

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100094.D
 Acq On : 2 Nov 2017 19:28
 Operator : SJ/JU
 Sample : I6249-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 20:23:21 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

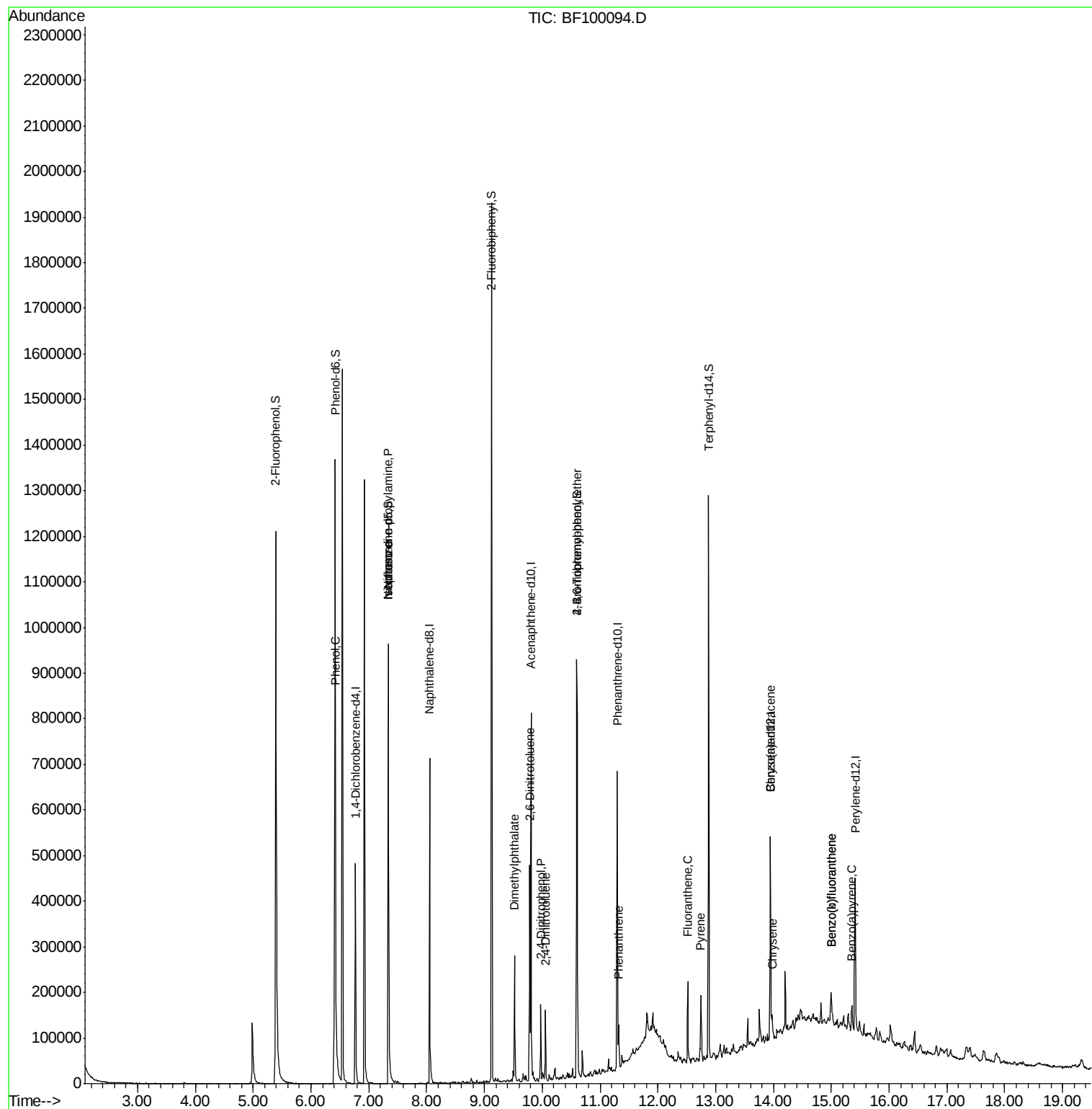
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	81903	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	331908	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	150859	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	232359	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	151918	20.00	ng	-0.02
86) Perylene-d12	15.41	264	148981	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	493312	94.56	ng	0.00
7) Phenol-d6	6.42	99	586257	94.78	ng	-0.01
23) Nitrobenzene-d5	7.34	82	326704	63.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	118061	85.87	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	608794	62.26	ng	-0.01
78) Terphenyl-d14	12.88	244	391520	56.32	ng	-0.02
Target Compounds						
10) Phenol	6.43	94	16142	2.377	ng	# 67
19) n-Nitroso-di-n-propylamine	7.34	70	40643	11.212	ng	# 70
25) Isophorone	7.34	82	326704	34.923	ng	# 64
49) Dimethylphthalate	9.52	163	109935	9.202	ng	# 99
50) 2,6-Dinitrotoluene	9.78	165	37518	14.939	ng	# 36
53) 2,4-Dinitrophenol	9.98	184	262	6.006	ng	# 1
56) 2,4-Dinitrotoluene	10.06	165	12455	4.118	ng	# 34
66) 4-Bromophenyl-phenylether	10.60	248	7490	3.062	ng	# 1
70) Phenanthrene	11.32	178	35085	2.676	ng	# 97
74) Fluoranthene	12.52	202	66045	4.846	ng	# 99
77) Pyrene	12.75	202	57616	4.988	ng	# 96
80) Benzo(a)anthracene	13.94	228	23888	2.480	ng	# 97
82) Chrysene	13.97	228	19988	2.208	ng	# 98
87) Benzo(b)fluoranthene	14.99	252	35702	3.795	ng	# 88
88) Benzo(k)fluoranthene	14.99	252	35702	4.025	ng	# 90
89) Benzo(a)pyrene	15.36	252	20285	2.400	ng	# 90

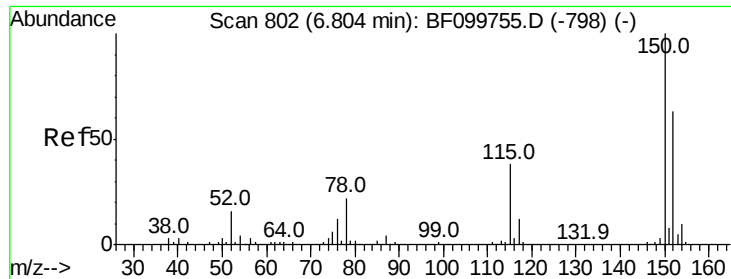
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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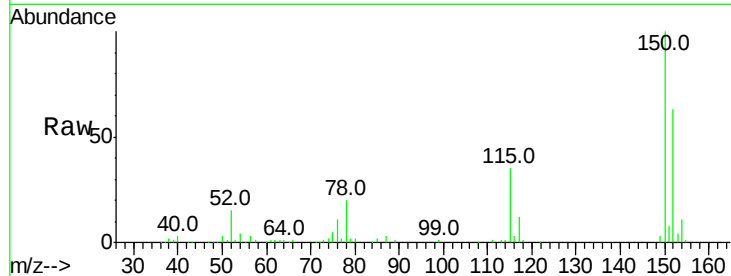


#1

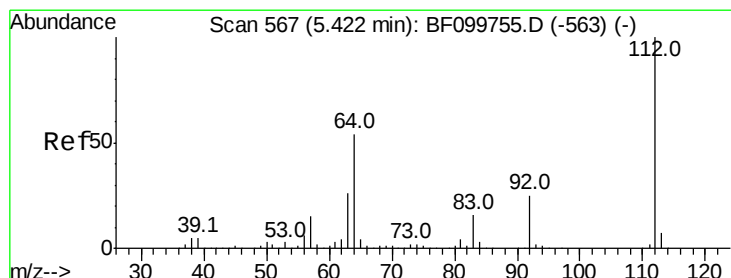
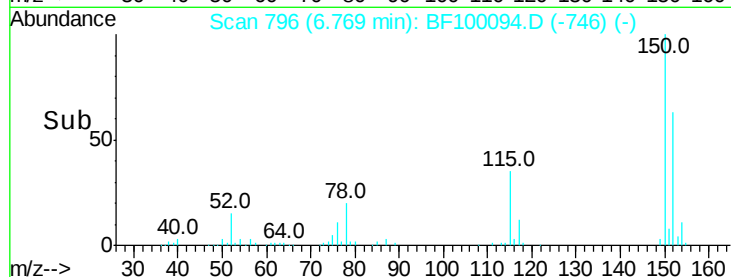
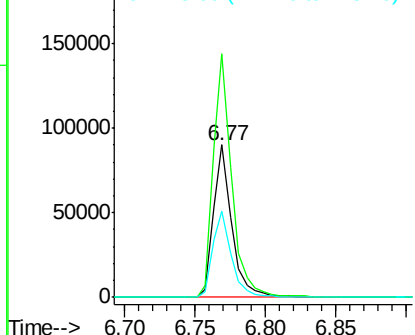
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81903
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 56.3 50.1 75.1



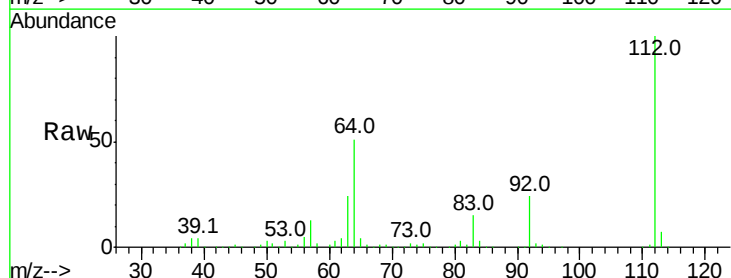
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



