

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101351.D
 Acq On : 13 Dec 2017 00:55
 Operator : SJ/JU
 Sample : I6822-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 05:07:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	47501	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	179738	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	76491	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	128190	20.00	ng	0.00
75) Chrysene-d12	14.00	240	107686	20.00	ng	0.00
86) Perylene-d12	15.48	264	89495	20.00	ng	0.01

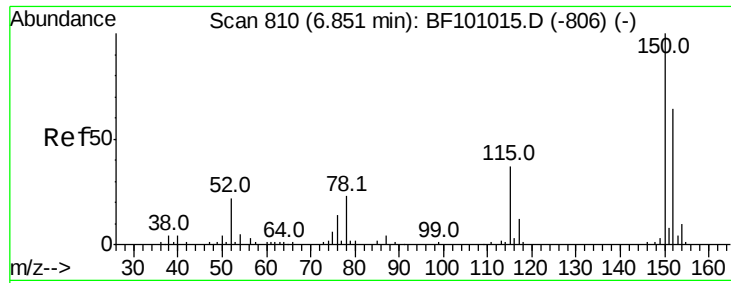
System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	324381	112.84	ng	0.00
7) Phenol-d6	6.46	99	386676	110.79	ng	0.00
23) Nitrobenzene-d5	7.39	82	220876	73.31	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	83898	91.31	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	430434	76.99	ng	0.00
78) Terphenyl-d14	12.94	244	345232	70.12	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.60	77	7134	3.340	ng	92
10) Phenol	6.47	94	13598	3.504	ng	87
19) n-Nitroso-di-n-propylamine	7.39	70	29222	12.433	ng	# 77
25) Isophorone	7.39	82	220874	42.916	ng	# 64
49) Dimethylphthalate	9.57	163	71852	11.648	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	9704	5.573	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	5144	3.585	ng	# 1
70) Phenanthrene	11.38	178	42085	5.962	ng	96
71) Anthracene	11.43	178	14447	2.022	ng	93
74) Fluoranthene	12.57	202	55638	7.110	ng	93
77) Pyrene	12.80	202	55590	7.481	ng	99
80) Benzo(a)anthracene	13.99	228	39392	5.794	ng	96
82) Chrysene	14.03	228	35035	5.548	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	31222	5.562	ng	# 88
87) Benzo(b)fluoranthene	15.05	252	71543	13.346	ng	99
88) Benzo(k)fluoranthene	15.05	252	71543	13.546	ng	96
89) Benzo(a)pyrene	15.42	252	46136	9.467	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	8941	2.081	ng	92
91) Benzo(a,h,i)perylene	17.42	276	27887	6.888	ng	# 89

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

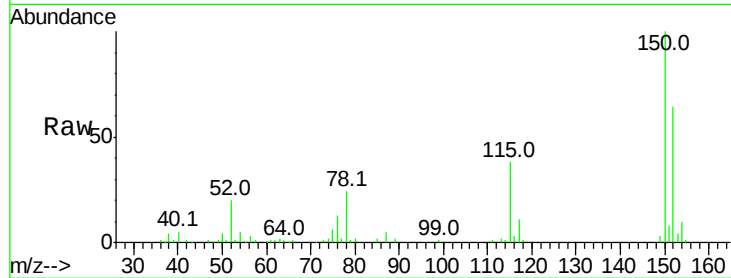


#1

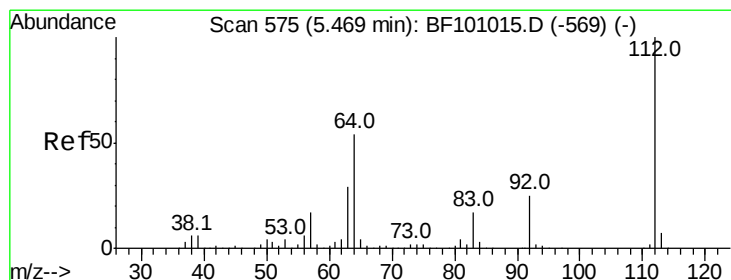
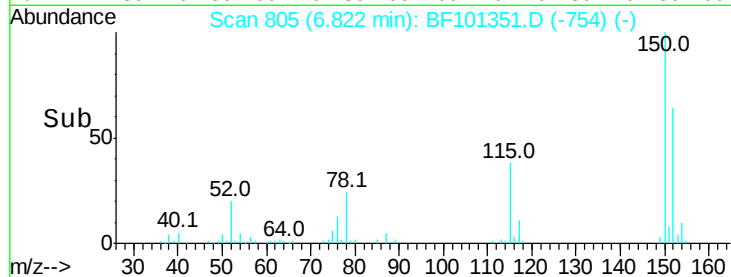
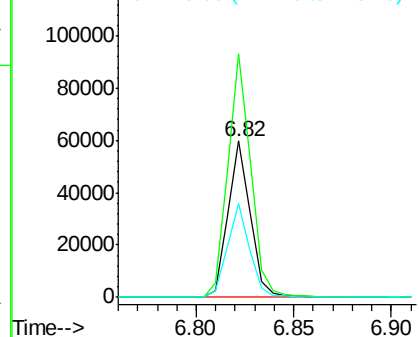
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 47501
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 59.9 50.1 75.1



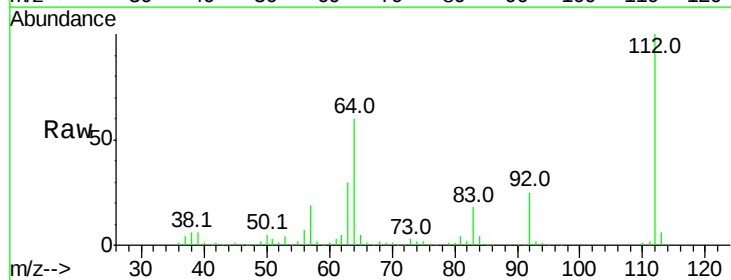
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



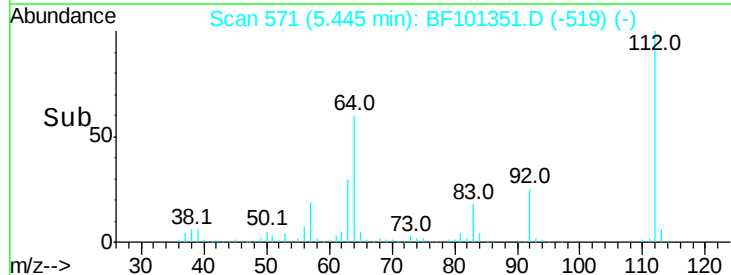
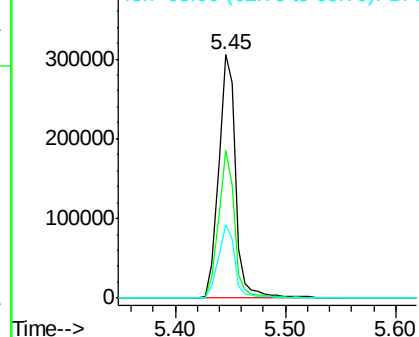
#5

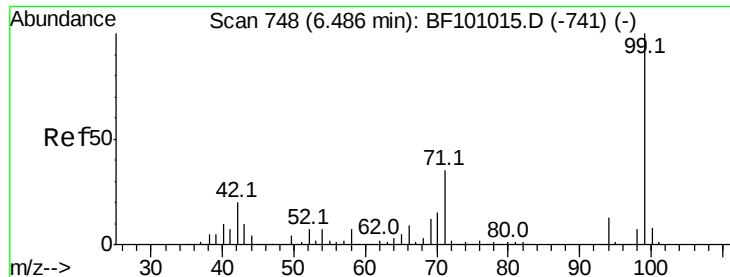
2-Fluorophenol
Concen: 112.844 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Tgt Ion:112 Resp: 324381
Ion Ratio Lower Upper
112 100
64 60.4 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: 110.794 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

Instrument :

BNA_F

ClientSampleId :

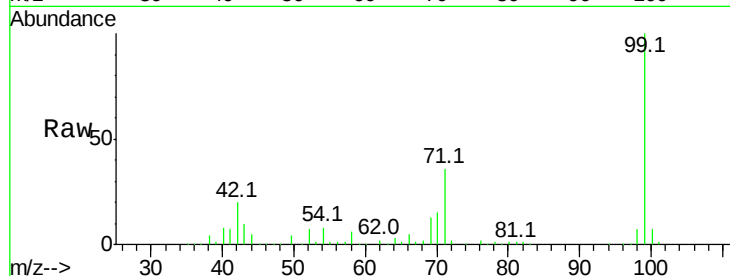
Tot Ion: 99 Resp: 386676

Ion Ratio Lower Upper

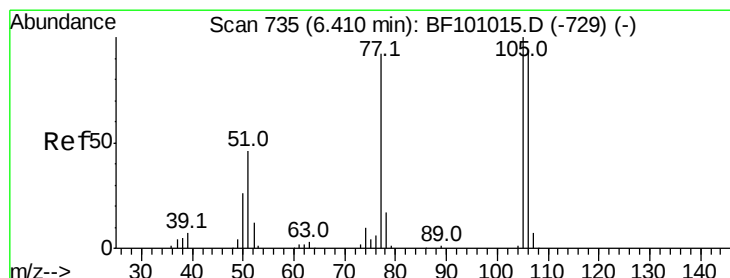
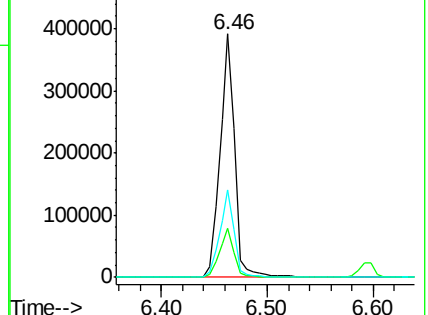
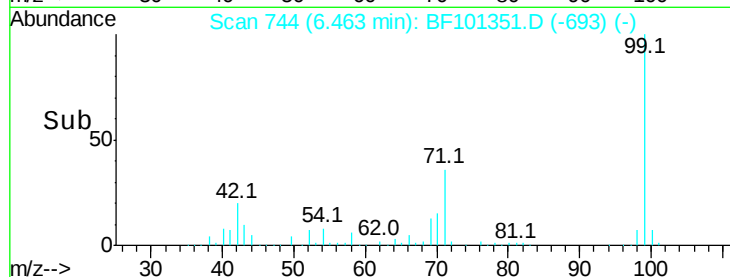
99 100

42 20.3 14.5 21.7

71 35.7 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: 3.340 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

