

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100089.D
 Acq On : 2 Nov 2017 17:12
 Operator : SJ/JU
 Sample : I6233-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 18:56:54 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

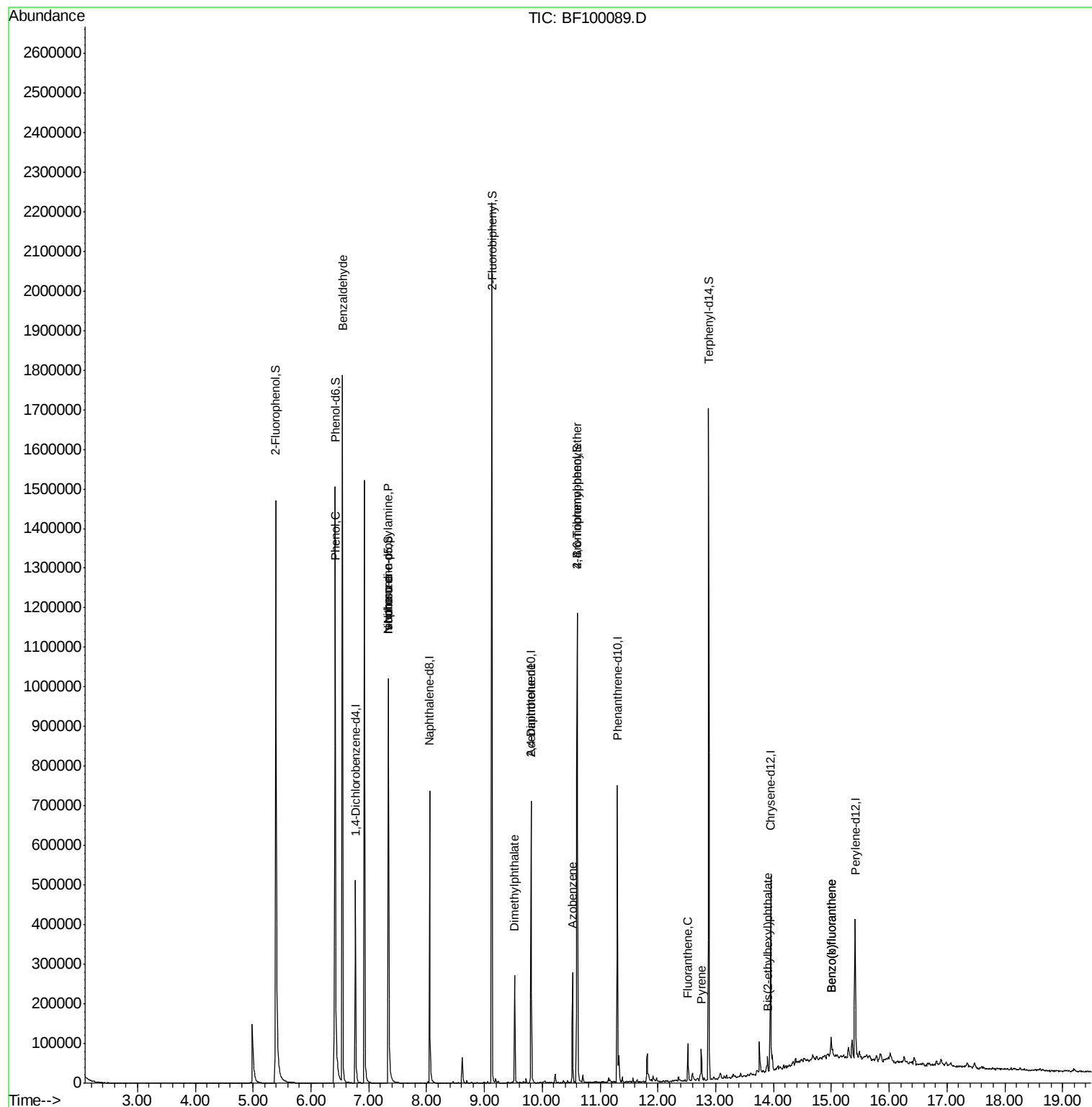
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	85720	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	347436	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	155050	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	257285	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	163177	20.00	ng	-0.02
86) Perylene-d12	15.41	264	155600	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	579473	106.13	ng	0.00
7) Phenol-d6	6.42	99	681632	105.29	ng	-0.01
23) Nitrobenzene-d5	7.34	82	381522	70.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	144903	102.55	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	708789	70.53	ng	0.00
78) Terphenyl-d14	12.88	244	513302	68.74	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.55	77	10036	2.594	ng	88
10) Phenol	6.43	94	15222	2.142	ng	# 63
19) n-Nitroso-di-n-propylamine	7.34	70	46994	12.387	ng	# 72
25) Isophorone	7.34	82	381522	38.960	ng	# 64
49) Dimethylphthalate	9.52	163	122416	9.970	ng	99
56) 2,4-Dinitrotoluene	9.80	165	19453	6.258	ng	# 21
62) Azobenzene	10.52	77	44357	4.413	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	9525	3.517	ng	# 1
74) Fluoranthene	12.52	202	40592	2.690	ng	95
77) Pyrene	12.75	202	33819	2.726	ng	97
83) Bis(2-ethylhexyl)phthalate	13.90	149	20659	2.408	ng	100
87) Benzo(b)fluoranthene	14.99	252	25228	2.568	ng	# 94
88) Benzo(k)fluoranthene	14.99	252	25228	2.723	ng	# 93