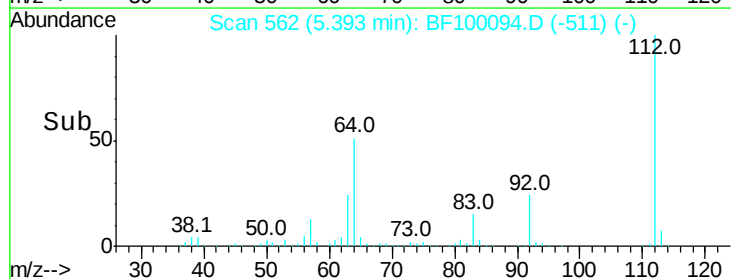
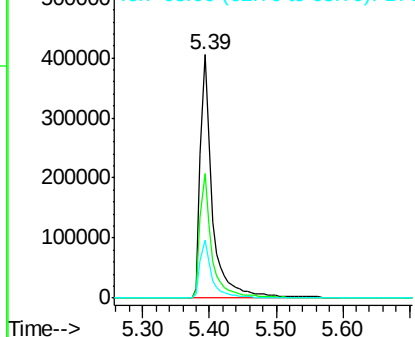
#5

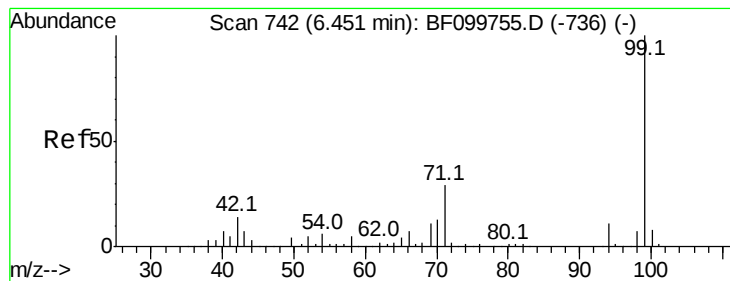
2-Fluorophenol
Concen: 94.561 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

Tgt Ion:112 Resp: 493312
Ion Ratio Lower Upper
112 100
64 51.1 47.9 71.9
63 23.9 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: 94.776 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

Instrument :

BNA_F

ClientSampleId :

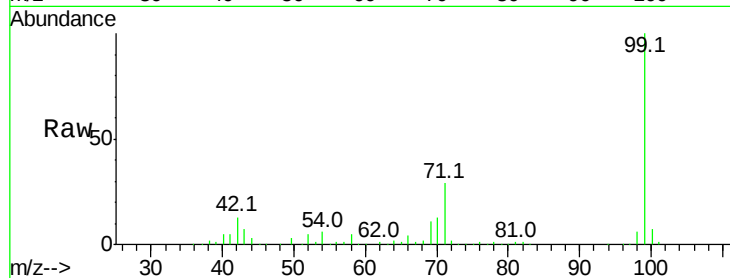
Tot Ion: 99 Resp: 586257

Ion Ratio Lower Upper

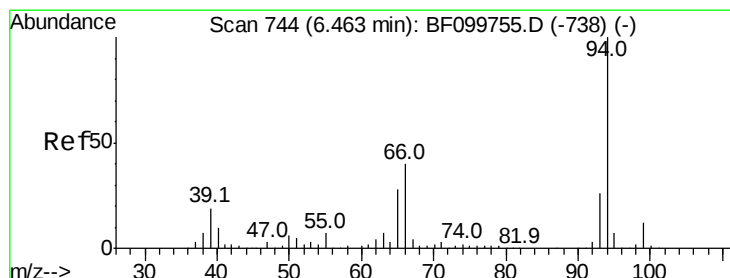
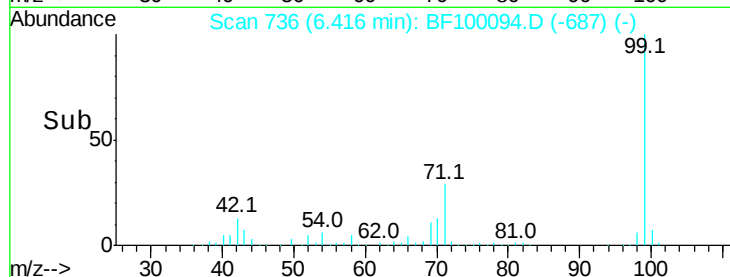
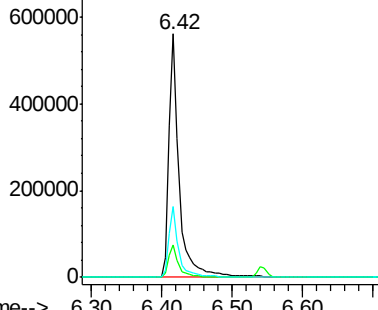
99 100

42 13.3 14.5 21.7#

71 28.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.377 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

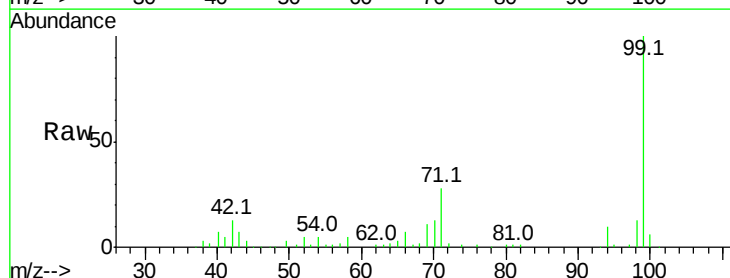
Tgt Ion: 94 Resp: 16142

Ion Ratio Lower Upper

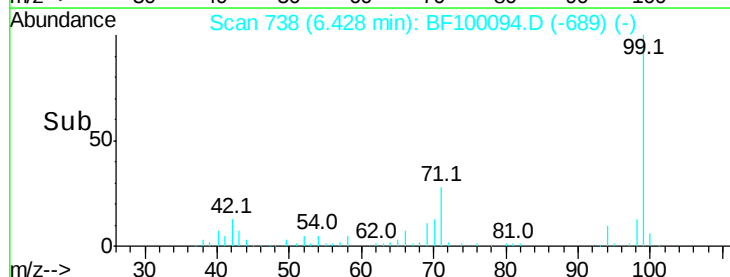
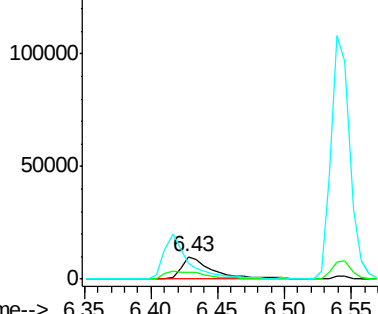
94 100

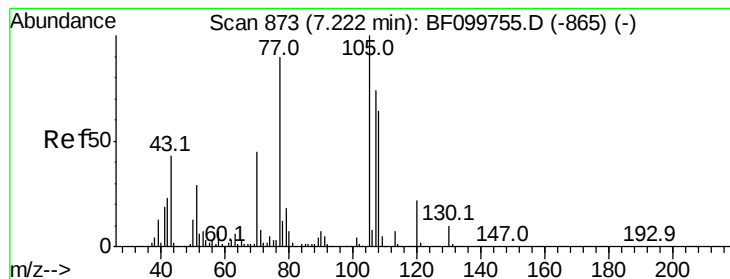
65 28.6 7.9 47.9

66 70.4 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.212 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 40643

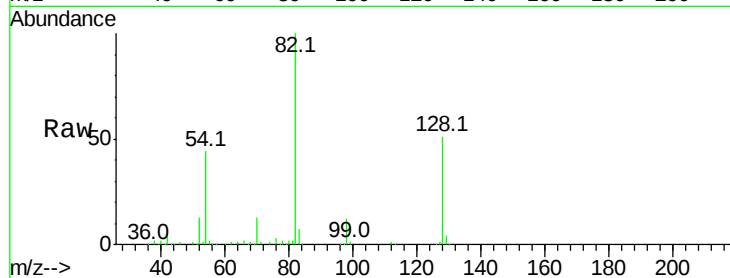
Ion Ratio Lower Upper

70 100

42 38.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

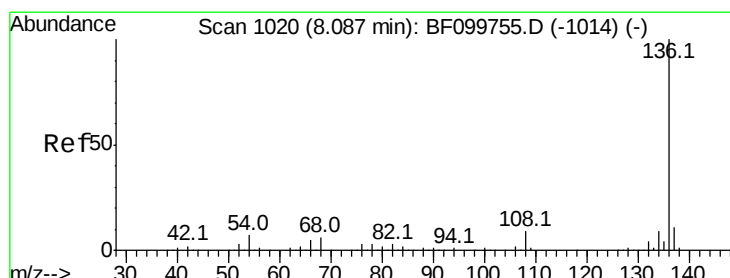
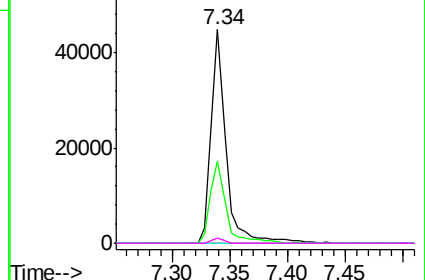
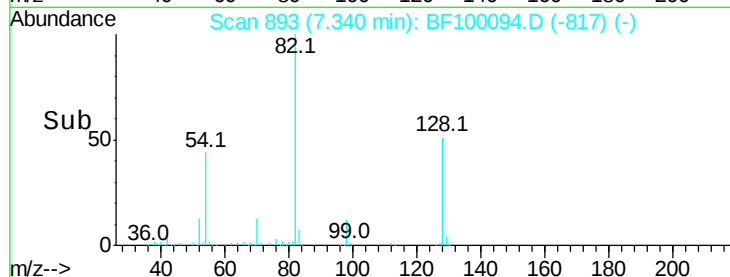


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF100094.D

Acq: 2 Nov 2017 19:28

Tgt Ion: 136 Resp: 331908

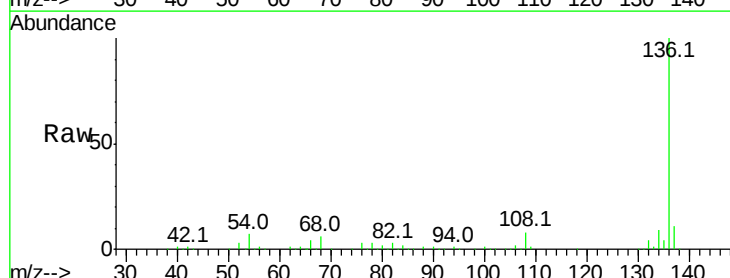
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 6.6 9.8#