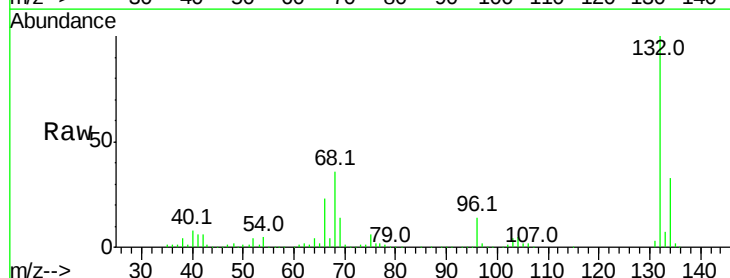
Tgt Ion: 77 Resp: 7134

Ion Ratio Lower Upper

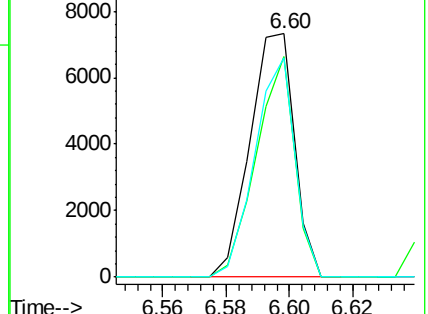
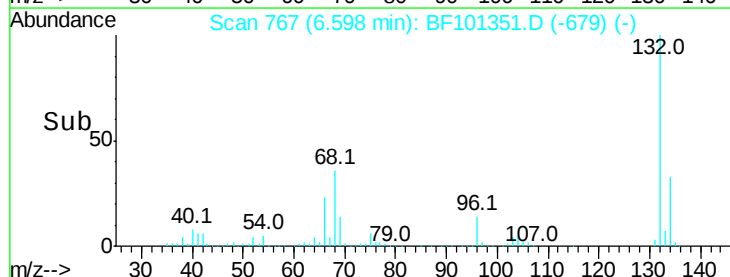
77 100

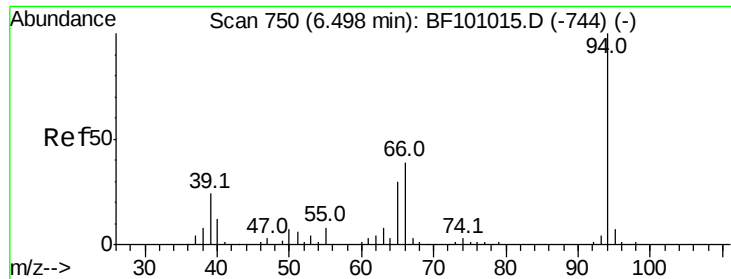
105 90.8 81.1 121.1

106 90.1 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

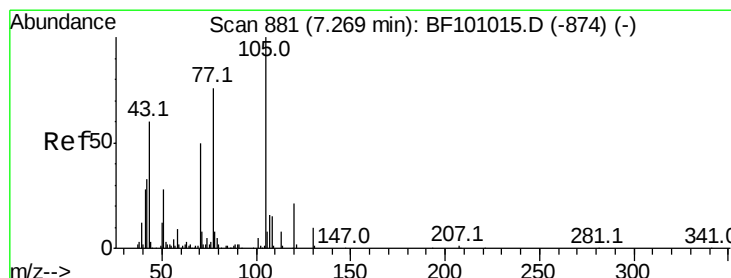
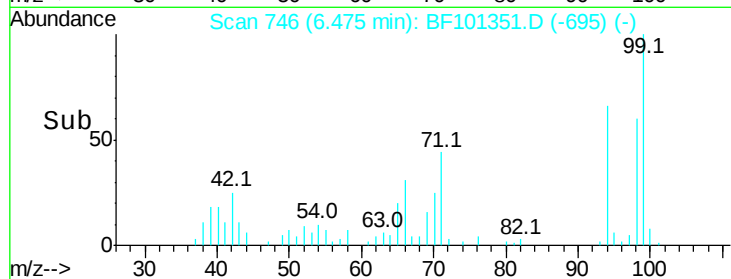
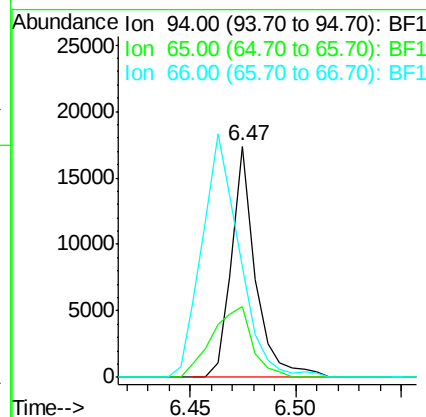
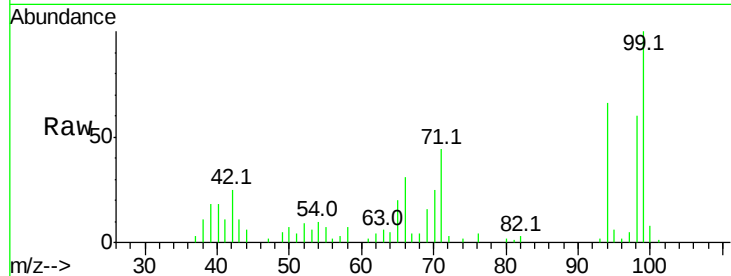




#10
Phenol
Concen: 3.504 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

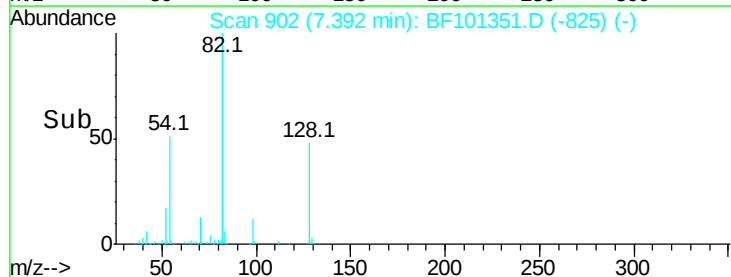
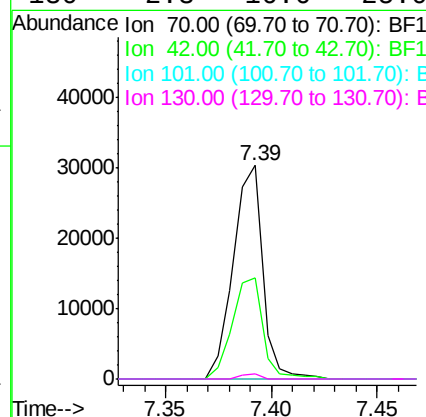
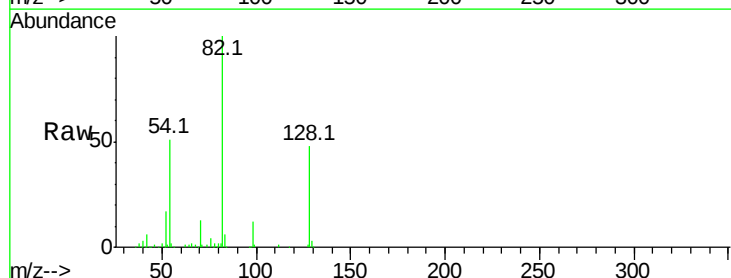
Instrument :
BNA_F
ClientSampled :

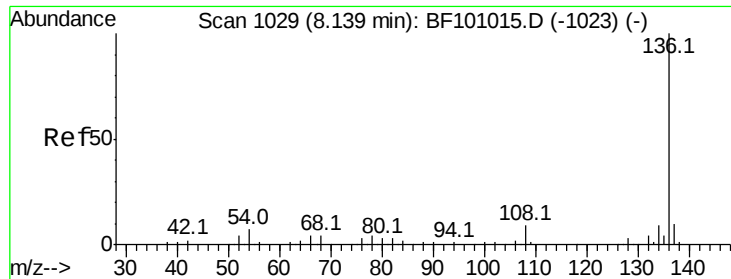
Tot Ion: 94 Resp: 13598
Ion Ratio Lower Upper
94 100
65 30.5 7.9 47.9
66 47.8 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.433 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Tgt Ion: 70 Resp: 29222
Ion Ratio Lower Upper
70 100
42 47.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

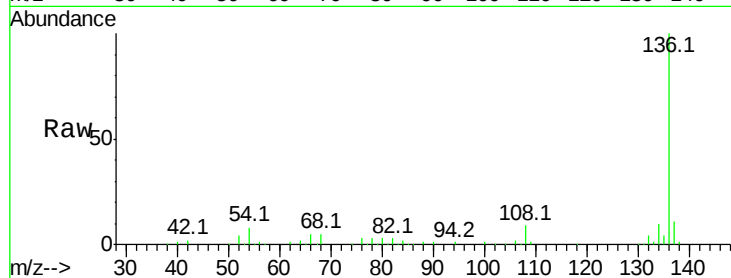




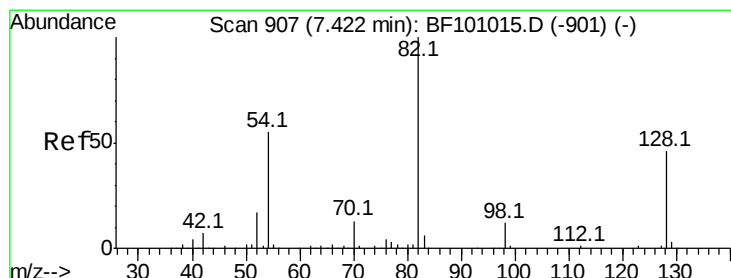
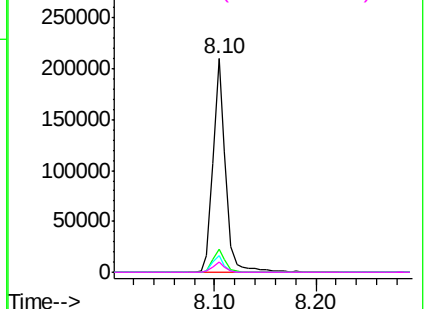
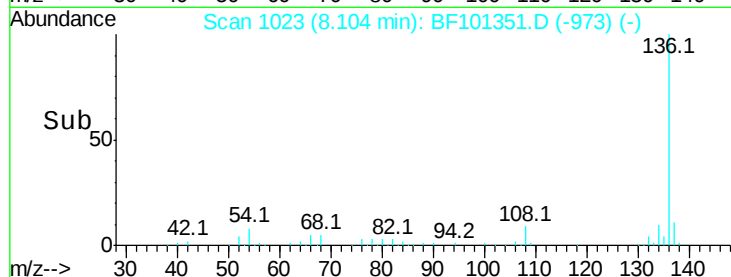
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	179738
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	6.6	9.8
68	4.9	5.0	7.4#

