

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100095.D
 Acq On : 2 Nov 2017 19:55
 Operator : SJ/JU
 Sample : I6233-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 20:23:44 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	88991	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	357900	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	156125	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	252330	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	149109	20.00	ng	-0.02
86) Perylene-d12	15.41	264	152193	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	584111	103.05	ng	0.00
7) Phenol-d6	6.42	99	707887	105.32	ng	-0.01
23) Nitrobenzene-d5	7.34	82	397888	71.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	148285	104.22	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	786678	77.74	ng	0.00
78) Terphenyl-d14	12.88	244	537851	78.83	ng	-0.02

Target Compounds

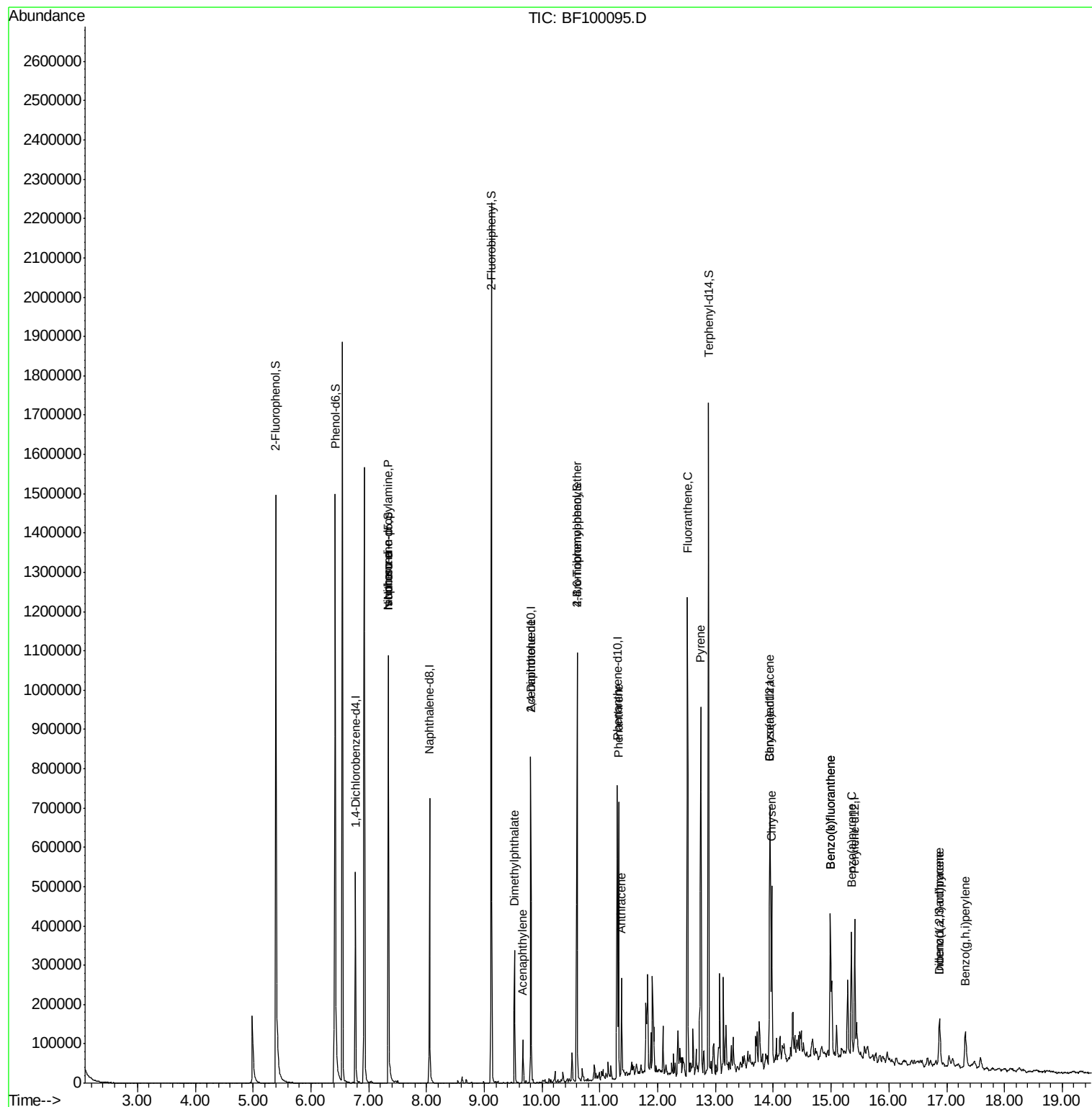
						Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	48712	12.368	ng	# 73
25) Isophorone	7.34	82	397888	39.444	ng	# 64
48) Acenaphthylene	9.67	152	49260	3.118	ng	100
49) Dimethylphthalate	9.52	163	135977	10.998	ng	99
56) 2,4-Dinitrotoluene	9.80	165	19435	6.209	ng	# 21
66) 4-Bromophenyl-phenylether	10.60	248	9971	3.754	ng	# 1
70) Phenanthrene	11.32	178	252296	17.717	ng	98
71) Anthracene	11.37	178	97945	6.776	ng	99
74) Fluoranthene	12.52	202	455054	30.749	ng	99
77) Pyrene	12.74	202	370679	32.693	ng	99
80) Benzo(a)anthracene	13.94	228	192645	20.380	ng	99
82) Chrysene	13.97	228	148464	16.707	ng	98
85) Indeno(1,2,3-cd)pyrene	16.88	276	83780	10.270	ng	92
87) Benzo(b)fluoranthene	14.99	252	255520	26.588	ng	# 95
88) Benzo(k)fluoranthene	14.99	252	255520	28.196	ng	98
89) Benzo(a)pyrene	15.35	252	145761	16.885	ng	98
90) Dibenzo(a,h)anthracene	16.87	278	20168	2.629	ng	# 78
91) Benzo(g,h,i)perylene	17.32	276	68366	9.110	ng	92

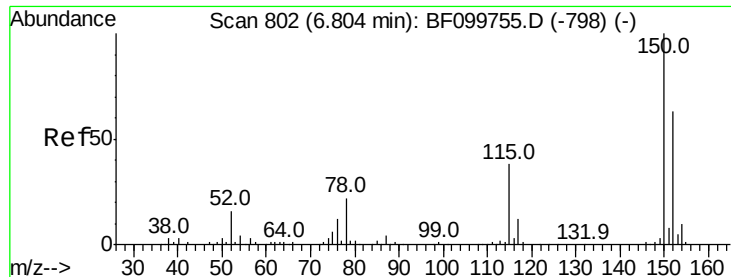
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 02 20:23:44 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



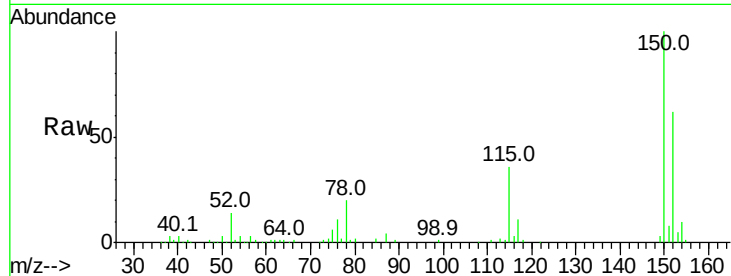


#1

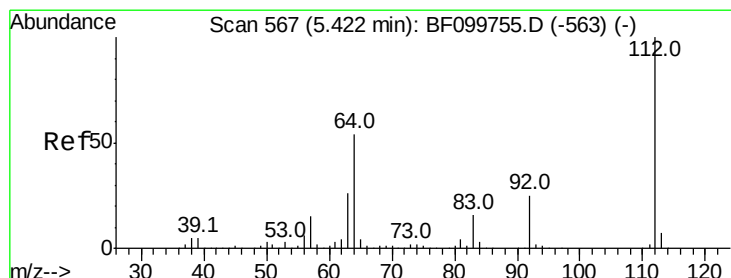
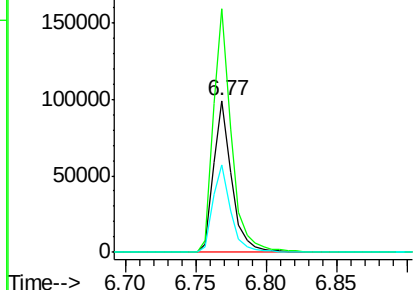
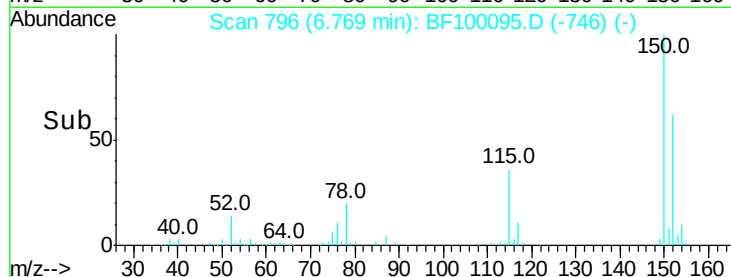
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88991
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 57.7 50.1 75.1



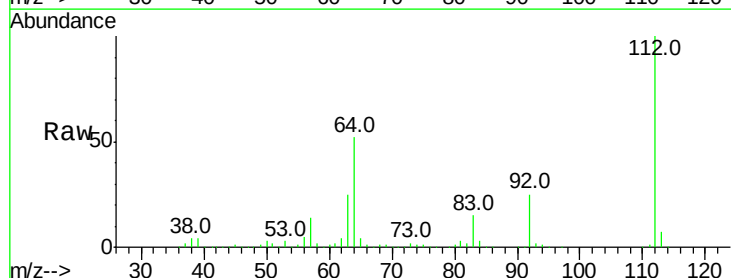
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



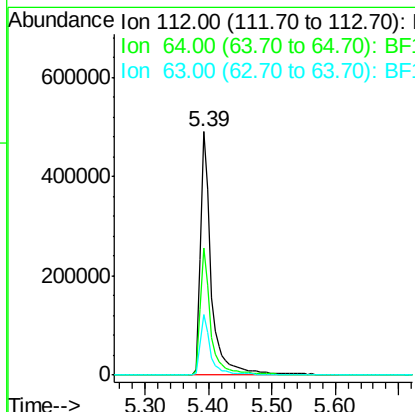
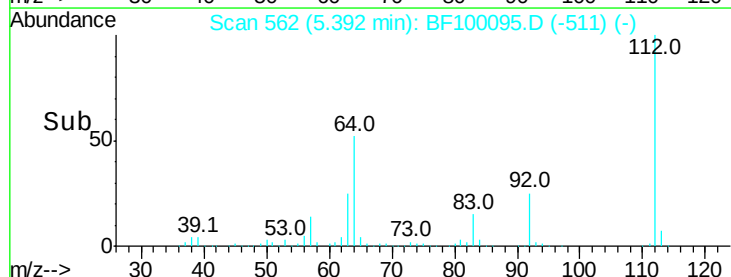
#5

