

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100104.D
 Acq On : 3 Nov 2017 00:00
 Operator : SJ/JU
 Sample : I6247-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 02:33:53 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	82503	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	333221	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	143372	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	216173	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	137811	20.00	ng	-0.02
86) Perylene-d12	15.42	264	136111	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	451810	85.98	ng	0.00
7) Phenol-d6	6.42	99	523320	83.99	ng	-0.01
23) Nitrobenzene-d5	7.34	82	297047	57.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	100160	76.66	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	437304	47.06	ng	-0.01
78) Terphenyl-d14	12.88	244	261466	41.46	ng	-0.02

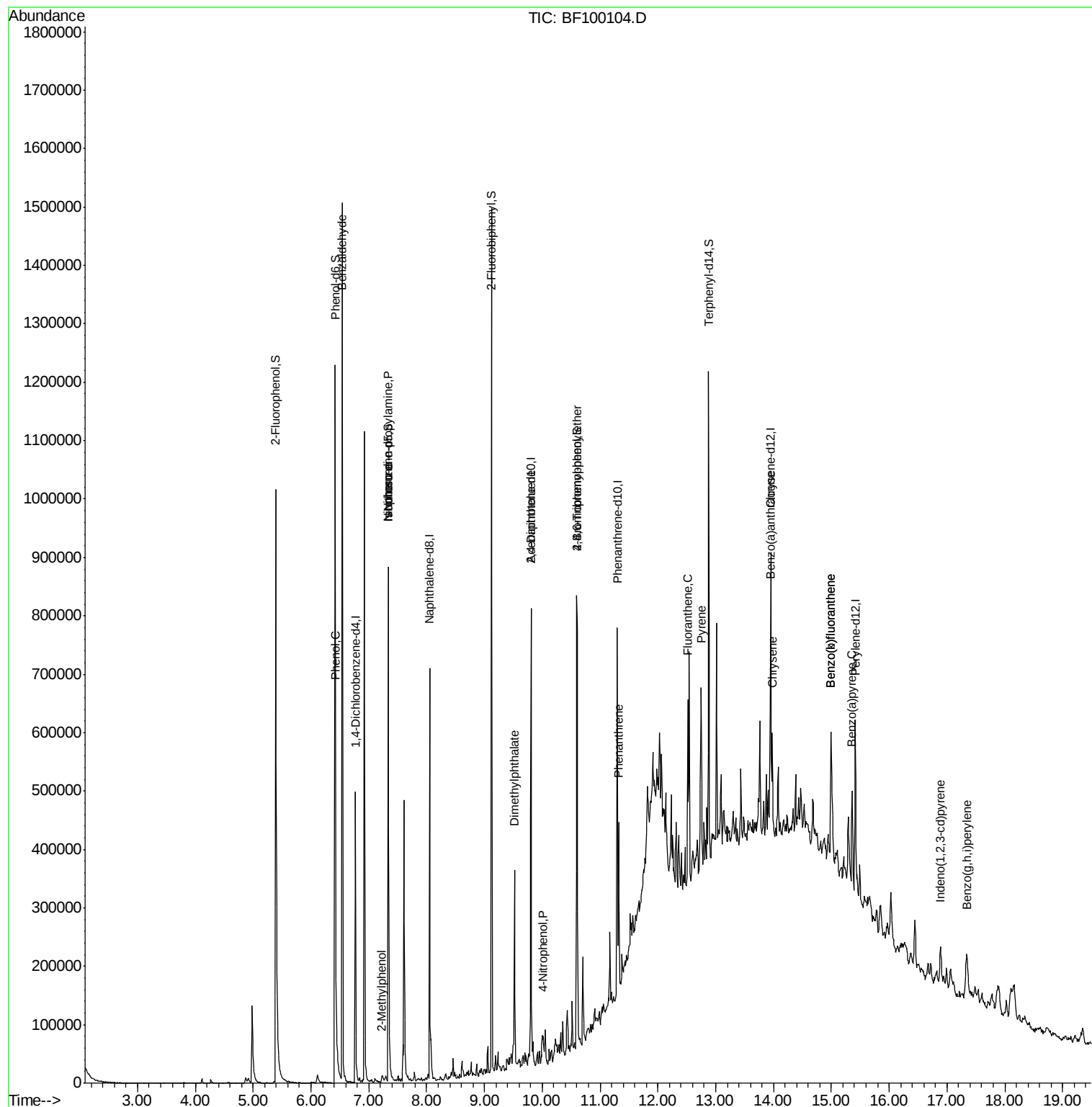
Target Compounds				Qvalue		
9) Benzaldehyde	6.54	77	8160	2.192	ng	91
10) Phenol	6.43	94	25520	3.730	ng	86
17) 2-Methylphenol	7.23	107	9435	2.014	ng	# 68
19) n-Nitroso-di-n-propylamine	7.34	70	36946	10.118	ng	# 72
25) Isophorone	7.34	82	297047	31.628	ng	# 64
49) Dimethylphthalate	9.52	163	130233	11.470	ng	100
55) 4-Nitrophenol	10.02	139	4032	2.744	ng	# 36
56) 2,4-Dinitrotoluene	9.80	165	19337	6.727	ng	# 23
66) 4-Bromophenyl-phenylether	10.60	248	6418	2.820	ng	# 1
70) Phenanthrene	11.32	178	103954	8.521	ng	97
74) Fluoranthene	12.52	202	133366	10.519	ng	96
77) Pyrene	12.75	202	120077	11.459	ng	97
80) Benzo(a)anthracene	13.94	228	69786	7.988	ng	98
82) Chrysene	13.98	228	69993	8.522	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	44888	5.953	ng	95
87) Benzo(b)fluoranthene	14.99	252	145446	16.923	ng	# 93
88) Benzo(k)fluoranthene	14.99	252	145446	17.946	ng	# 95
89) Benzo(a)pyrene	15.36	252	70898	9.183	ng	# 91
91) Benzo(a,h,i)perylene	17.34	276	43951	6.548	ng	96

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

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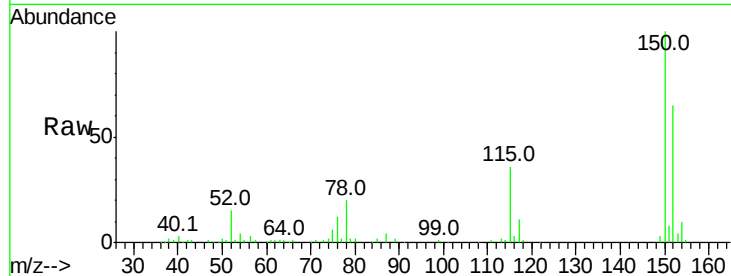


#1

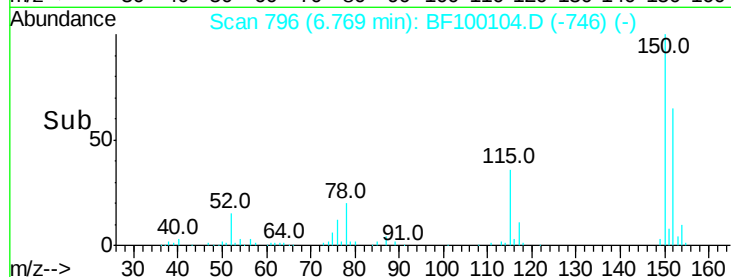
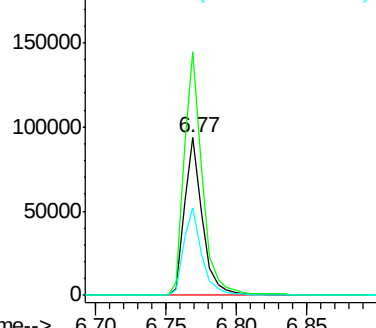
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82503
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 55.2 50.1 75.1



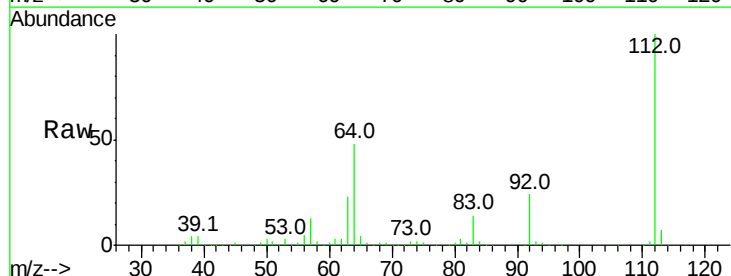
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



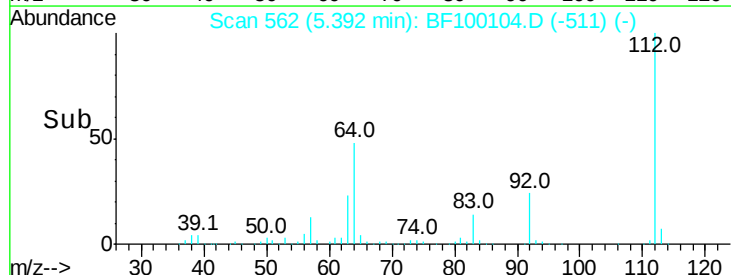
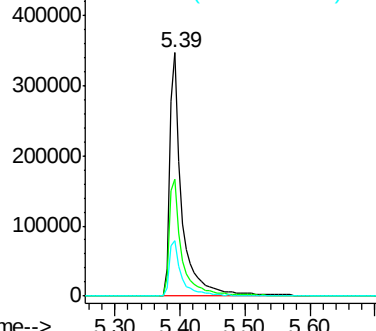
#5

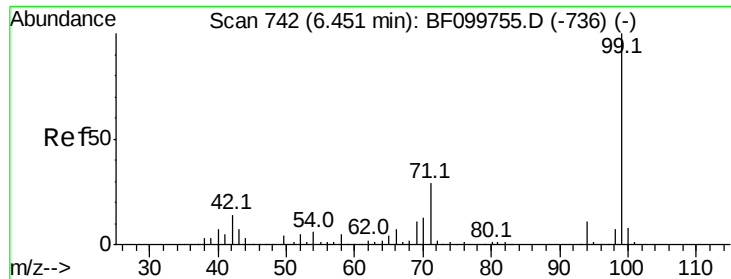
2-Fluorophenol
Concen: 85.976 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Tgt Ion:112 Resp: 451810
Ion Ratio Lower Upper
112 100
64 48.2 47.9 71.9
63 23.0 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: 83.986 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

Instrument :

BNA_F

ClientSampleId :