68 5.6 5.0 7.4

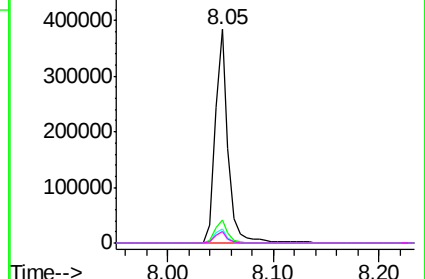
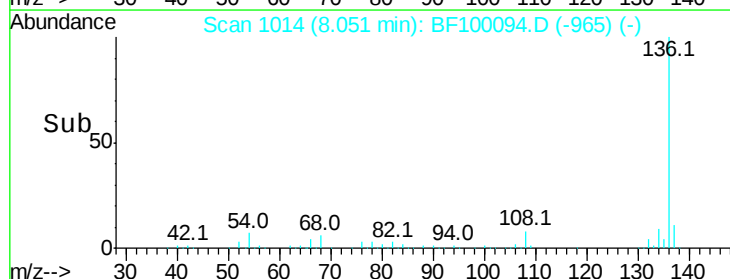


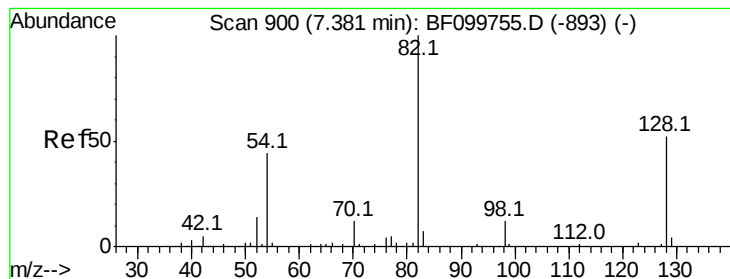
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 63.371 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

Instrument :

BNA_F

ClientSampled :

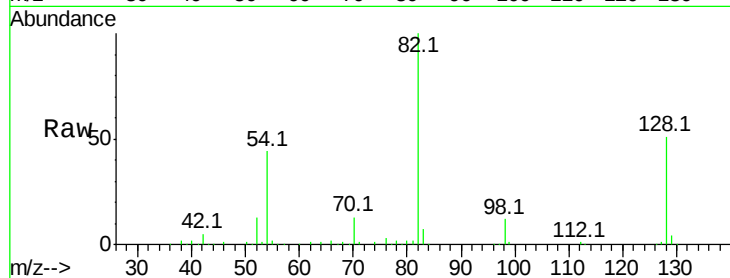
Tot Ion: 82 Resp: 326704

Ion Ratio Lower Upper

82 100

128 50.7 36.1 54.1

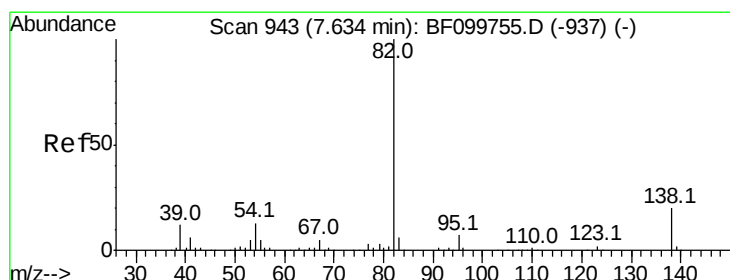
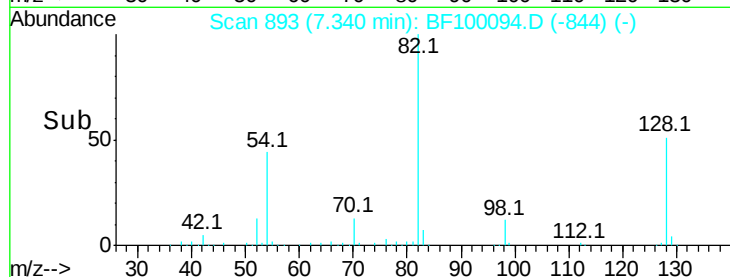
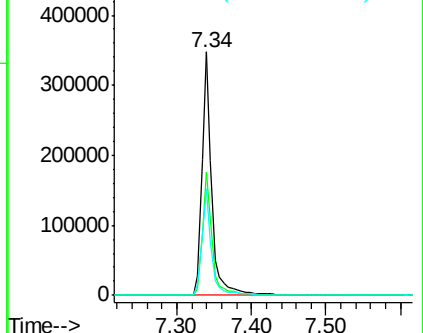
54 43.7 41.4 62.2



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: 34.923 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

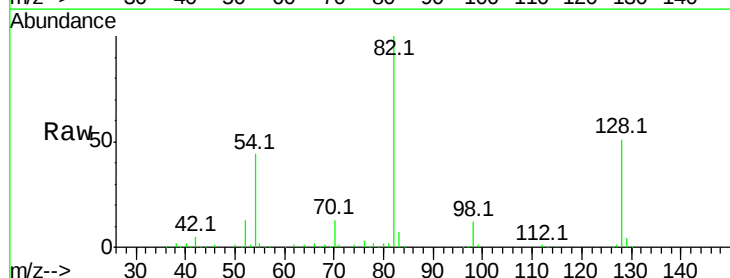
Tgt Ion: 82 Resp: 326704

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

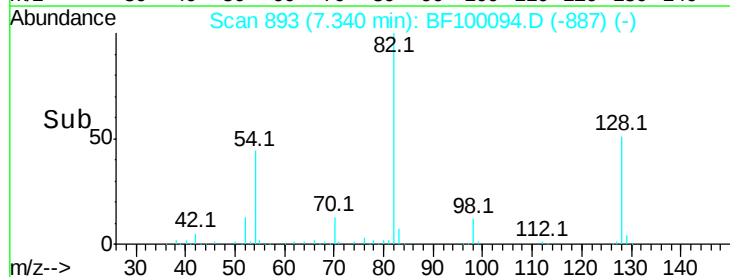
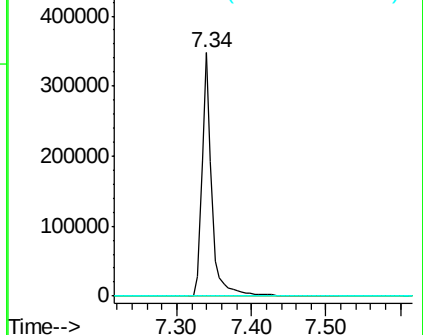
138 0.0 14.9 22.3#

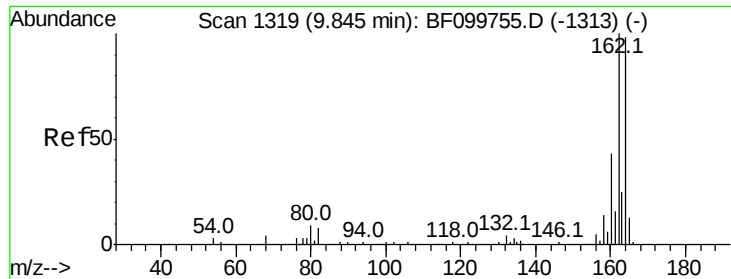


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

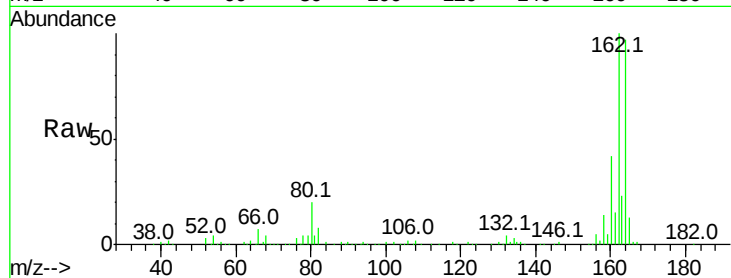




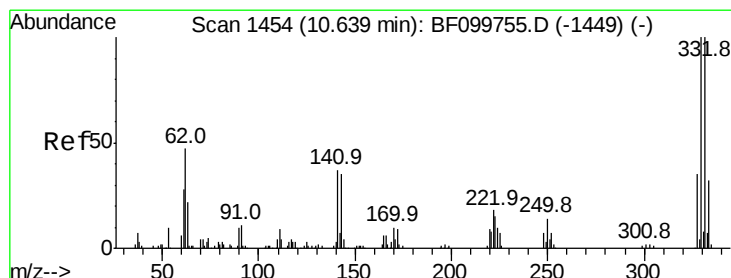
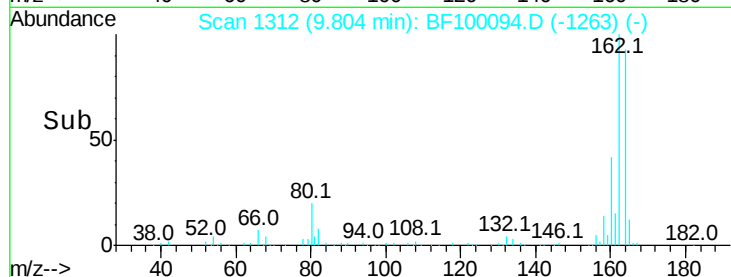
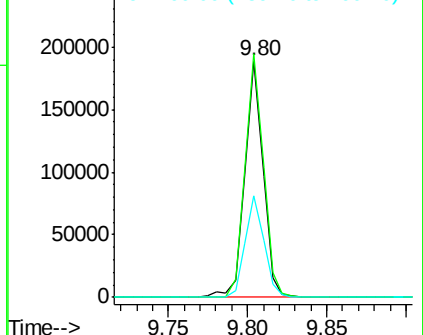
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF100094.D
 Acq: 2 Nov 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	43.1	38.3	57.5