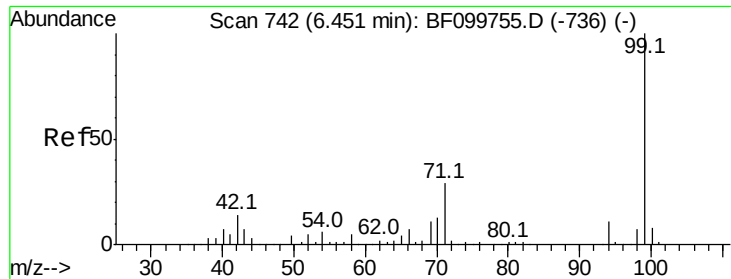
2-Fluorophenol
Concen: 103.048 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion:112 Resp: 584111
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 25.0 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: 105.324 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampleId :

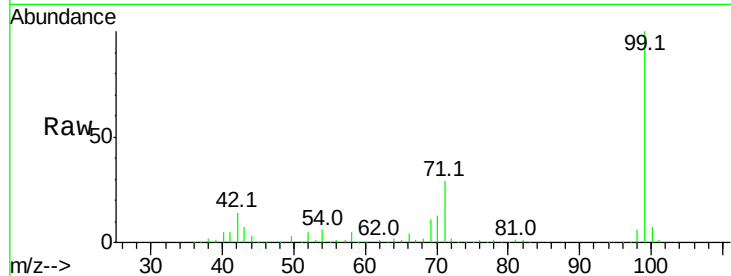
Tot Ion: 99 Resp: 707887

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

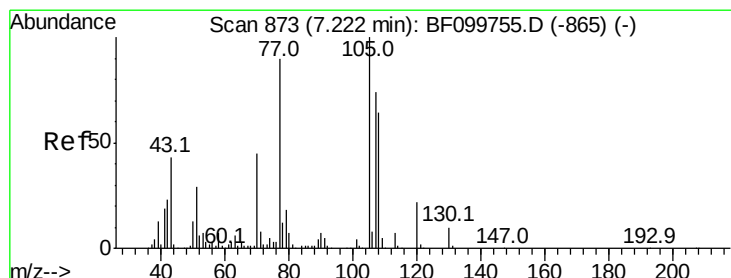
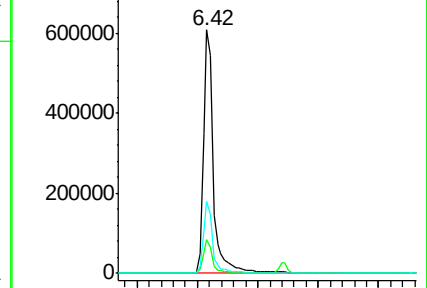
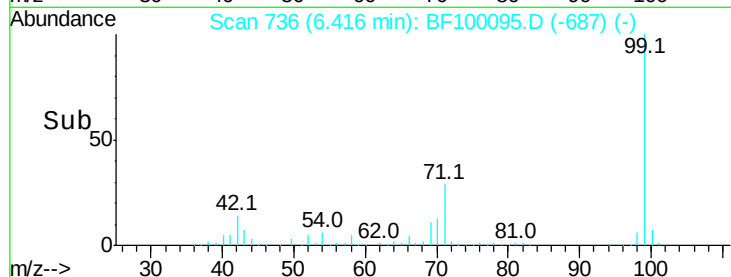
71 29.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.368 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Tgt Ion: 70 Resp: 48712

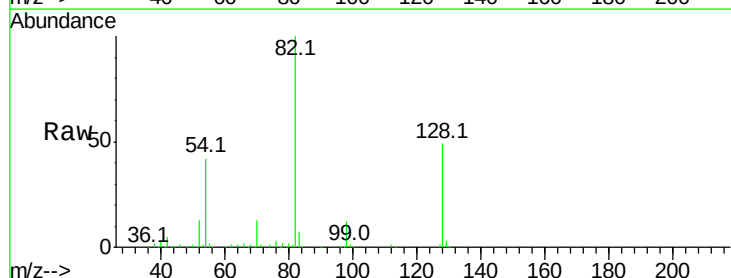
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

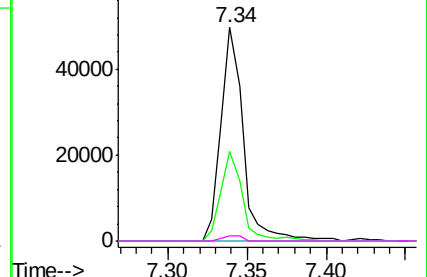
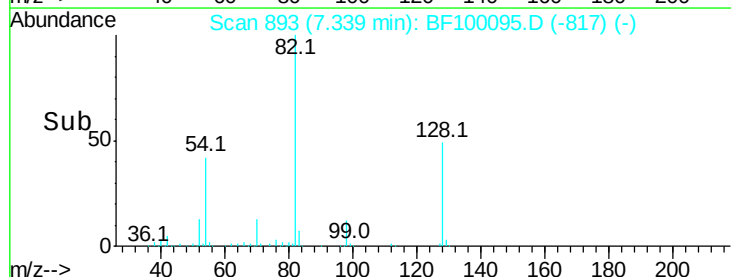


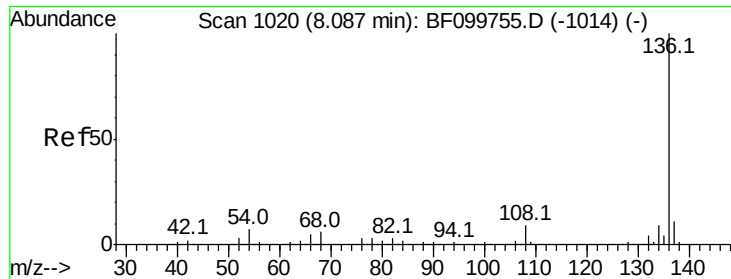
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

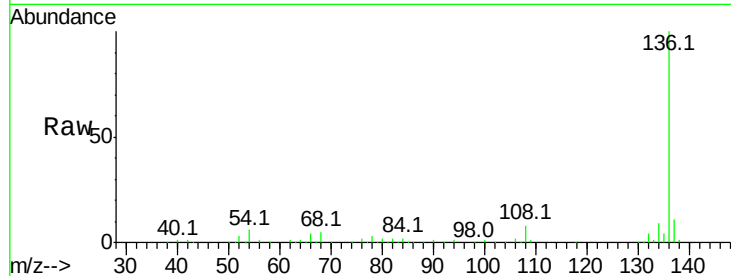




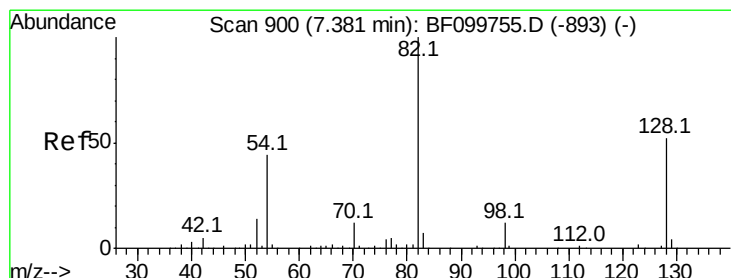
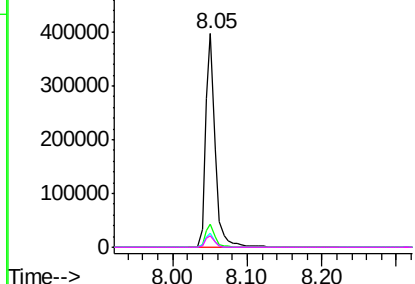
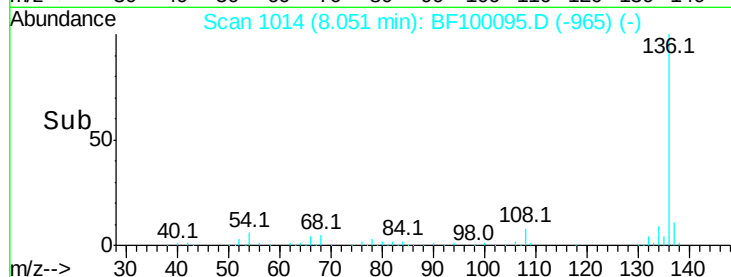
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	357900
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.4	6.6	9.8#
68	5.2	5.0	7.4

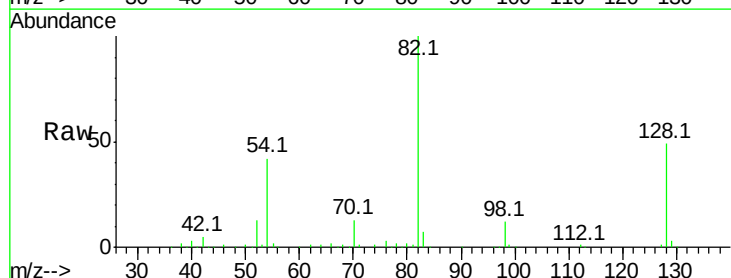


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

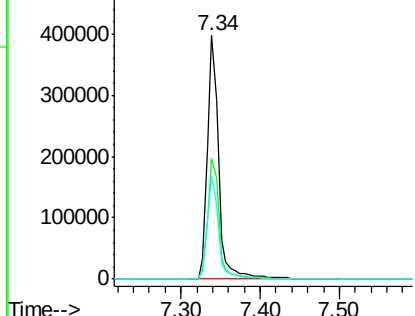
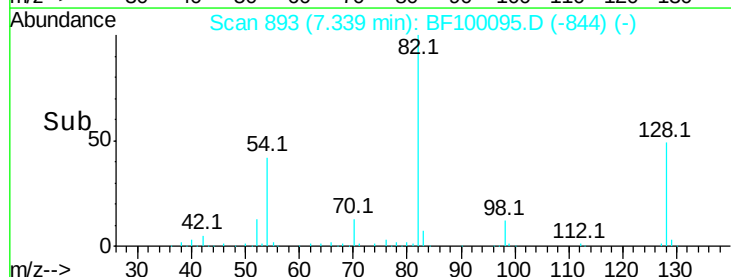


