

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101208.D
 Acq On : 7 Dec 2017 16:36
 Operator : SJ/JU
 Sample : I6765-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 19:24:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

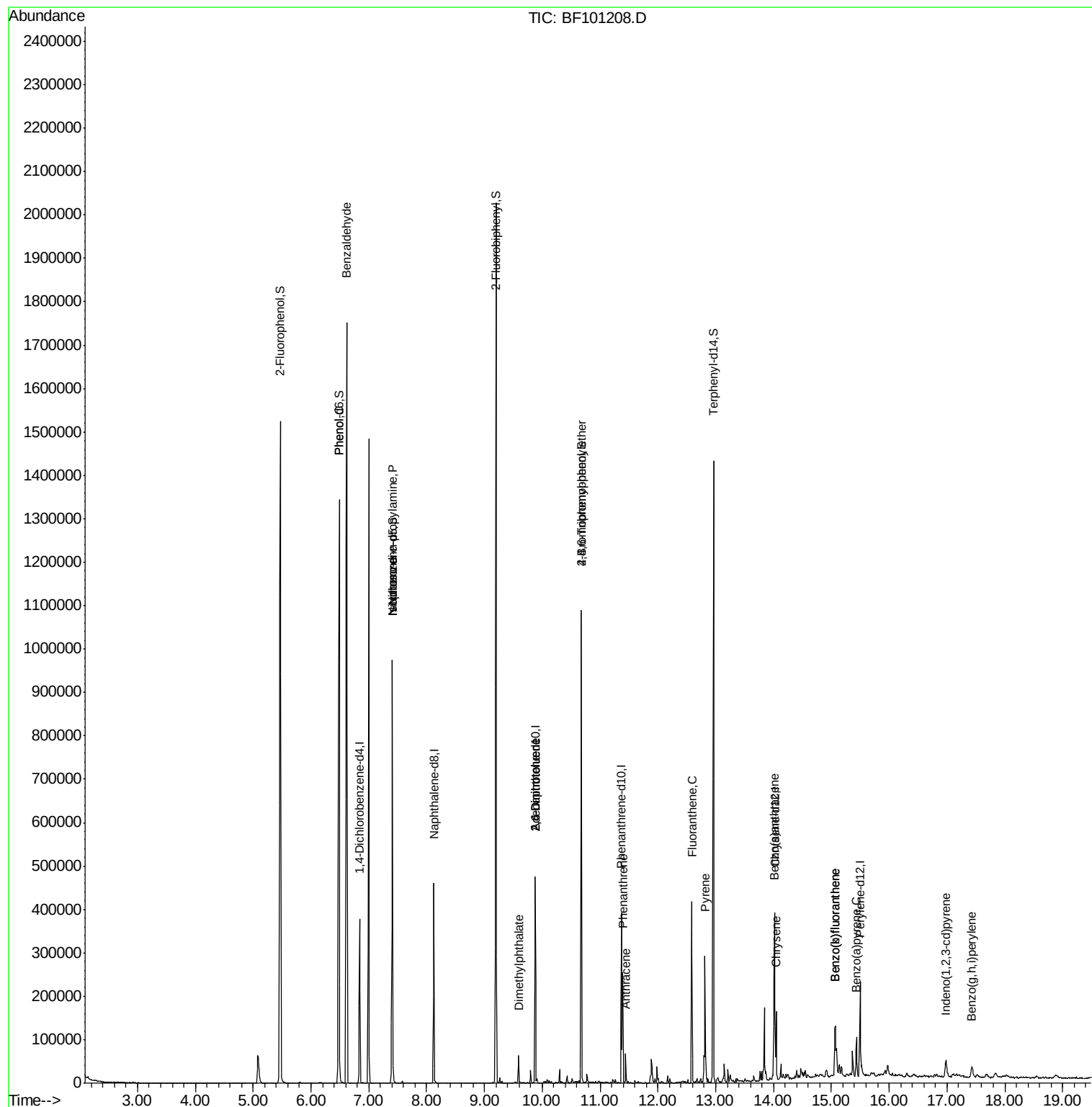
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	52185	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	200305	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	86796	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	144403	20.00	ng	0.00
75) Chrysene-d12	14.02	240	113451	20.00	ng	0.00
86) Perylene-d12	15.50	264	100682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	470482	148.98	ng	0.00
7) Phenol-d6	6.49	99	576494	150.36	ng	0.00
23) Nitrobenzene-d5	7.41	82	348705	103.85	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	134265	128.77	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	685529	108.06	ng	0.00
78) Terphenyl-d14	12.96	244	528105	101.82	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	9997	4.260	ng	84
10) Phenol	6.49	94	18855	4.423	ng	87
19) n-Nitroso-di-n-propylamine	7.41	70	45619	17.667	ng	# 81
25) Isophorone	7.41	82	348702	60.797	ng	# 64
49) Dimethylphthalate	9.59	163	23692	3.385	ng	# 99
50) 2,6-Dinitrotoluene	9.88	165	10820	7.339	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	10820	5.476	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	8389	5.190	ng	# 1
70) Phenanthrene	11.39	178	94373	11.868	ng	96
71) Anthracene	11.45	178	28134	3.496	ng	95
74) Fluoranthene	12.59	202	162518	18.437	ng	95
77) Pyrene	12.82	202	128404	16.402	ng	97
80) Benzo(a)anthracene	14.01	228	66759	9.320	ng	98
82) Chrysene	14.04	228	54701	8.223	ng	99
85) Indeno(1,2,3-cd)pyrene	16.98	276	24297	4.108	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	86241	14.301	ng	99
88) Benzo(k)fluoranthene	15.07	252	86241	14.515	ng	98
89) Benzo(a)pyrene	15.43	252	41796	7.623	ng	97
91) Benzo(a,h,i)perylene	17.43	276	21680	4.760	ng	91

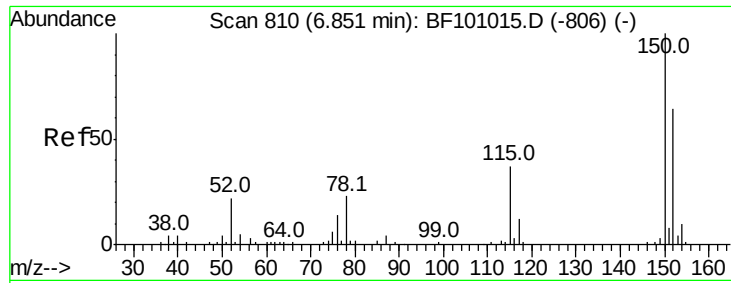
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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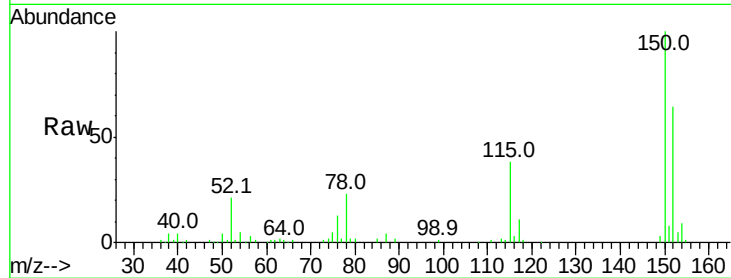


#1

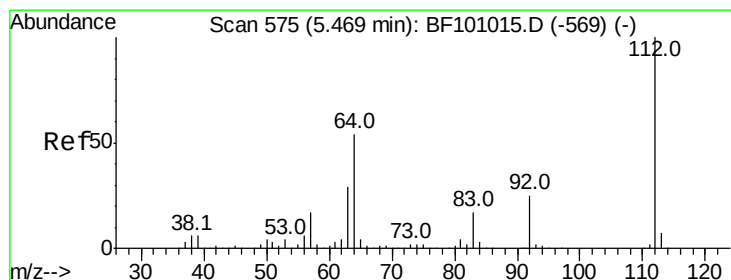
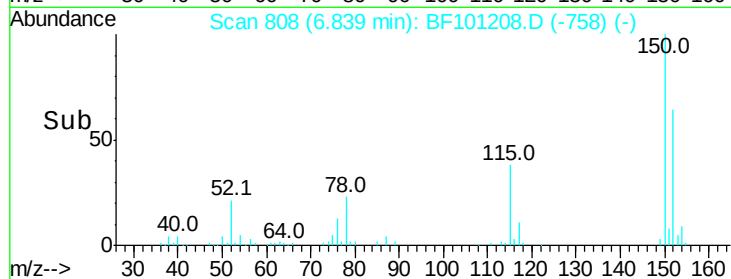
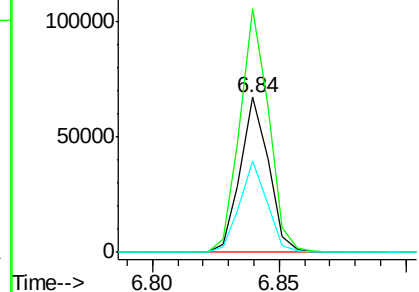
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 52185
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 59.1 50.1 75.1



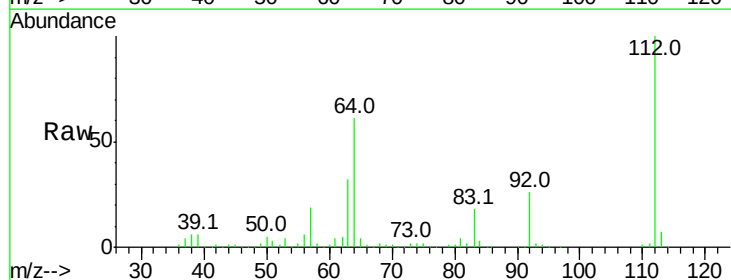
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



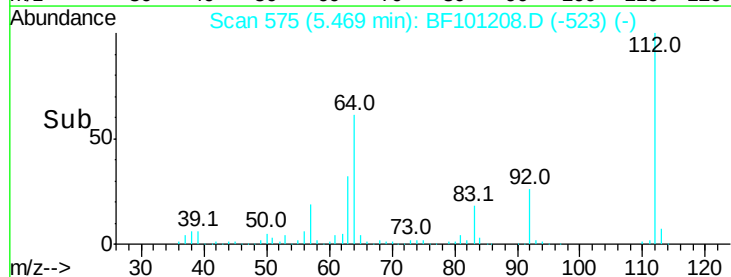
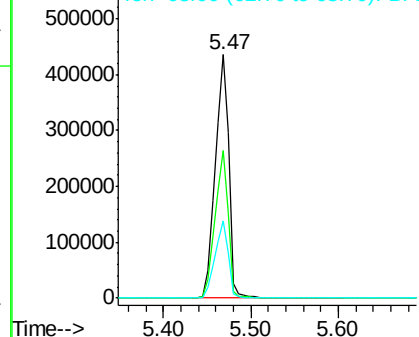
#5