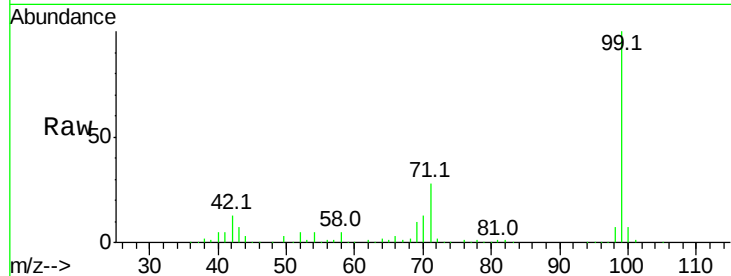
Tot Ion: 99 Resp: 523320

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

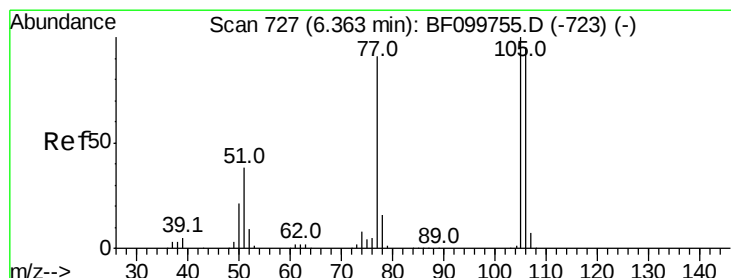
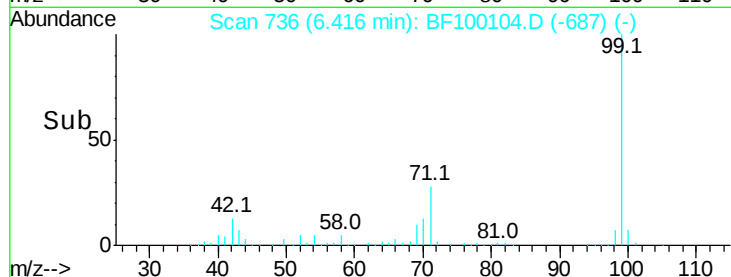
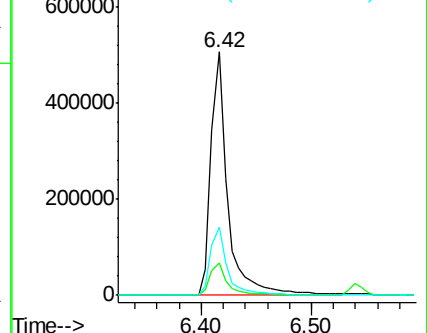
71 28.1 25.4 38.0



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: 2.192 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.20 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

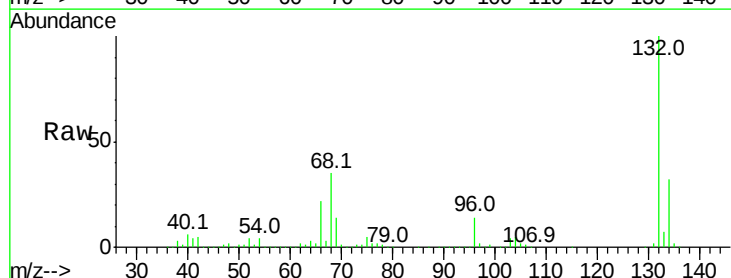
Tgt Ion: 77 Resp: 8160

Ion Ratio Lower Upper

77 100

105 94.6 81.1 121.1

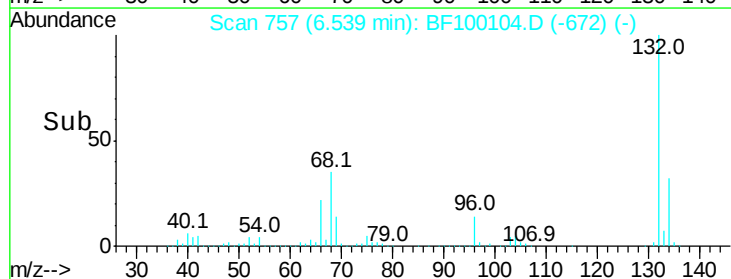
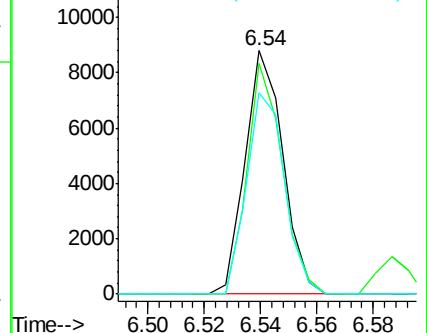
106 82.8 74.5 114.5

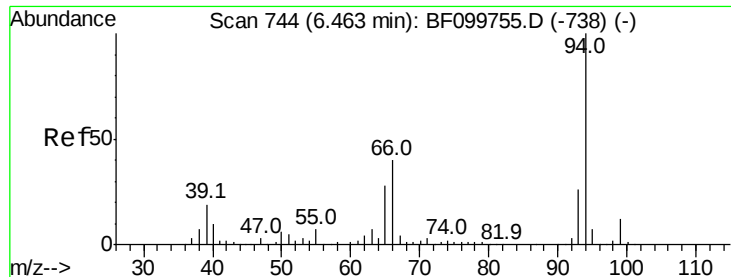


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.730 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

Instrument :

BNA_F

ClientSampleId :

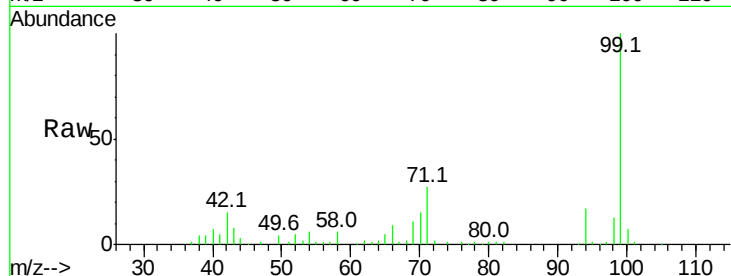
Tot Ion: 94 Resp: 25520

Ion Ratio Lower Upper

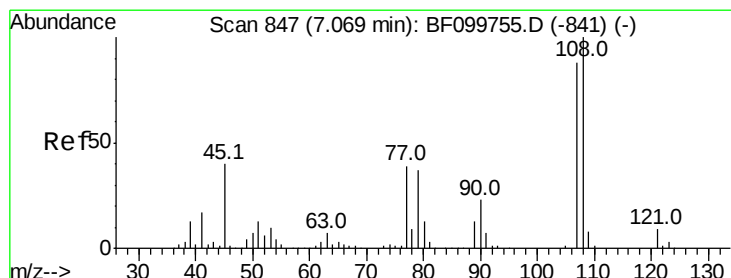
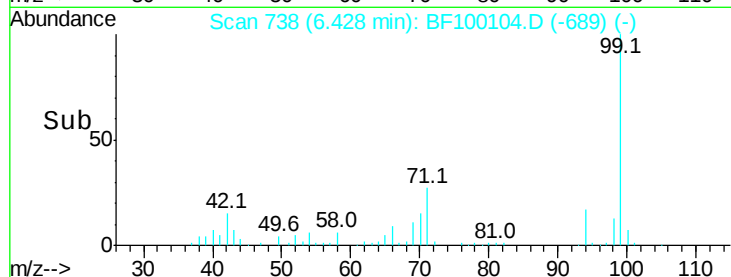
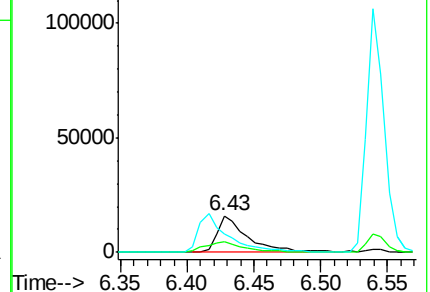
94 100

65 29.2 7.9 47.9

66 49.7 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



#17

2-Methylphenol

Concen: 2.014 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.19 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

Tgt Ion:107 Resp: 9435

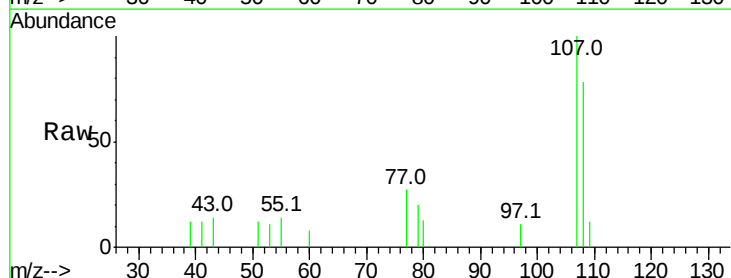
Ion Ratio Lower Upper

107 100

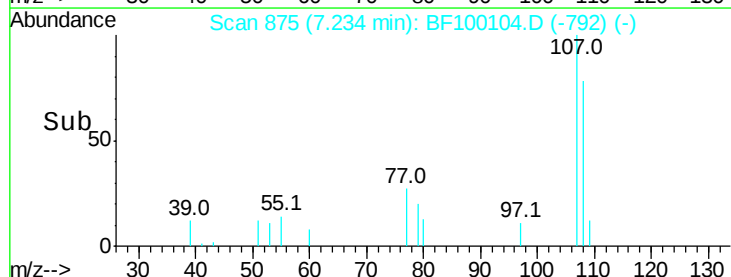
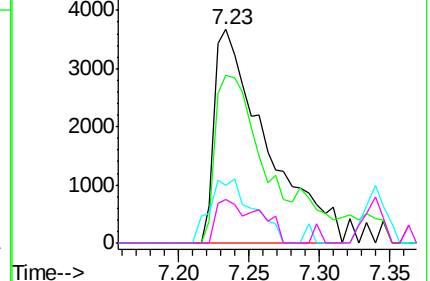
108 78.3 91.7 137.5#