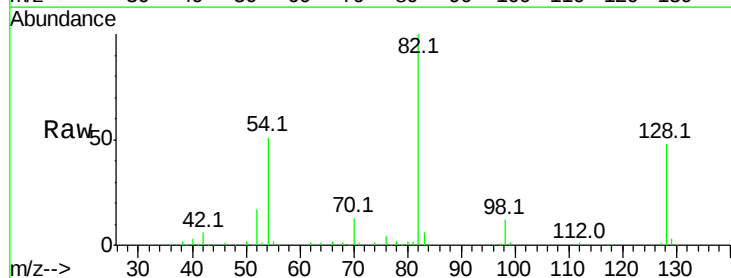


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

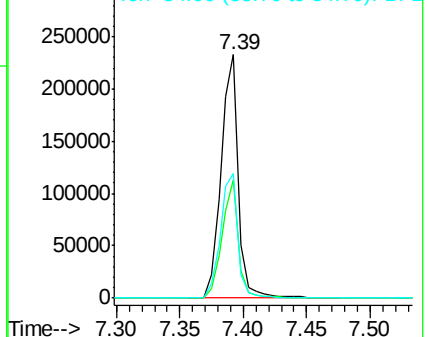
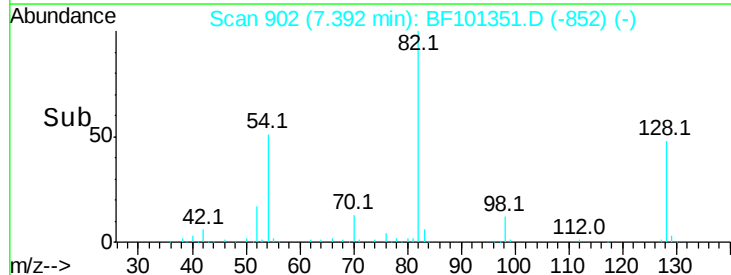


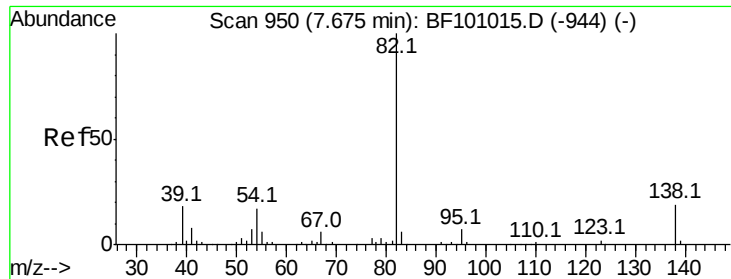
#23
Nitrobenzene-d5
Concen: 73.306 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Tgt Ion:	82	Resp:	220876
Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	51.2	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: 42.916 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

Instrument :

BNA_F

ClientSampleId :

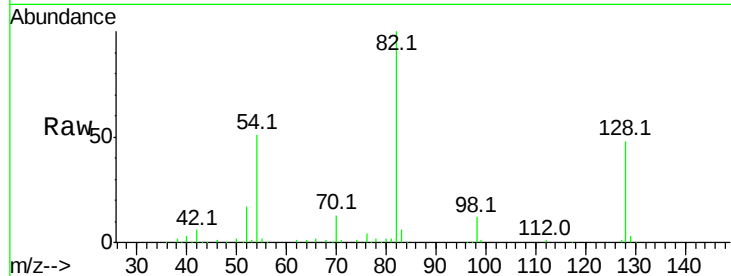
Tot Ion: 82 Resp: 220874

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

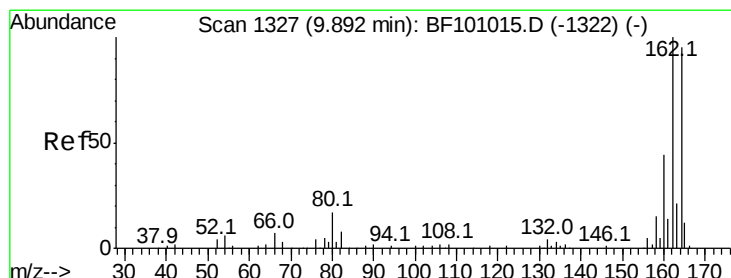
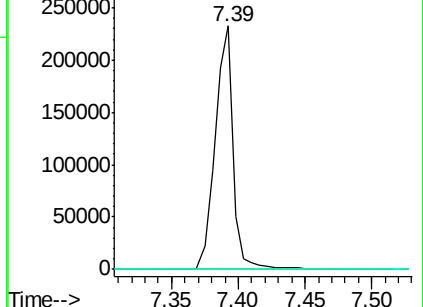
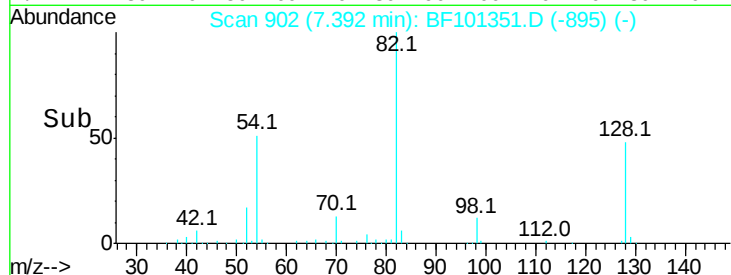
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

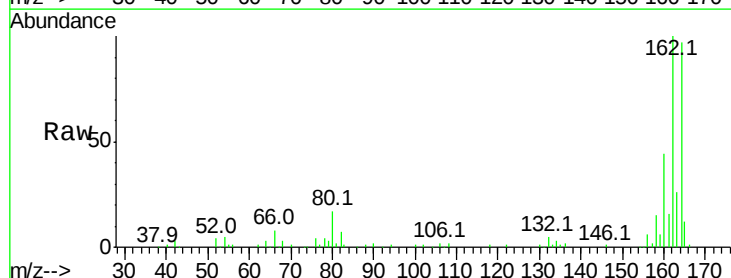
Tgt Ion:164 Resp: 76491

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

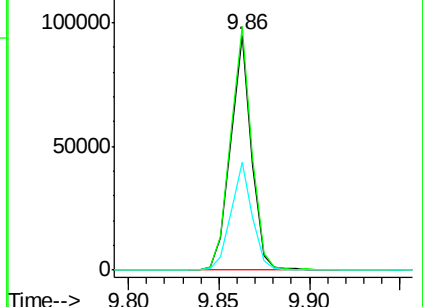
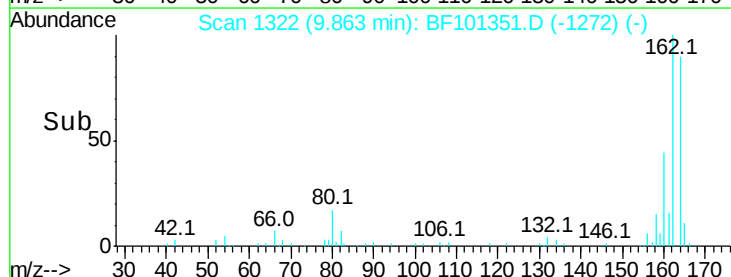
160 45.8 38.3 57.5

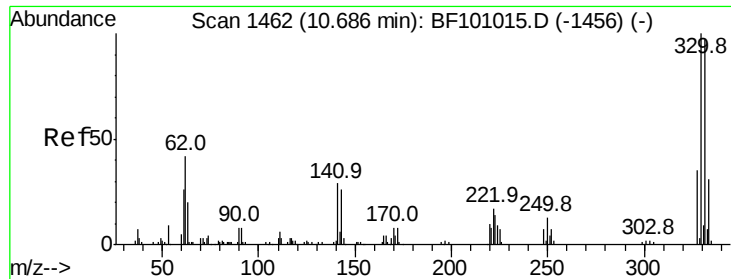


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

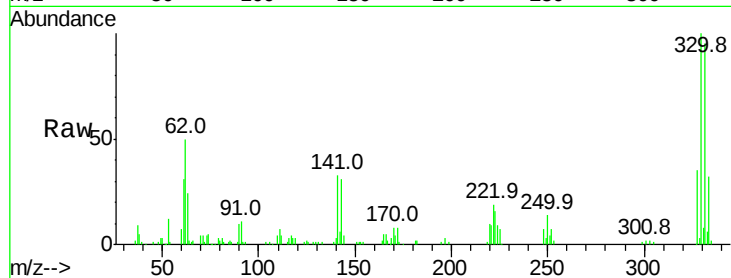




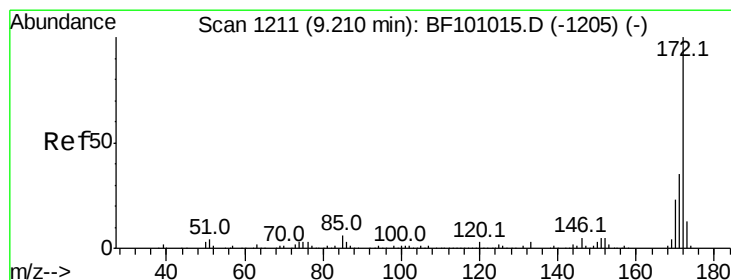
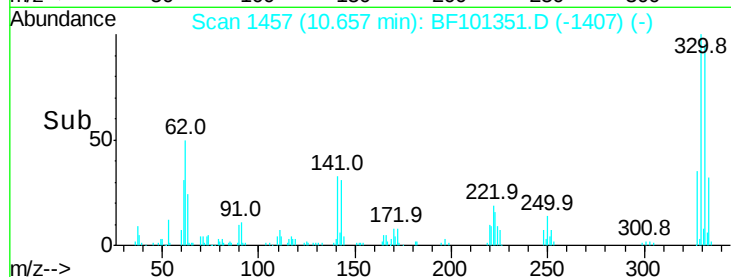
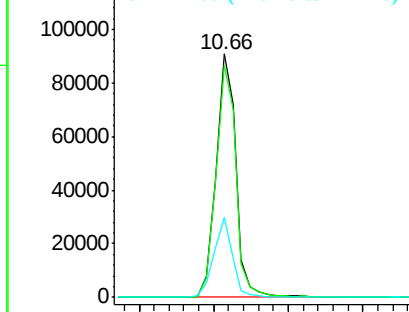
#41
 2,4,6-Tribromophenol
 Concen: 91.305 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 83898
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 30.4 29.9 44.9

