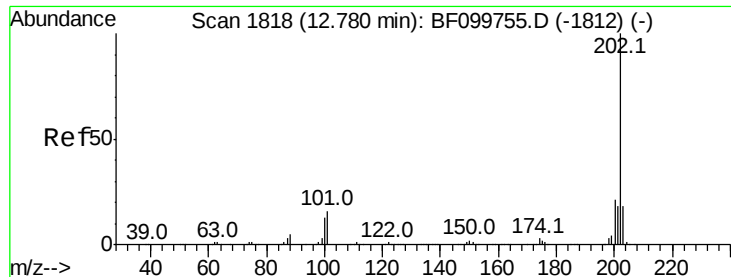
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.03 min
 Lab File: BF100103.D
 Acq: 2 Nov 2017 23:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	24.2	20.7	31.1

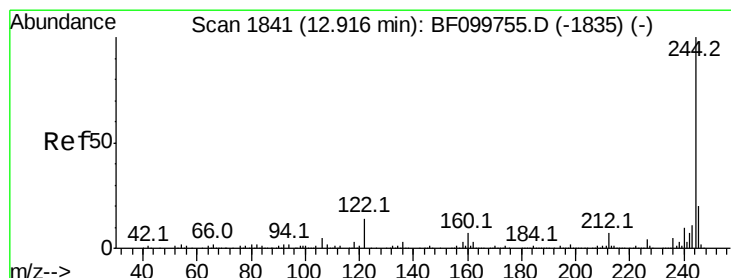
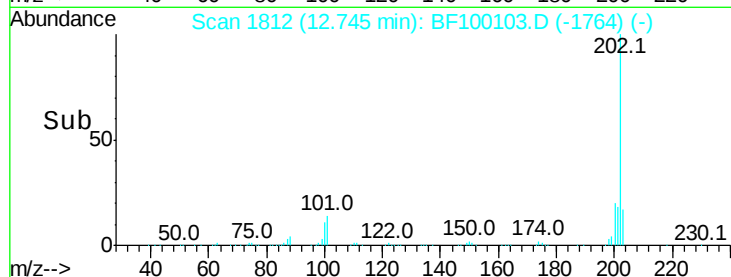
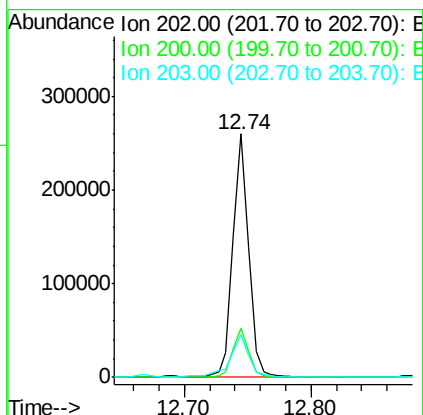
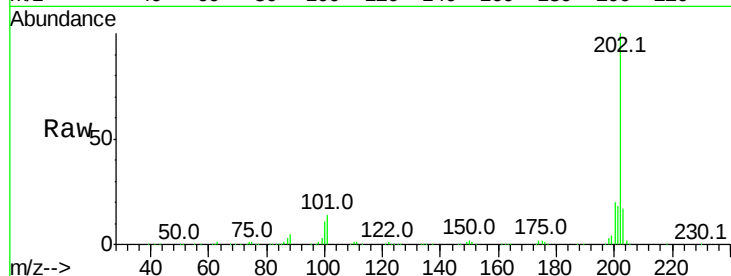