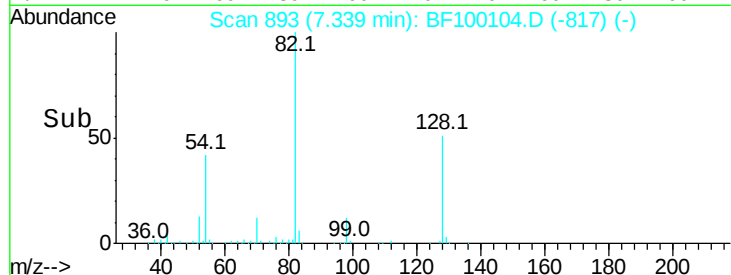
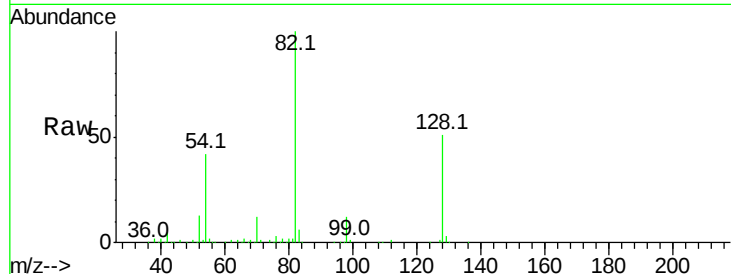
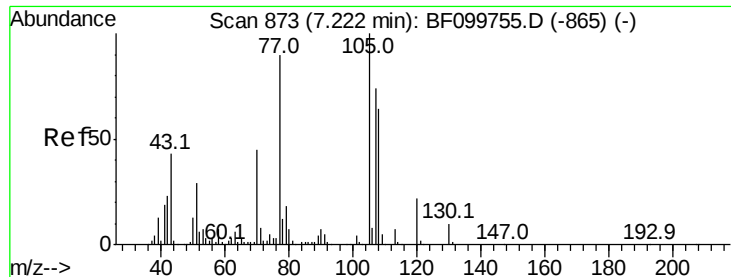
77 26.8 33.8 50.8#

79 20.4 33.8 50.8#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

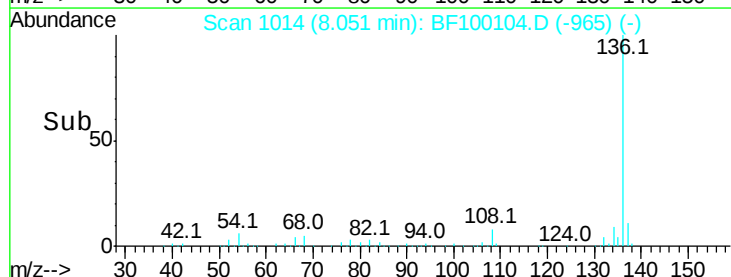
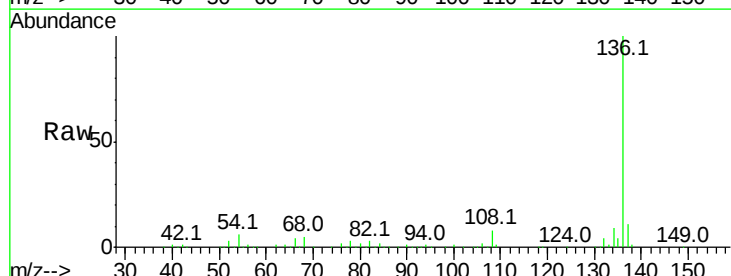
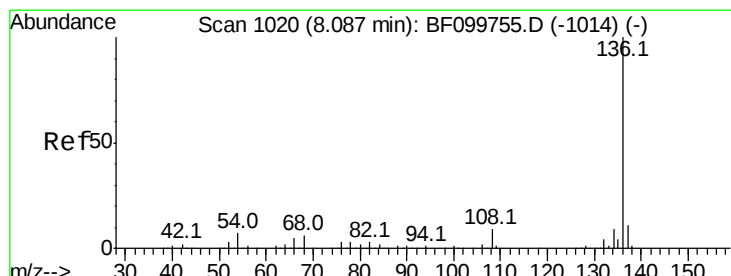
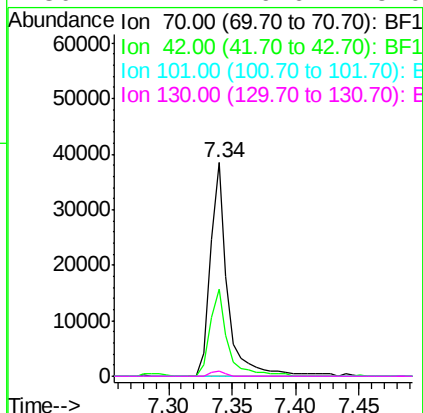




#19
n-Nitroso-di-n-propylamine
Concen: 10.118 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.15 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

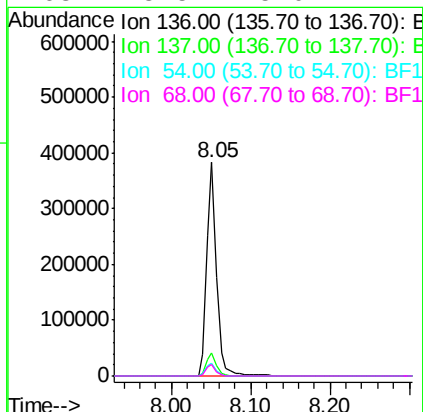
Instrument :
BNA_F
ClientSampleId :

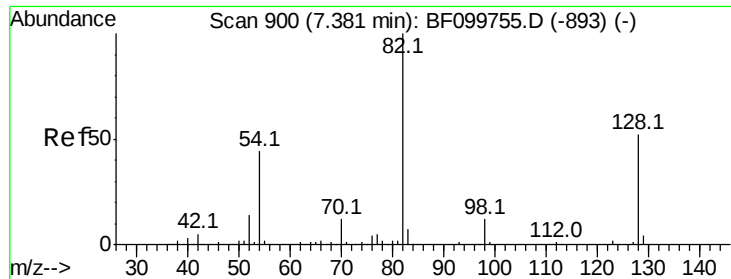
Tot Ion: 70 Resp: 36946
Ion Ratio Lower Upper
70 100
42 40.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Tgt Ion: 136 Resp: 333221
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.1 6.6 9.8#
68 5.5 5.0 7.4

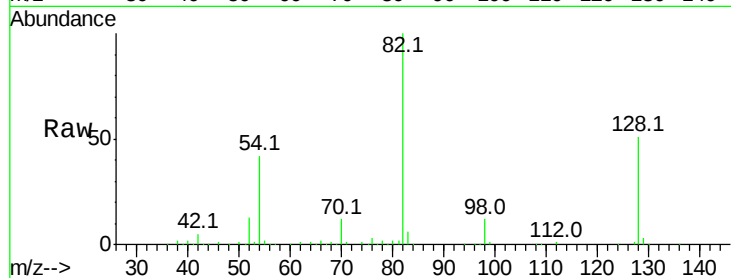




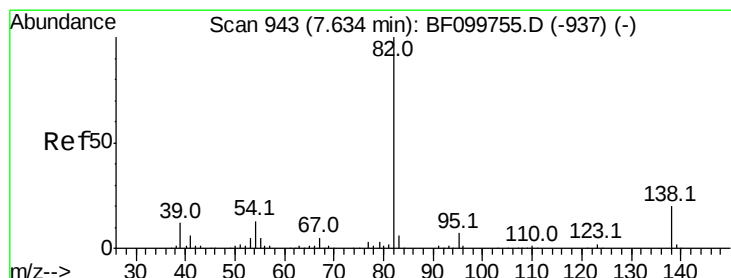
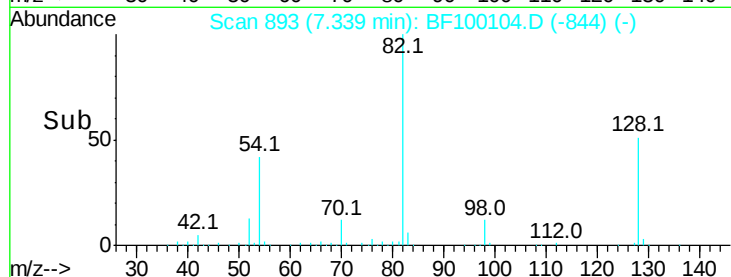
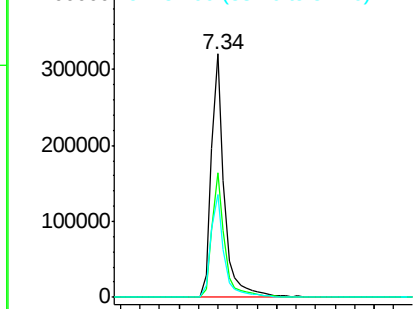
#23
Nitrobenzene-d5
Concen: 57.391 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	297047
Ion Ratio	Lower	Upper	
82	100		
128	51.0	36.1	54.1
54	42.4	41.4	62.2

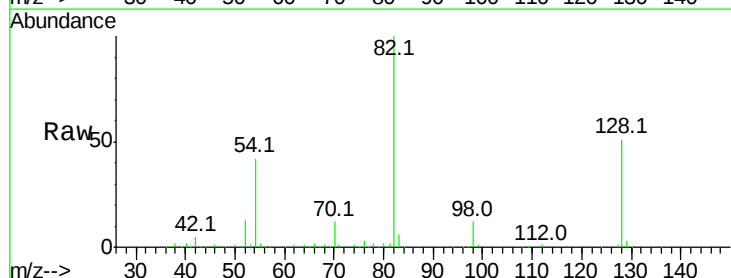


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

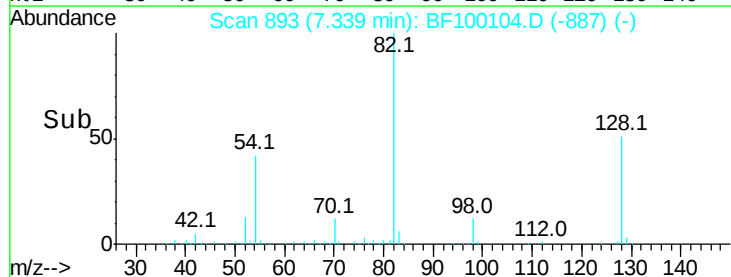
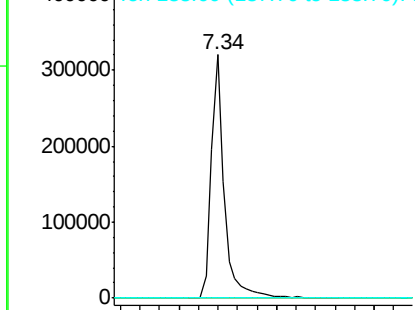


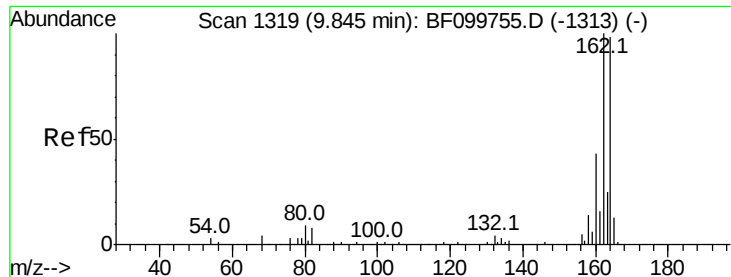
#25
Isophorone
Concen: 31.628 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.26 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Tgt Ion	82	Resp	297047
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: BF100104.D