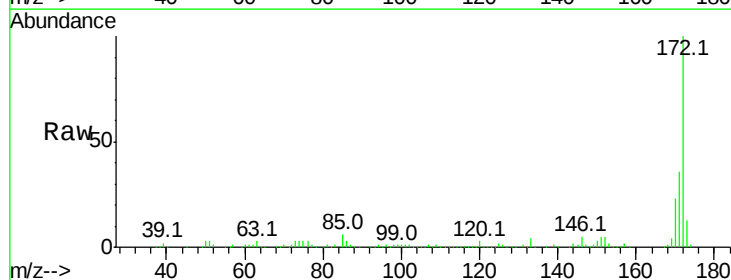


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

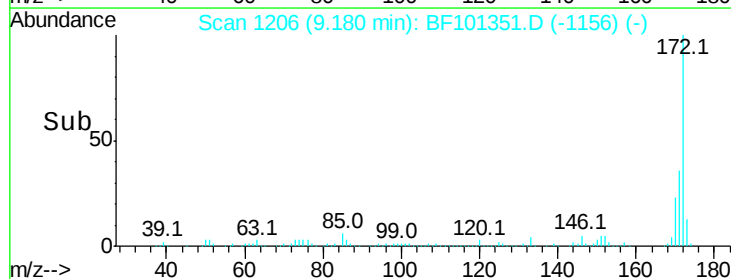
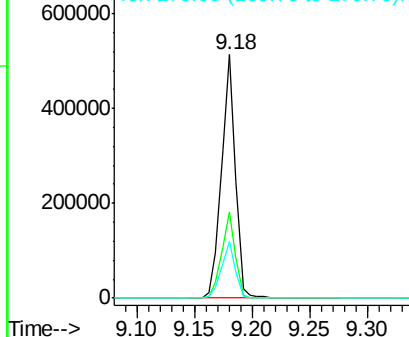


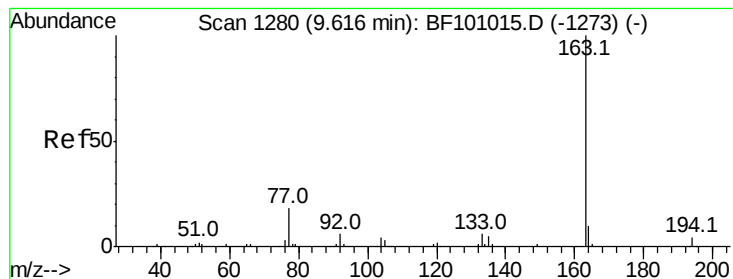
#44
 2-Fluorobiphenyl
 Concen: 76.992 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

Tgt Ion:172 Resp: 430434
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.1 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: 11.648 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

Instrument :

BNA_F

ClientSampleId :

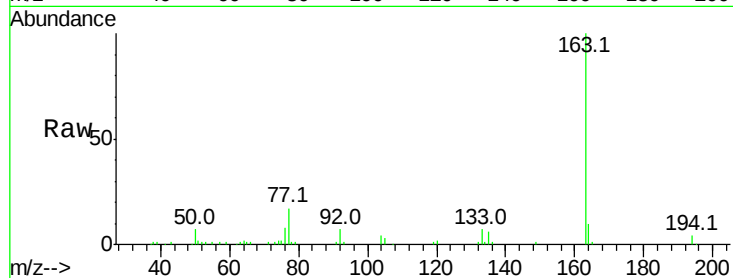
Tot Ion:163 Resp: 71852

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

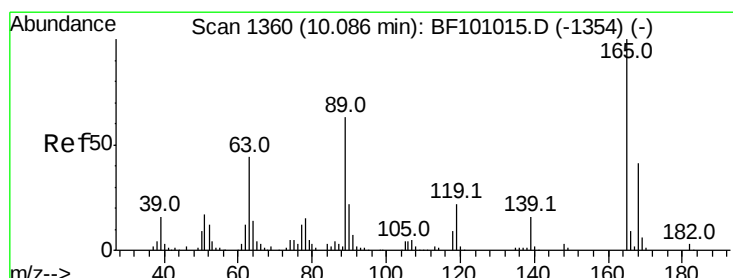
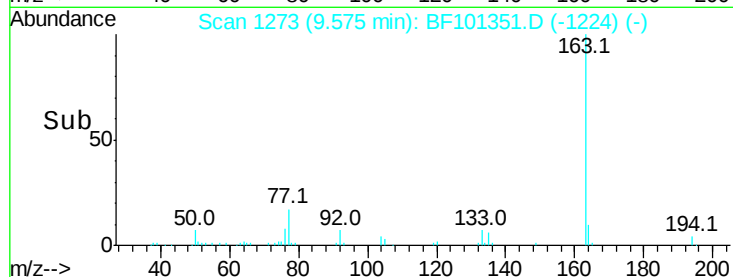
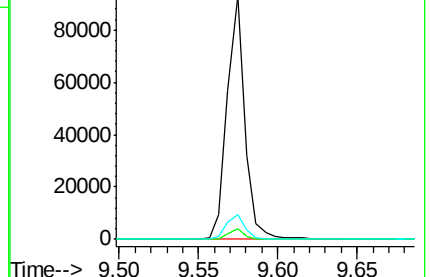
164 10.0 8.2 12.2



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: 5.573 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

Tgt Ion:165 Resp: 9704

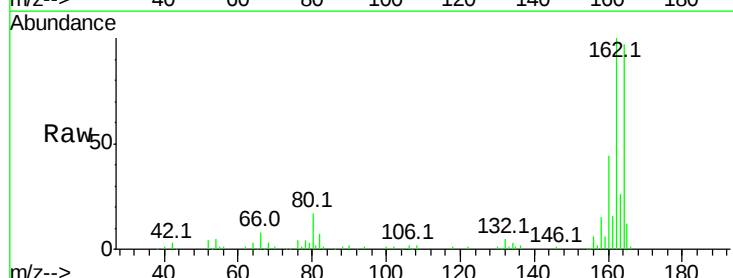
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

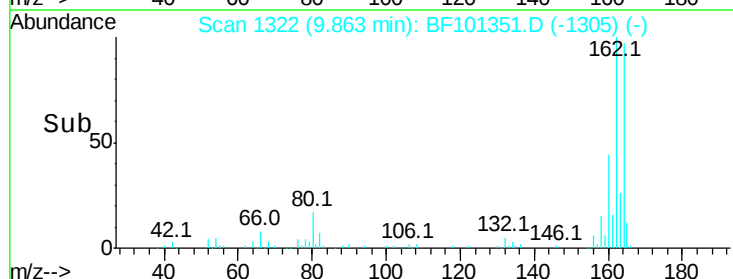
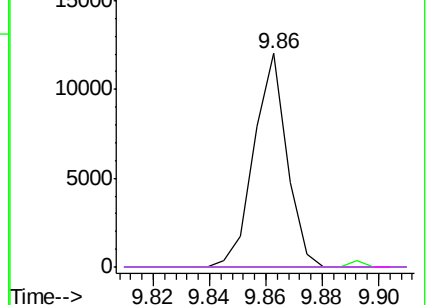


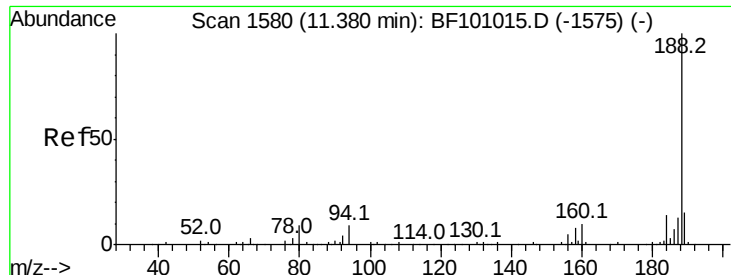
Abundance Ion 165.00 (164.70 to 165.70): E

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

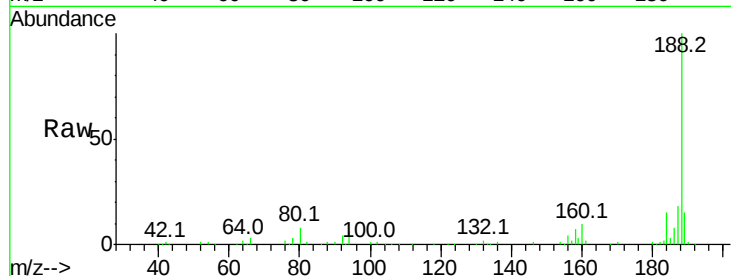




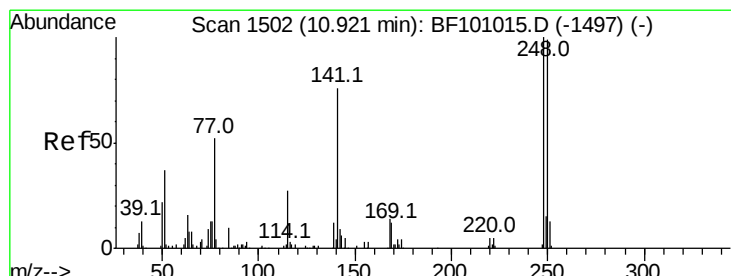
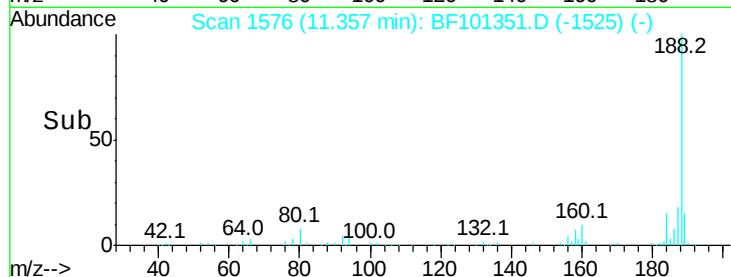
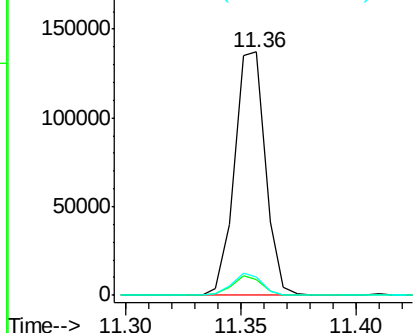
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 128190
 Ion Ratio Lower Upper
 188 100
 94 6.4 8.5 12.7#
 80 7.7 9.2 13.8#