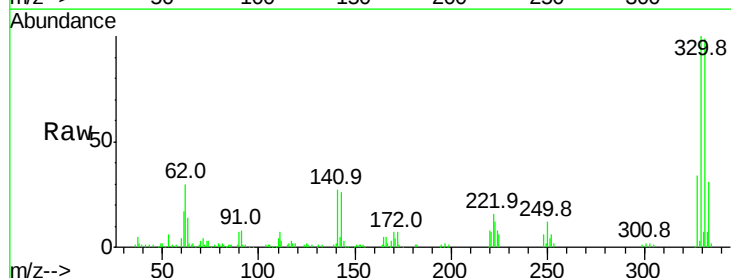


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

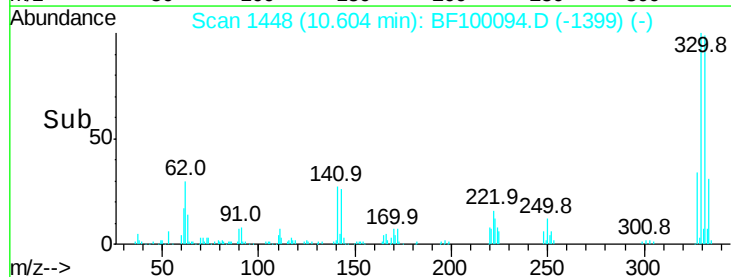
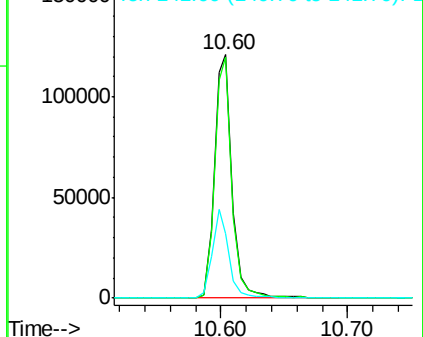


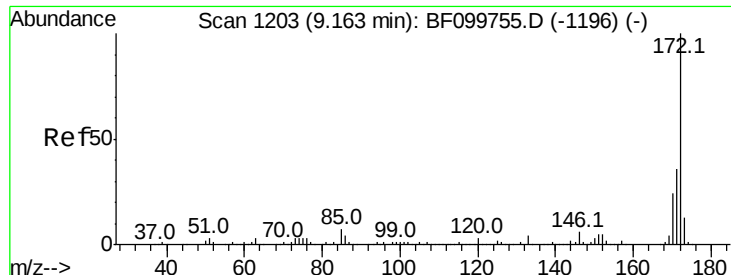
#41
 2,4,6-Tribromophenol
 Concen: 85.875 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100094.D
 Acq: 2 Nov 2017 19:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	34.7	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

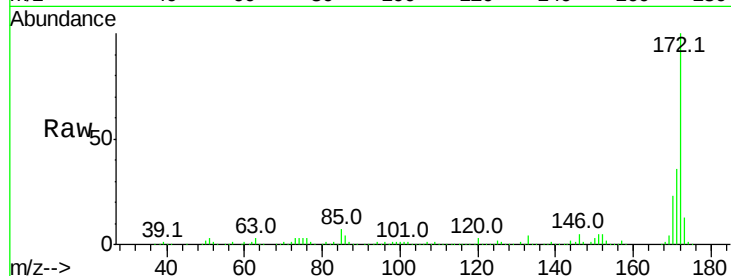




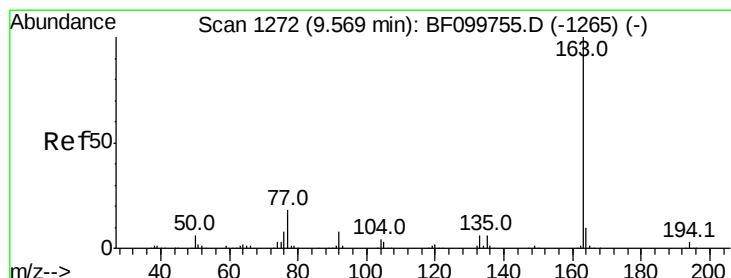
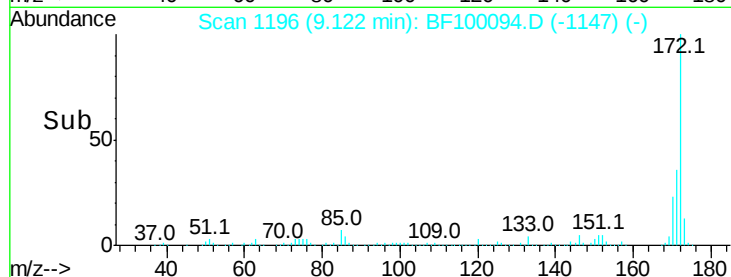
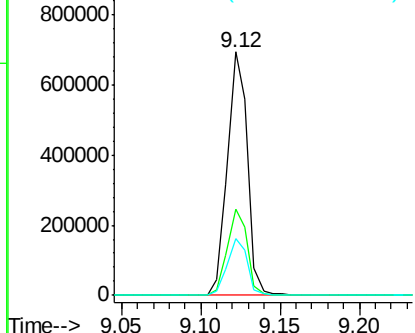
#44
2-Fluorobiphenyl
Concen: 62.262 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 608794
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 23.2 19.6 29.4

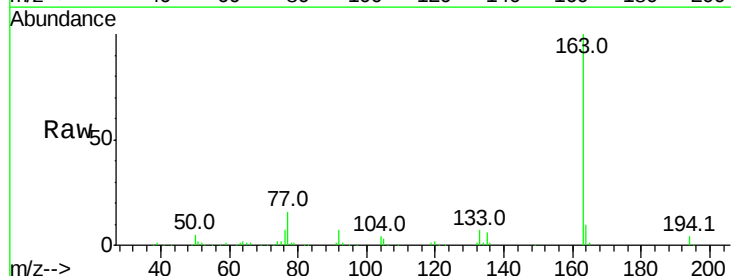


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

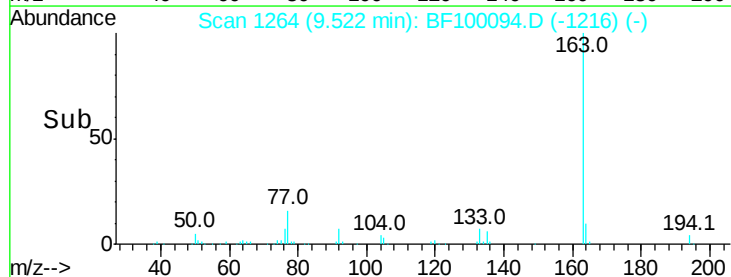
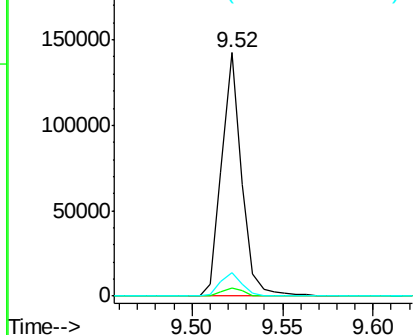


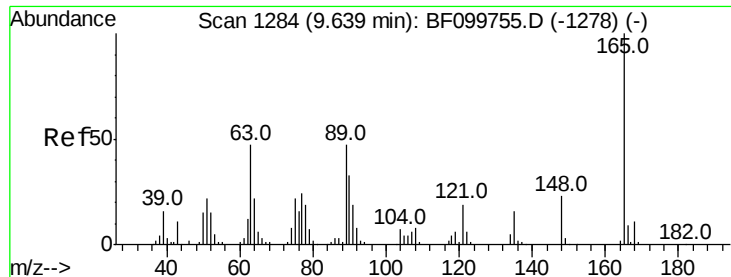
#49
Dimethylphthalate
Concen: 9.202 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

Tgt Ion:163 Resp: 109935
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.9 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

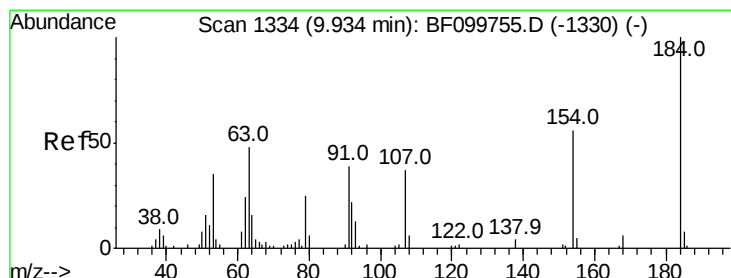
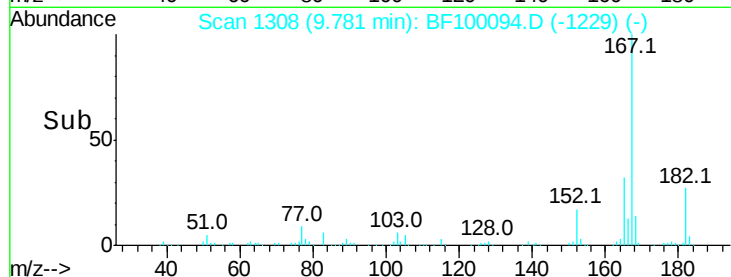
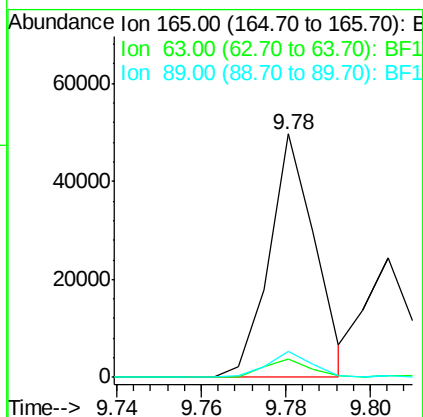
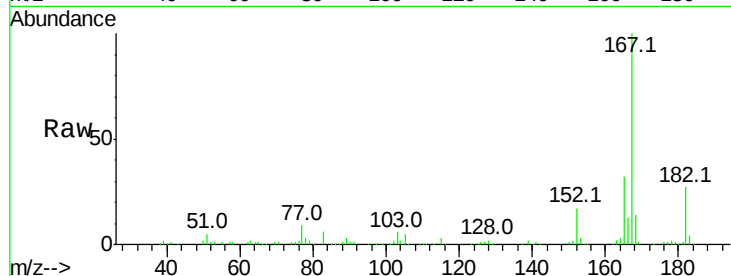