#77
Pvrene
Concen: 17.823 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

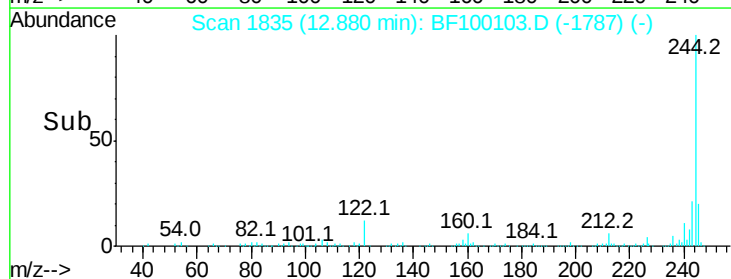
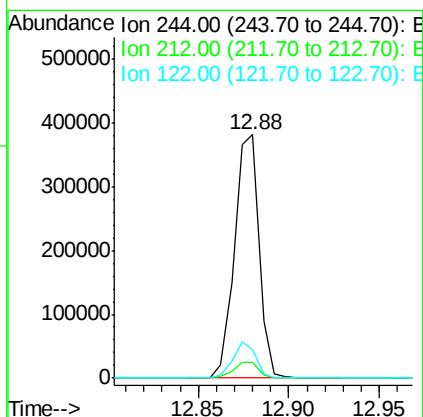
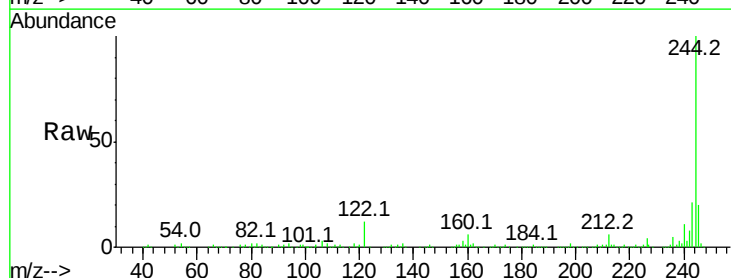
Instrument :
BNA_F
ClientSampleId :

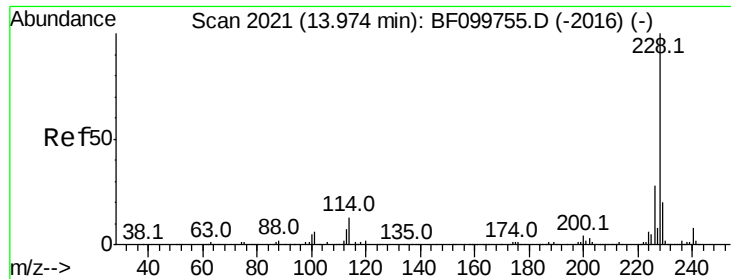
Tot Ion:202 Resp: 222564
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 17.4 14.3 21.5



#78
Terphenyl-d14
Concen: 47.843 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Tgt Ion:244 Resp: 359534
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 11.9 11.0 16.4





#80

Benzo(a)anthracene

Concen: 11.273 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF100103.D

Acq: 2 Nov 2017 23:33

Instrument :

BNA_F

ClientSampleId :

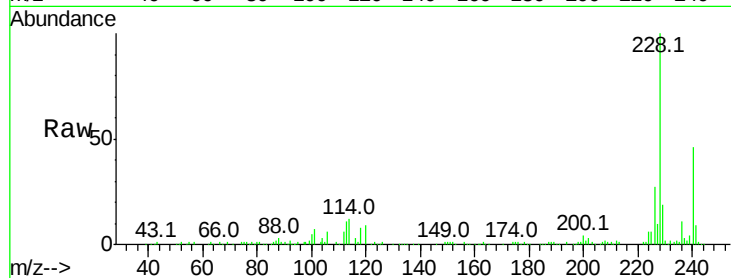
Tot Ion:228 Resp: 117360

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

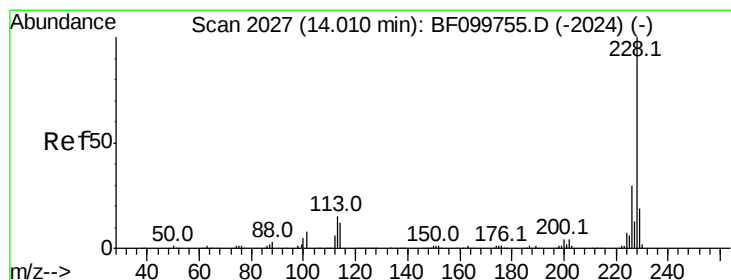
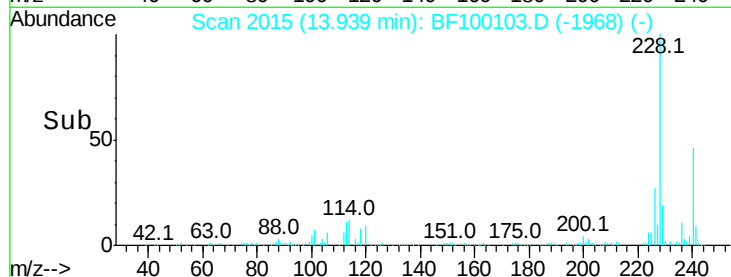
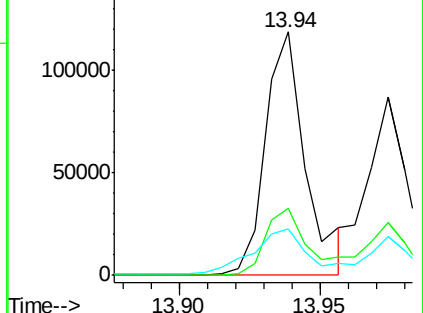
229 19.3 15.8 23.6