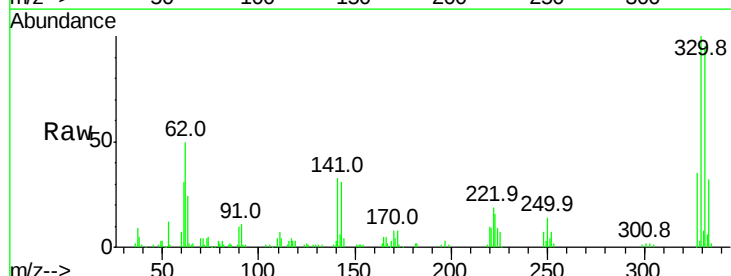


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

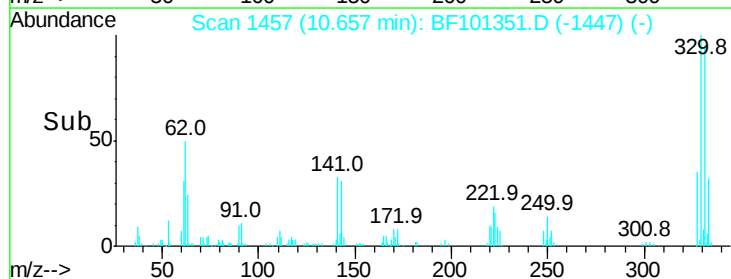
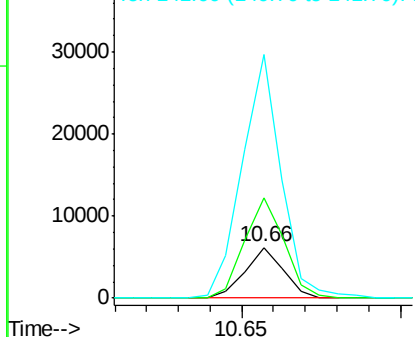


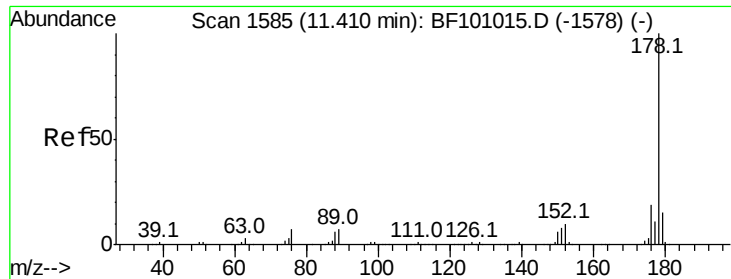
#66
 4-Bromophenyl-phenylether
 Concen: 3.585 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

Tgt Ion:248 Resp: 5144
 Ion Ratio Lower Upper
 248 100
 250 198.9 76.9 115.3#
 141 480.5 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

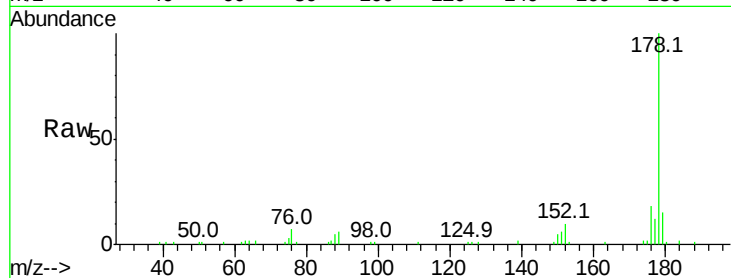




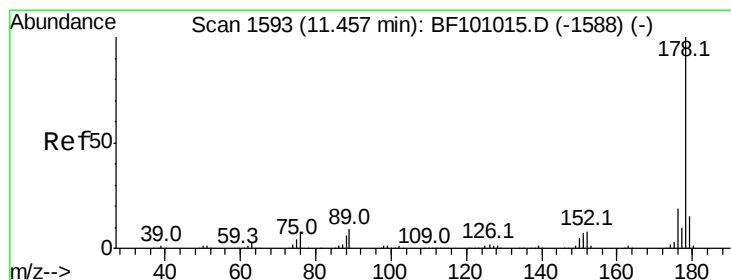
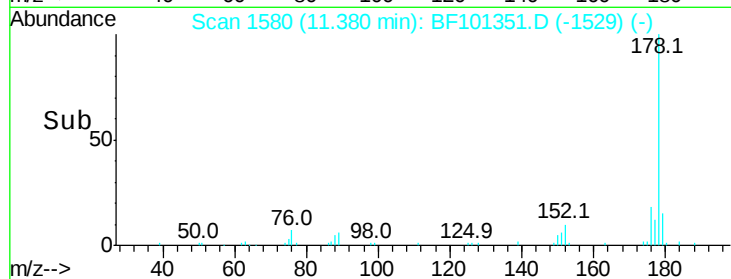
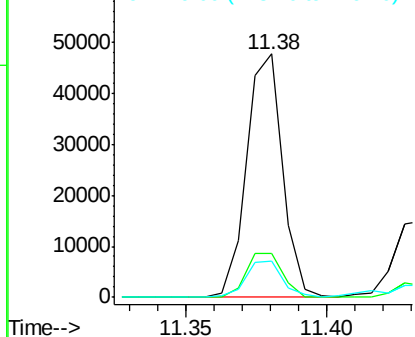
#70
 Phenanthrene
 Concen: 5.962 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 42085
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.8 23.8
 179 15.1 13.0 19.6

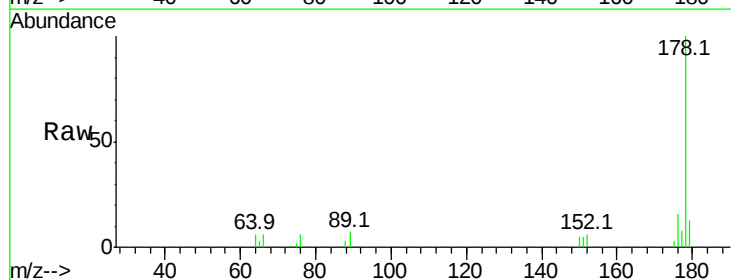


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

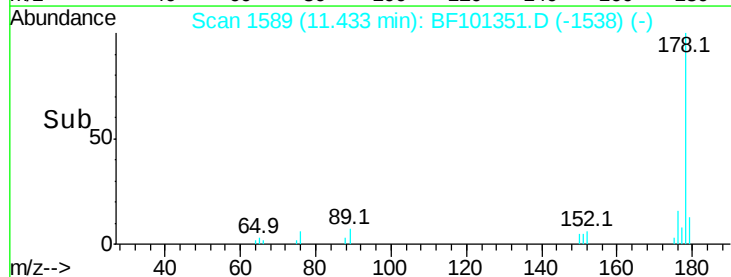
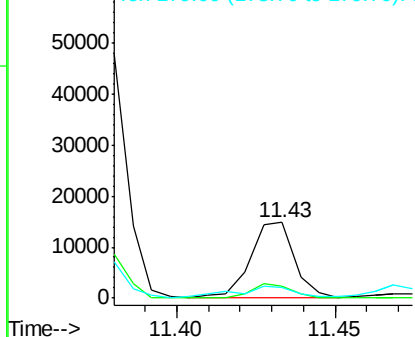


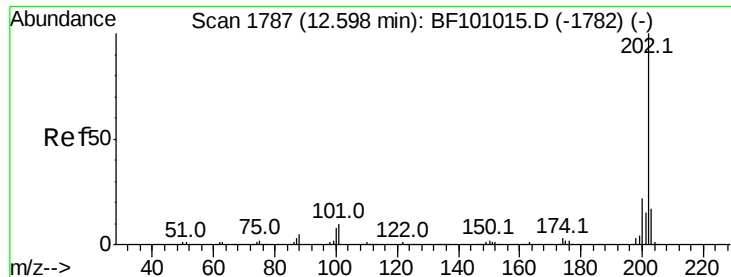
#71
 Anthracene
 Concen: 2.022 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

Tgt Ion:178 Resp: 14447
 Ion Ratio Lower Upper
 178 100
 176 15.5 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: 7.110 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

Instrument :

BNA_F

ClientSampleId :

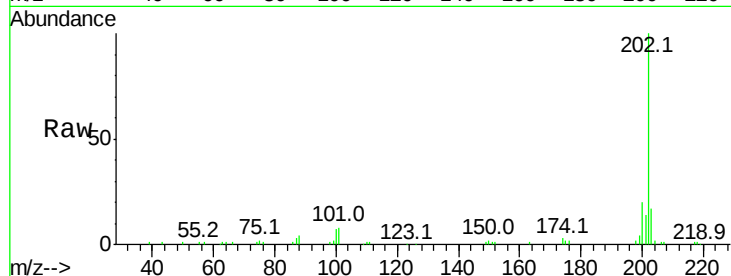
Tot Ion:202 Resp: 55638

Ion Ratio Lower Upper

202 100

101 8.3 0.0 34.1

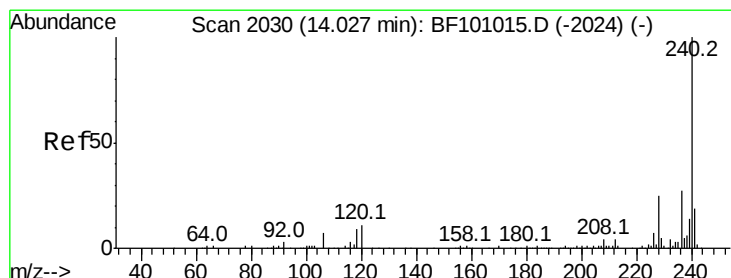
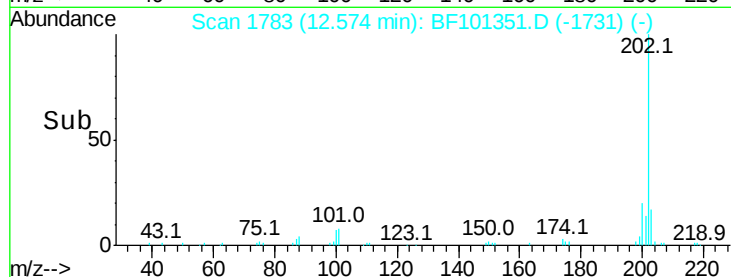
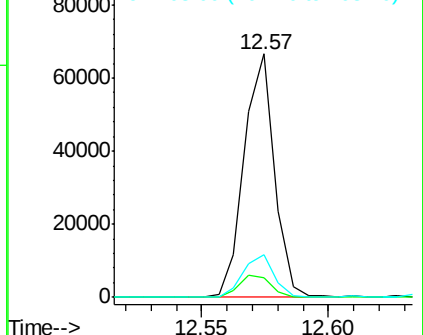
203 17.5 0.0 38.1