Acq: 3 Nov 2017 00:00

Instrument :

BNA_F

ClientSampleId :

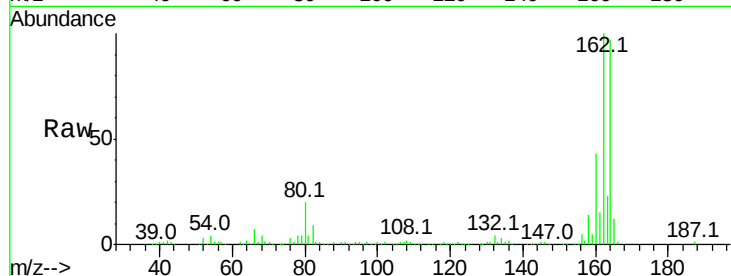
Tot Ion:164 Resp: 143372

Ion Ratio Lower Upper

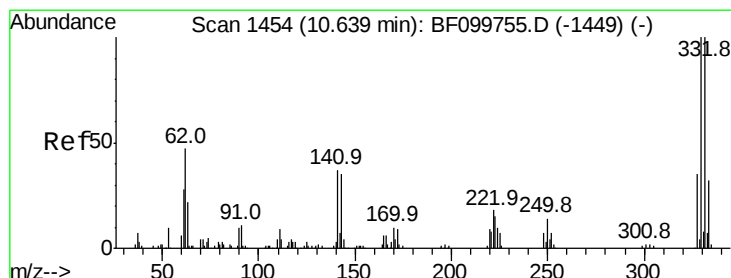
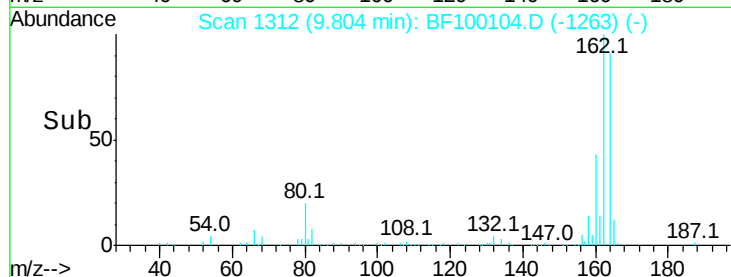
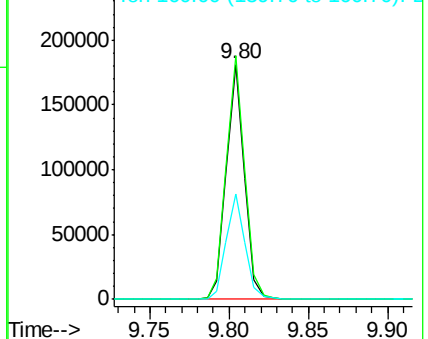
164 100

162 103.6 86.1 129.1

160 45.0 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: 76.659 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

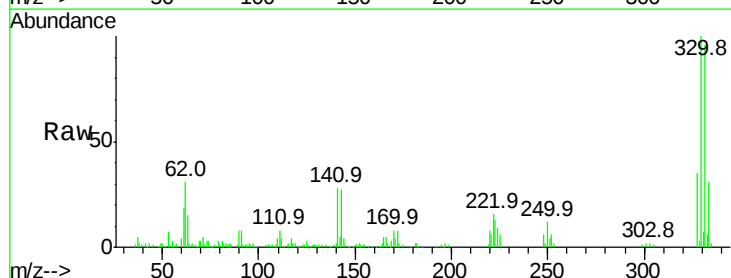
Tgt Ion:330 Resp: 100160

Ion Ratio Lower Upper

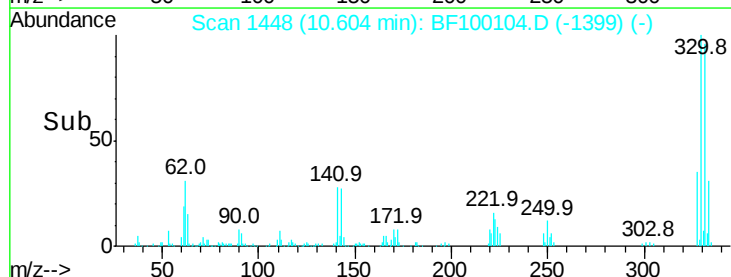
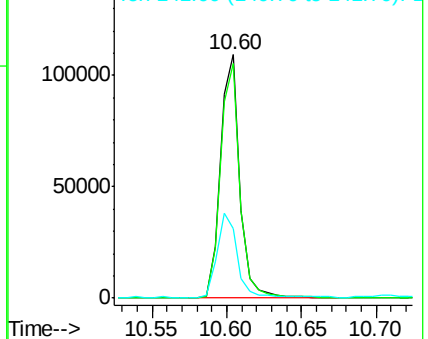
330 100

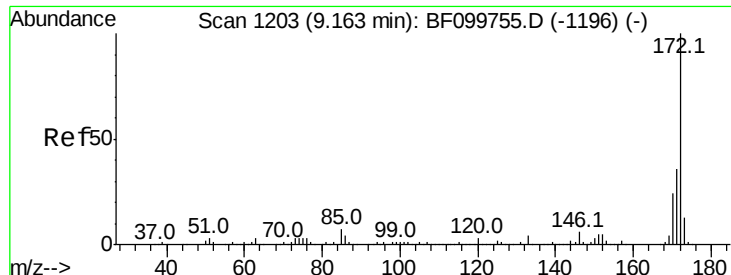
332 97.0 77.0 115.6

141 37.7 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

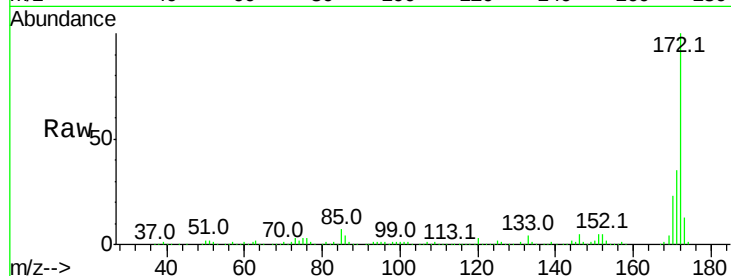




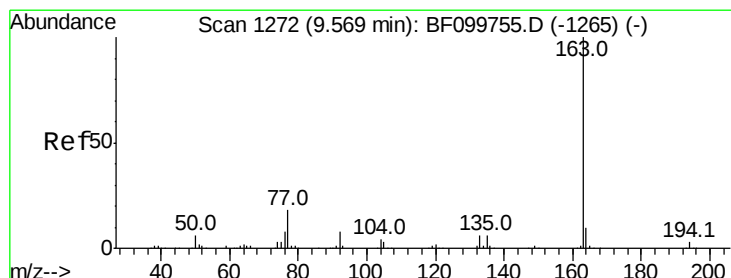
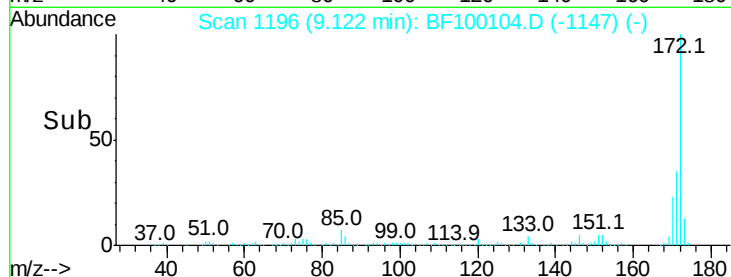
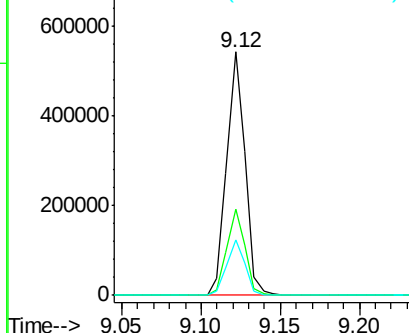
#44
 2-Fluorobiphenyl
 Concen: 47.059 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100104.D
 Acq: 3 Nov 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 437304
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 22.9 19.6 29.4

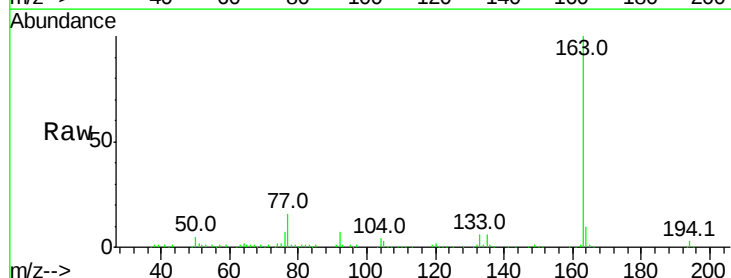


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

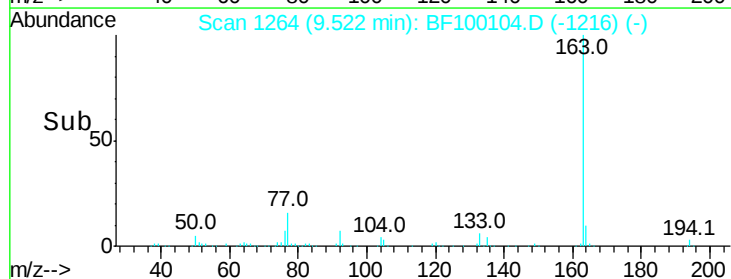
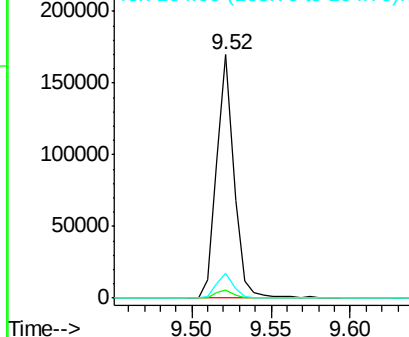


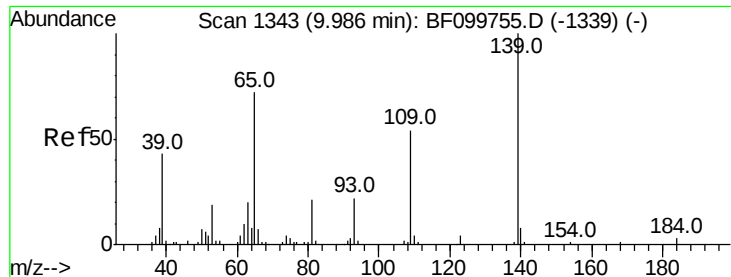
#49
 Dimethylphthalate
 Concen: 11.470 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF100104.D
 Acq: 3 Nov 2017 00:00