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: 8.400 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.03 min

Lab File: BF100103.D

Acq: 2 Nov 2017 23:33

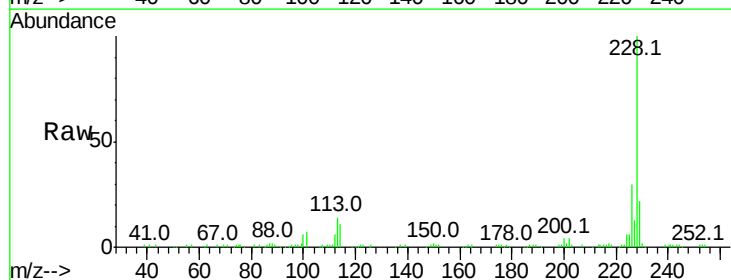
Tgt Ion:228 Resp: 82218

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

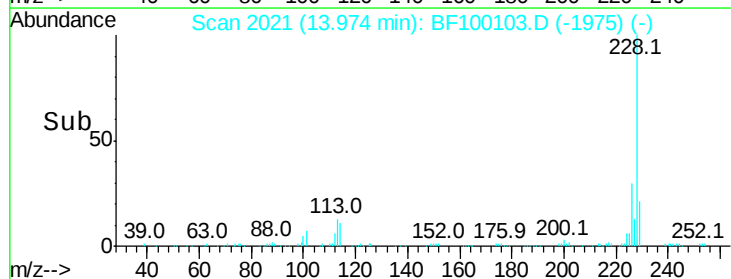
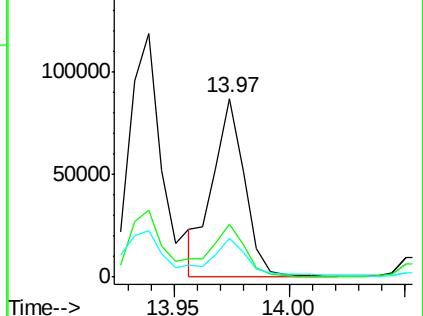
229 21.8 16.2 24.4