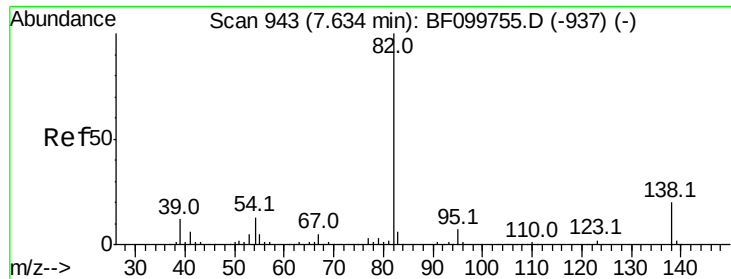
#23
Nitrobenzene-d5
Concen: 71.574 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion:	82	Resp:	397888
Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	42.5	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: 39.444 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampleId :

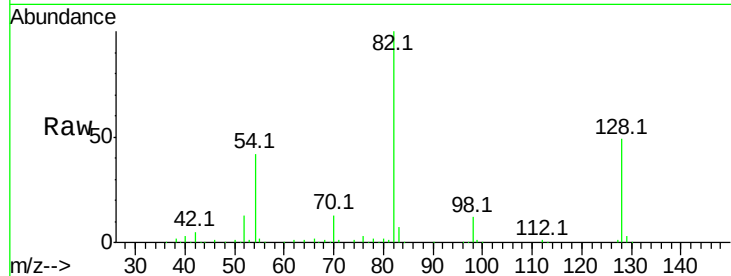
Tot Ion: 82 Resp: 397888

Ion Ratio Lower Upper

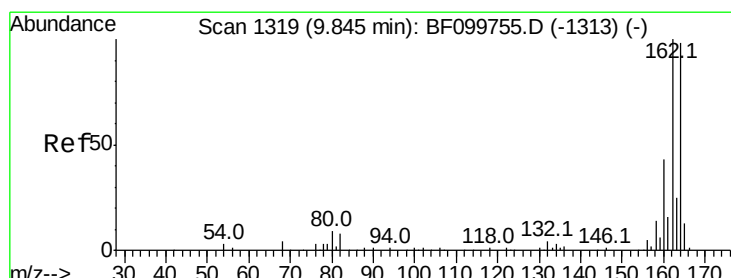
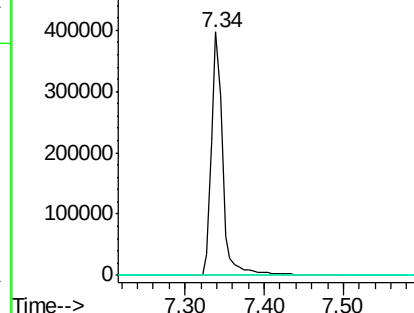
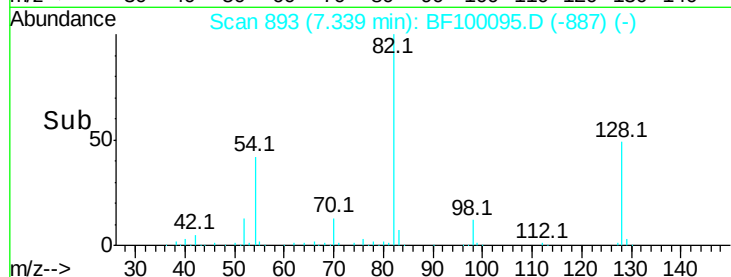
82 100

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: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

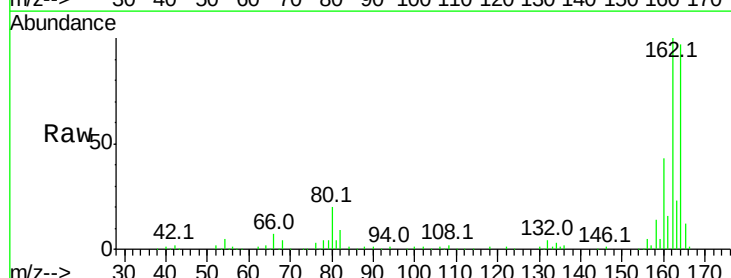
Tgt Ion:164 Resp: 156125

Ion Ratio Lower Upper

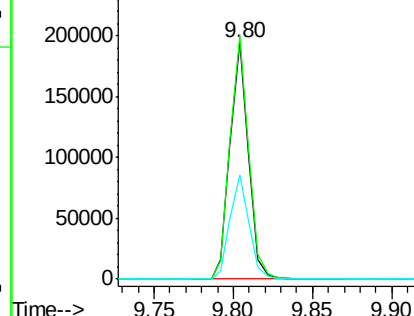
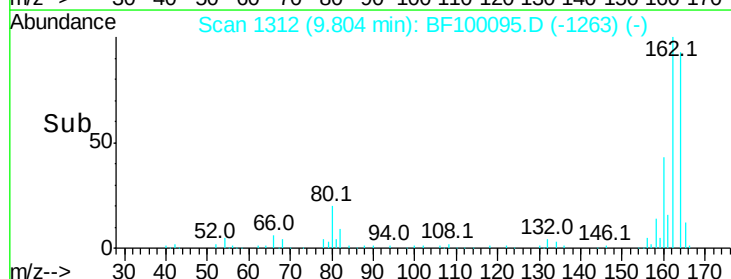
164 100

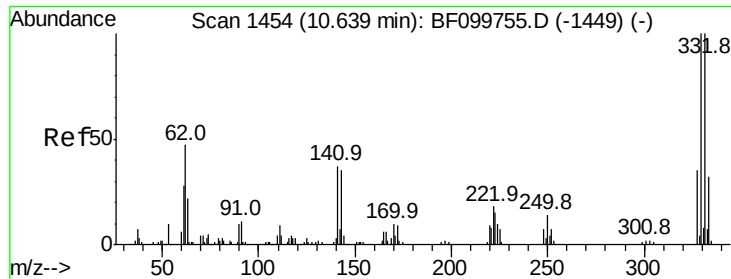
162 102.8 86.1 129.1

160 43.8 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

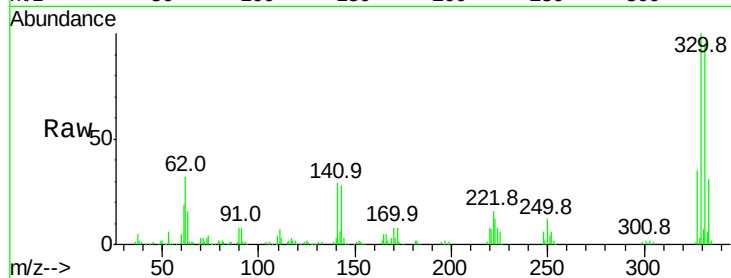




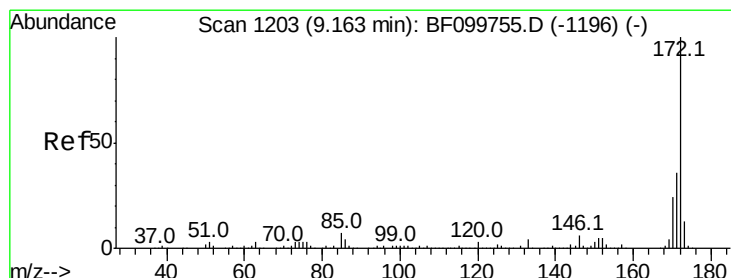
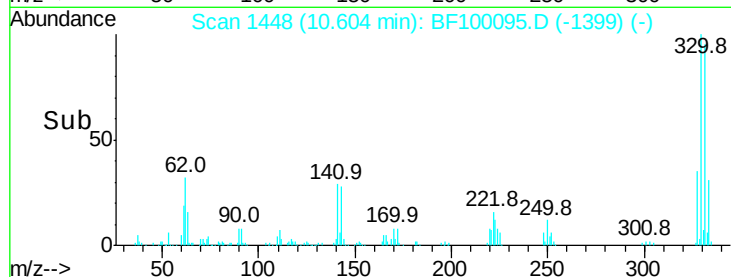
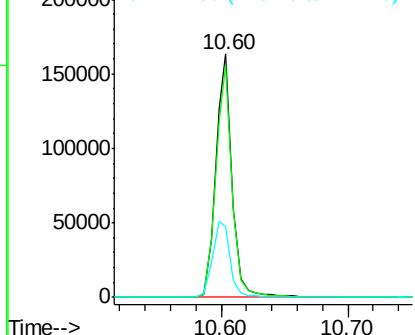
#41
 2,4,6-Tribromophenol
 Concen: 104.221 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 148285
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 34.3 29.9 44.9

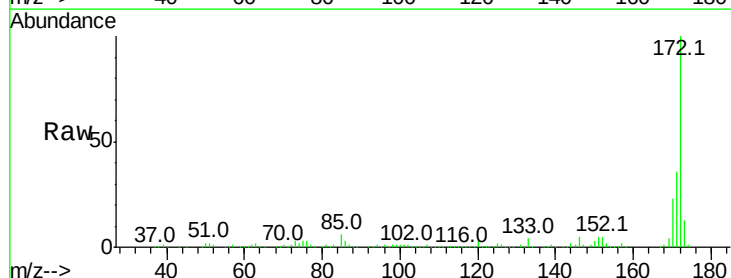


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

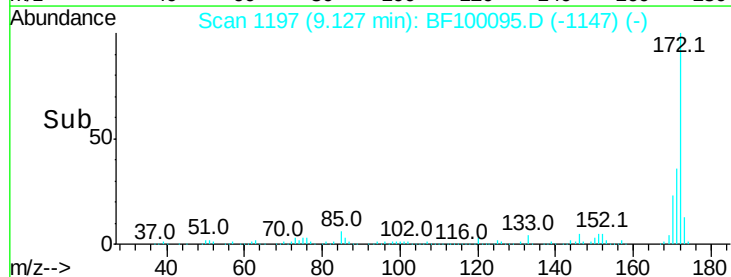
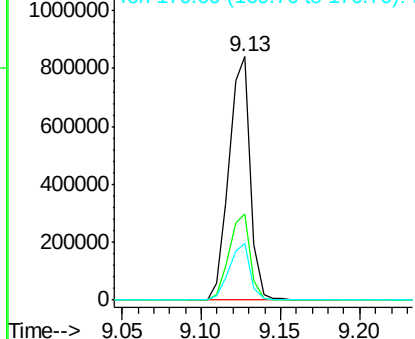