#50
 2,6-Dinitrotoluene
 Concen: 14.939 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. 0.16 min
 Lab File: BF100094.D
 Acq: 2 Nov 2017 19:28

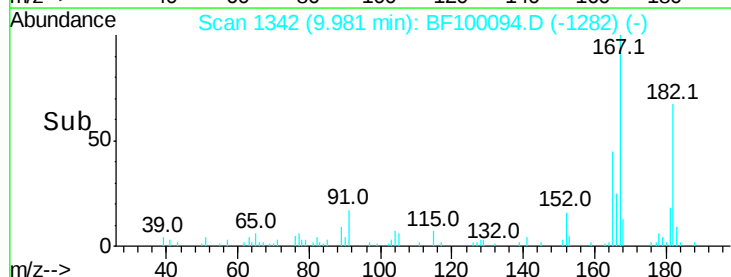
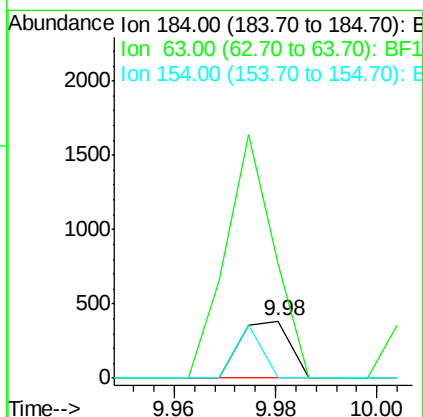
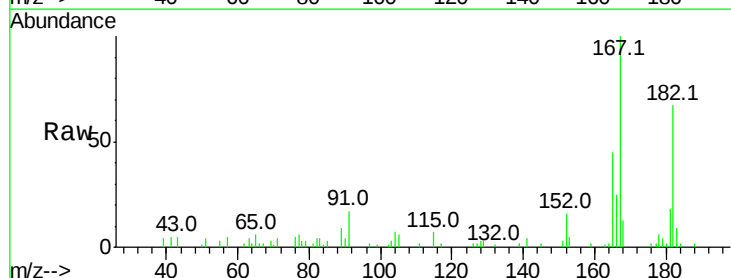
Instrument :
 BNA_F
 ClientSampleId :

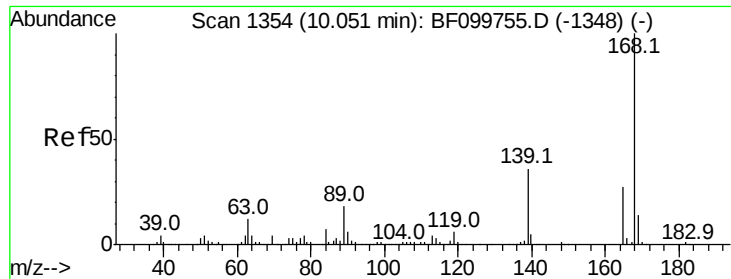
Tot Ion:165 Resp: 37518
 Ion Ratio Lower Upper
 165 100
 63 7.4 44.7 67.1#
 89 10.7 44.0 66.0#



#53
 2,4-Dinitrophenol
 Concen: 6.006 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.05 min
 Lab File: BF100094.D
 Acq: 2 Nov 2017 19:28

Tgt Ion:184 Resp: 262
 Ion Ratio Lower Upper
 184 100
 63 201.3 54.2 81.2#
 154 0.0 53.5 80.3#

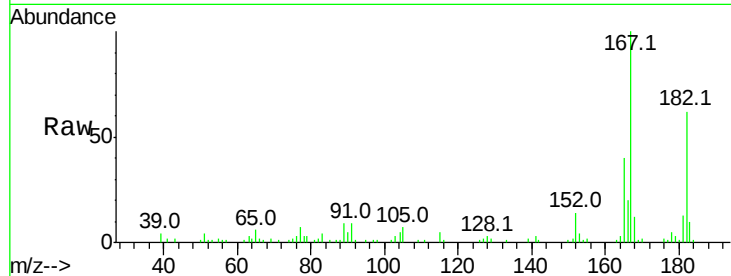




#56
 2,4-Dinitrotoluene
 Concen: 4.118 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. 0.02 min
 Lab File: BF100094.D
 Acq: 2 Nov 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	6.8	36.4	54.6#
89	21.8	57.8	86.6#
182	153.2	1.6	2.4#

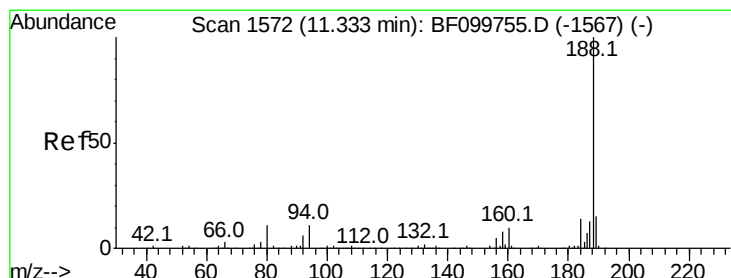
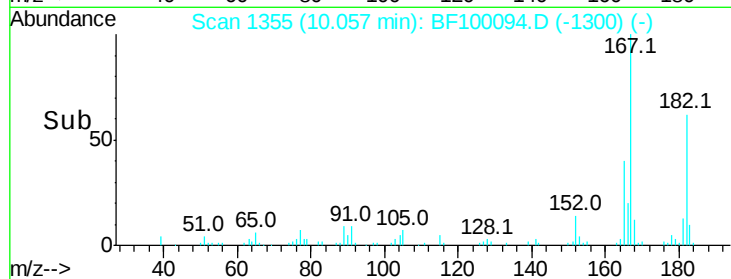
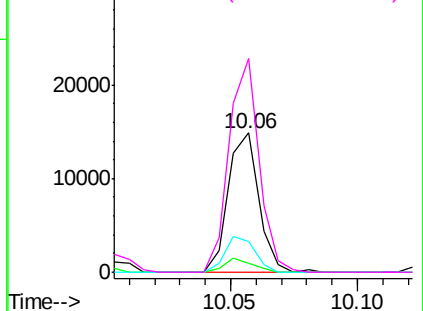


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

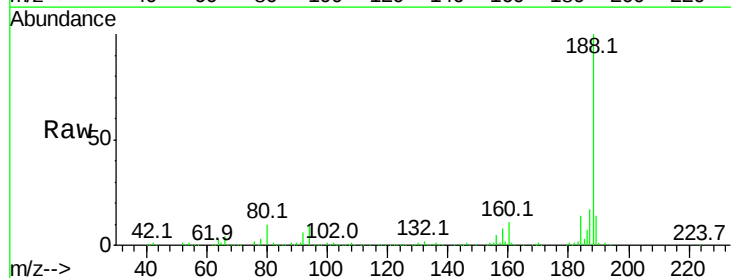
Ion 89.00 (88.70 to 89.70): BF1

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: BF100094.D
 Acq: 2 Nov 2017 19:28

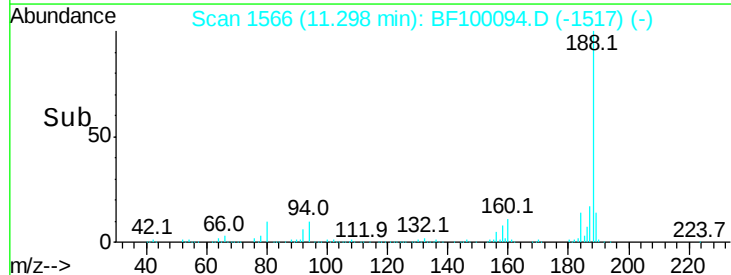
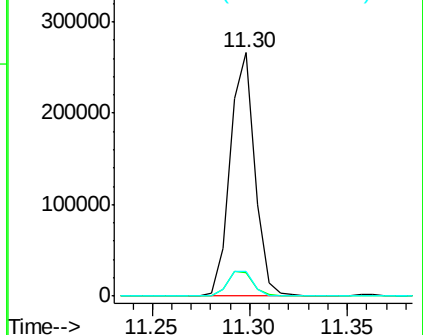
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.3	9.2	13.8