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: 14.00 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

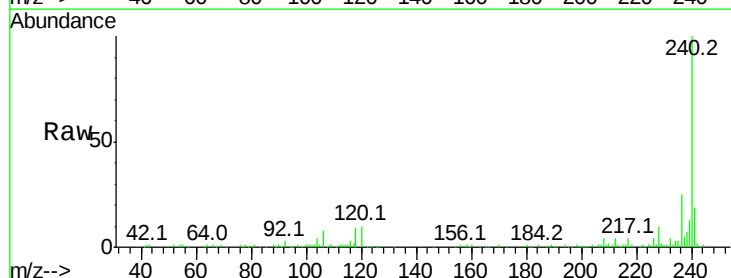
Tgt Ion:240 Resp: 107686

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

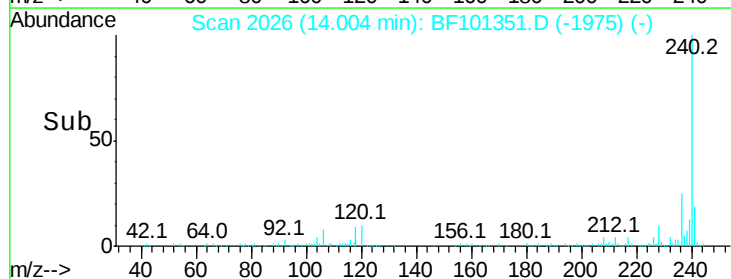
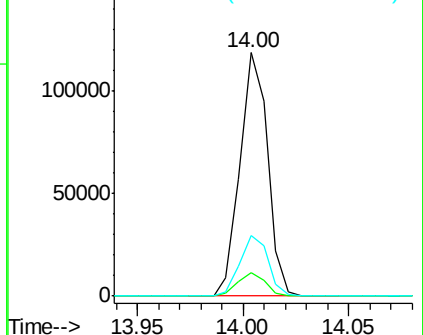
236 24.8 20.7 31.1

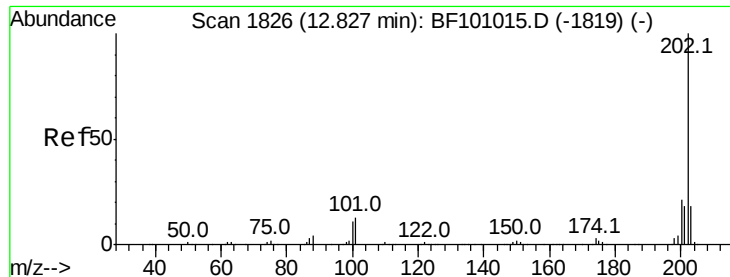


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

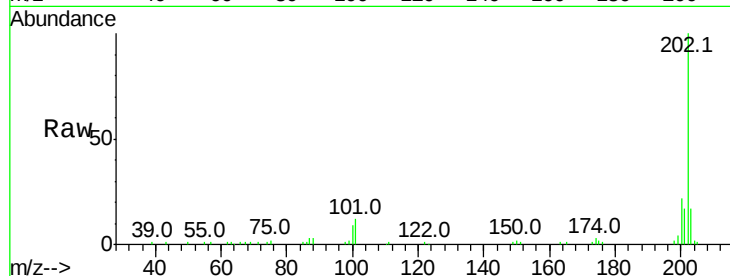




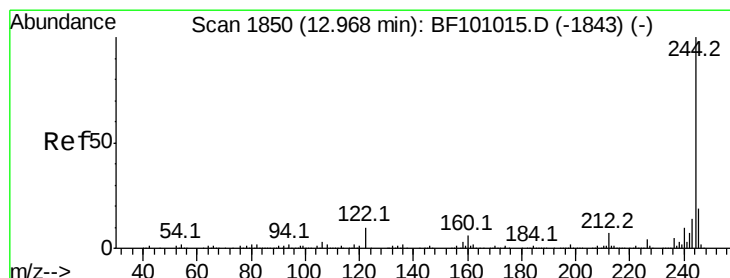
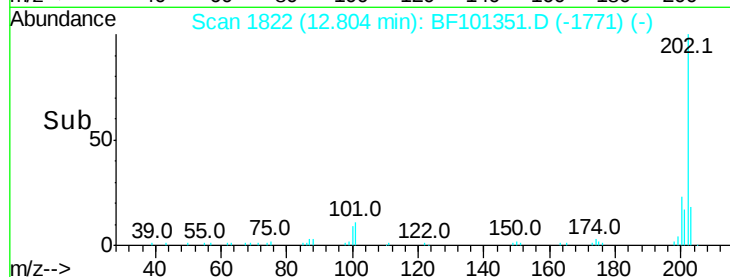
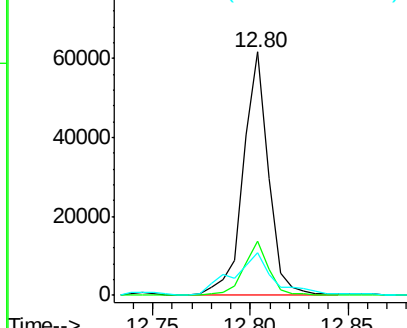
#77
Pvrene
Concen: 7.481 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 55590
Ion Ratio Lower Upper
202 100
200 22.5 17.4 26.2
203 17.5 14.3 21.5

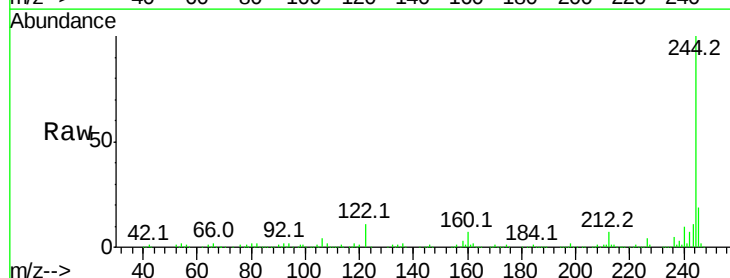


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

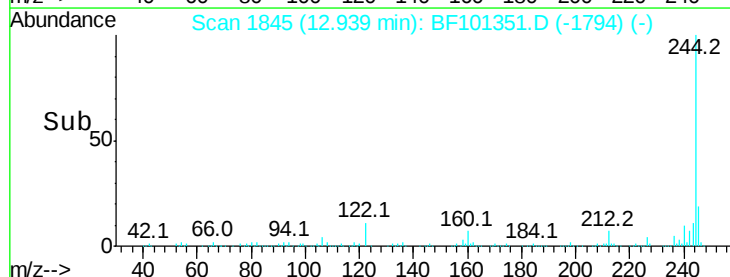
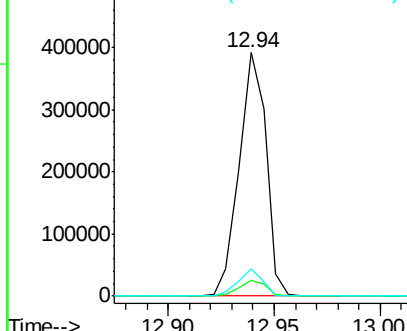


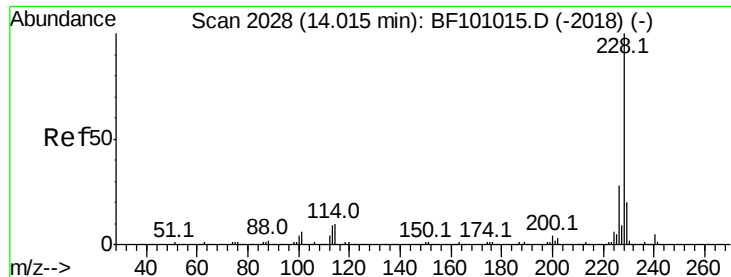
#78
Terphenyl-d14
Concen: 70.122 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Tgt Ion:244 Resp: 345232
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.2 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

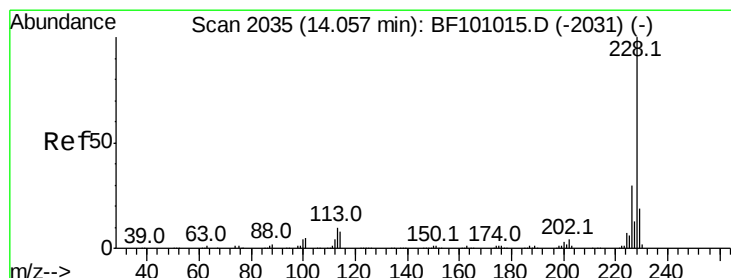
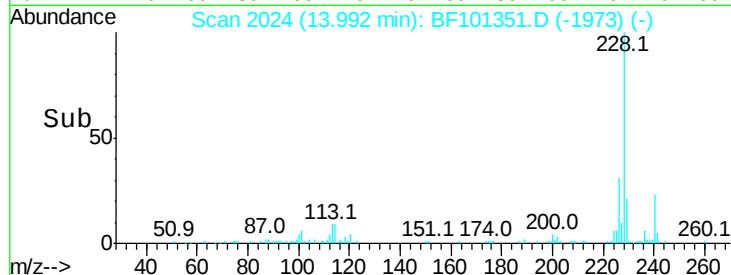
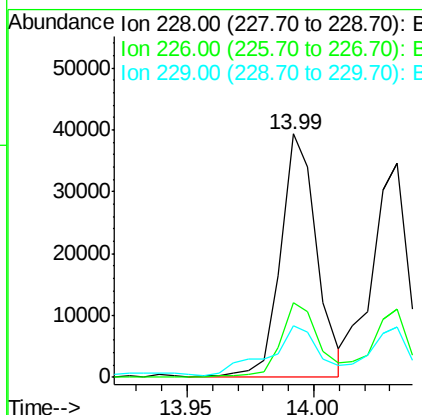
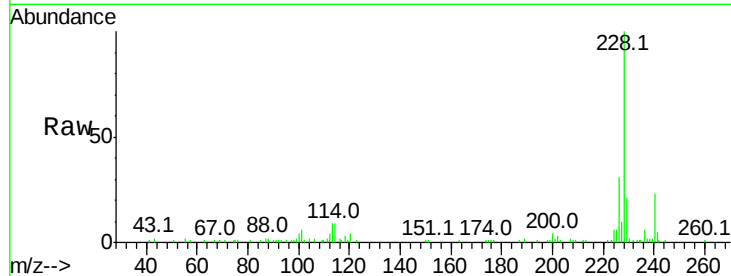