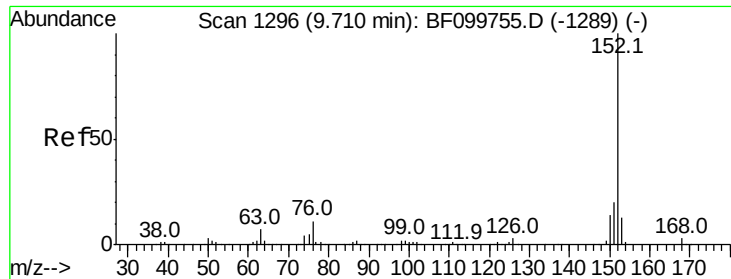
#44
 2-Fluorobiphenyl
 Concen: 77.740 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Tgt Ion:172 Resp: 786678
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.4 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





#48

Acenaphthylene

Concen: 3.118 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampleId :

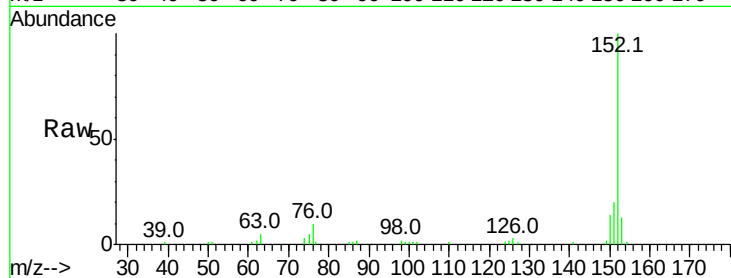
Tot Ion:152 Resp: 49260

Ion Ratio Lower Upper

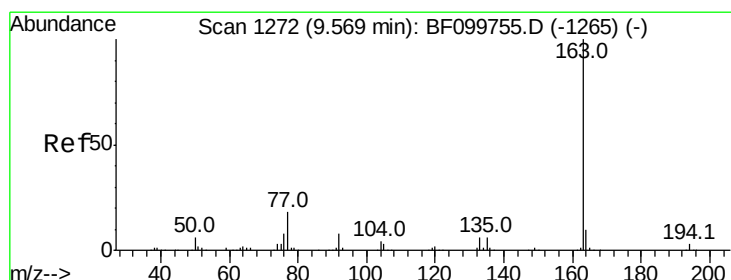
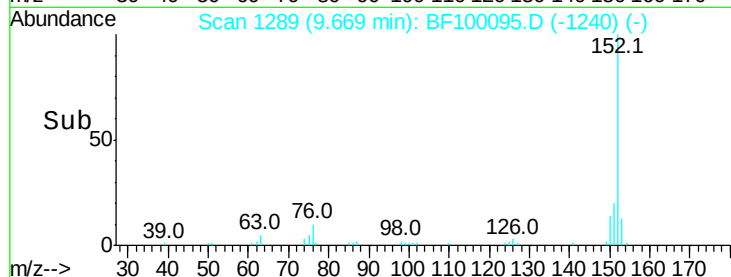
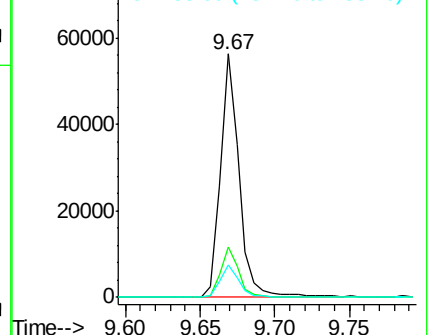
152 100

151 20.4 16.3 24.5

153 13.1 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 10.998 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

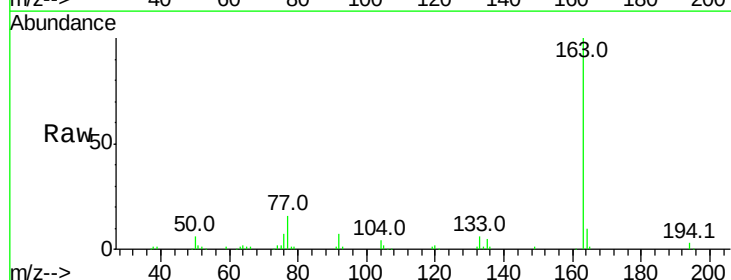
Tgt Ion:163 Resp: 135977

Ion Ratio Lower Upper

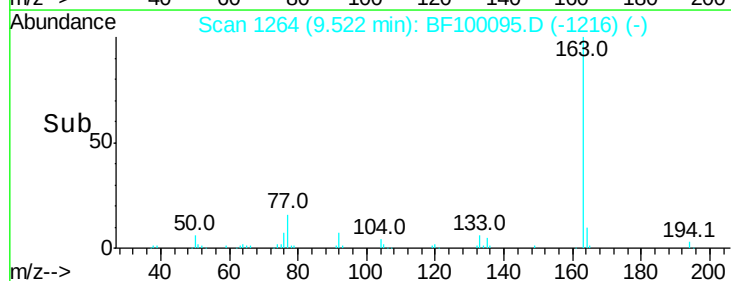
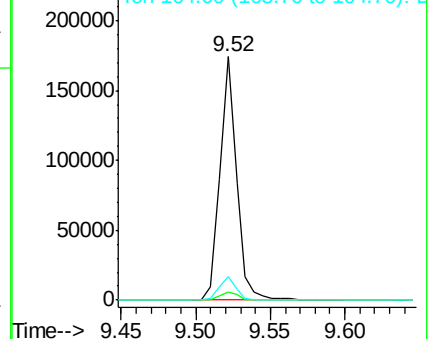
163 100

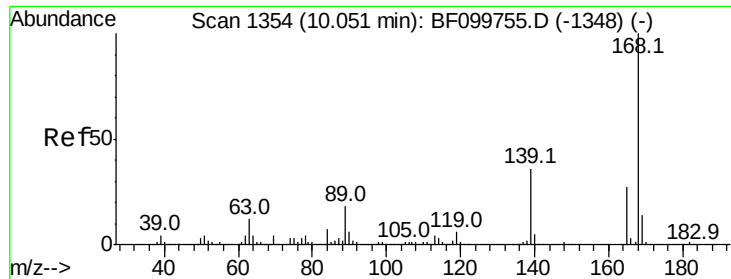
194 3.3 2.7 4.1

164 9.8 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

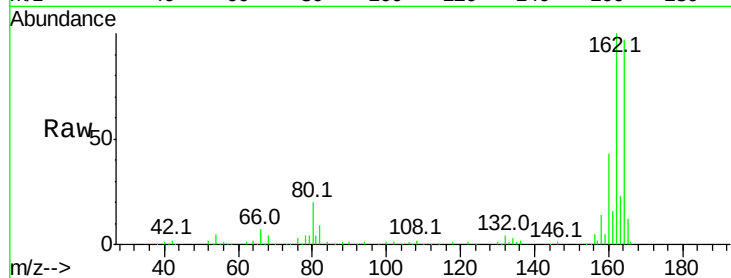




#56
 2,4-Dinitrotoluene
 Concen: 6.209 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.23 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	19435
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#

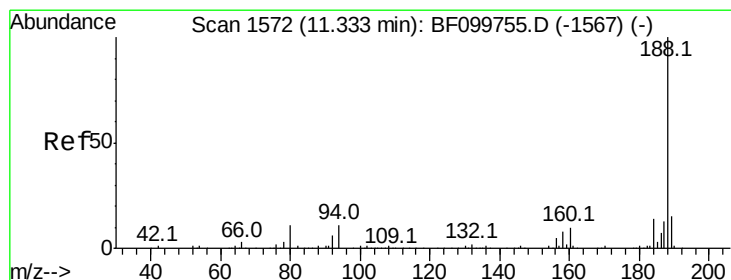
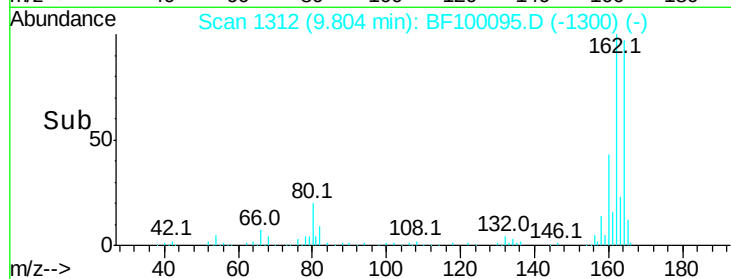
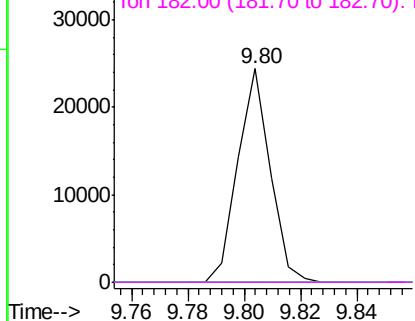


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

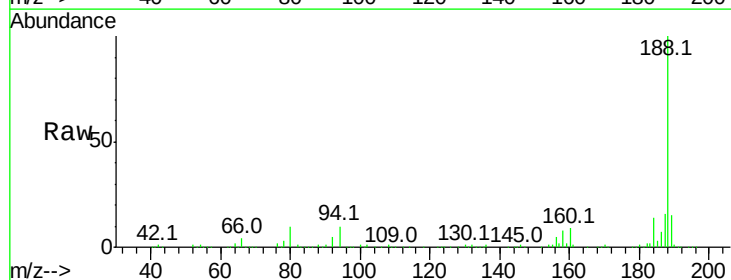
Ion 89.00 (88.70 to 89.70): BF1

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: BF100095.D
 Acq: 2 Nov 2017 19:55

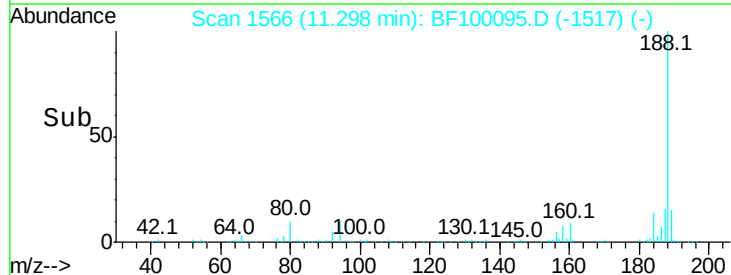
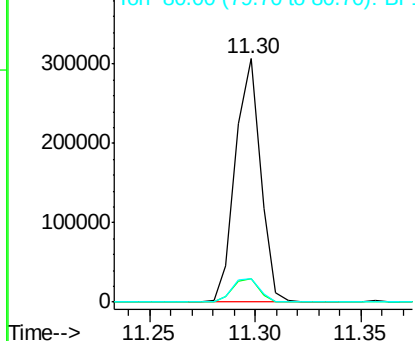
Tgt Ion:	188	Resp:	252330
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	9.8	9.2	13.8