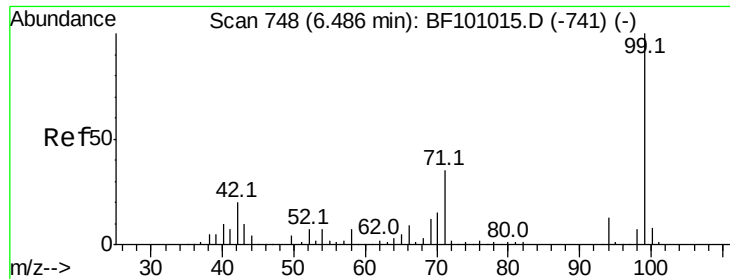
2-Fluorophenol
Concen: 148.979 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion:112 Resp: 470482
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 31.6 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: 150.357 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

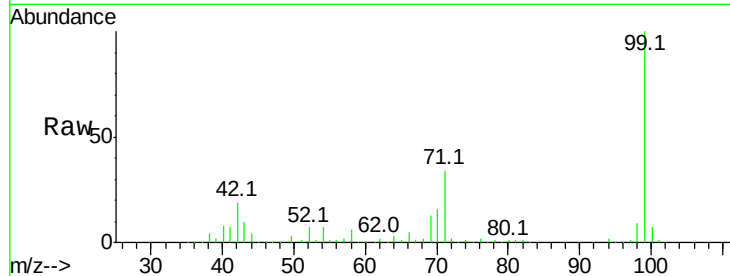
Tot Ion: 99 Resp: 576494

Ion Ratio Lower Upper

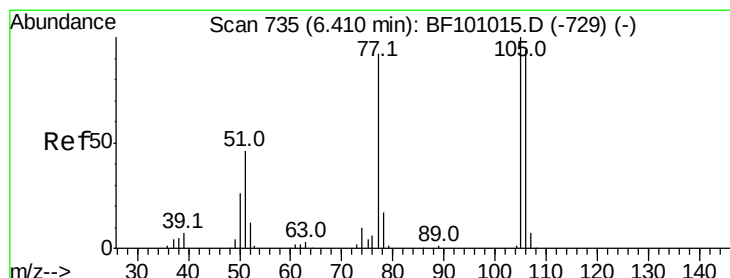
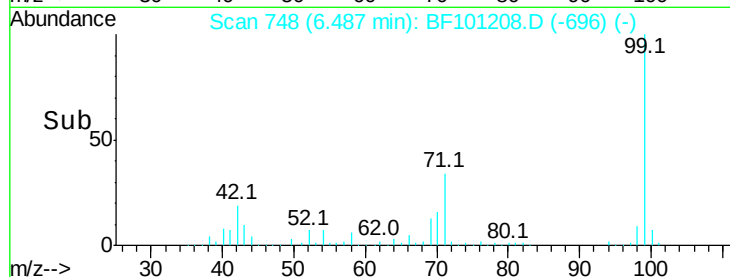
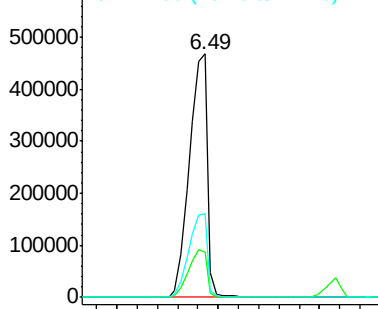
99 100

42 18.7 14.5 21.7

71 34.1 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



#9

Benzaldehyde

Concen: 4.260 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

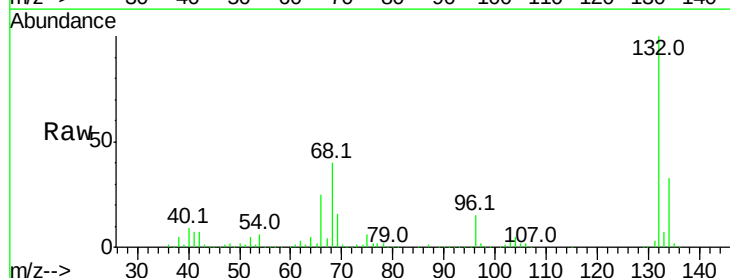
Tgt Ion: 77 Resp: 9997

Ion Ratio Lower Upper

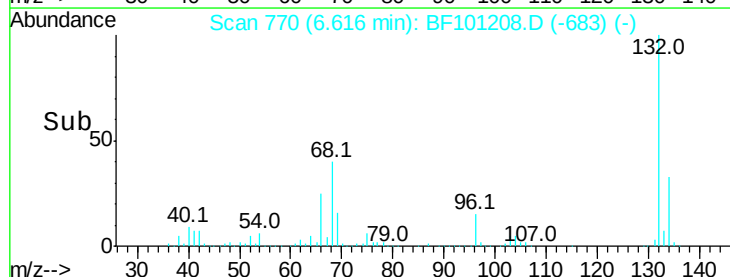
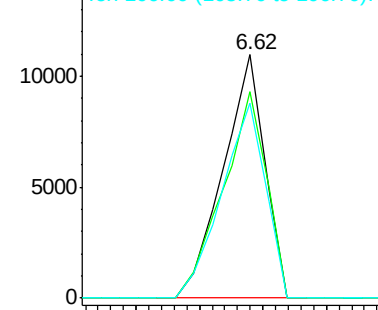
77 100

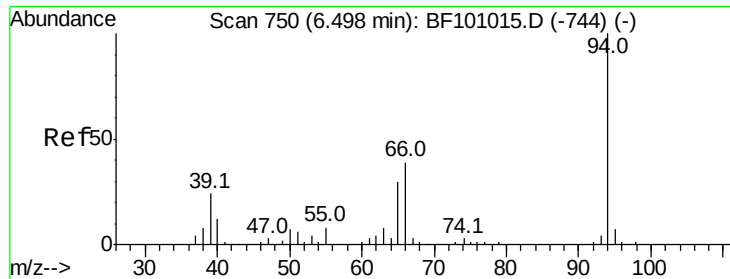
105 84.9 81.1 121.1

106 80.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.423 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

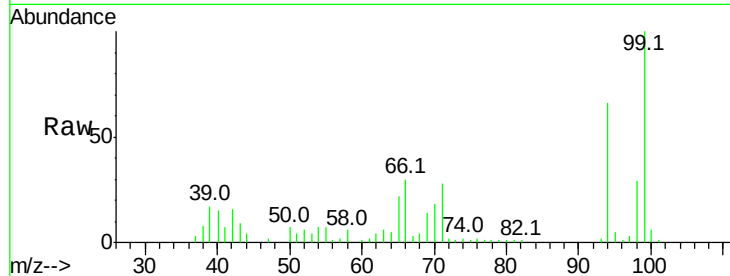
Tot Ion: 94 Resp: 18855

Ion Ratio Lower Upper

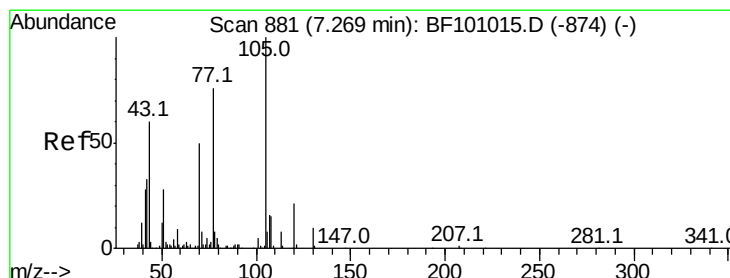
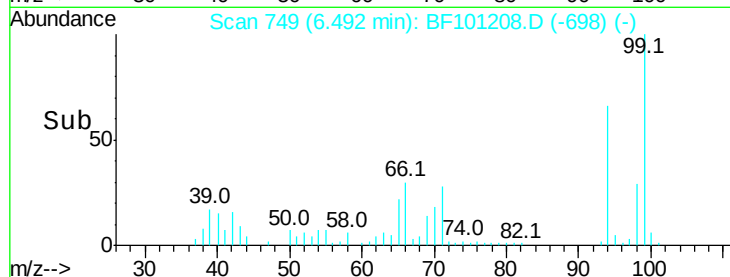
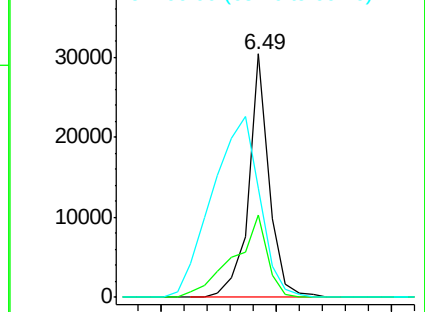
94 100

65 33.7 7.9 47.9

66 45.0 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: 17.667 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Tgt Ion: 70 Resp: 45619

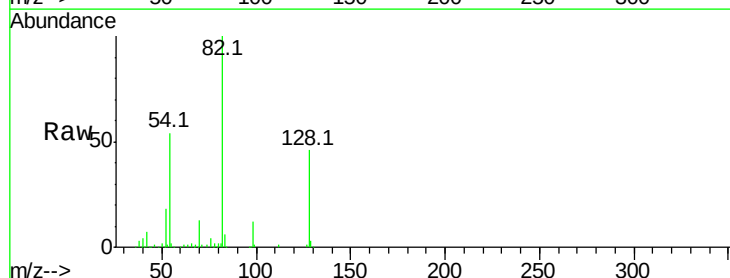
Ion Ratio Lower Upper

70 100

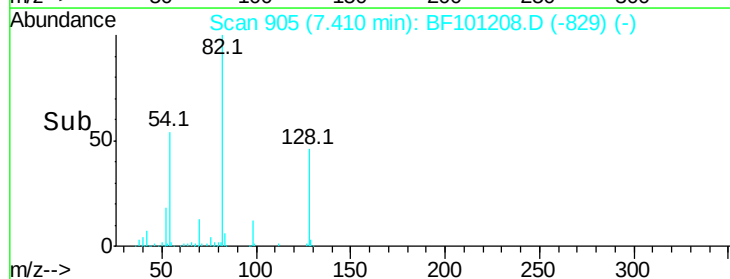
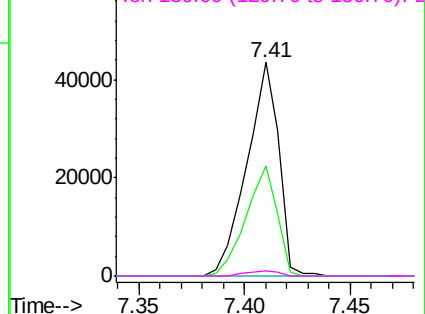
42 51.6 47.5 71.3

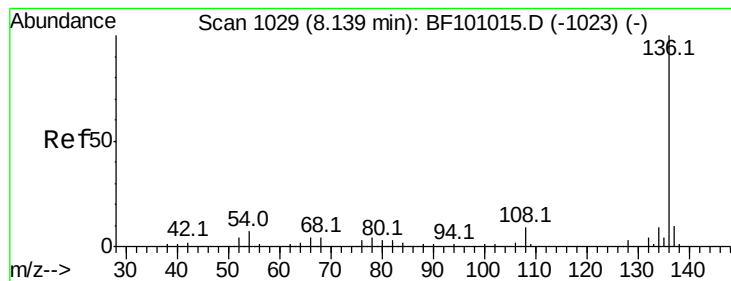
101 0.0 7.4 11.2#

130 2.4 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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 200305