Tgt Ion:163 Resp: 130233
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.7 4.1
 164 10.1 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





#55

4-Nitrophenol

Concen: 2.744 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.04 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

Instrument :

BNA_F

ClientSampleId :

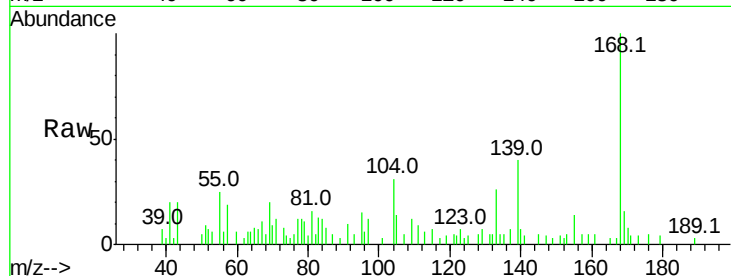
Tot Ion:139 Resp: 4032

Ion Ratio Lower Upper

139 100

109 29.7 48.4 88.4#

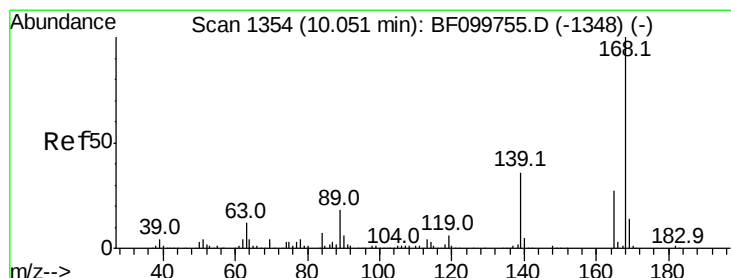
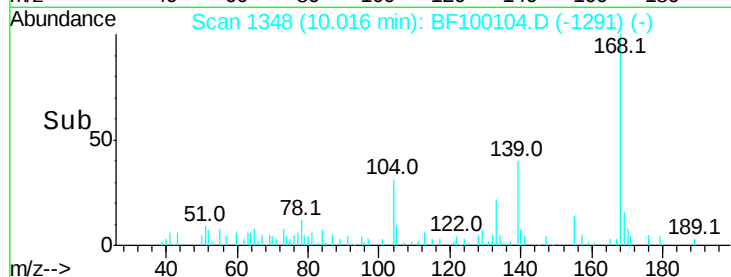
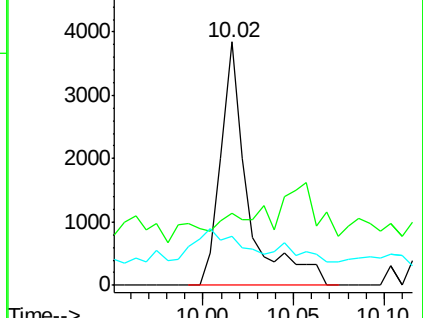
65 20.1 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.727 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.23 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

Tgt Ion:165 Resp: 19337

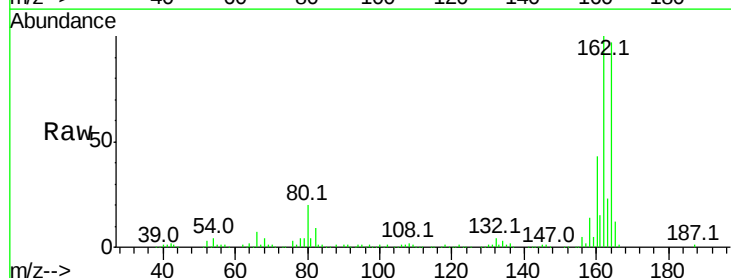
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

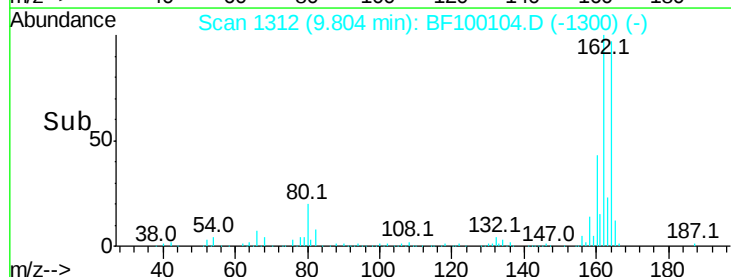
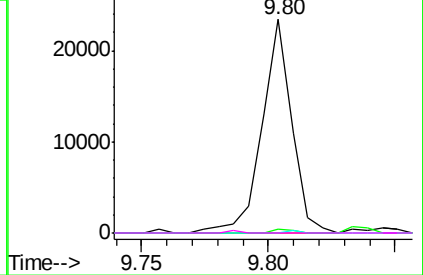


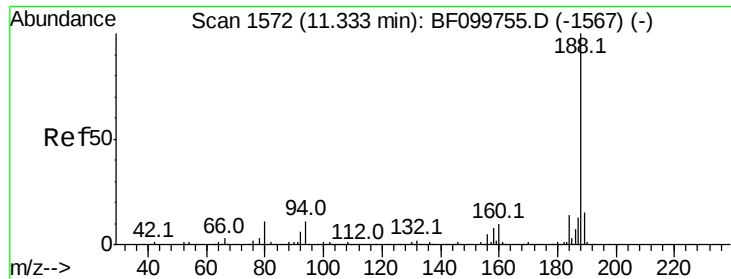
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF100104.D

Acq: 3 Nov 2017 00:00

Instrument :

BNA_F

ClientSampleId :

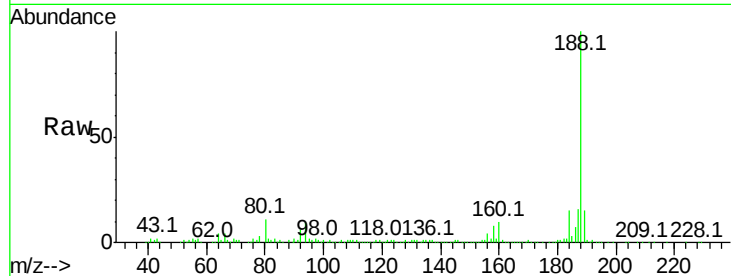
Tot Ion:188 Resp: 216173

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

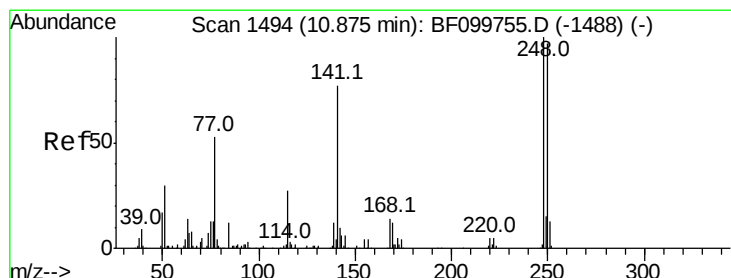
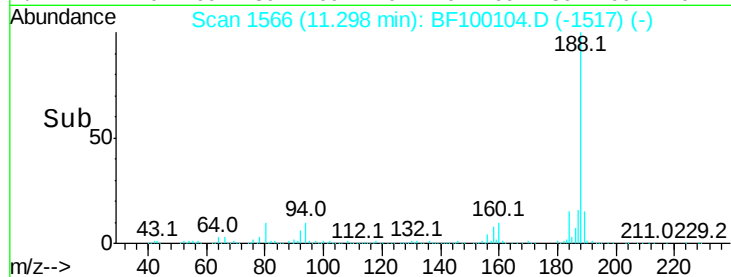
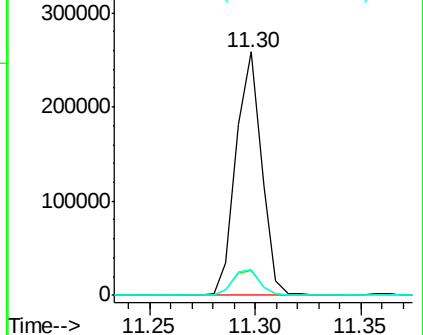
80 10.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 2.820 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.25 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

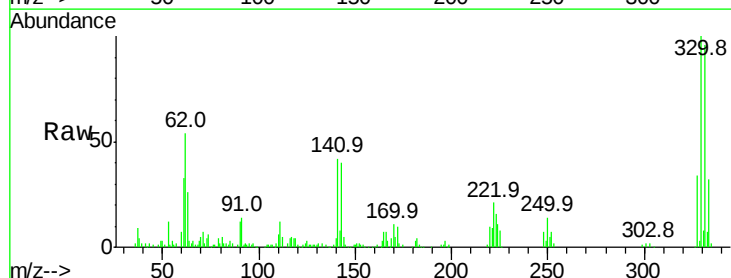
Tgt Ion:248 Resp: 6418

Ion Ratio Lower Upper

248 100

250 196.3 76.9 115.3#

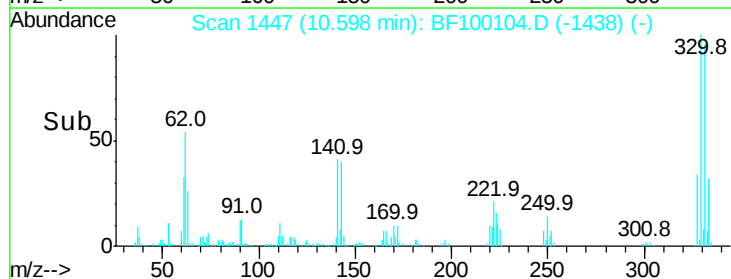
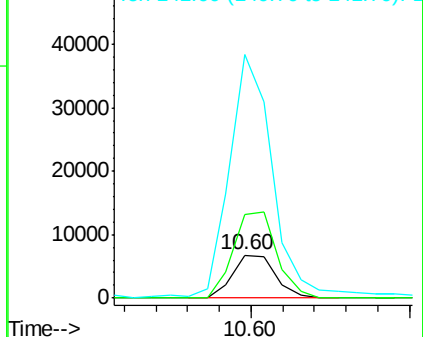
141 568.2 74.4 111.6#