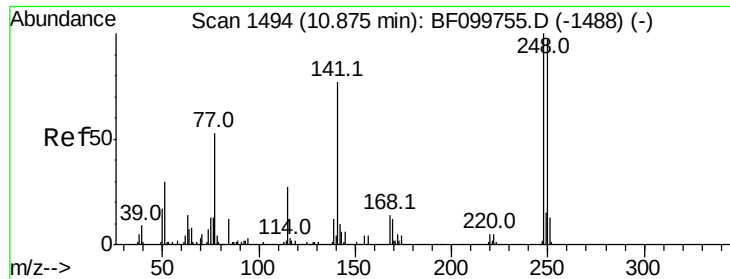


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

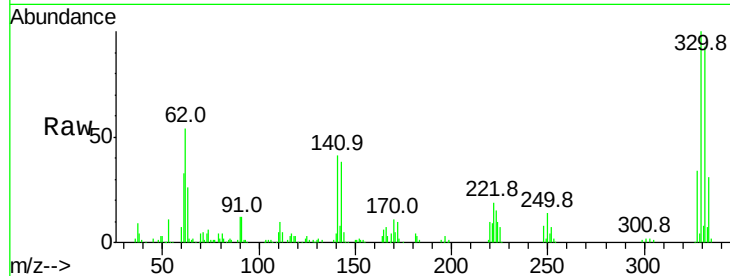




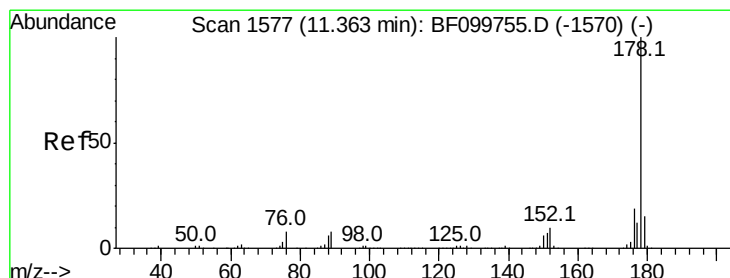
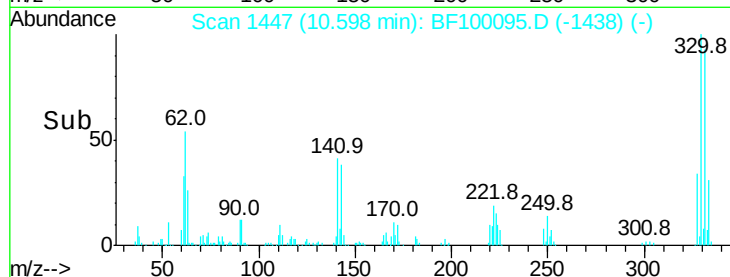
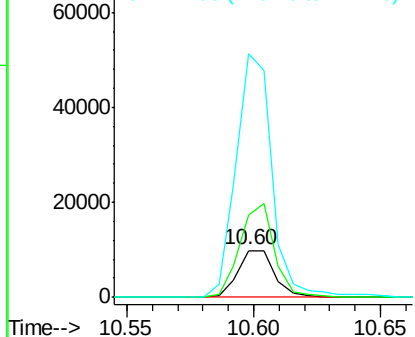
#66
 4-Bromophenyl-phenylether
 Concen: 3.754 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9971
 Ion Ratio Lower Upper
 248 100
 250 176.0 76.9 115.3#
 141 517.4 74.4 111.6#

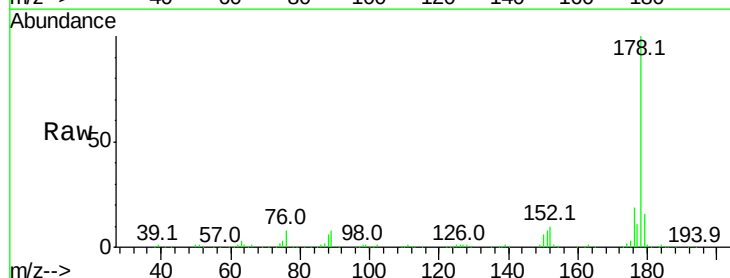


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

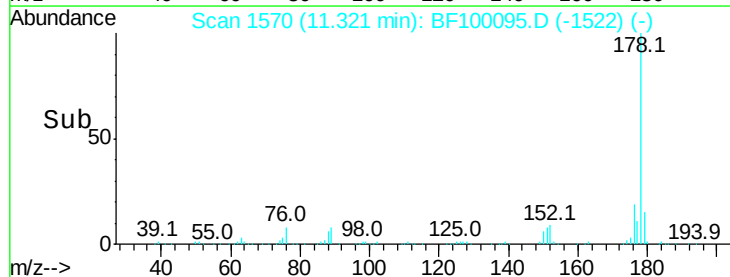
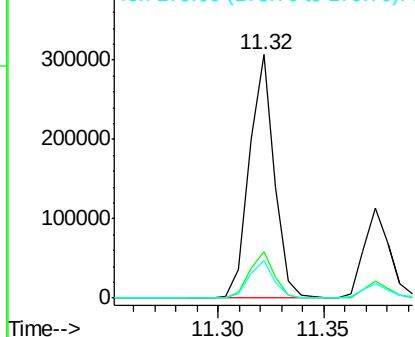


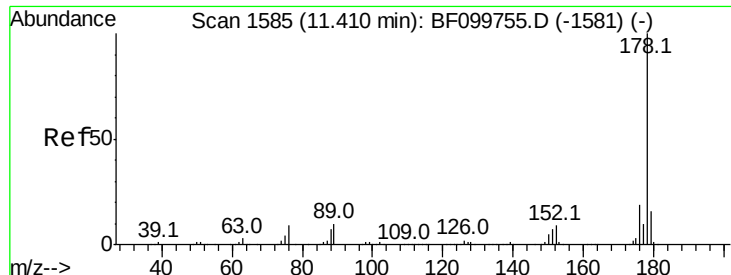
#70
 Phenanthrene
 Concen: 17.717 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Tgt Ion:178 Resp: 252296
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.5 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

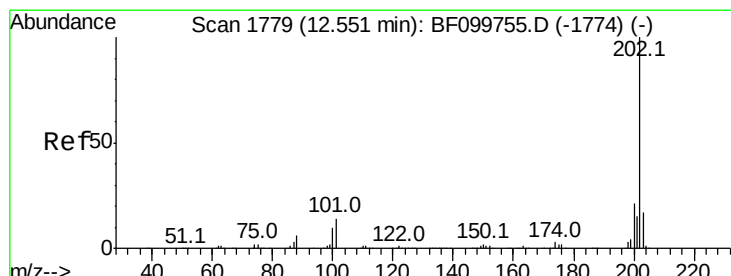
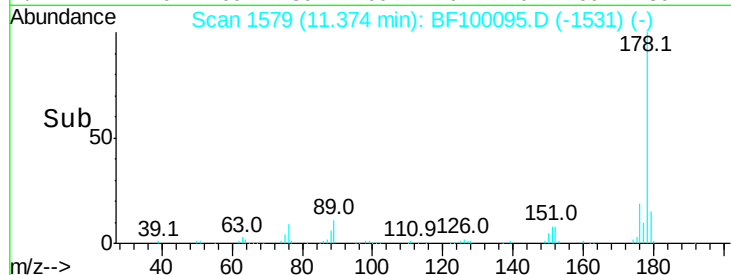
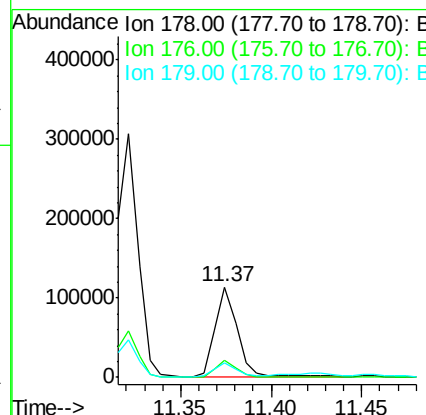
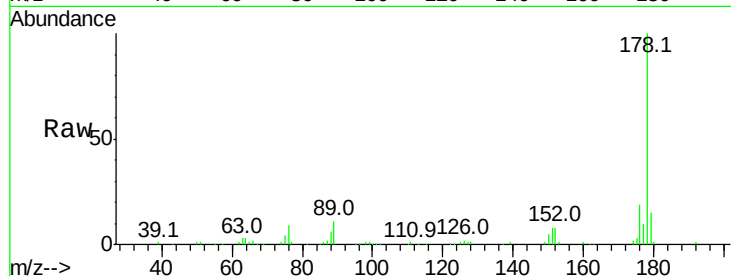




#71
 Anthracene
 Concen: 6.776 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.02 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

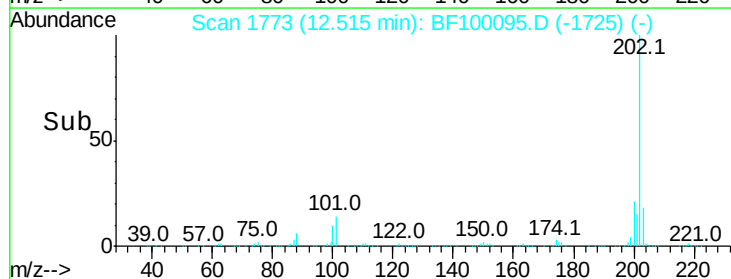
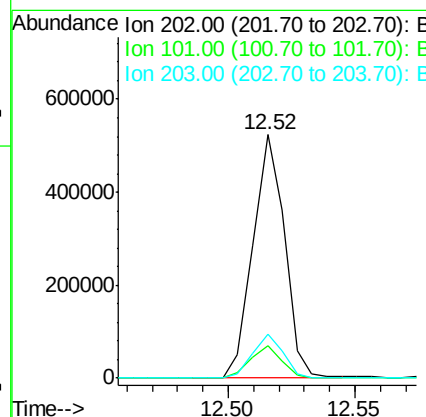
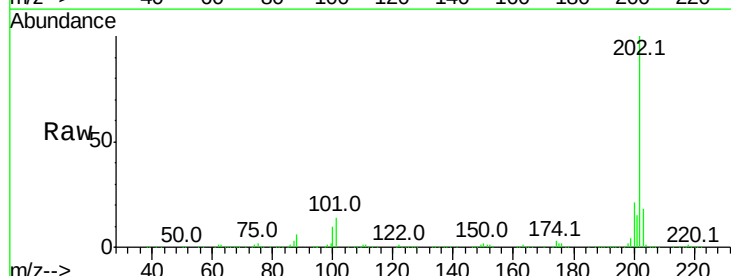
Instrument :
 BNA_F
 ClientSampleId :