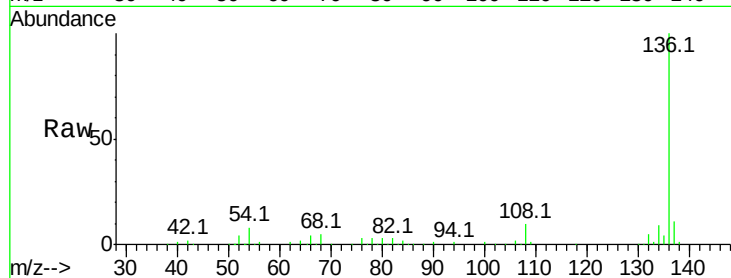
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.8 6.6 9.8

68 5.0 5.0 7.4

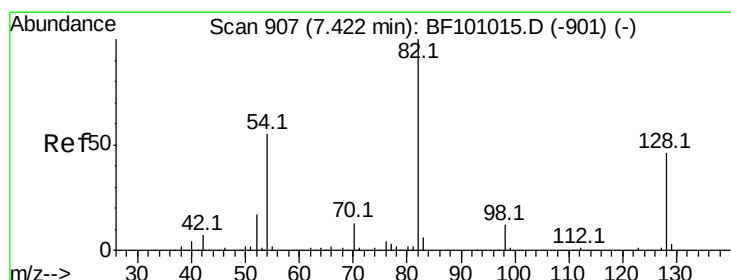
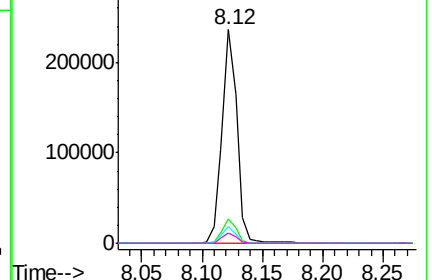
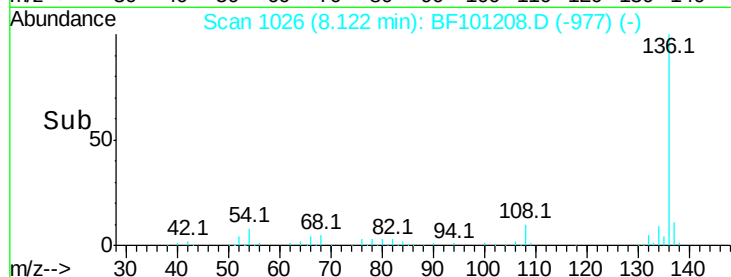


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.848 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

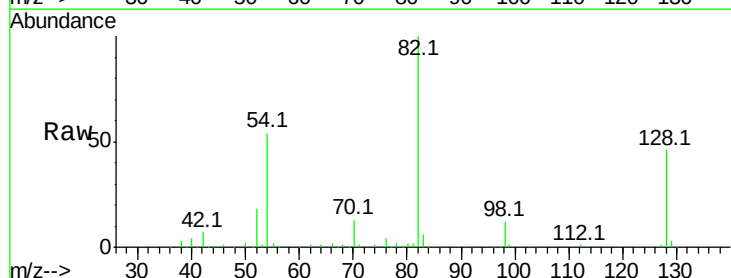
Tgt Ion: 82 Resp: 348705

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

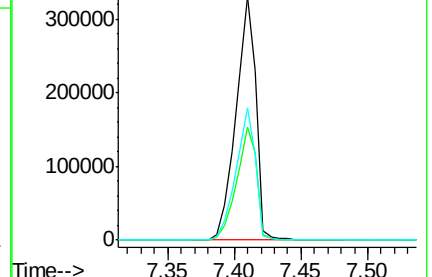
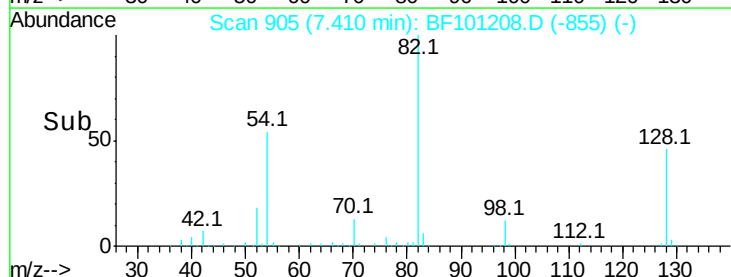
54 54.2 41.4 62.2

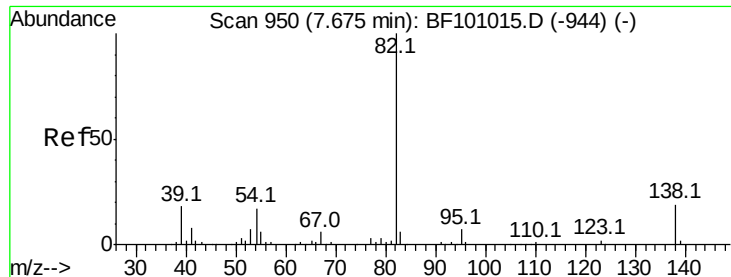


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

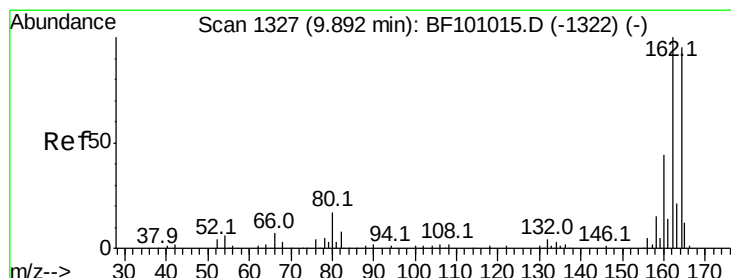
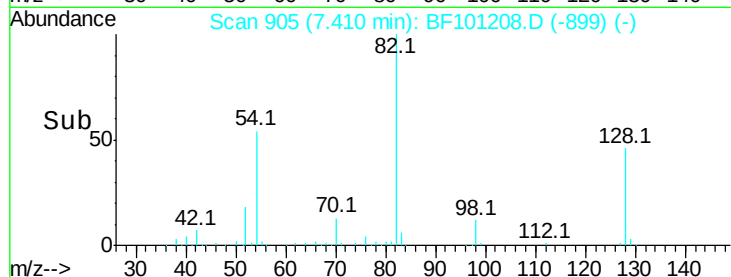
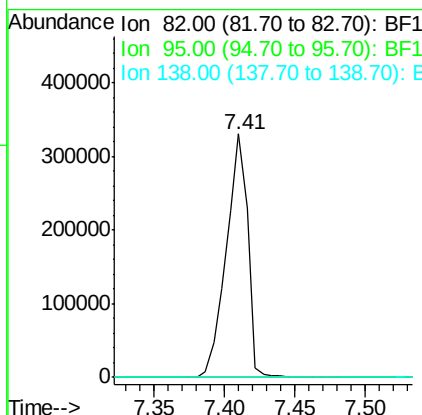
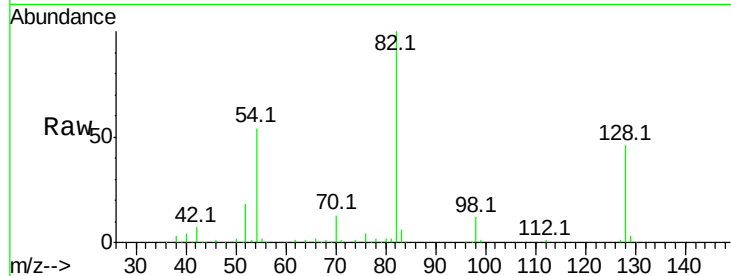




#25
Isophorone
Concen: 60.797 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

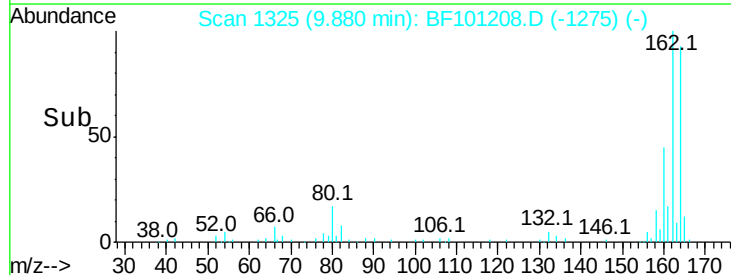
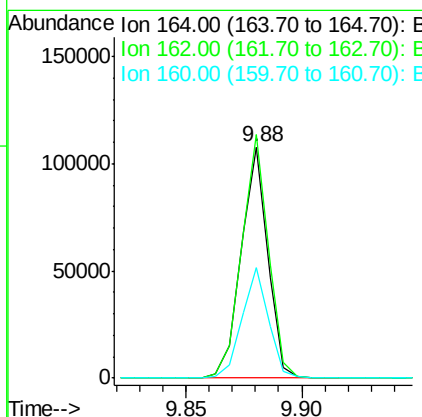
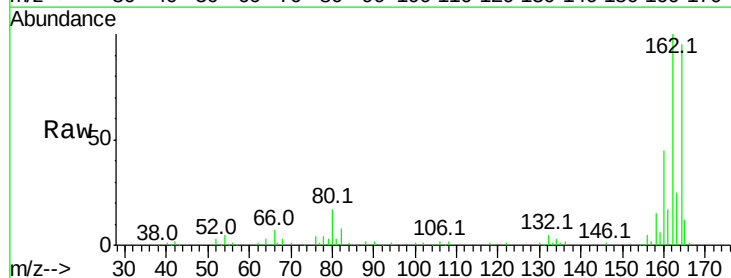
Instrument :
BNA_F
ClientSampleId :

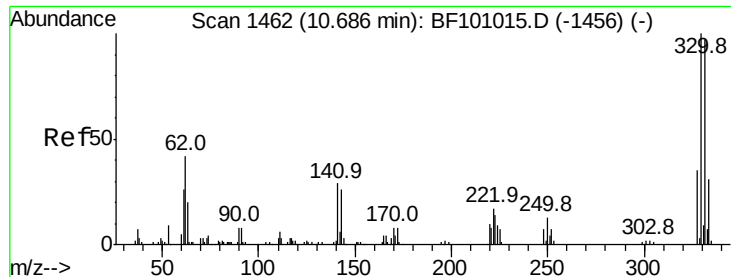
Tot Ion: 82 Resp: 348702
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion:164 Resp: 86796
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 47.8 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 128.771 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