#80
Benzo(a)anthracene
Concen: 5.794 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

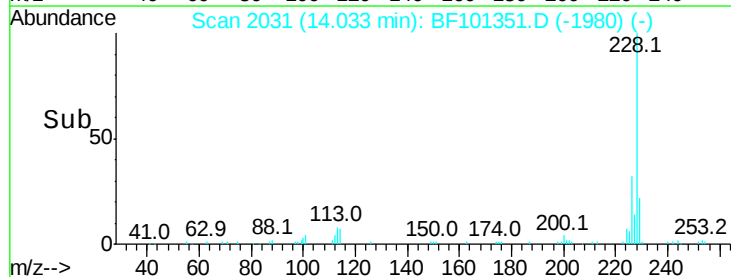
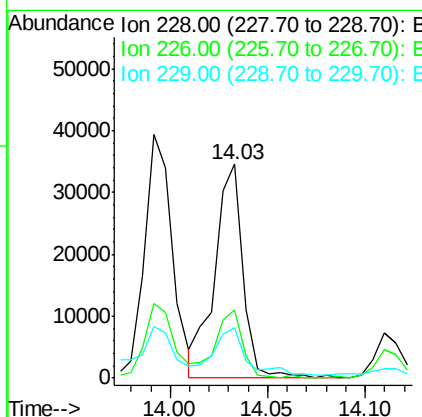
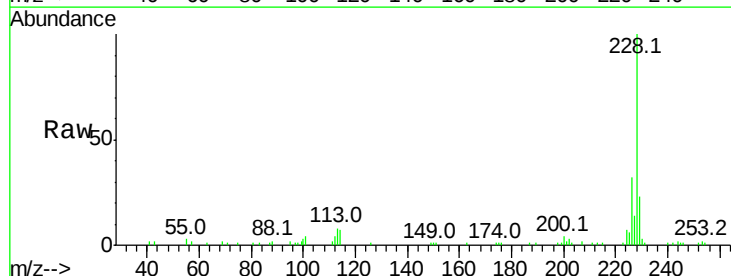
Instrument :
BNA_F
ClientSampleId :

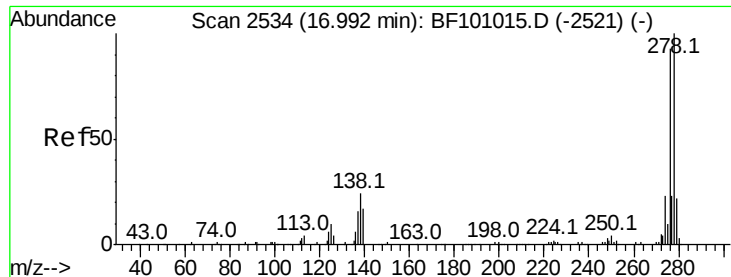
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	21.3	15.8	23.6



#82
Chrysene
Concen: 5.548 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	23.3	16.2	24.4

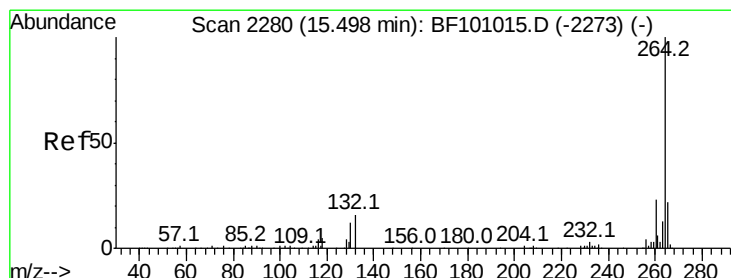
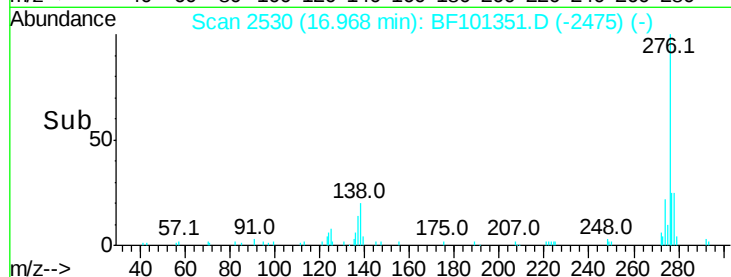
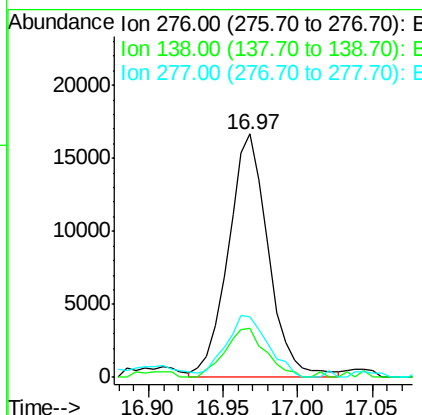
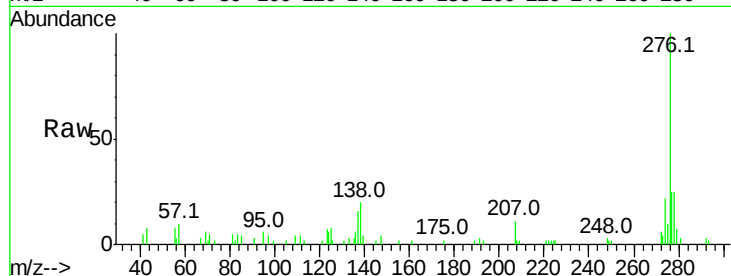




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.562 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.02 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

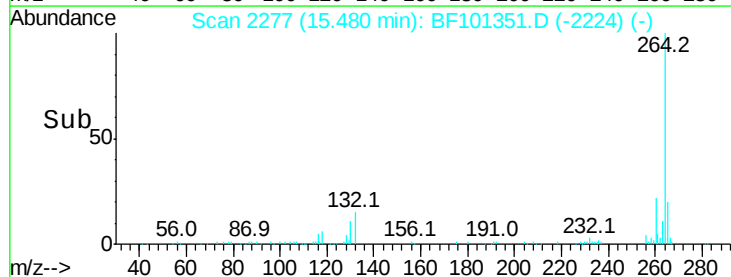
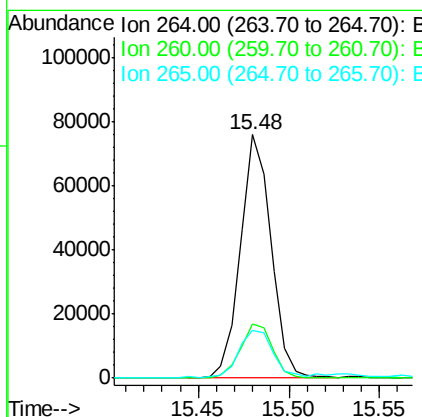
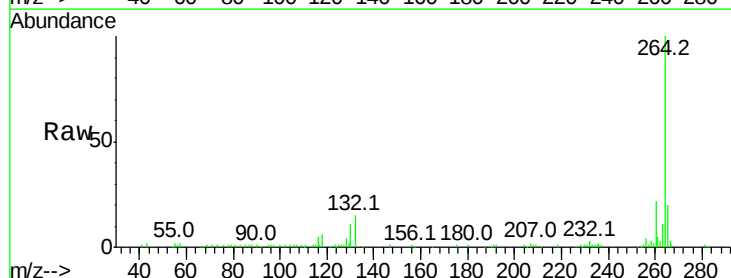
Instrument :
 BNA_F
 ClientSampleId :

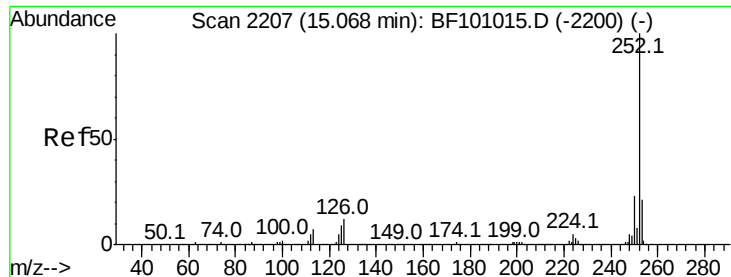
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	25.0	37.6#
277	26.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.01 min
 Lab File: BF101351.D
 Acq: 13 Dec 2017 00:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	19.6	17.5	26.3

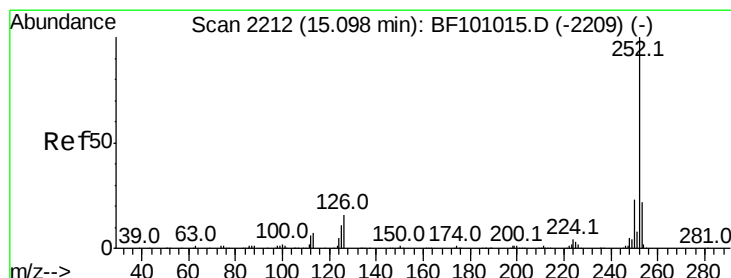
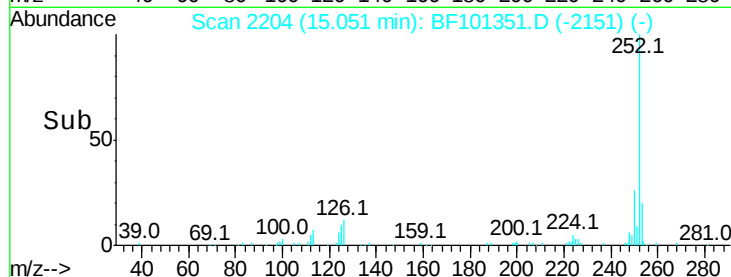
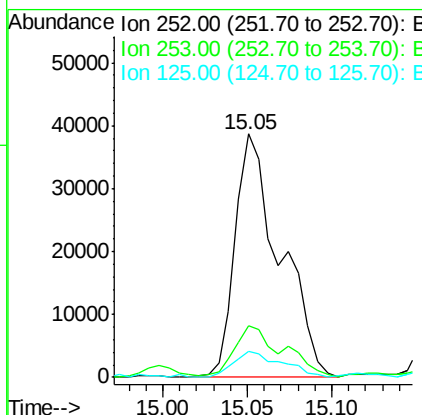
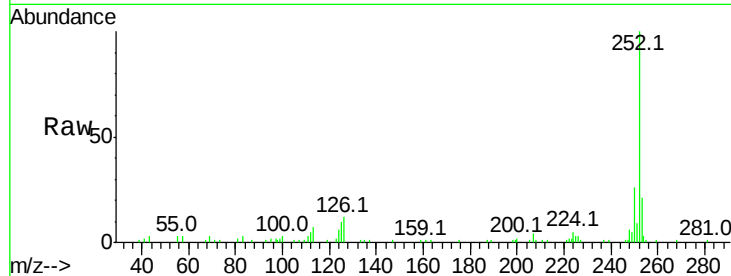