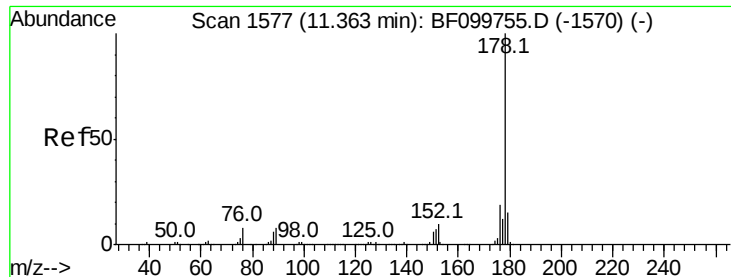


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

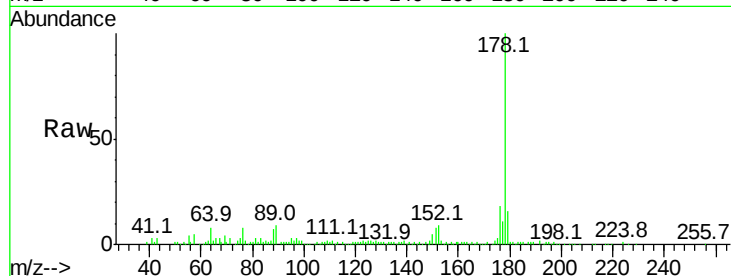




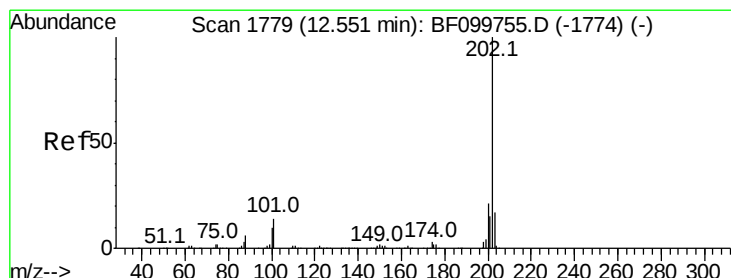
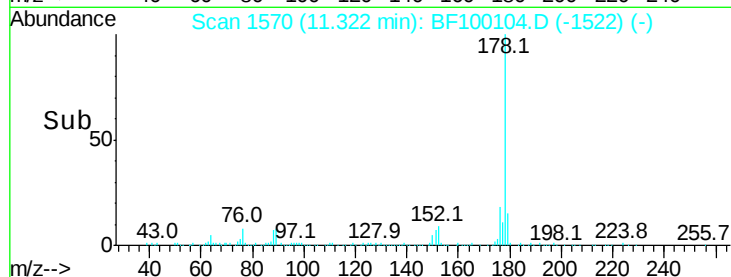
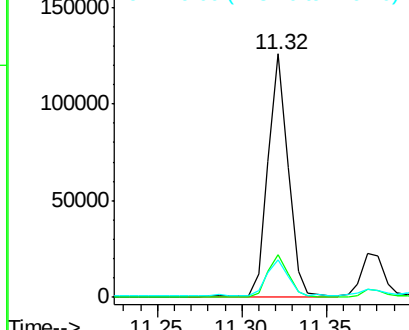
#70
Phenanthrene
Concen: 8.521 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 103954
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.8
179 15.6 13.0 19.6

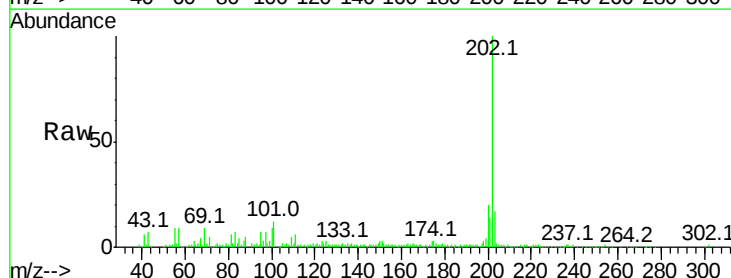


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

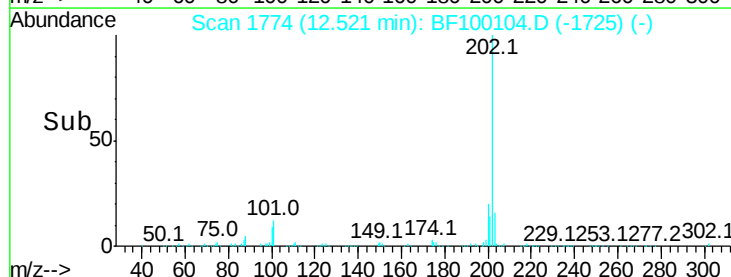
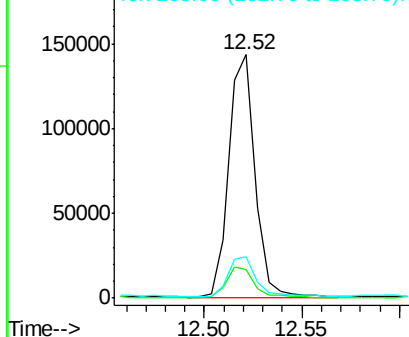


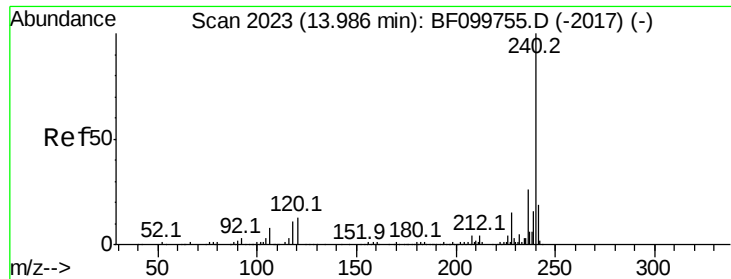
#74
Fluoranthene
Concen: 10.519 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Tgt Ion:202 Resp: 133366
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 17.0 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: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

Instrument :

BNA_F

ClientSampleId :

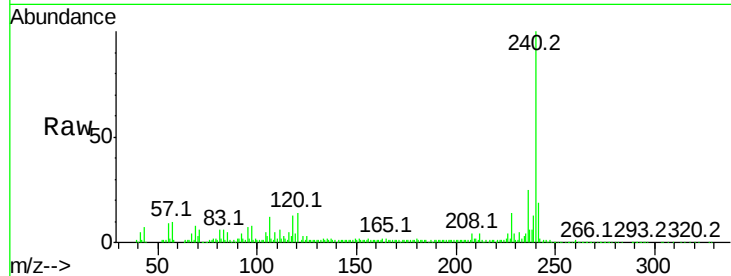
Tot Ion:240 Resp: 137811

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

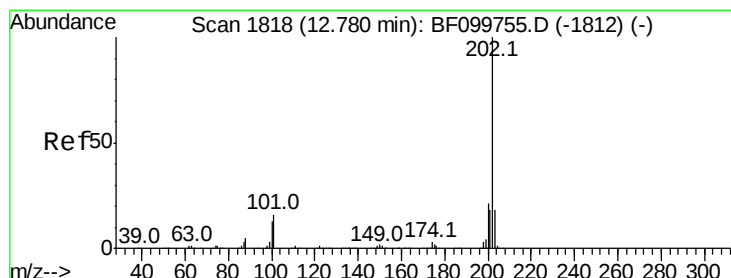
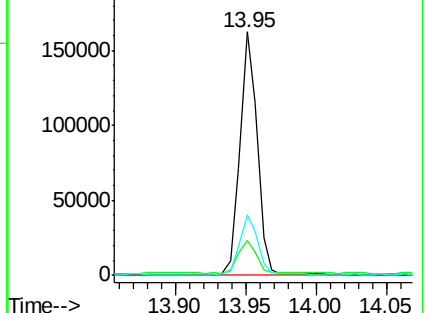
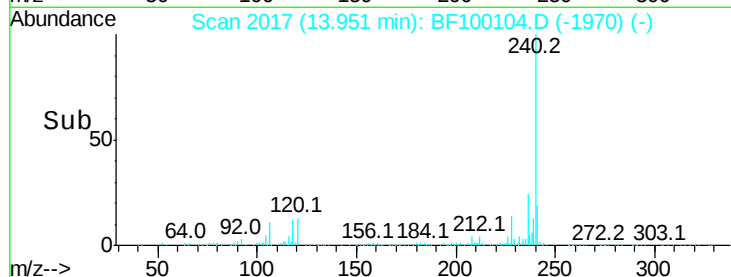
236 24.8 20.7 31.1



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

Pyrene

Concen: 11.459 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

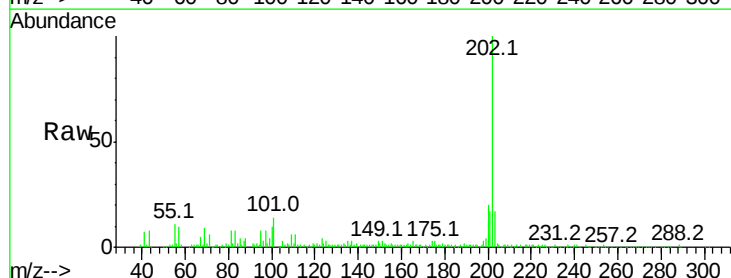
Tgt Ion:202 Resp: 120077

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

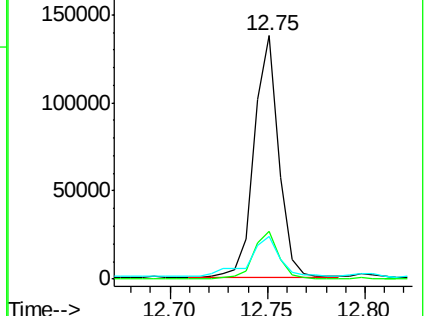
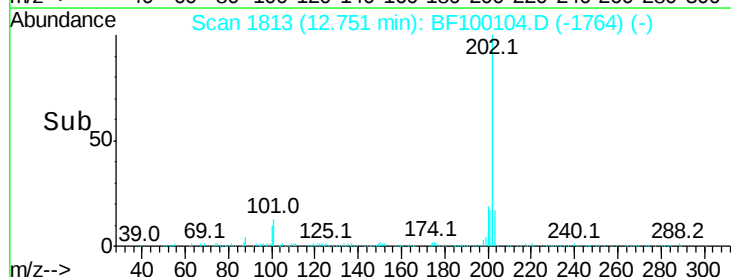
203 17.5 14.3 21.5

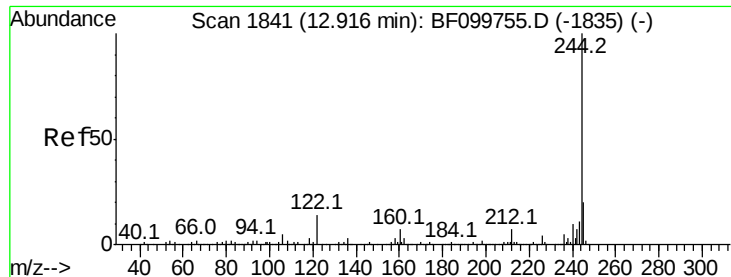


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.463 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