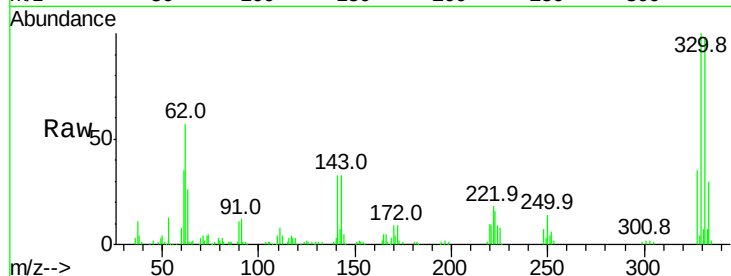
Tot Ion:330 Resp: 134265

Ion Ratio Lower Upper

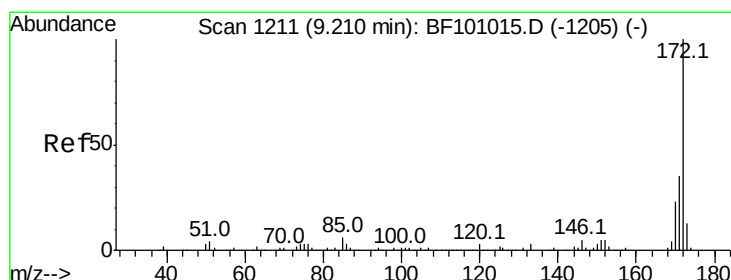
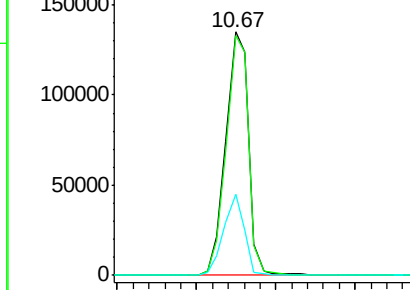
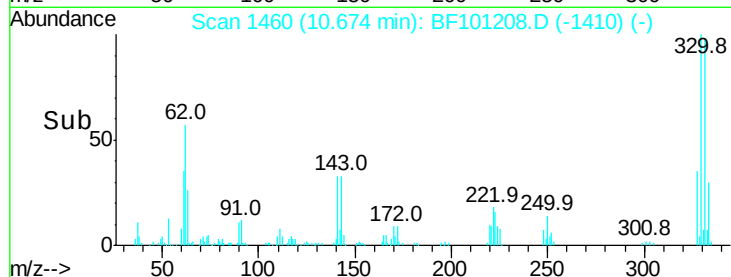
330 100

332 97.1 77.0 115.6

141 30.0 29.9 44.9



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



#44

2-Fluorobiphenyl

Concen: 108.063 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

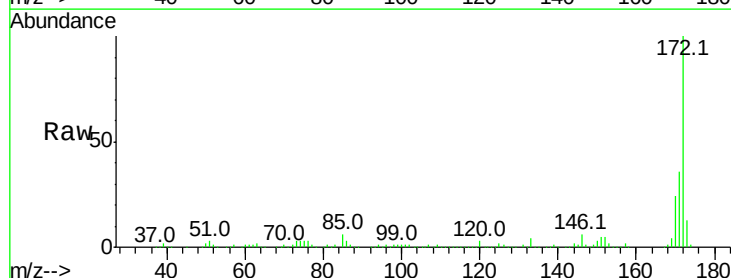
Tgt Ion:172 Resp: 685529

Ion Ratio Lower Upper

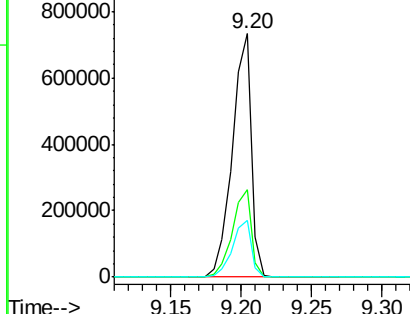
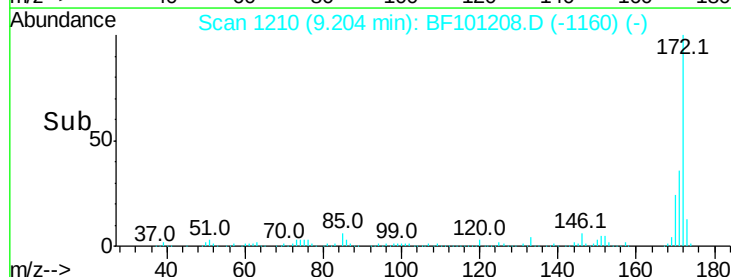
172 100

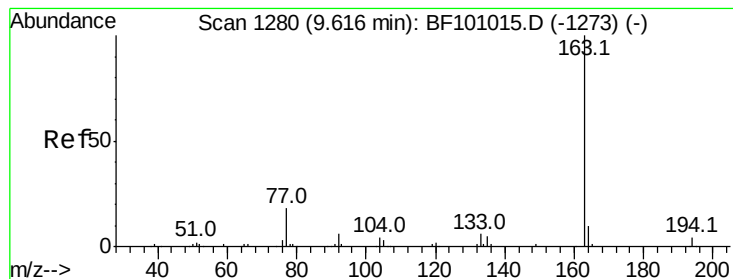
171 36.1 29.7 44.5

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: 3.385 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF101208.D

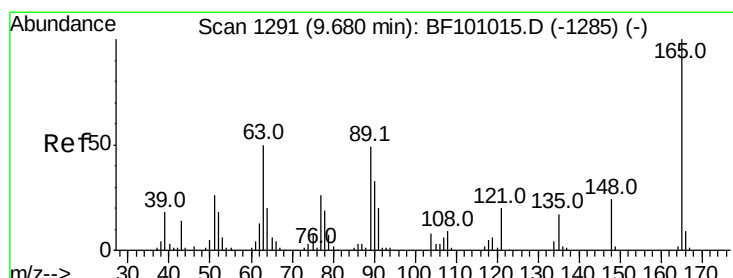
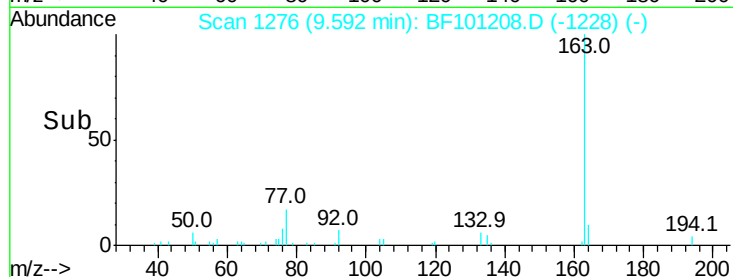
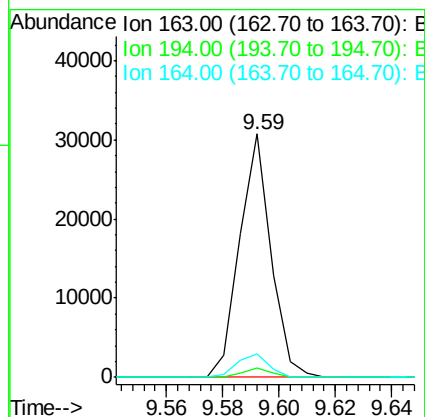
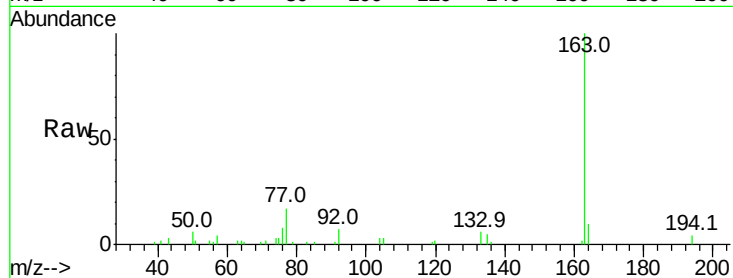
Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:163	Resp:	23692
Ion Ratio	Lower	Upper
163	100	
194	4.1	2.7 4.1#
164	9.9	8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 7.339 ng

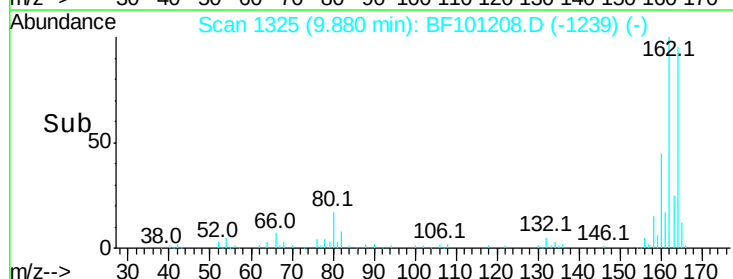
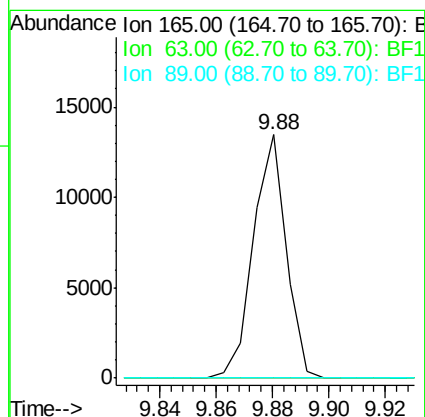
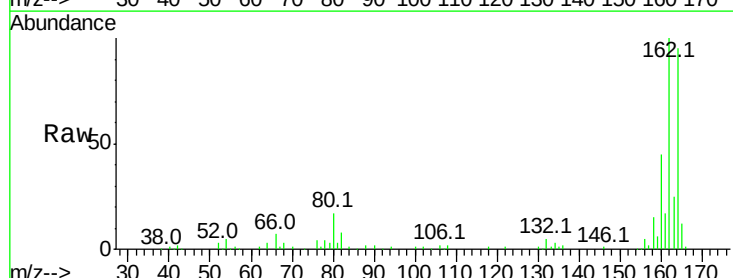
RT: 9.88 min Scan# 1325

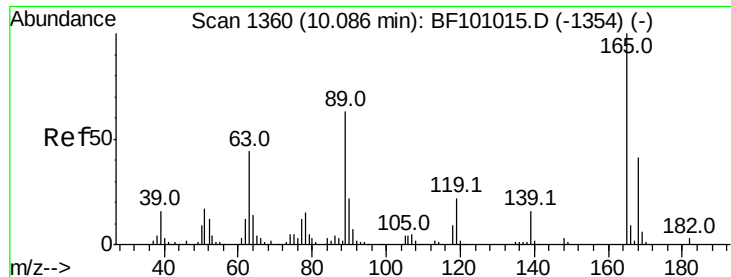
Delta R.T. 0.21 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Tgt Ion:165	Resp:	10820
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.7 67.1#
89	0.0	44.0 66.0#