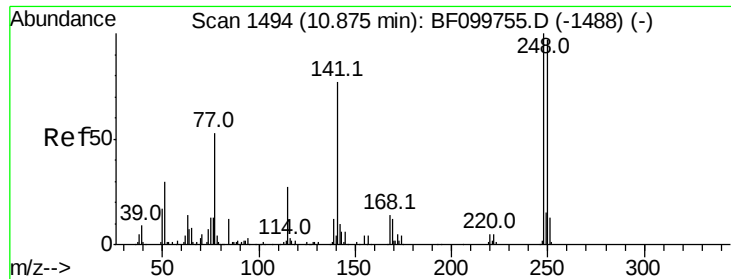


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

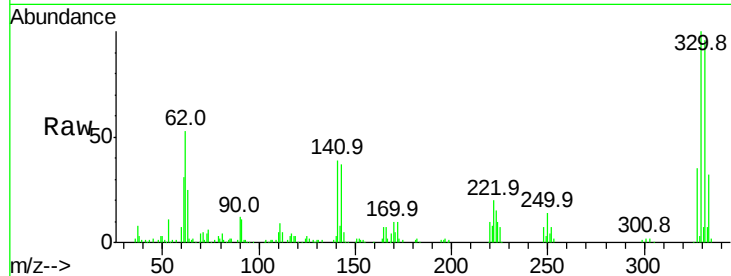




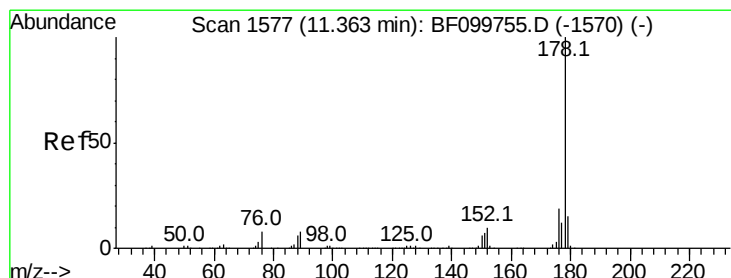
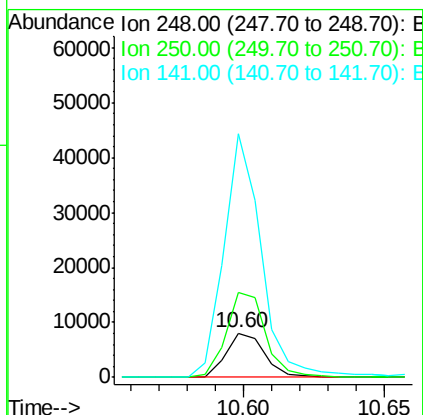
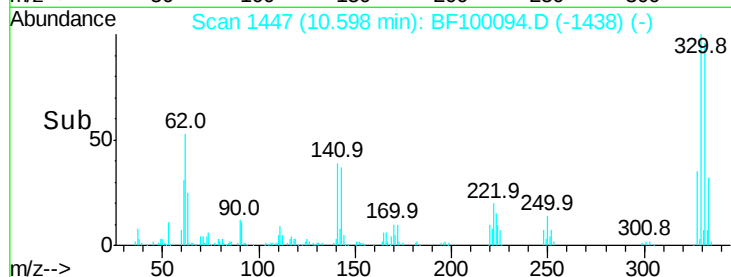
#66
 4-Bromophenyl-phenylether
 Concen: 3.062 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF100094.D
 Acq: 2 Nov 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7490
 Ion Ratio Lower Upper
 248 100
 250 194.4 76.9 115.3#
 141 554.5 74.4 111.6#

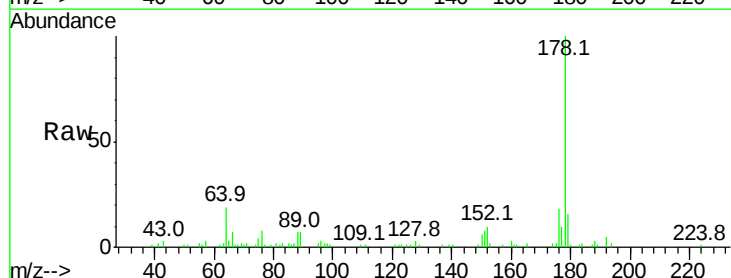


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

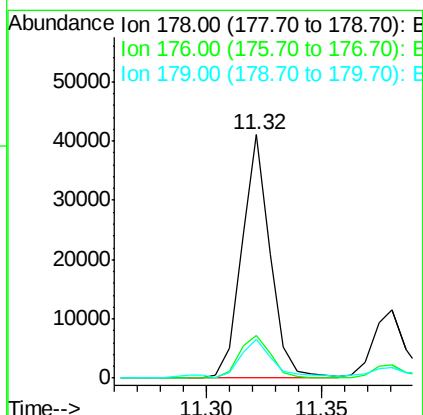
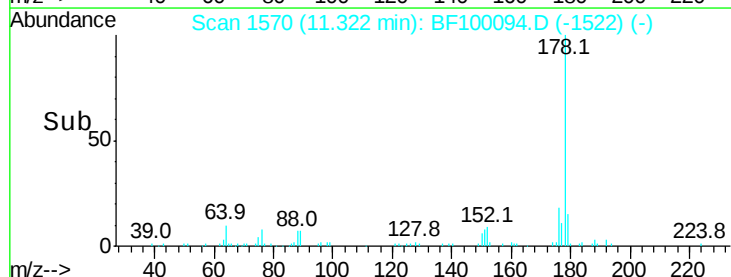


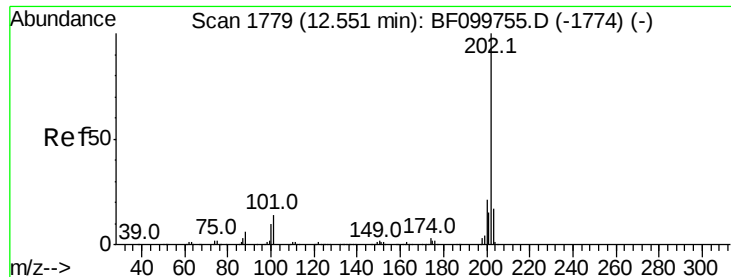
#70
 Phenanthrene
 Concen: 2.676 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF100094.D
 Acq: 2 Nov 2017 19:28

Tgt Ion:178 Resp: 35085
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.8 23.8
 179 15.8 13.0 19.6



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





#74

Fluoranthene

Concen: 4.846 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

Instrument :

BNA_F

ClientSampleId :

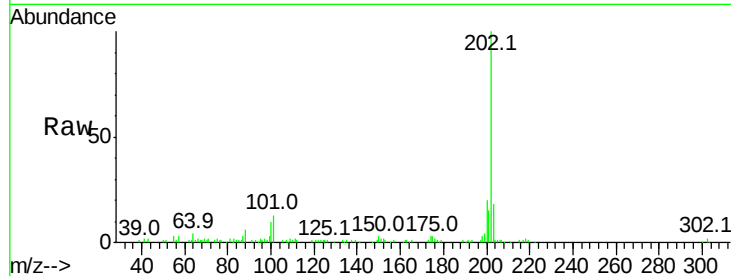
Tot Ion:202 Resp: 66045

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

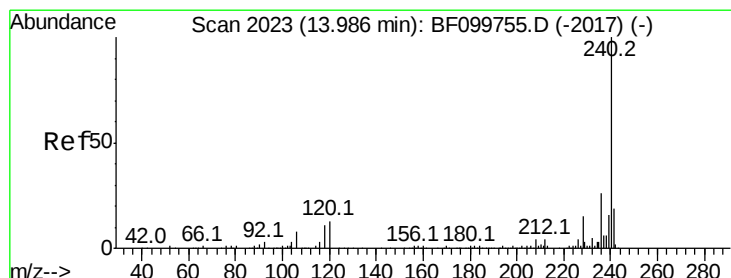
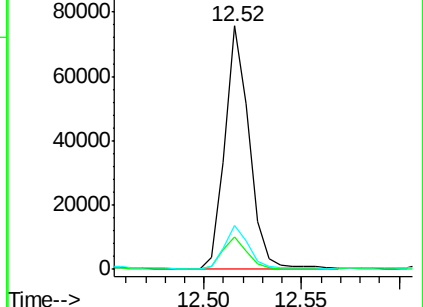
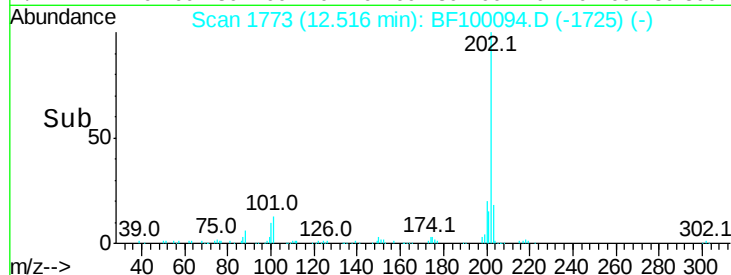
203 18.1 0.0 38.1



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: BF100094.D

Acq: 2 Nov 2017 19:28

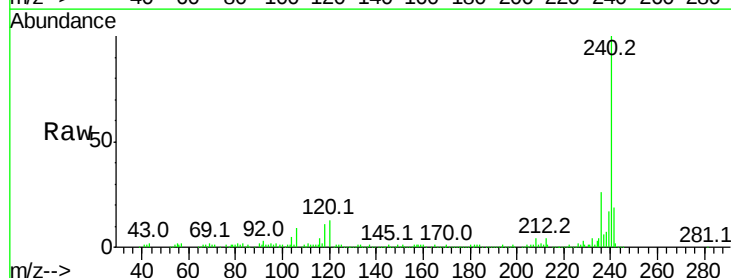
Tgt Ion:240 Resp: 151918

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

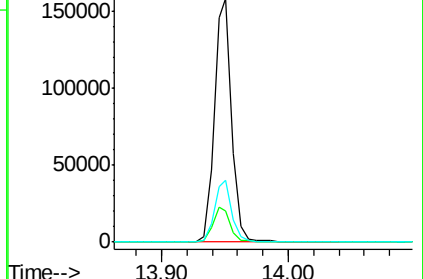
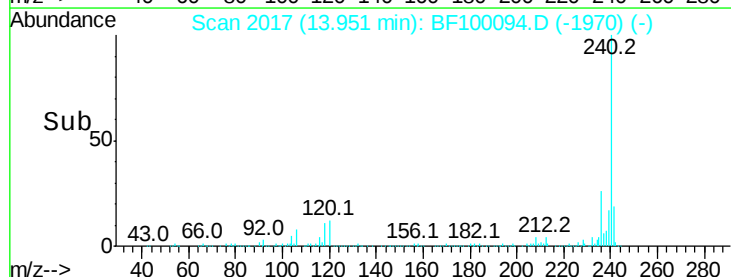
236 25.5 20.7 31.1