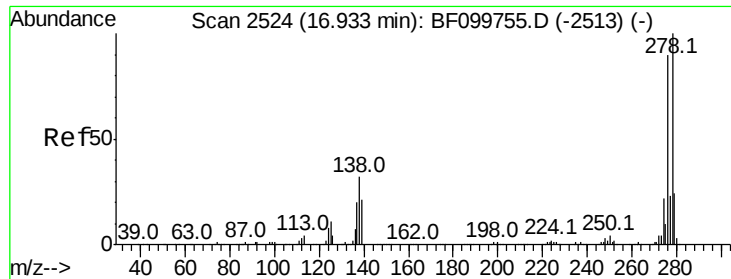


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

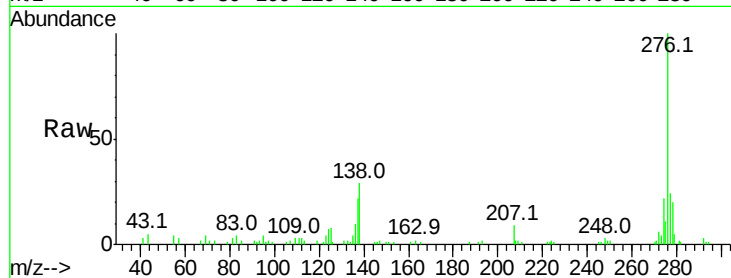




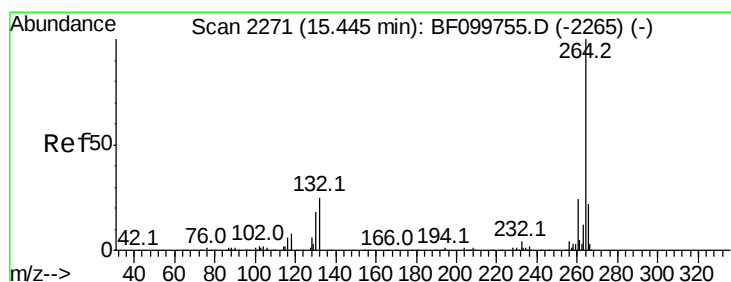
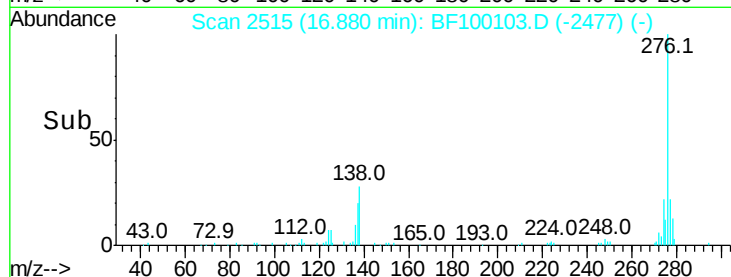
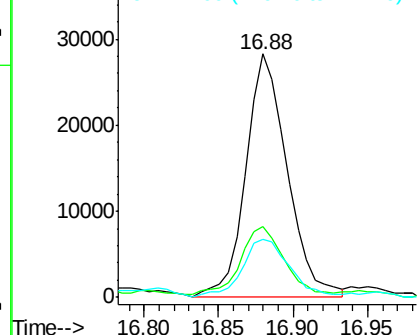
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.070 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.08 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 54543
Ion Ratio Lower Upper
276 100
138 30.1 25.0 37.6
277 27.3 20.1 30.1

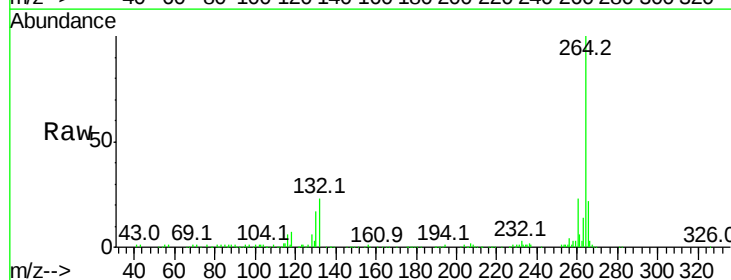


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

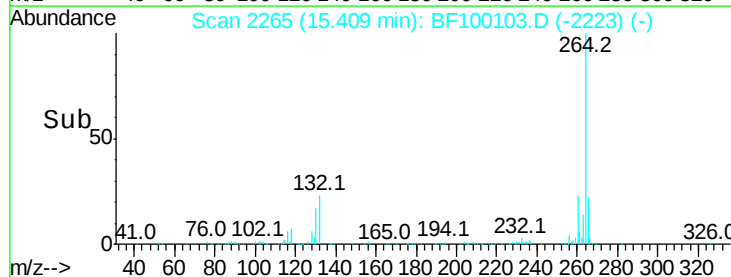
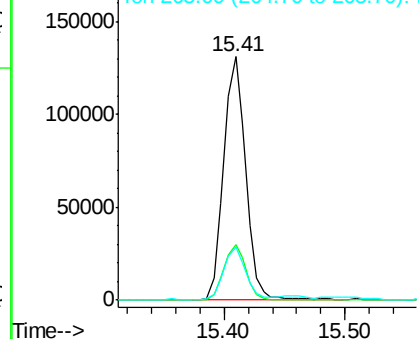


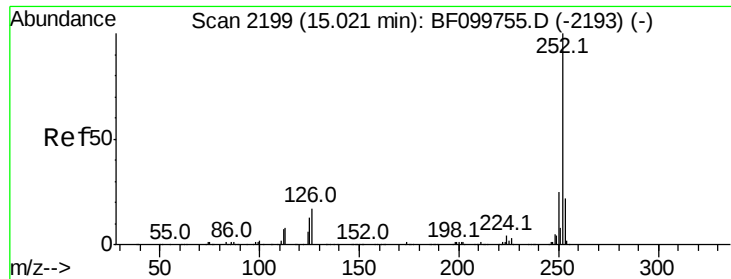
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Tgt Ion:264 Resp: 165276
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 22.0 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