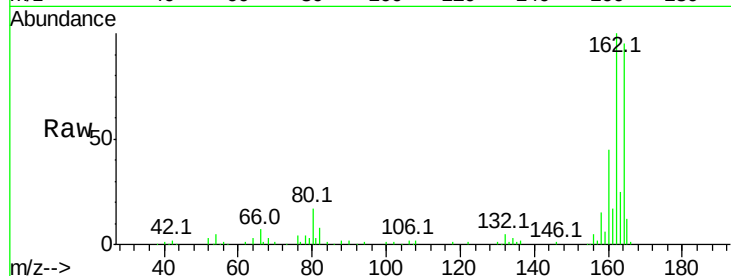




#56
 2,4-Dinitrotoluene
 Concen: 5.476 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101208.D
 Acq: 7 Dec 2017 16:36

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#



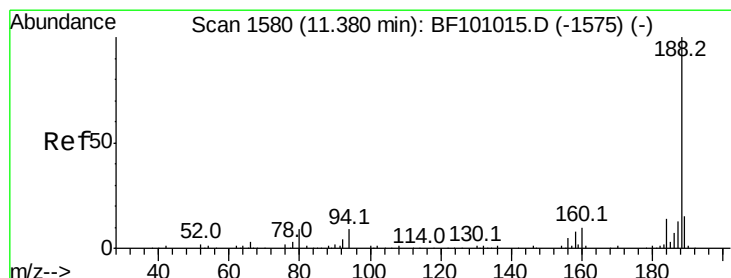
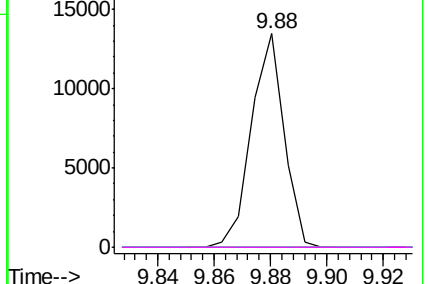
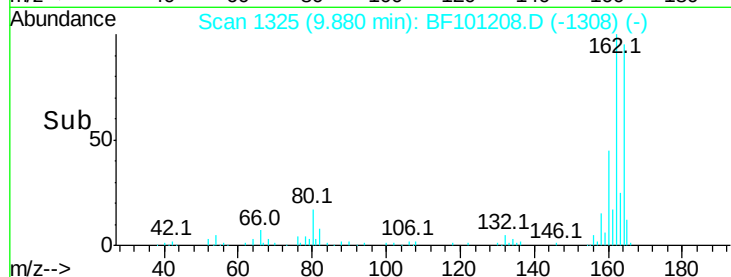
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

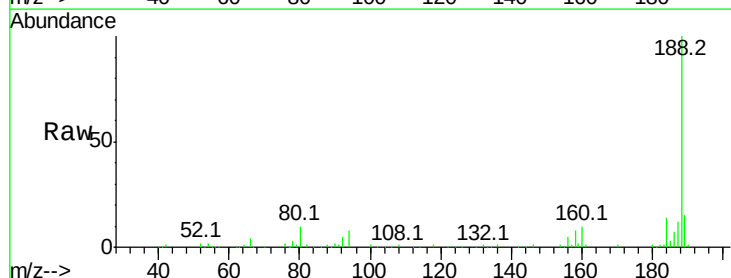
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF101208.D
 Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.5	9.2	13.8

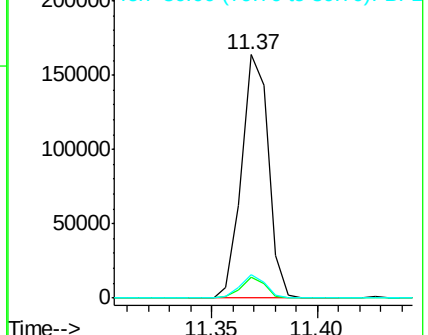
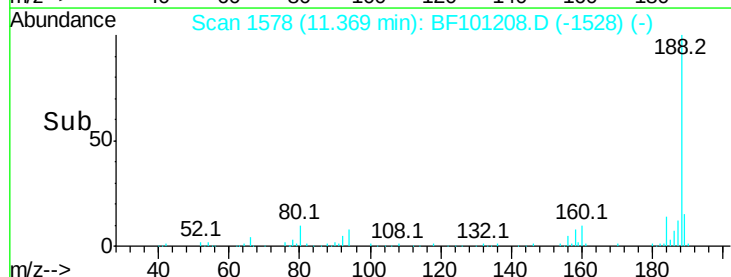


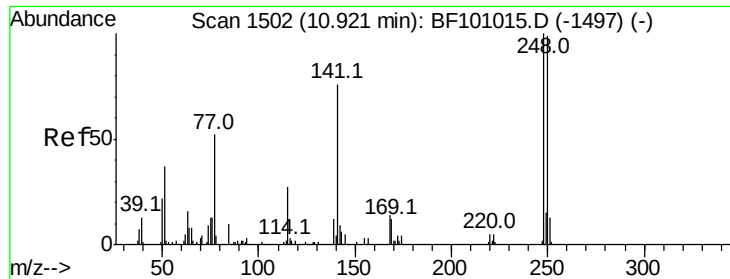
Abundance

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

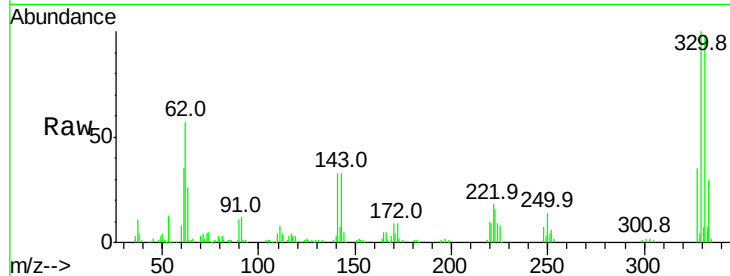




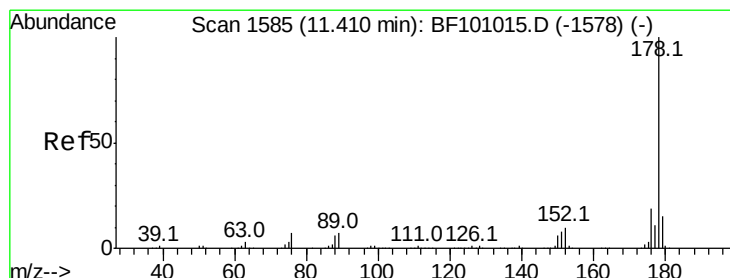
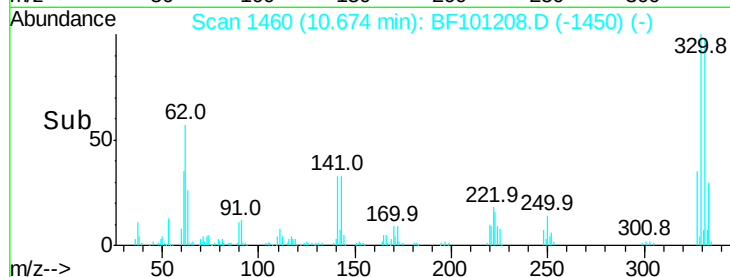
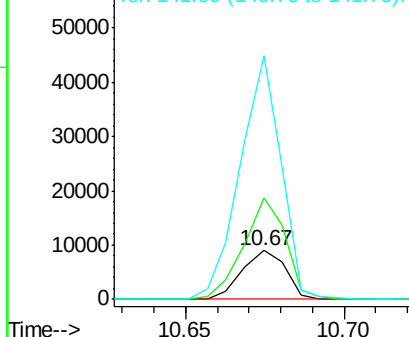
#66
4-Bromophenyl-phenylether
Concen: 5.190 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8389
Ion Ratio Lower Upper
248 100
250 208.5 76.9 115.3#
141 502.3 74.4 111.6#

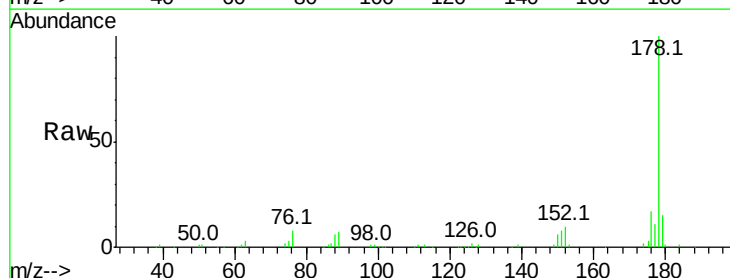


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

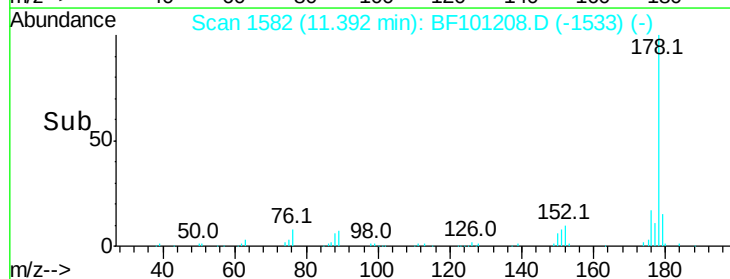
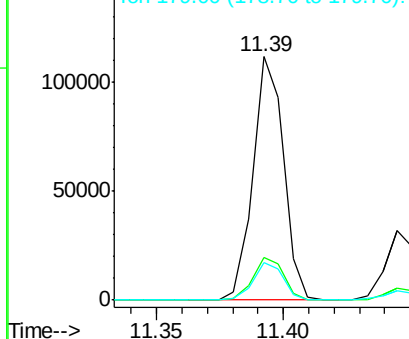


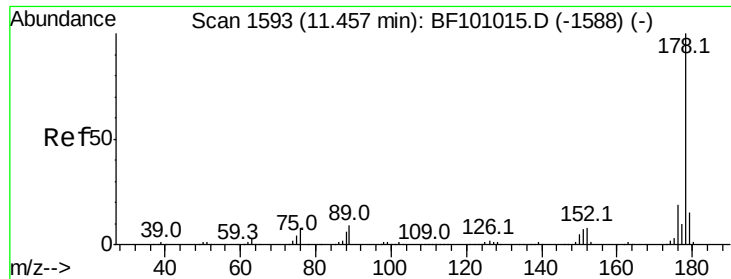
#70
Phenanthrene
Concen: 11.868 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion:178 Resp: 94373
Ion Ratio Lower Upper
178 100
176 17.4 15.8 23.8
179 15.3 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: 3.496 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