Instrument :

BNA_F

ClientSampleId :

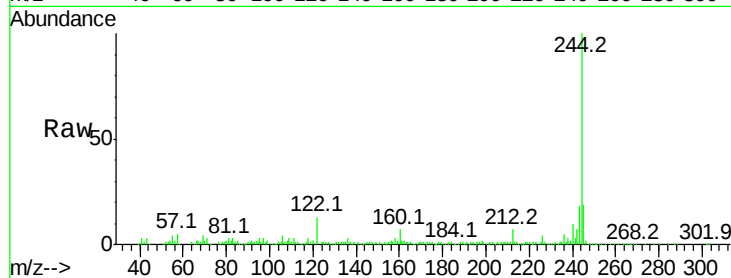
Tot Ion:244 Resp: 261466

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 12.7 11.0 16.4

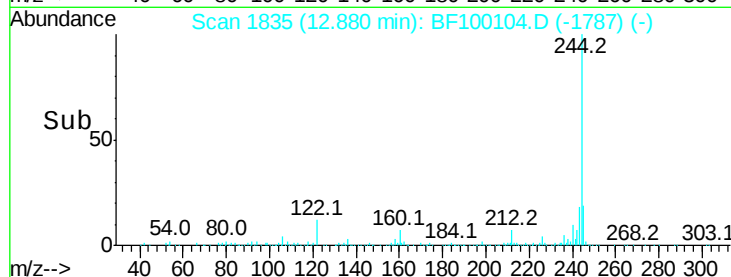


Abundance Ion 244.00 (243.70 to 244.70): E

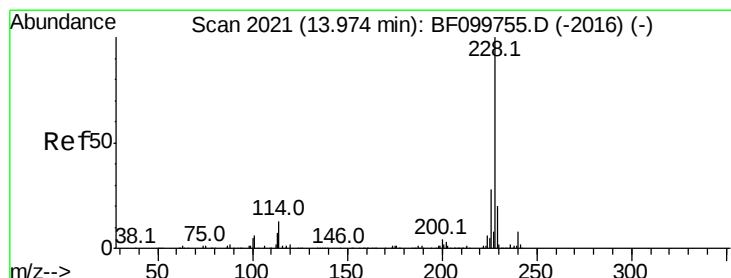
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.88



Time-->



#80

Benzo(a)anthracene

Concen: 7.988 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF100104.D

Acq: 3 Nov 2017 00:00

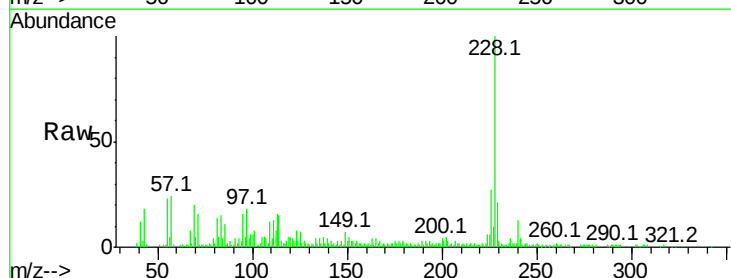
Tgt Ion:228 Resp: 69786

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

229 21.1 15.8 23.6

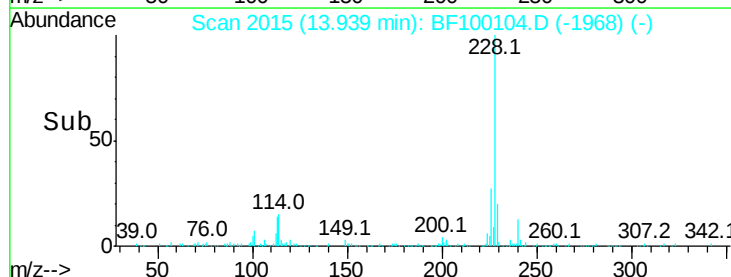


Abundance Ion 228.00 (227.70 to 228.70): E

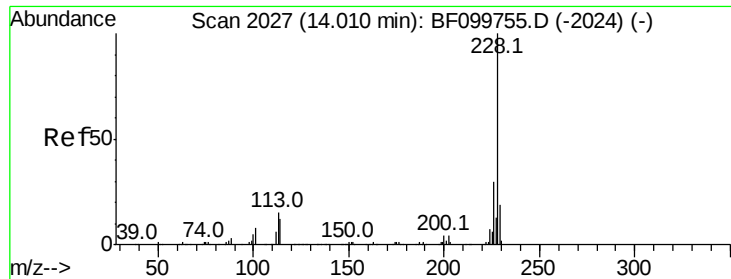
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.94



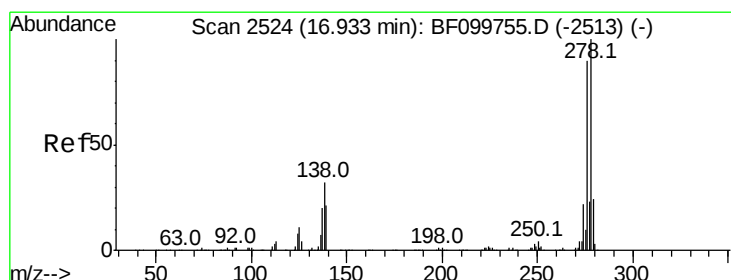
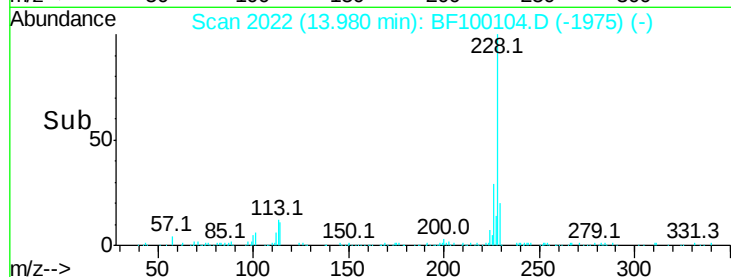
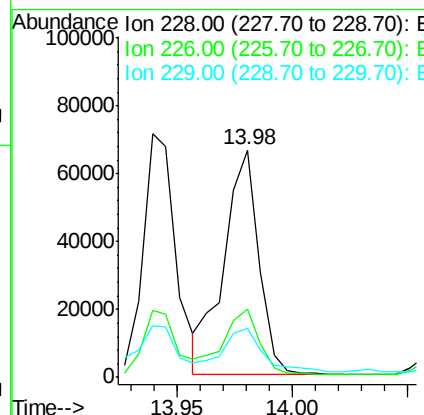
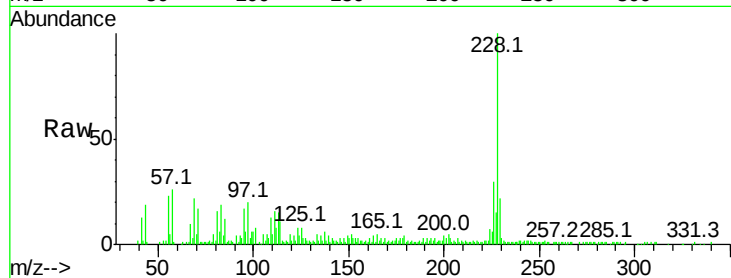
Time-->



#82
Chrysene
Concen: 8.522 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

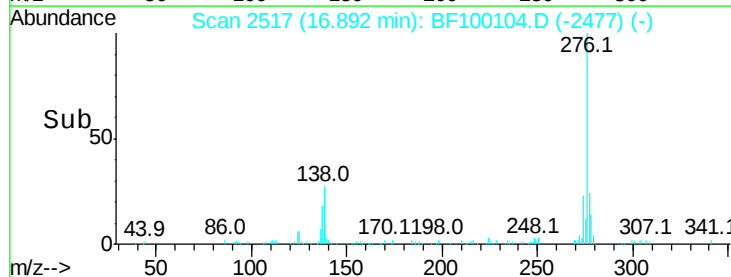
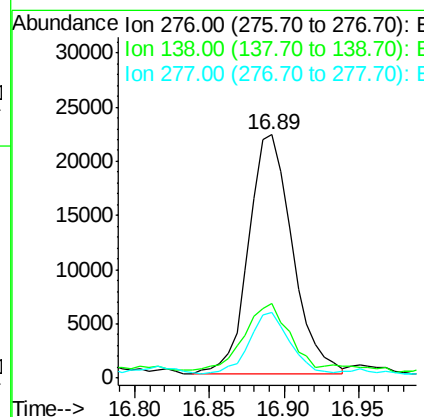
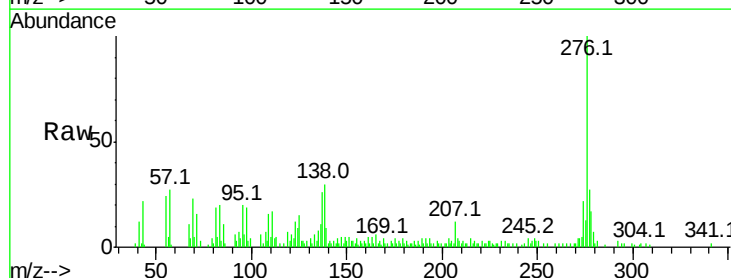
Instrument :
BNA_F
ClientSampleId :

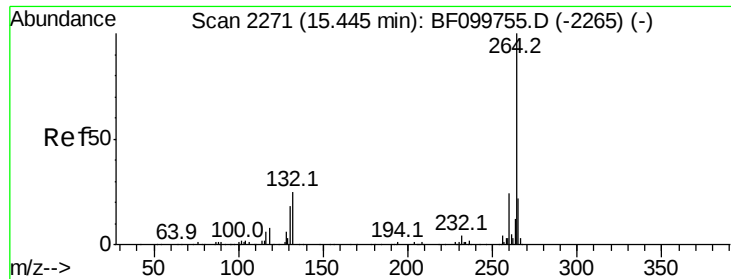
Tot Ion:228 Resp: 69993
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 21.6 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.953 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.06 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Tgt Ion:276 Resp: 44888
Ion Ratio Lower Upper
276 100
138 28.4 25.0 37.6
277 23.1 20.1 30.1