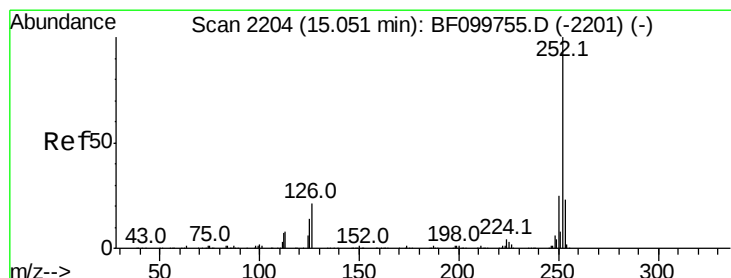
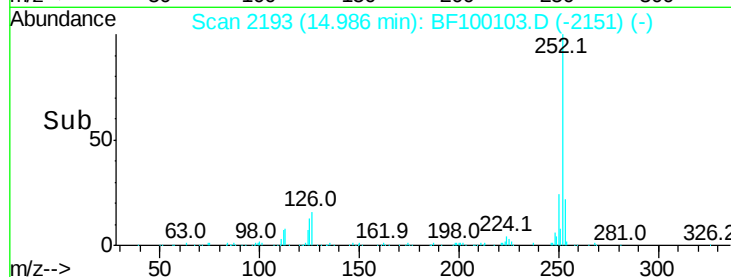
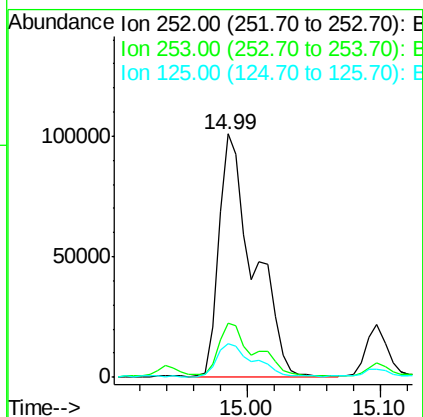
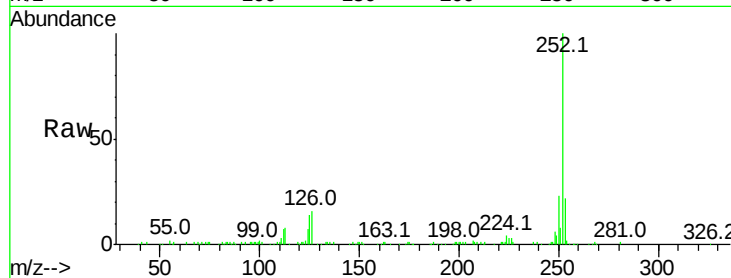




#87
Benzo(b)fluoranthene
Concen: 17.466 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.05 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

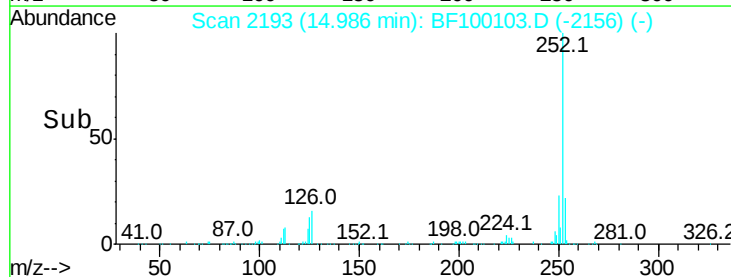
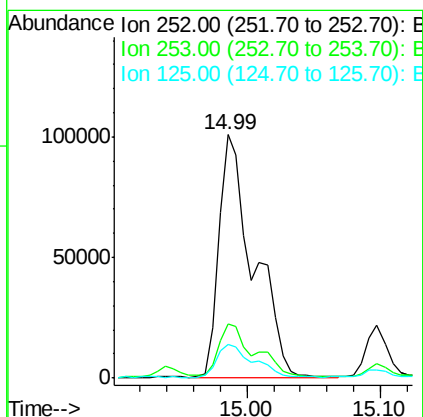
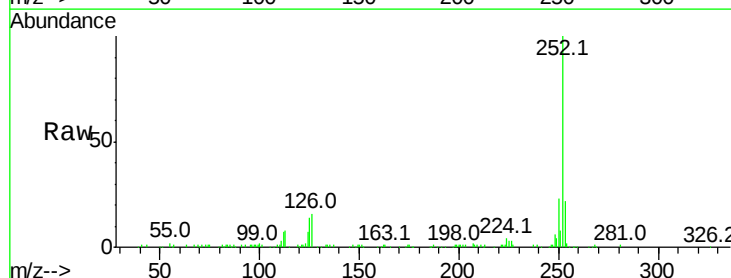
Instrument :
BNA_F
ClientSampleId :