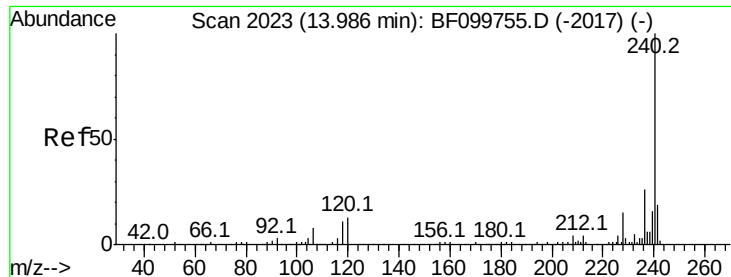
Tot Ion:178 Resp: 97945
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.4 12.6 19.0



#74
 Fluoranthene
 Concen: 30.749 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Tgt Ion:202 Resp: 455054
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampleId :

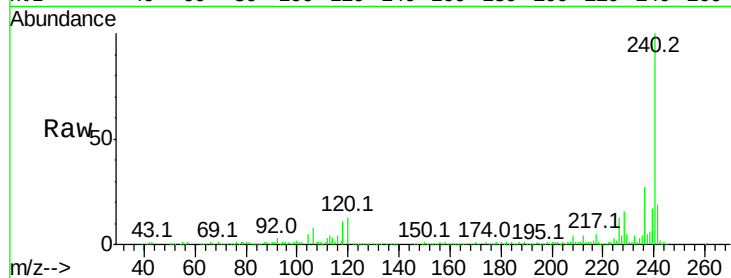
Tot Ion:240 Resp: 149109

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

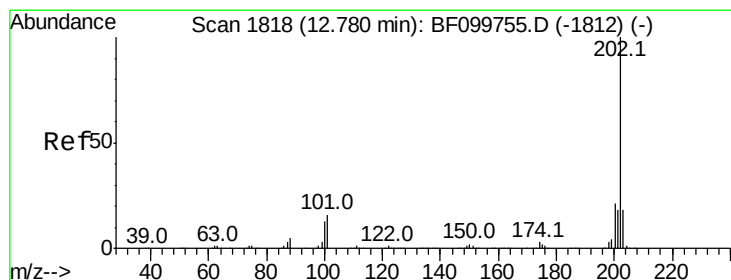
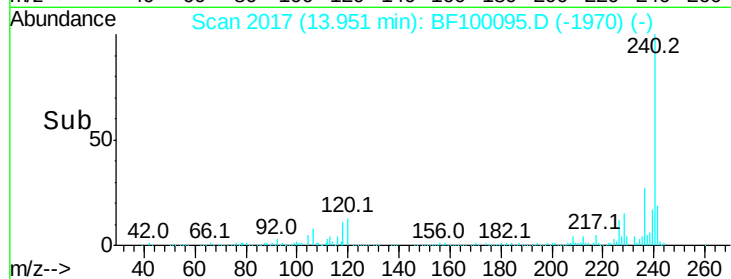
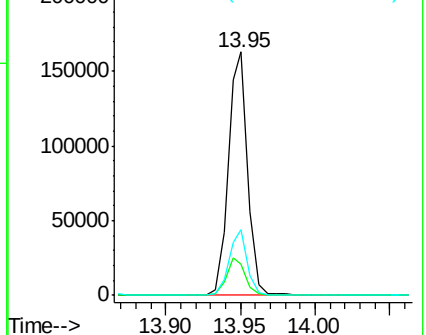
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 32.693 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

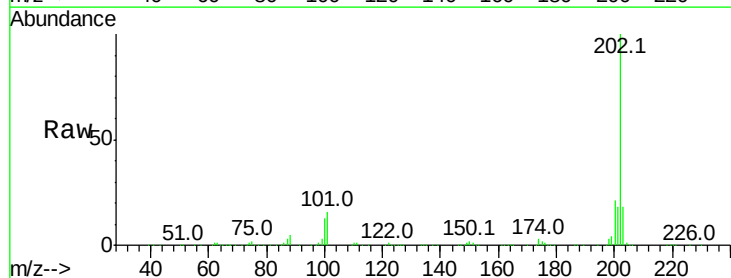
Tgt Ion:202 Resp: 370679

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

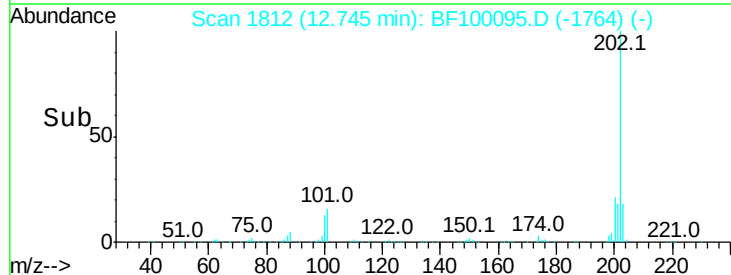
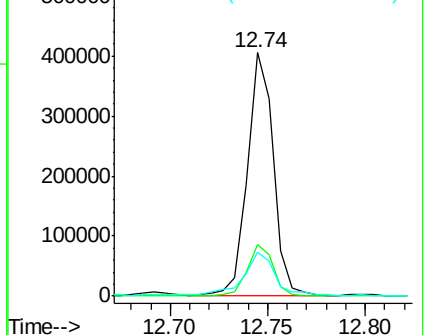
203 18.0 14.3 21.5

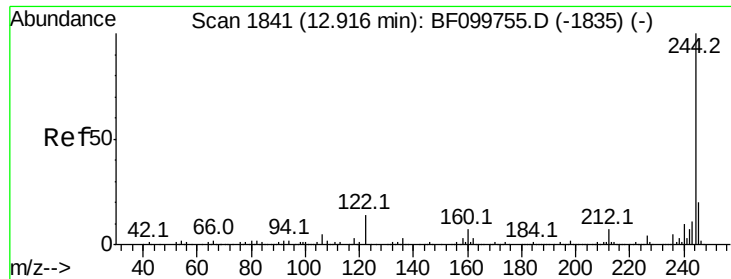


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.829 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampleId :

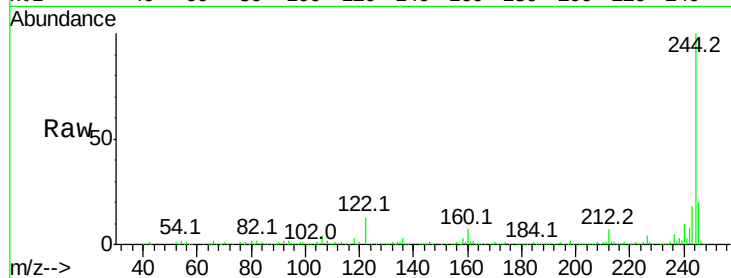
Tot Ion:244 Resp: 537851

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 13.3 11.0 16.4

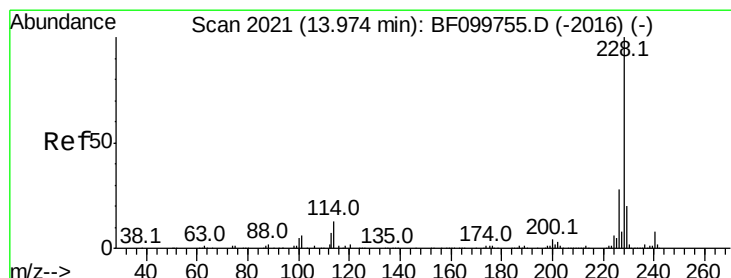
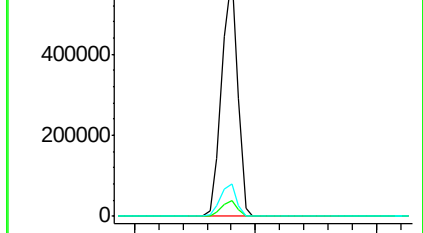
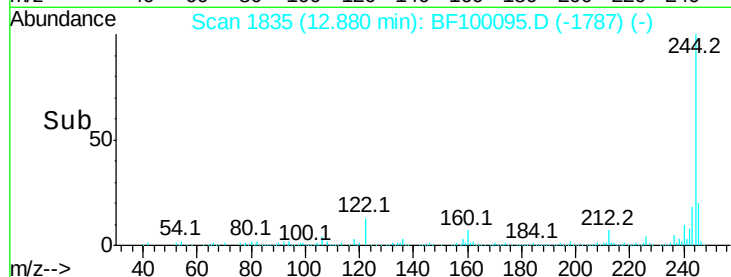


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.80 12.90 13.00



#80

Benzo(a)anthracene

Concen: 20.380 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

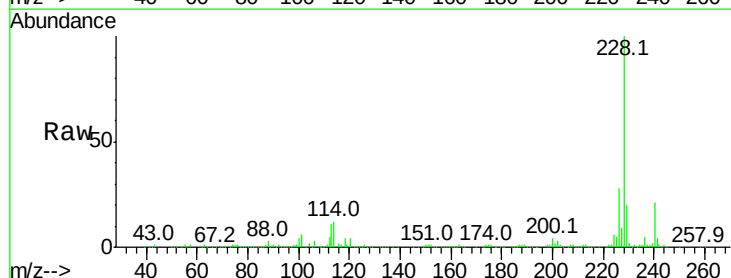
Tgt Ion:228 Resp: 192645

Ion Ratio Lower Upper

228 100

226 27.7 22.6 33.8

229 20.4 15.8 23.6

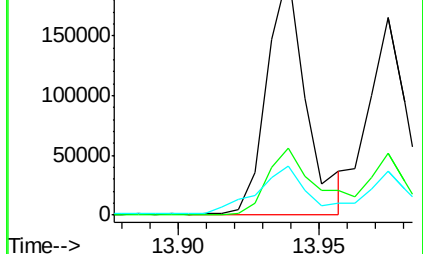
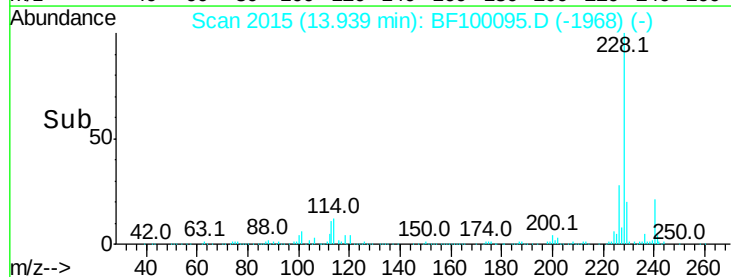