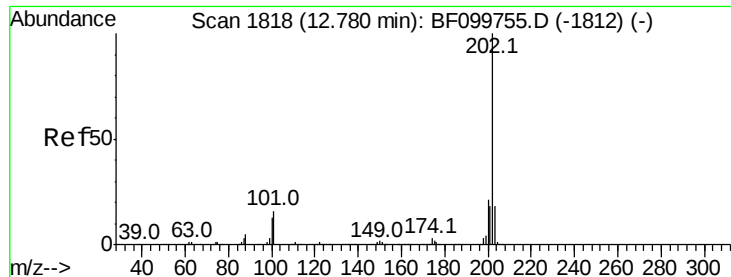


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

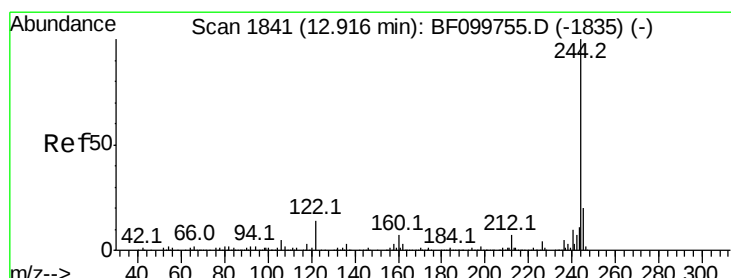
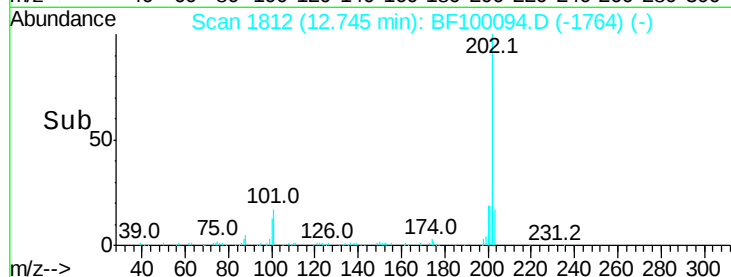
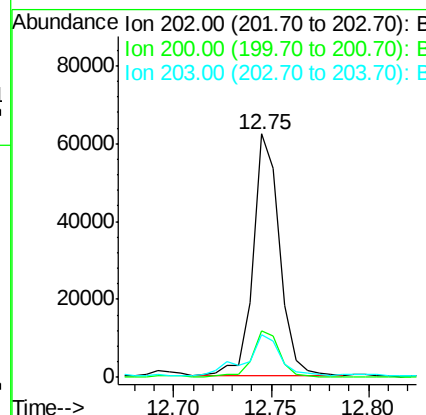
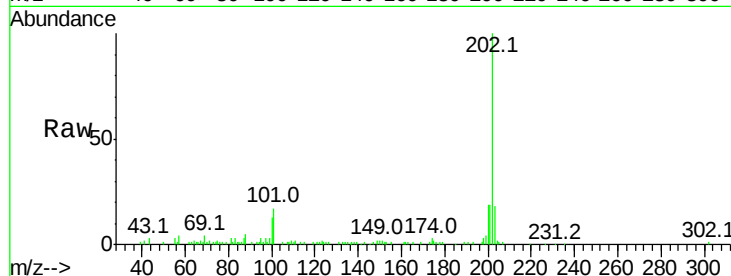




#77
Pvrene
Concen: 4.988 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

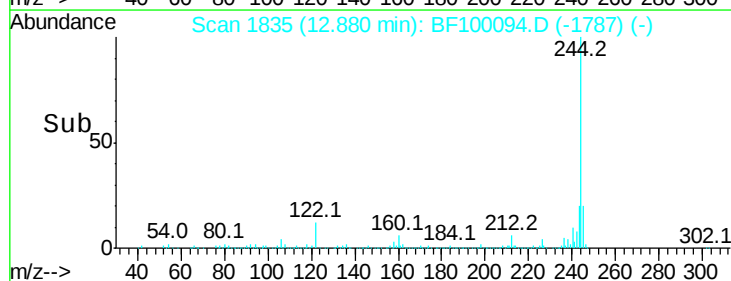
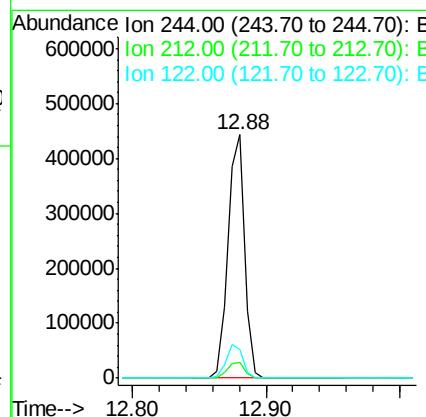
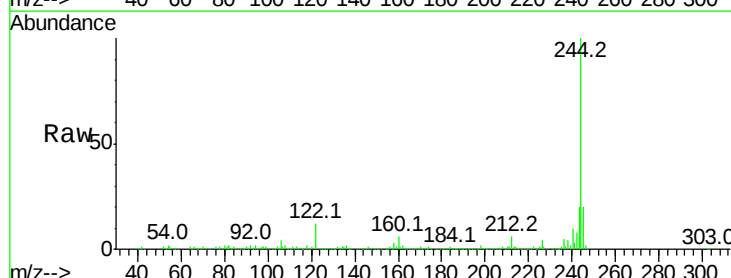
Instrument :
BNA_F
ClientSampleId :

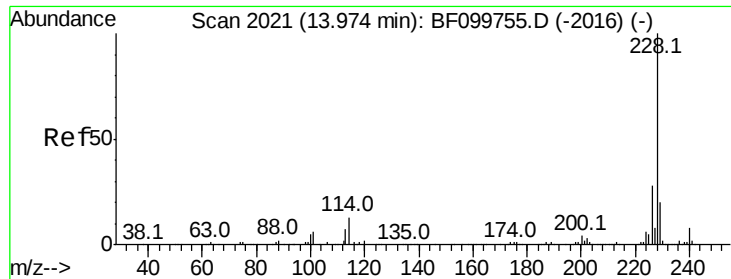
Tot Ion:202 Resp: 57616
Ion Ratio Lower Upper
202 100
200 18.9 17.4 26.2
203 17.7 14.3 21.5



#78
Terphenyl-d14
Concen: 56.321 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

Tgt Ion:244 Resp: 391520
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 11.9 11.0 16.4





#80

Benzo(a)anthracene

Concen: 2.480 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

Instrument :

BNA_F

ClientSampleId :

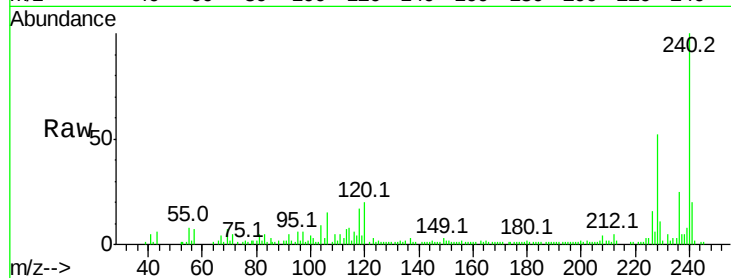
Tot Ion:228 Resp: 23888

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

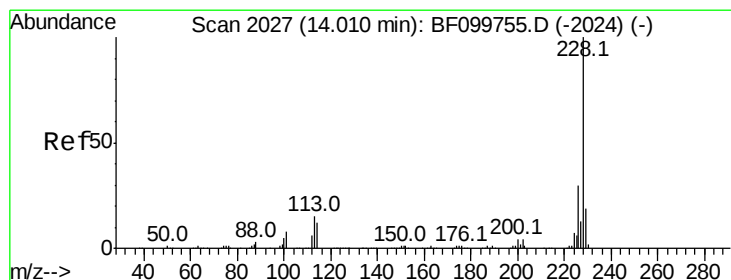
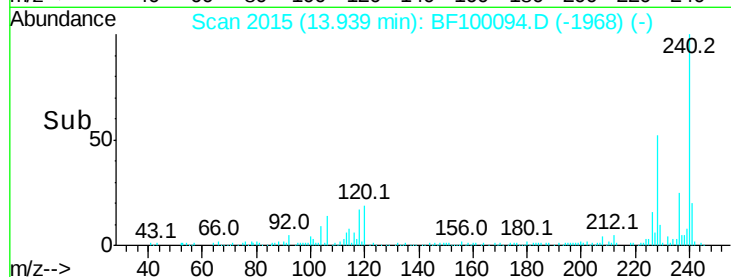
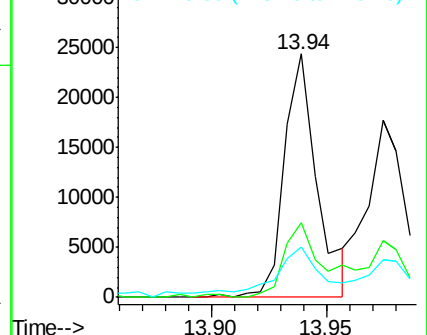
229 20.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.208 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.03 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

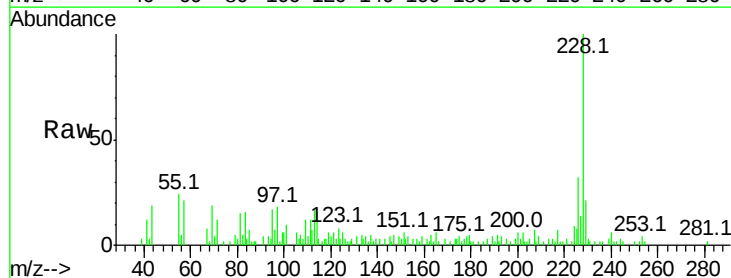
Tgt Ion:228 Resp: 19988

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.6

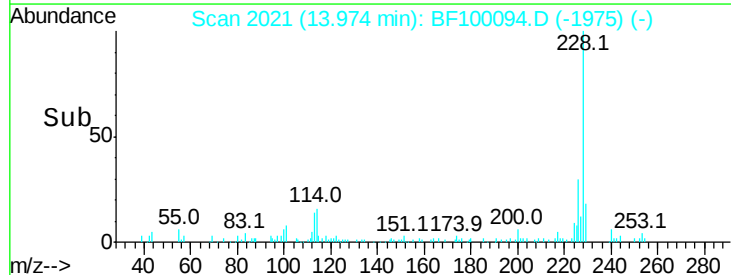
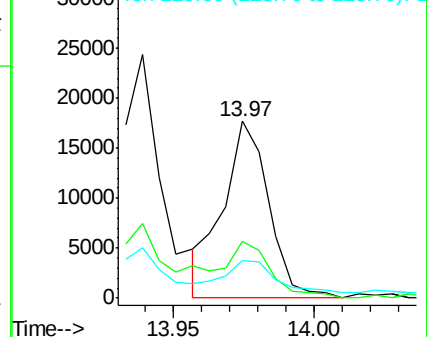
229 21.0 16.2 24.4