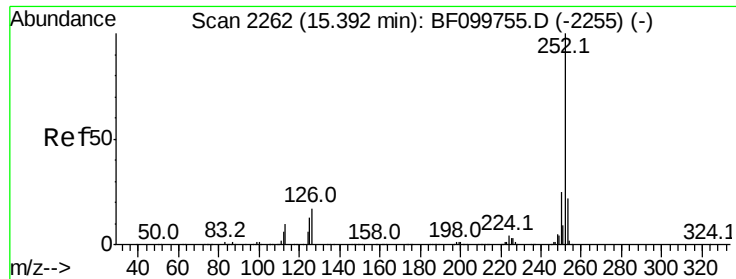
Tot Ion:252 Resp: 182282
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 13.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 18.522 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.08 min
Lab File: BF100103.D
Acq: 2 Nov 2017 23:33

Tgt Ion:252 Resp: 182282
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 13.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 10.905 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.06 min

Lab File: BF100103.D

Acq: 2 Nov 2017 23:33

Instrument :

BNA_F

ClientSampled :

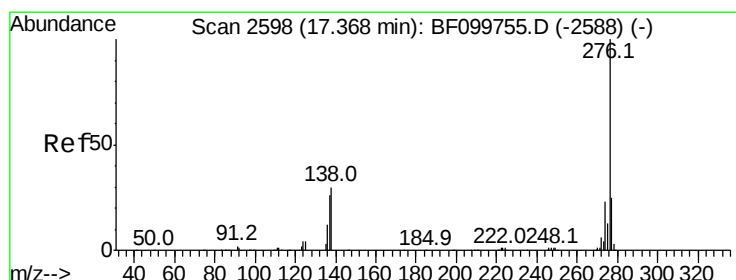
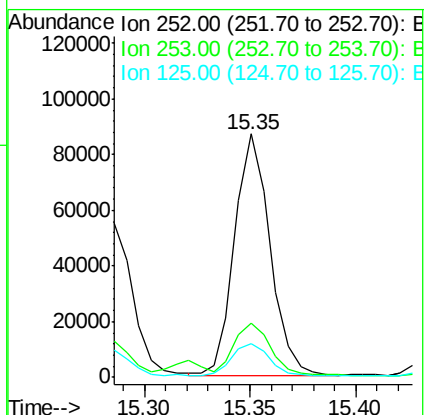
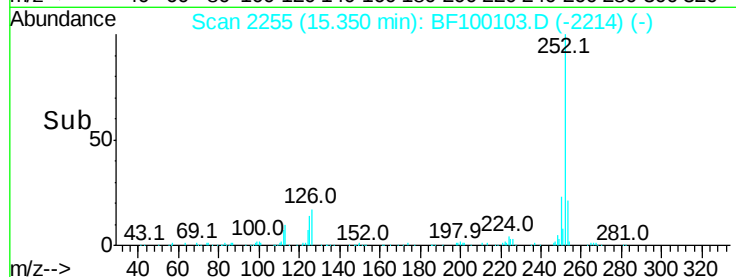
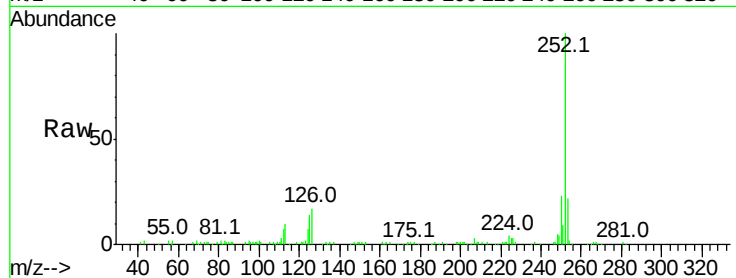
Tot Ion:252 Resp: 102236

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 13.9 9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 5.793 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.08 min

Lab File: BF100103.D

Acq: 2 Nov 2017 23:33

Tgt Ion:276 Resp: 47212

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 31.3 21.8 32.8