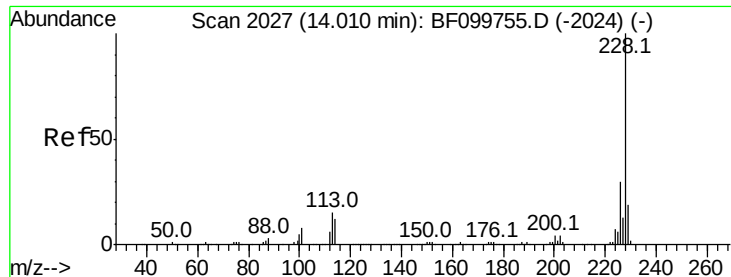
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time--> 13.90 13.95





#82

Chrysene

Concen: 16.707 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.03 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampled :

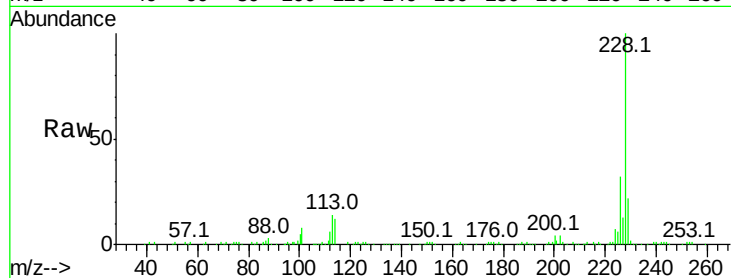
Tot Ion:228 Resp: 148464

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

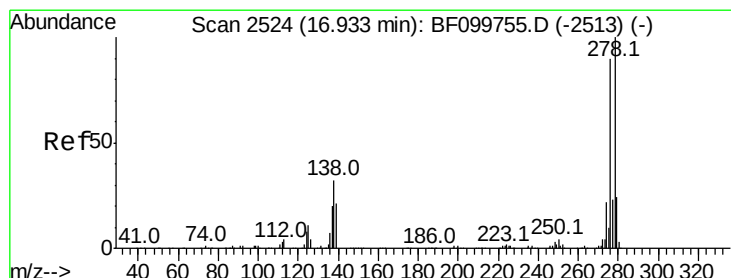
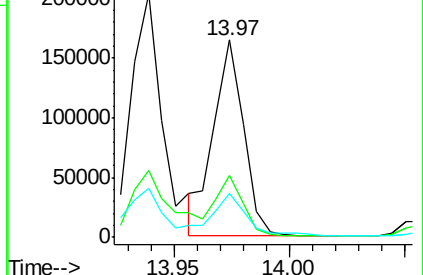
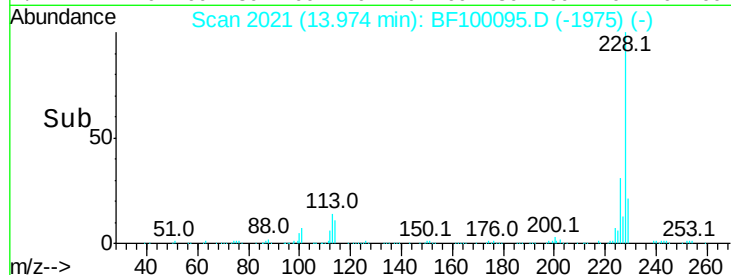
229 22.2 16.2 24.4



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: 10.270 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.08 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

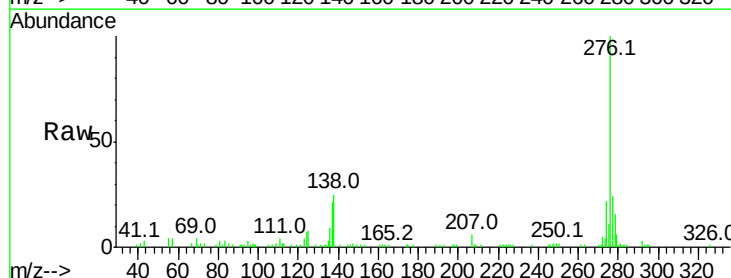
Tgt Ion:276 Resp: 83780

Ion Ratio Lower Upper

276 100

138 26.7 25.0 37.6

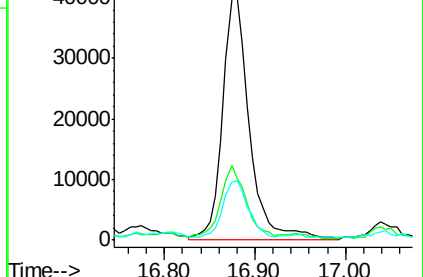
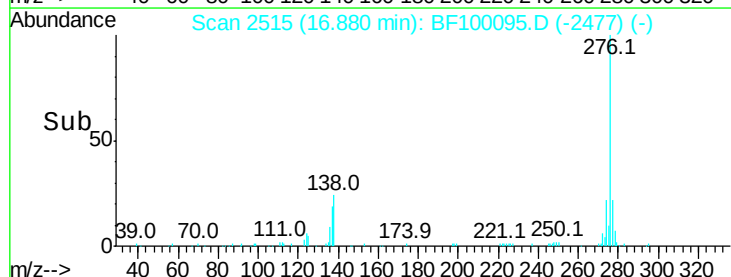
277 21.5 20.1 30.1

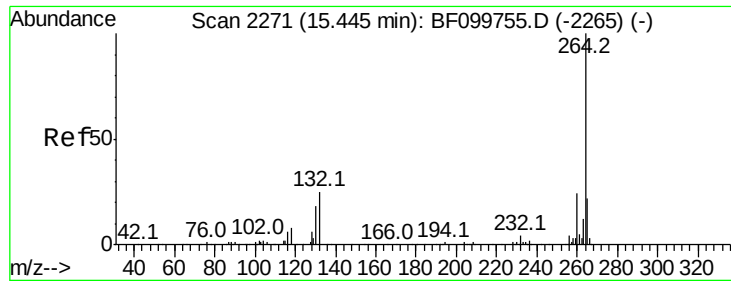


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

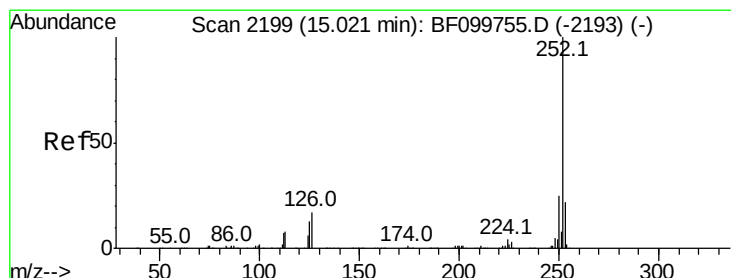
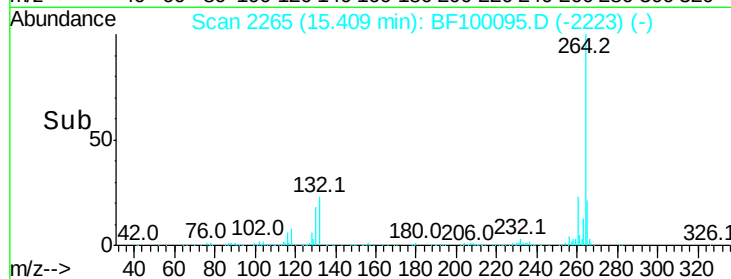
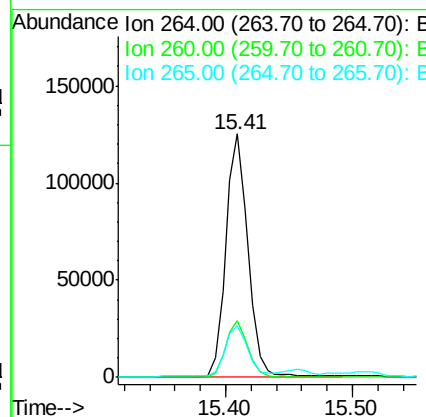
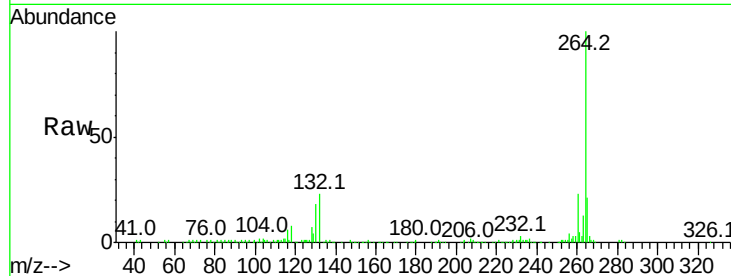




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

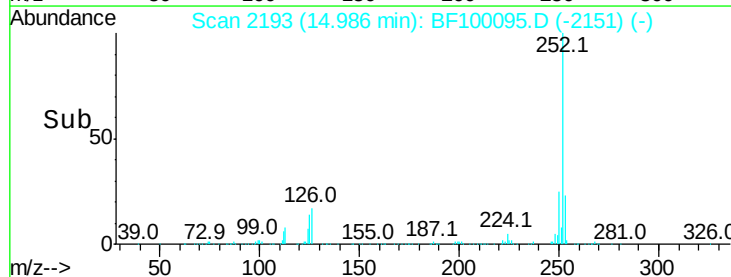
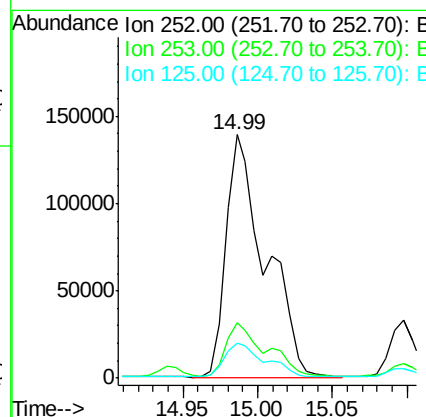
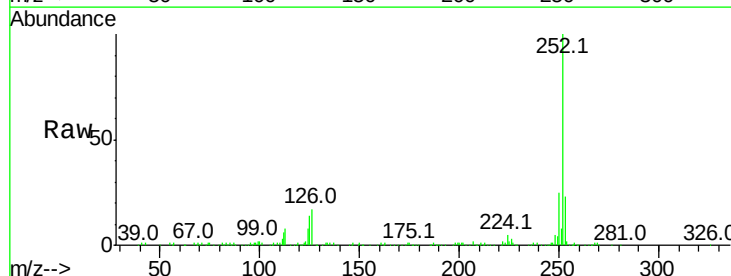
Instrument :
BNA_F
ClientSampleId :