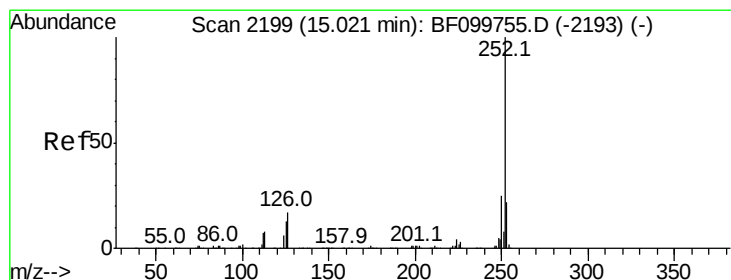
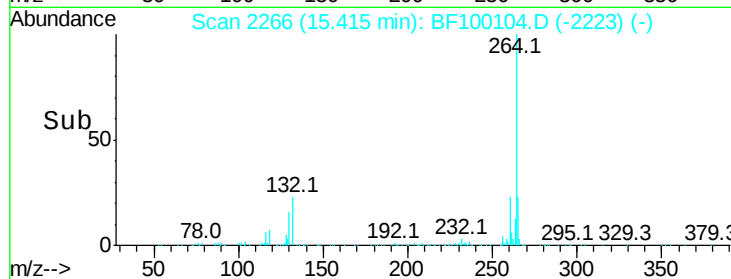
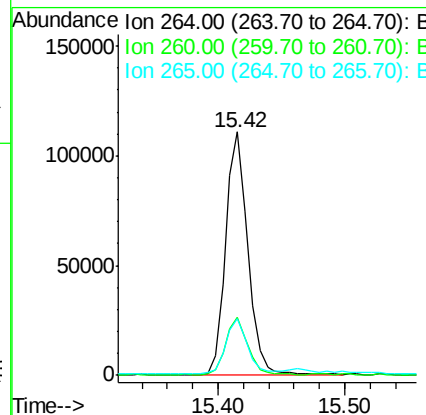
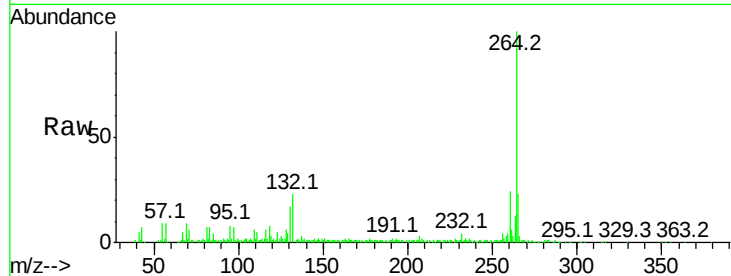




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.05 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

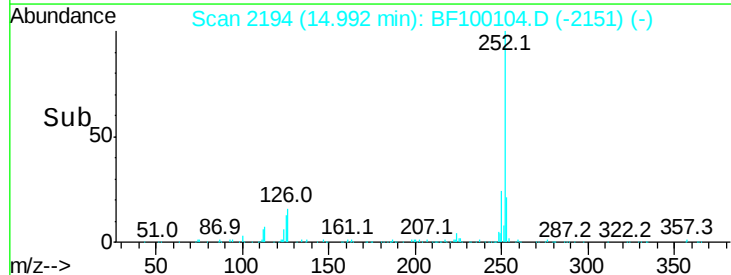
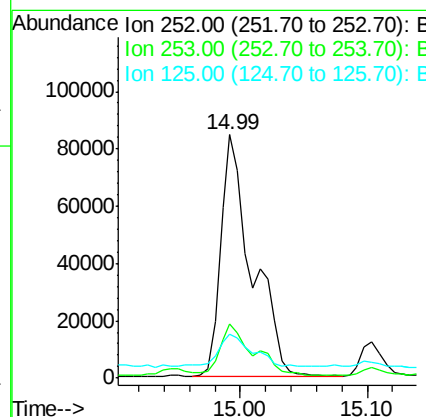
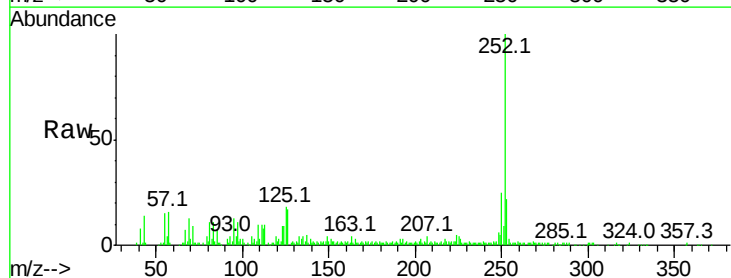
Instrument :
BNA_F
ClientSampled :

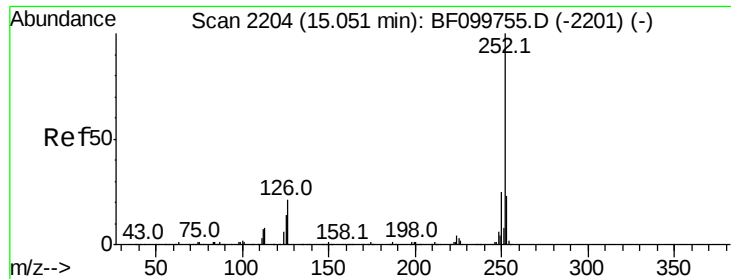
Tot Ion:264 Resp: 136111
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 23.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 16.923 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Tgt Ion:252 Resp: 145446
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 18.0 9.0 13.6#

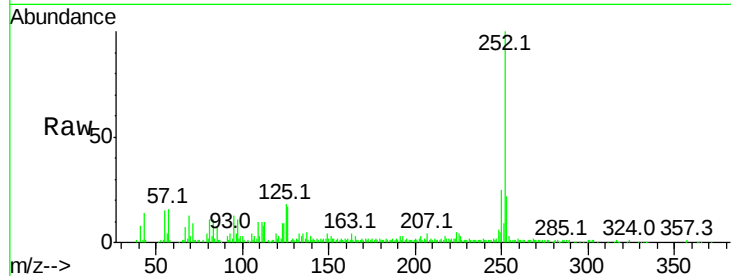




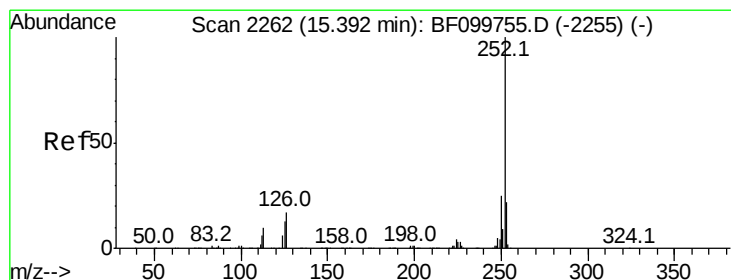
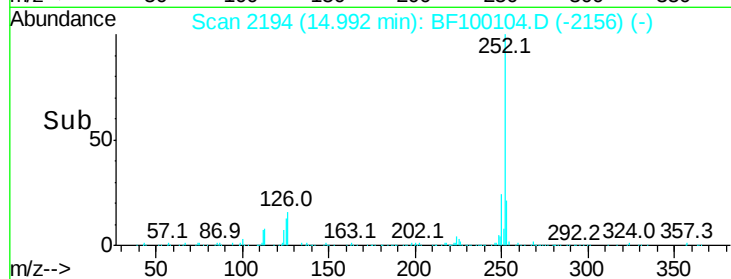
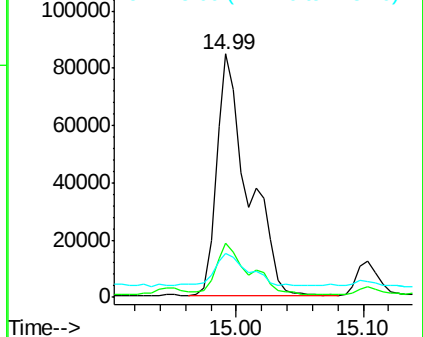
#88
Benzo(k)fluoranthene
Concen: 17.946 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.08 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 145446
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 18.0 10.2 15.2#

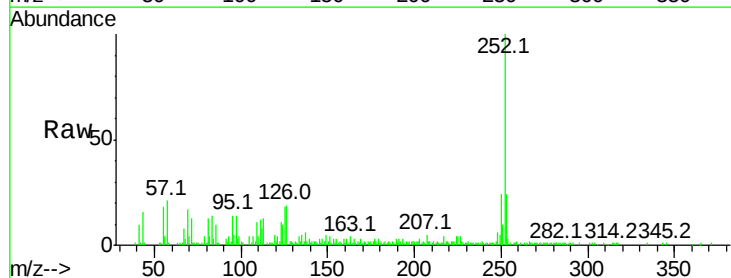


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

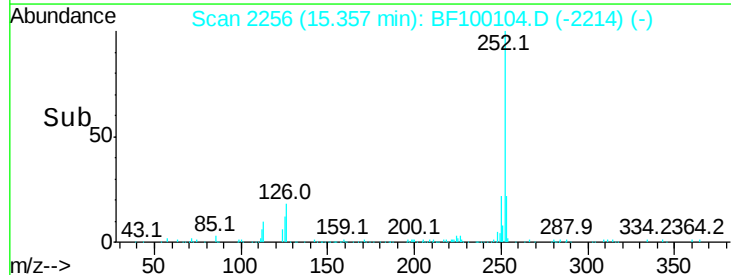
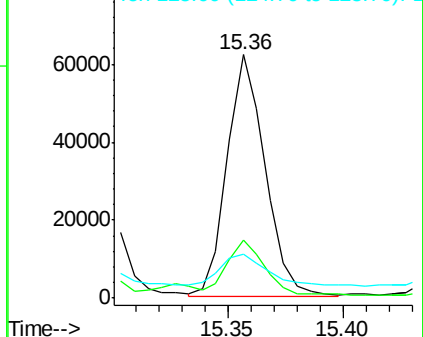


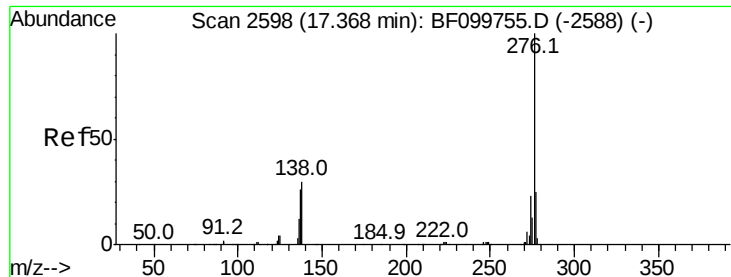
#89
Benzo(a)pyrene
Concen: 9.183 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.05 min
Lab File: BF100104.D
Acq: 3 Nov 2017 00:00

Tgt Ion:252 Resp: 70898
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 18.0 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





#91
 Benzo(a,h,i)perylene
 Concen: 6.548 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.06 min
 Lab File: BF100104.D
 Acq: 3 Nov 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	28.2	21.8	32.8