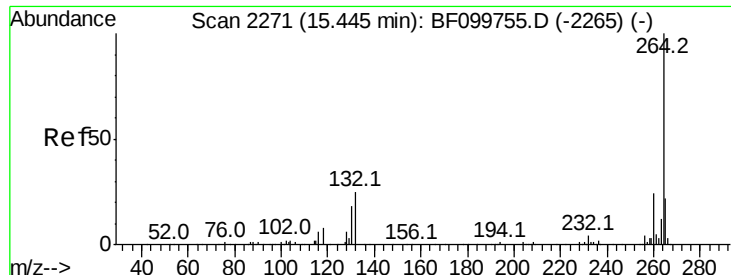


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

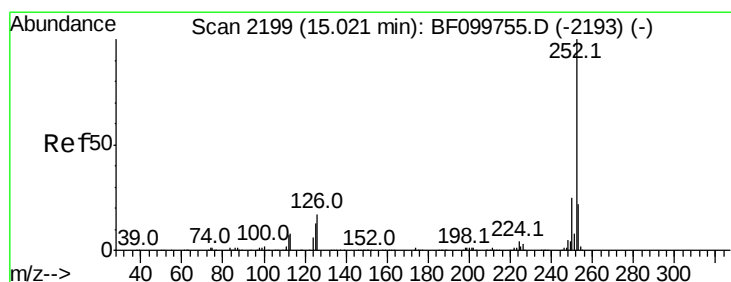
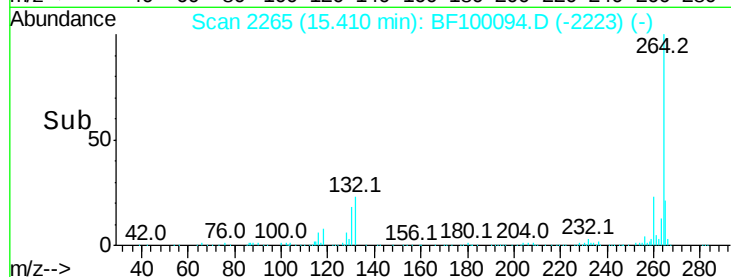
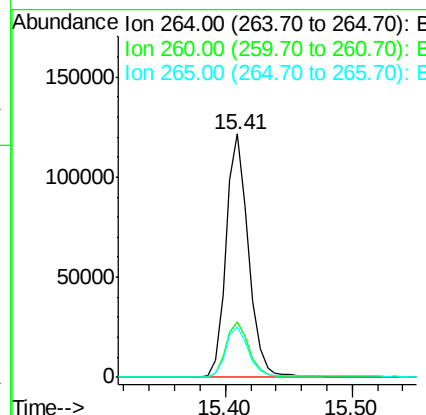
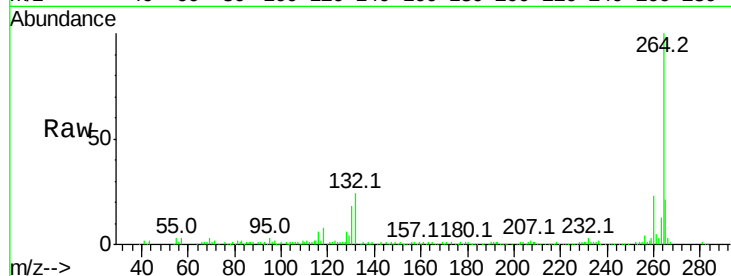




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

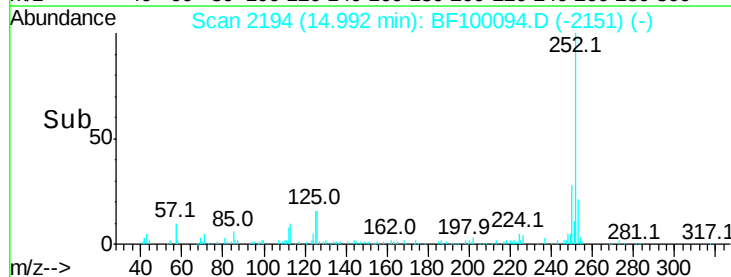
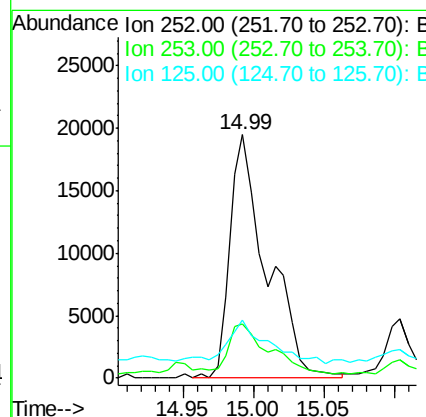
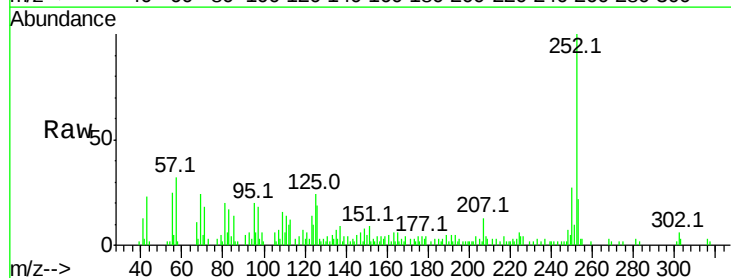
Instrument :
BNA_F
ClientSampleId :

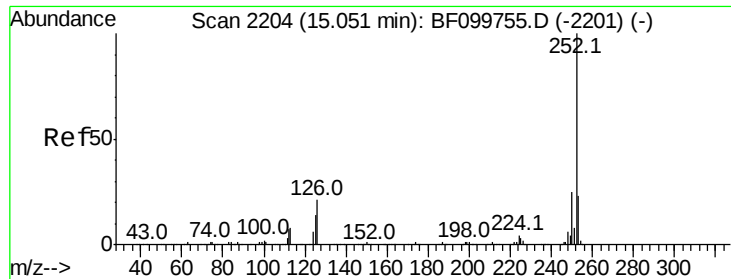
Tot Ion:264 Resp: 148981
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 20.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.795 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF100094.D
Acq: 2 Nov 2017 19:28

Tgt Ion:252 Resp: 35702
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 23.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 4.025 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.08 min

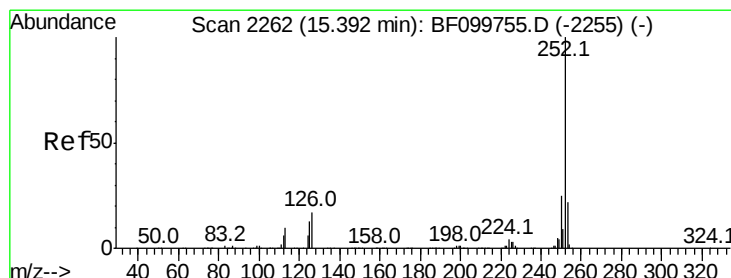
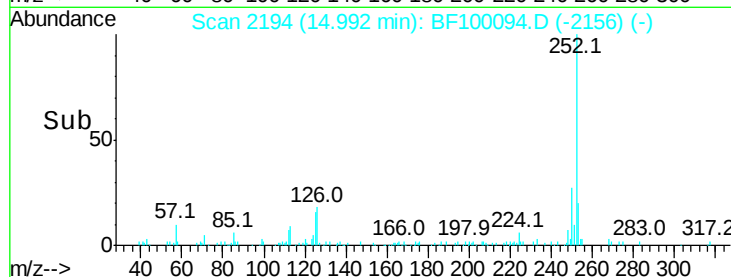
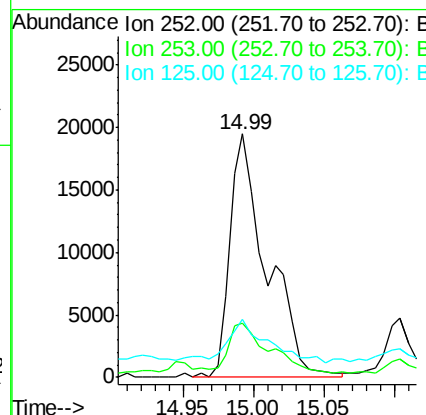
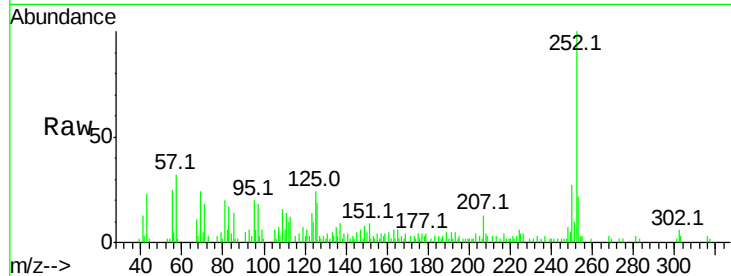
Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 35702

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	23.6	10.2	15.2#



#89

Benzo(a)pyrene

Concen: 2.400 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.05 min

Lab File: BF100094.D

Acq: 2 Nov 2017 19:28

Tgt Ion:252 Resp: 20285

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	20.5	9.8	14.6#