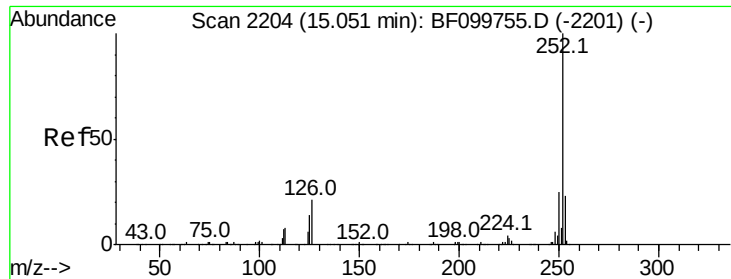
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 26.588 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.05 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.2	9.0	13.6

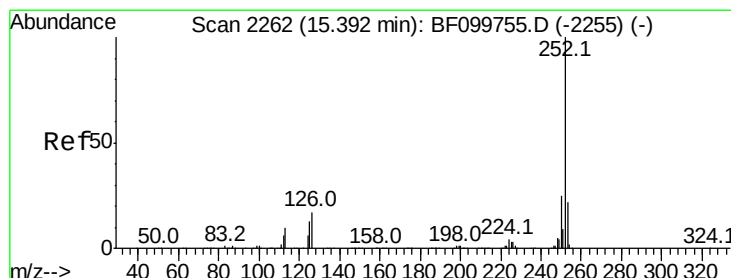
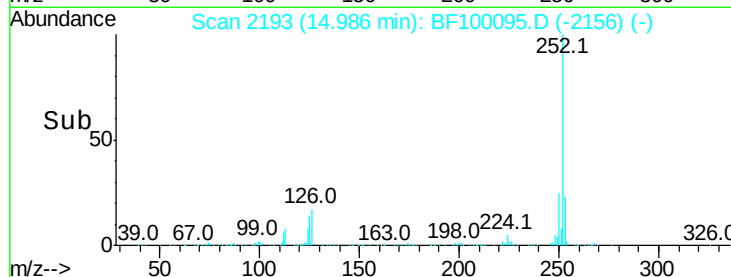
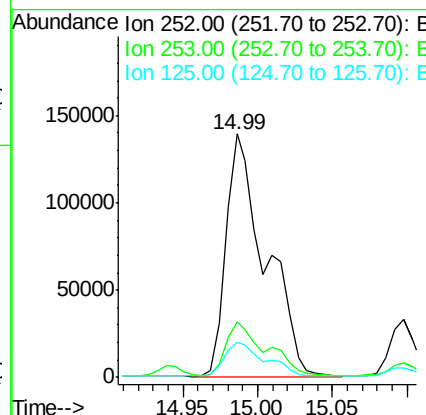
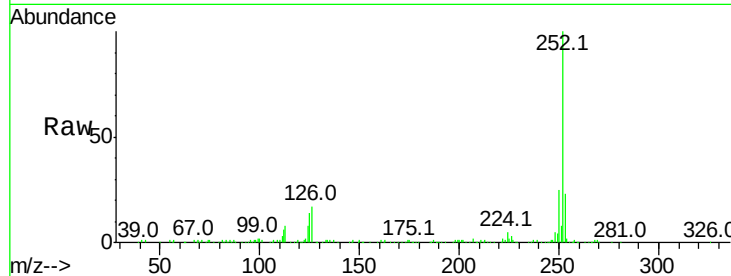




#88
Benzo(k)fluoranthene
Concen: 28.196 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.08 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

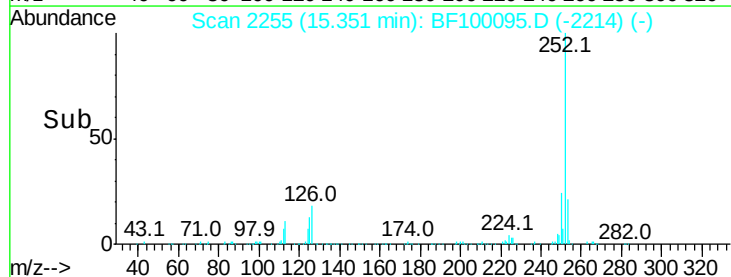
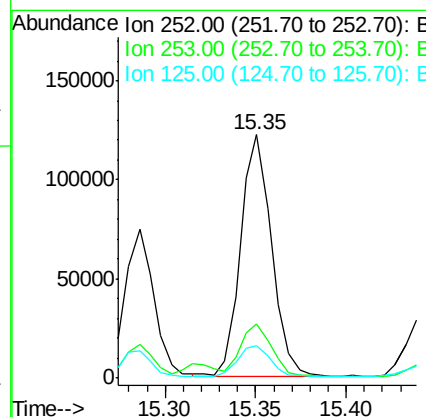
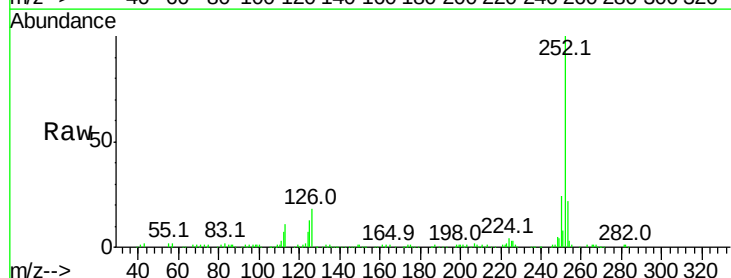
Instrument :
BNA_F
ClientSampleId :

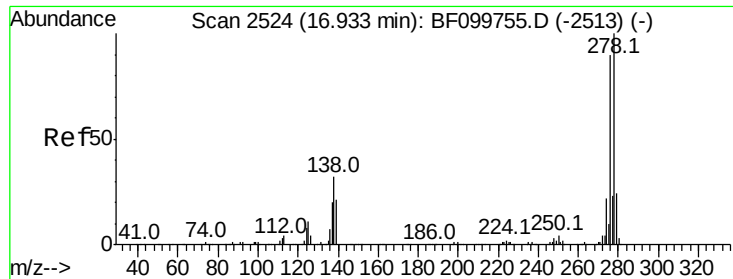
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	14.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 16.885 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.06 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.3	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.629 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.08 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampleId :

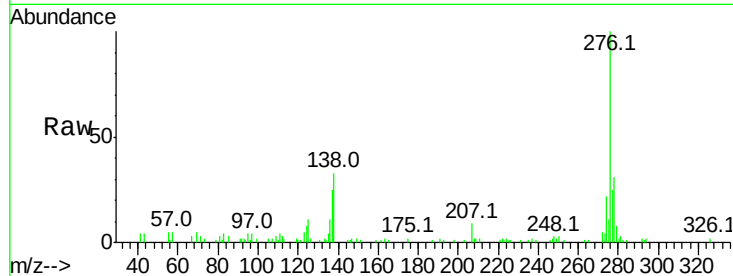
Tot Ion:278 Resp: 20168

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

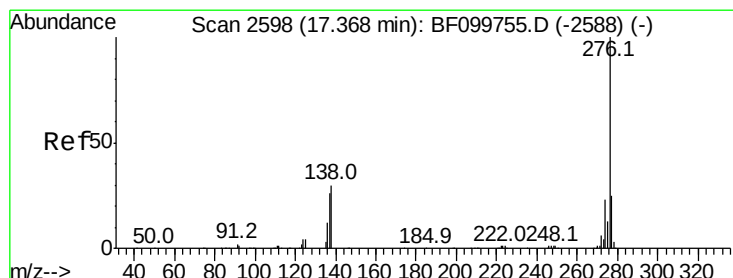
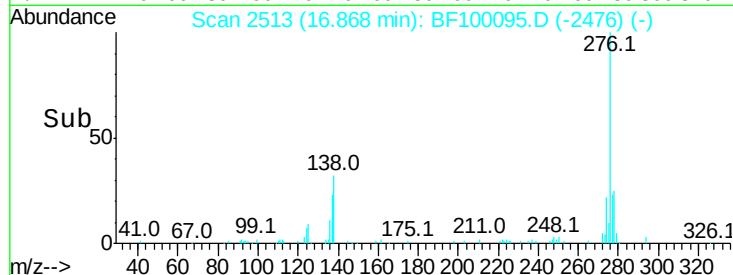
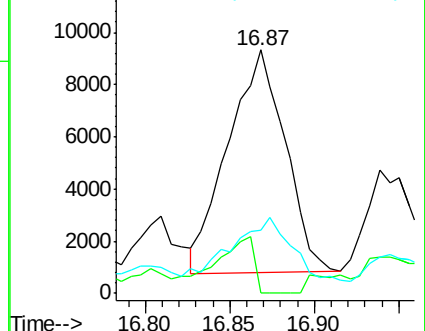
279 26.1 19.0 28.4



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(g,h,i)perylene

Concen: 9.110 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.08 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

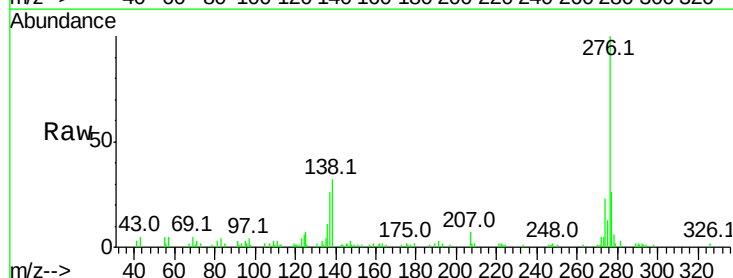
Tgt Ion:276 Resp: 68366

Ion Ratio Lower Upper

276 100

277 26.2 17.9 26.9

138 31.5 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