#87
Benzo(b)fluoranthene
Concen: 13.346 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

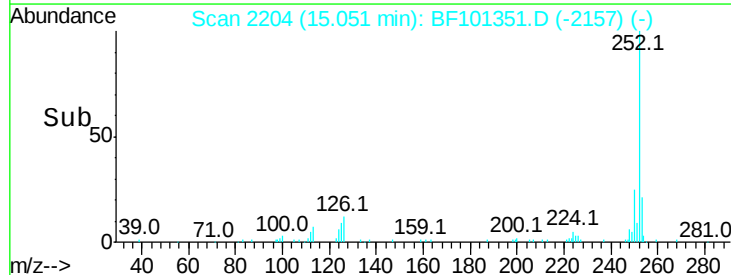
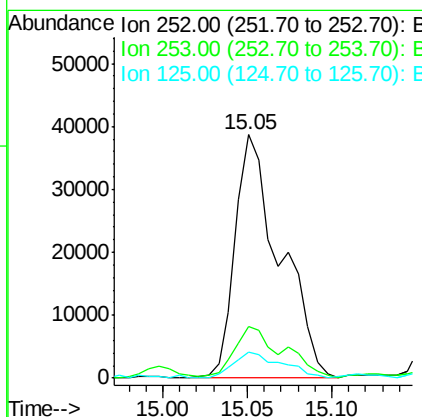
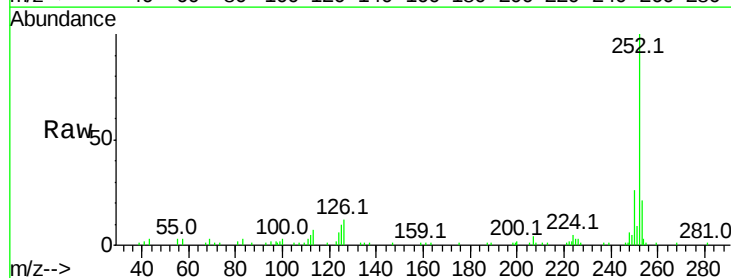
Instrument :
BNA_F
ClientSampleId :

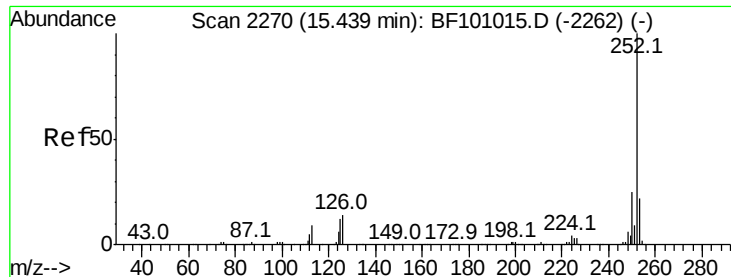
Tot Ion:252 Resp: 71543
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 10.4 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 13.546 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101351.D
Acq: 13 Dec 2017 00:55

Tgt Ion:252 Resp: 71543
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 10.4 10.2 15.2





#89

Benzo(a)pyrene

Concen: 9.467 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

Instrument :

BNA_F

ClientSampleId :

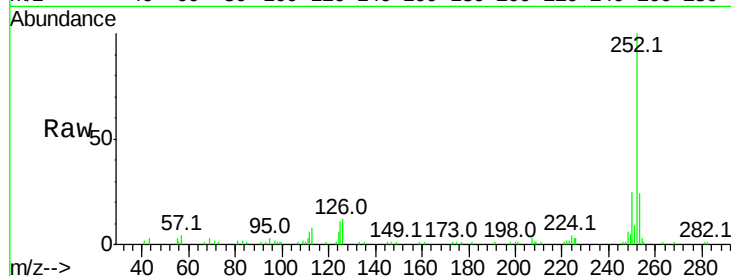
Tot Ion:252 Resp: 46136

Ion Ratio Lower Upper

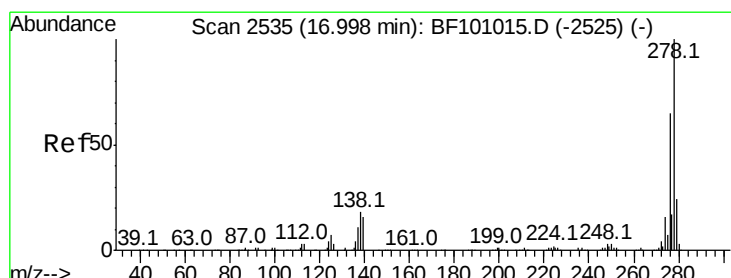
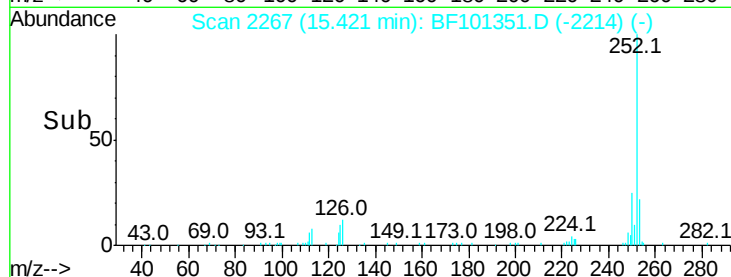
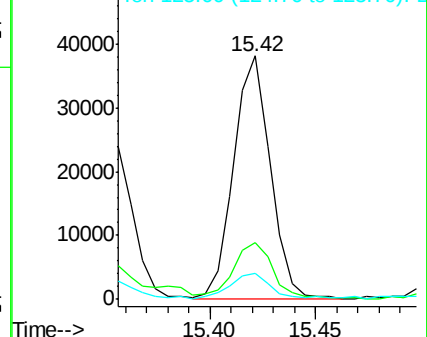
252 100

253 23.5 17.1 25.7

125 10.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.081 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

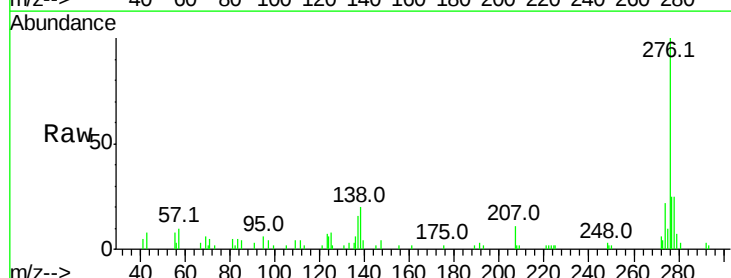
Tgt Ion:278 Resp: 8941

Ion Ratio Lower Upper

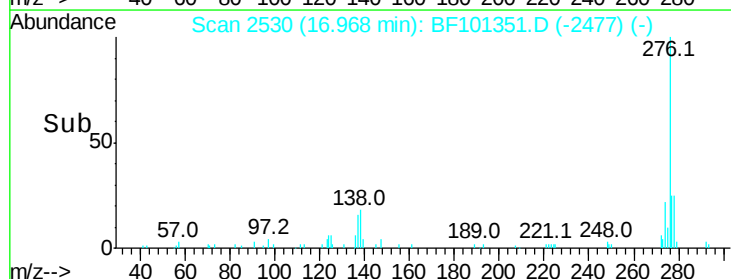
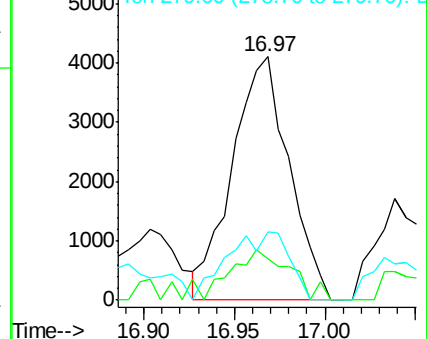
278 100

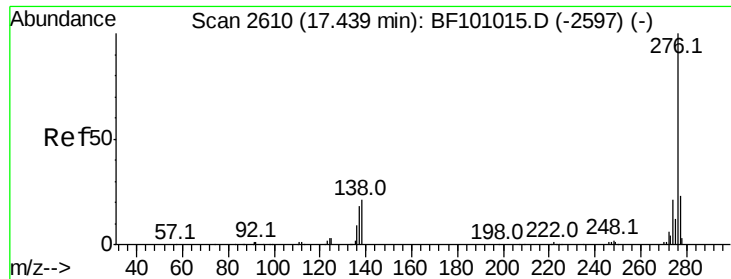
139 16.8 15.9 23.9

279 27.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.888 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.03 min

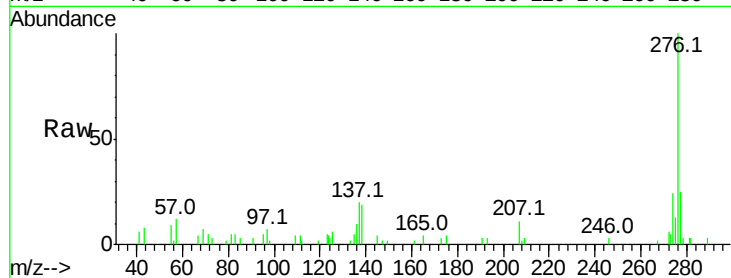
Lab File: BF101351.D

Acq: 13 Dec 2017 00:55

Instrument :

BNA_F

ClientSampleId :



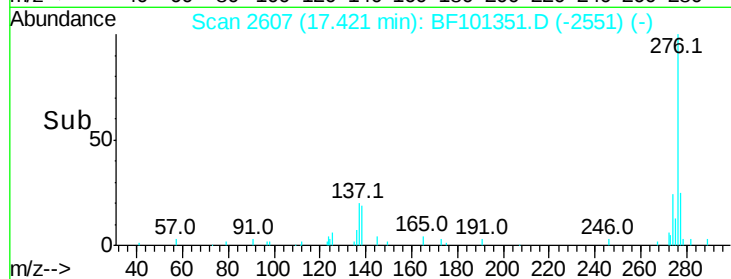
Tot Ion:276 Resp: 27887

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 18.9 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