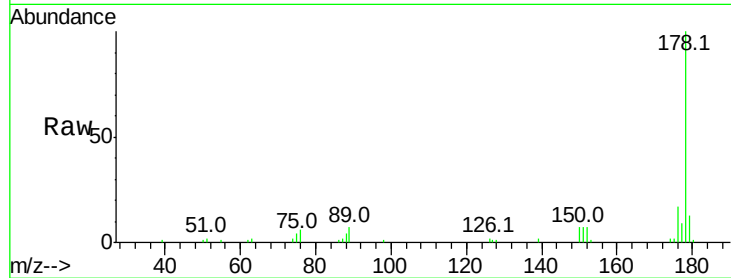
Tot Ion:178 Resp: 28134

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

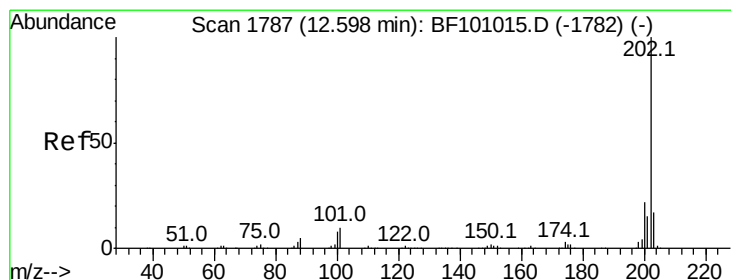
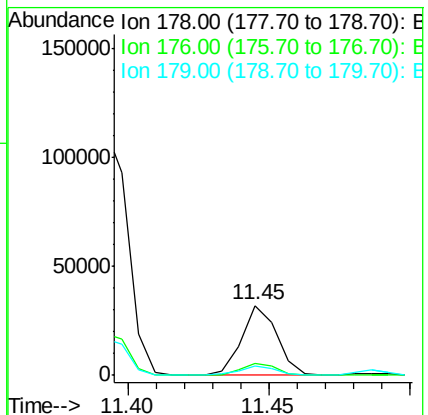
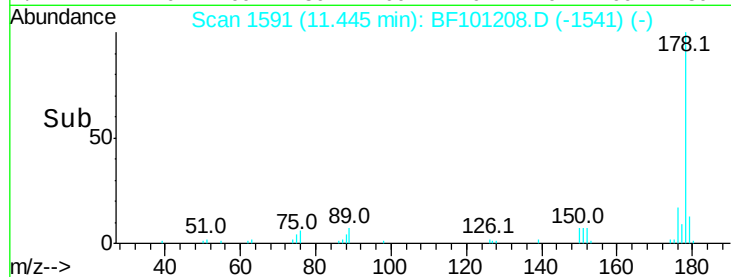
179 13.4 12.6 19.0



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: 18.437 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

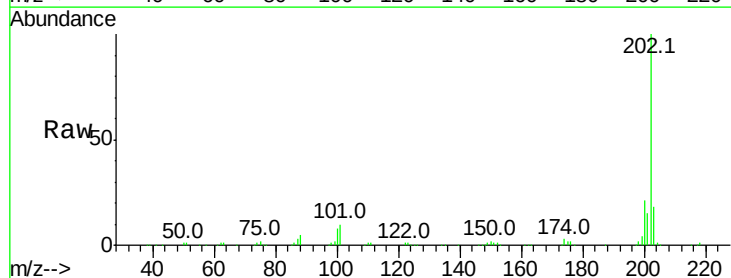
Tgt Ion:202 Resp: 162518

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

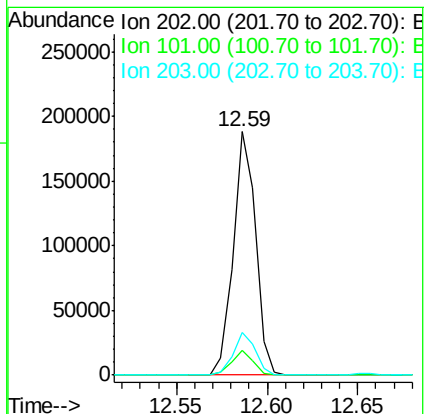
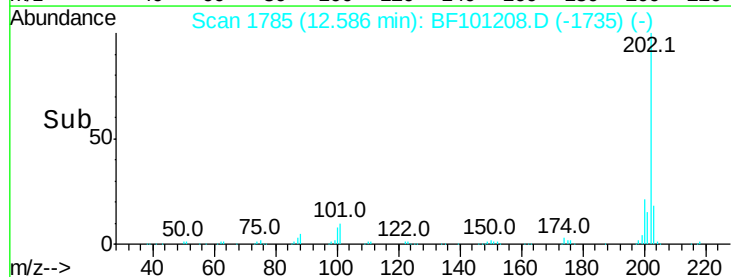
203 17.5 0.0 38.1

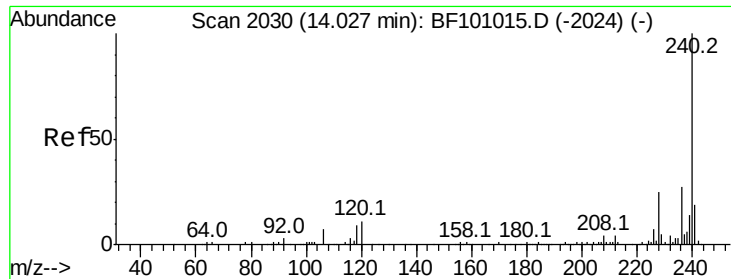


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

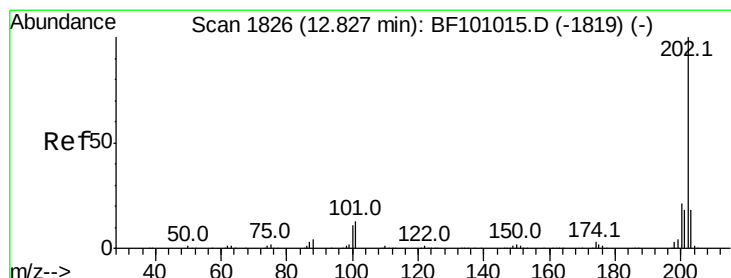
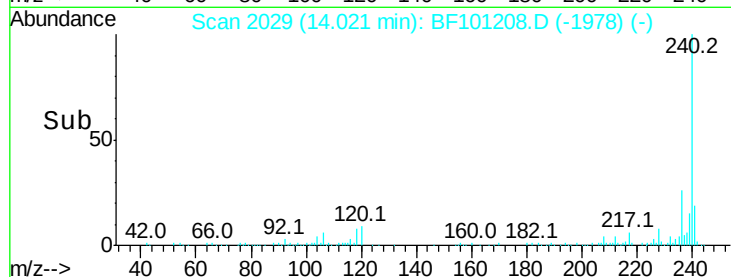
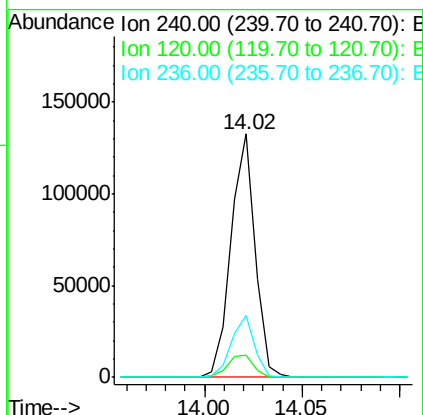
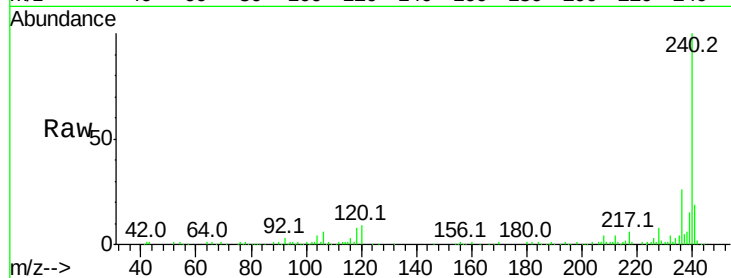




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

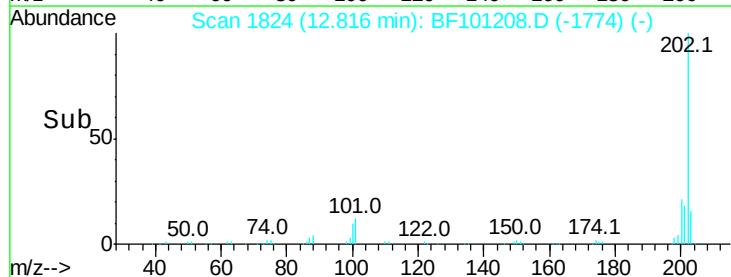
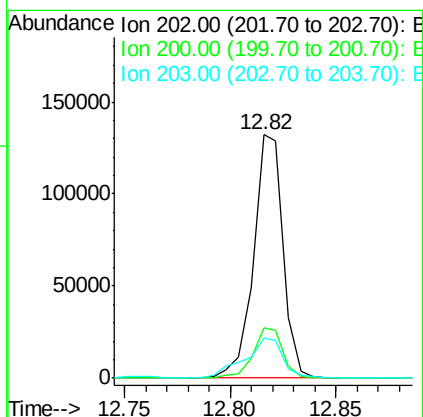
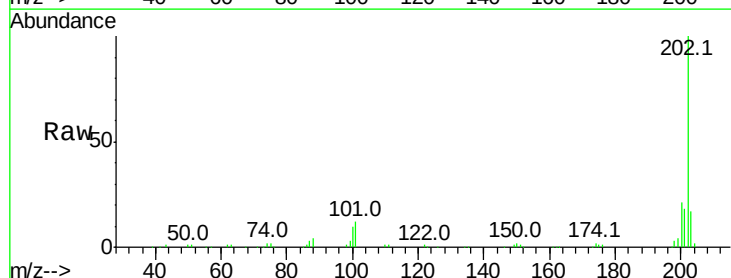
Instrument :
BNA_F
ClientSampleId :

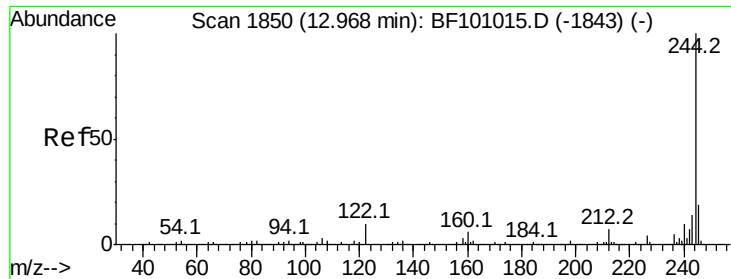
Tot Ion:240 Resp: 113451
Ion Ratio Lower Upper
240 100
120 9.0 9.5 14.3#
236 25.6 20.7 31.1



#77
Pyrene
Concen: 16.402 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion:202 Resp: 128404
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 16.7 14.3 21.5





#78

Terphenyl-d14

Concen: 101.815 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

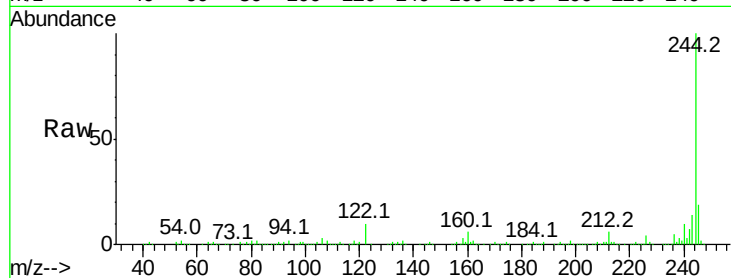
Tot Ion:244 Resp: 528105

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

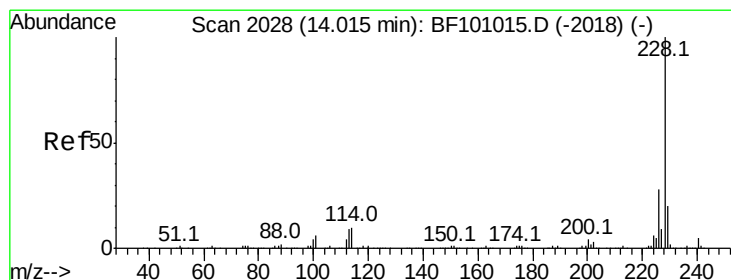
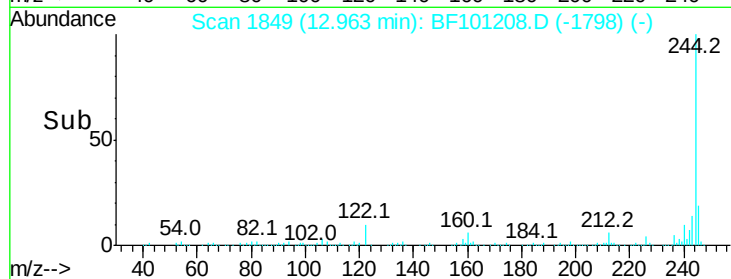
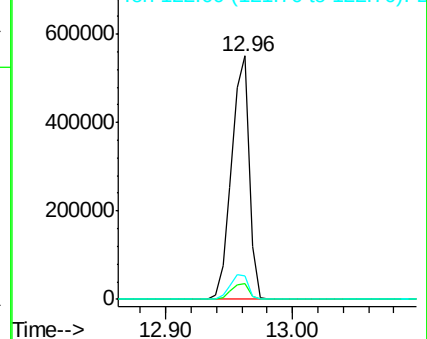
122 9.6 11.0 16.4#



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: 9.320 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

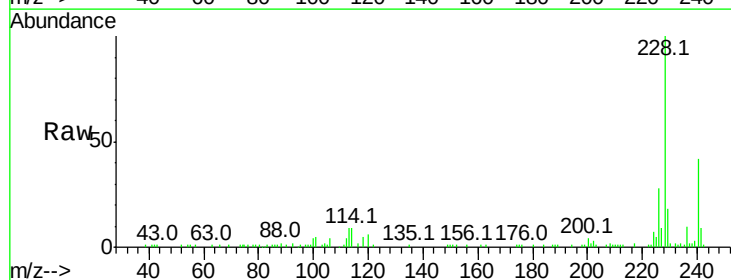
Tgt Ion:228 Resp: 66759

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

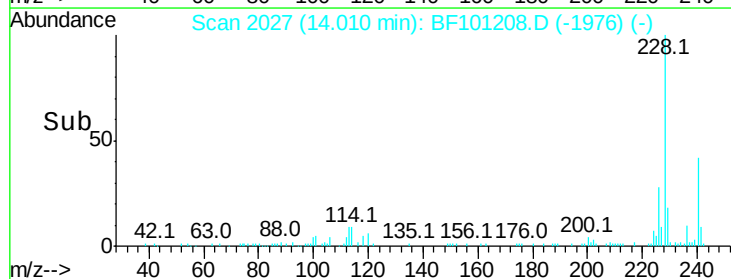
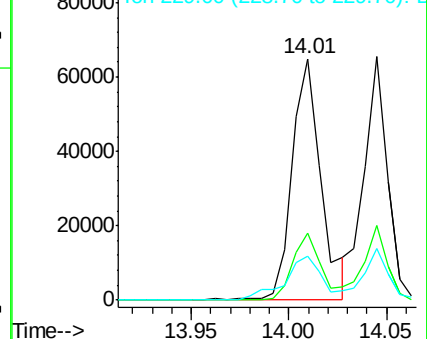
229 18.1 15.8 23.6

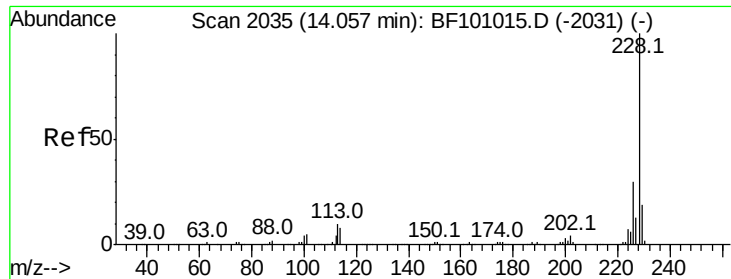


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.223 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

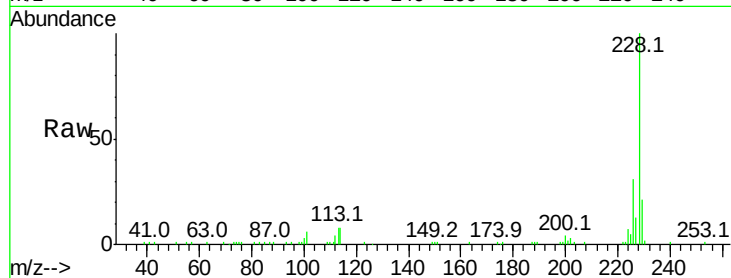
Tot Ion:228 Resp: 54701

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

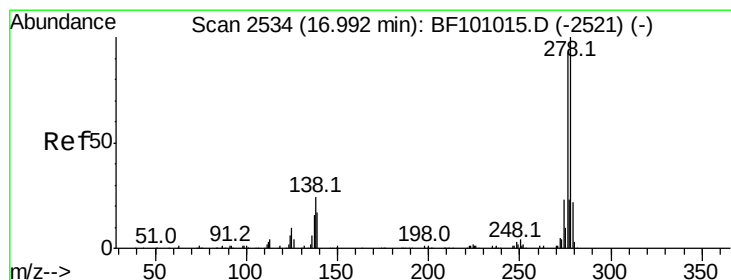
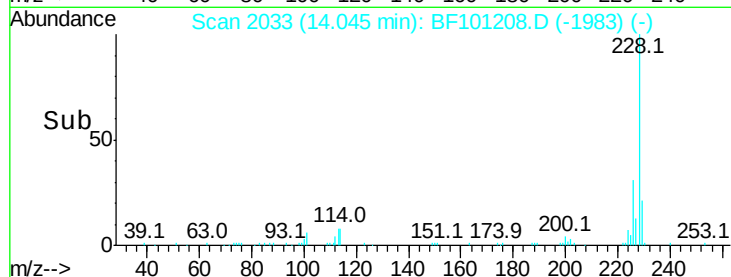
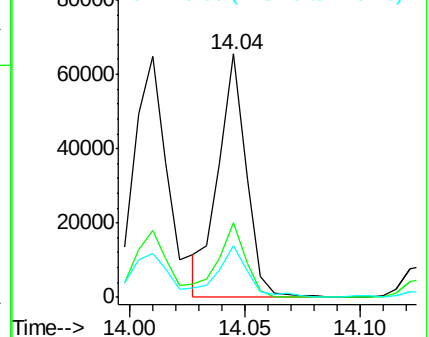
229 21.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.108 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

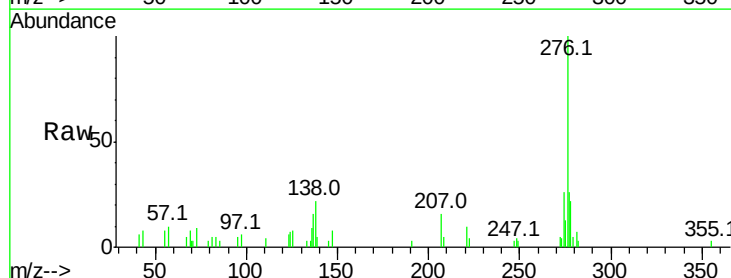
Tgt Ion:276 Resp: 24297

Ion Ratio Lower Upper

276 100

138 20.8 25.0 37.6#

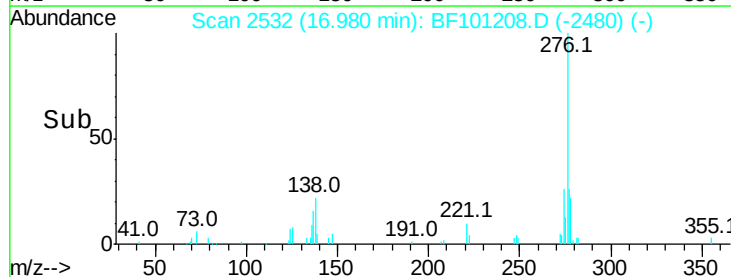
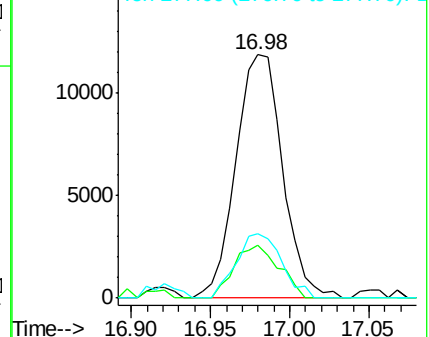
277 25.5 20.1 30.1

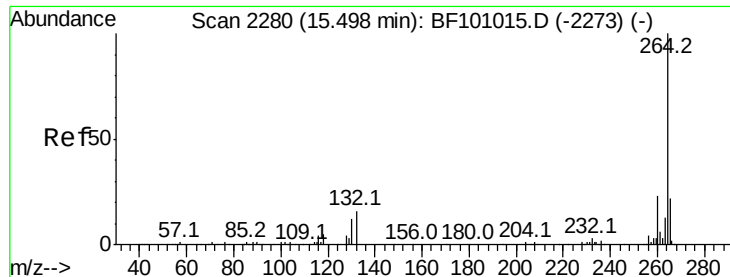


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

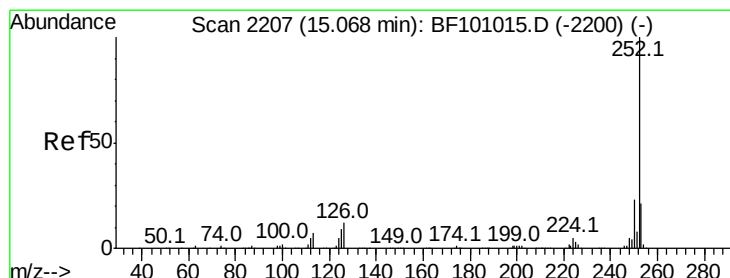
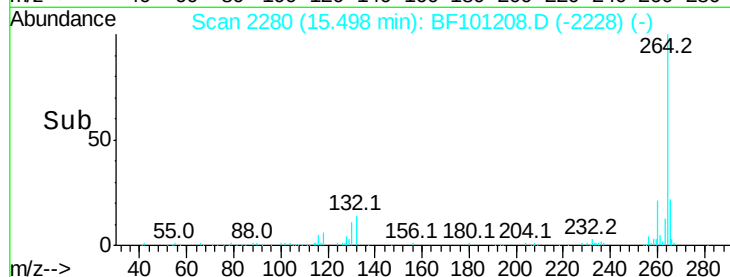
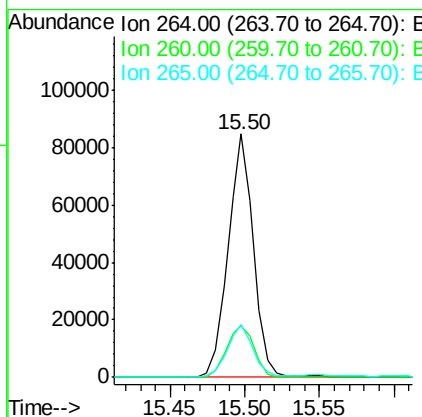
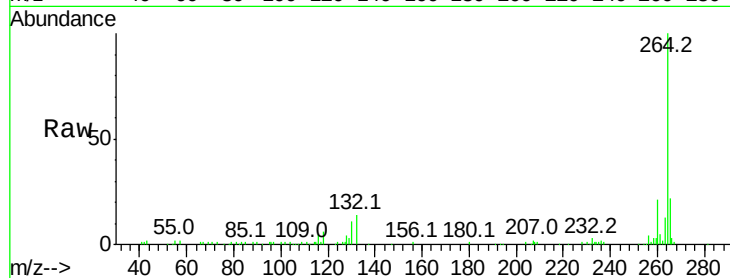




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

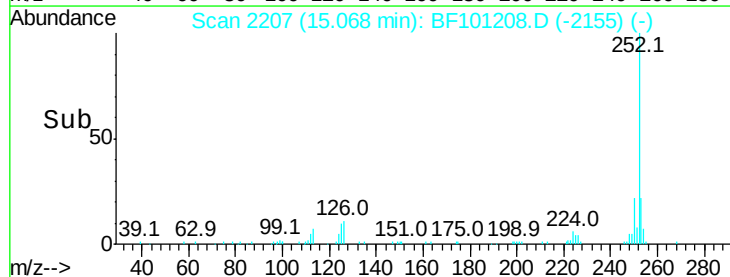
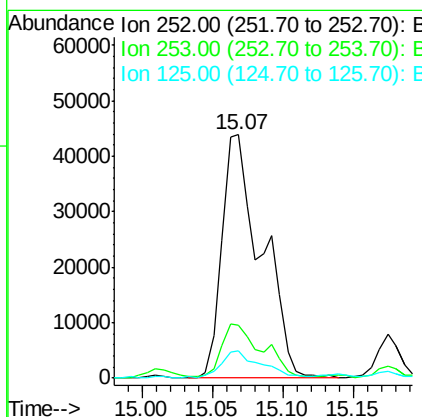
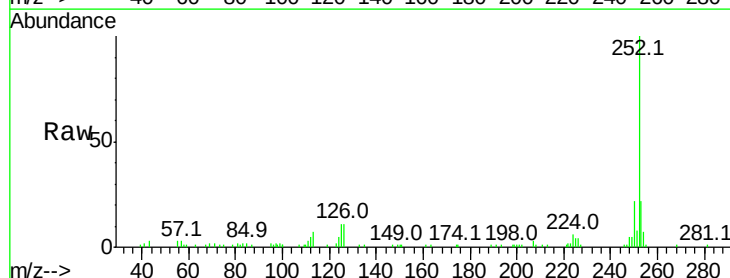
Instrument :
BNA_F
ClientSampled :

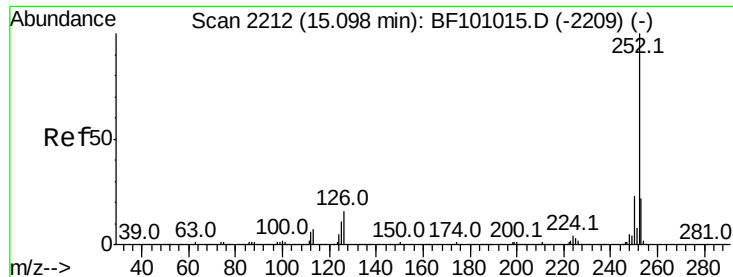
Tot Ion:264 Resp: 100682
Ion Ratio Lower Upper
264 100
260 21.4 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 14.301 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion:252 Resp: 86241
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 11.0 9.0 13.6

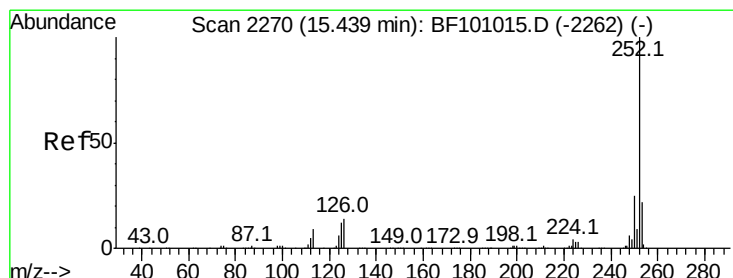
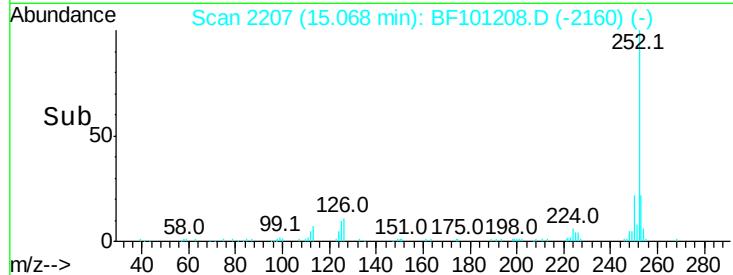
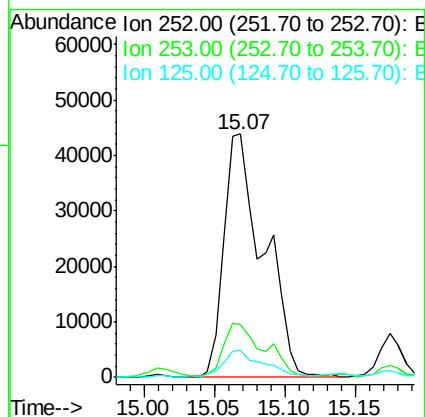
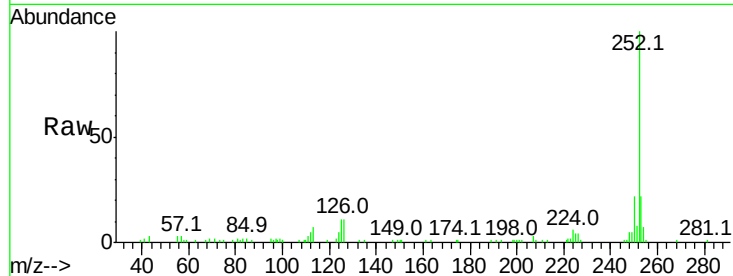




#88
Benzo(k)fluoranthene
Concen: 14.515 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

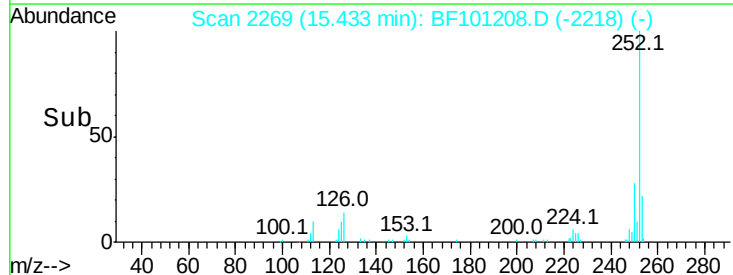
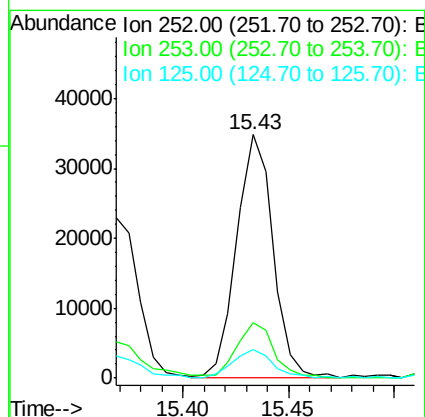
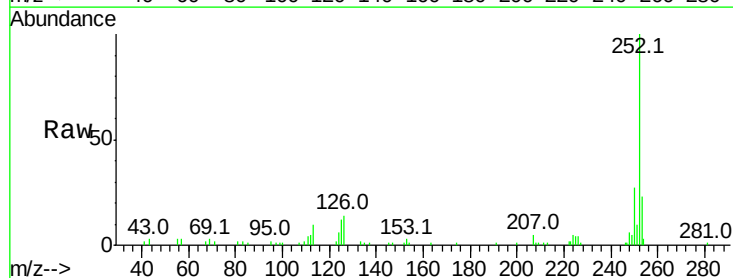
Instrument :
BNA_F
ClientSampled :

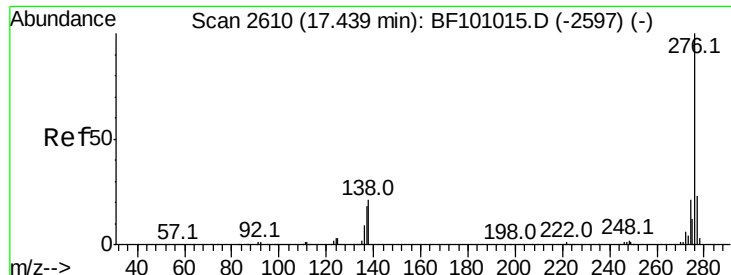
Tot Ion:252 Resp: 86241
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 11.0 10.2 15.2



#89
Benzo(a)pyrene
Concen: 7.623 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion:252 Resp: 41796
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 11.5 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 4.760 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

ClientSampleId :

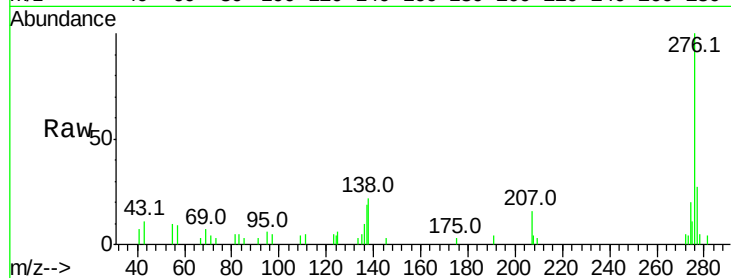
Tot Ion:276 Resp: 21680

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 22.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