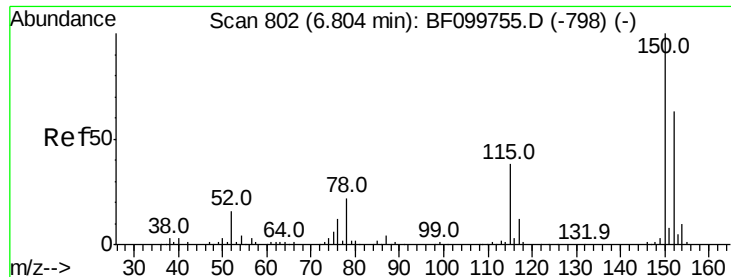
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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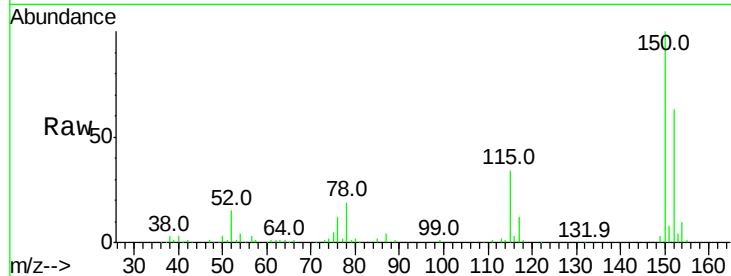


#1

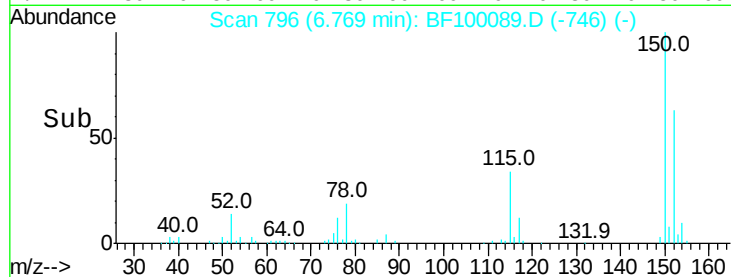
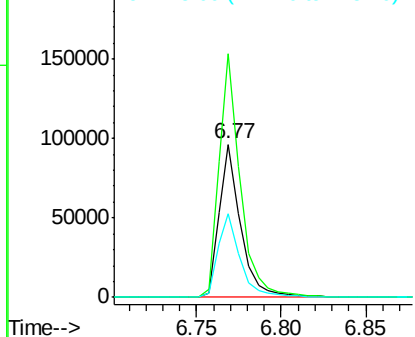
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100089.D
Acq: 2 Nov 2017 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85720
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 54.6 50.1 75.1



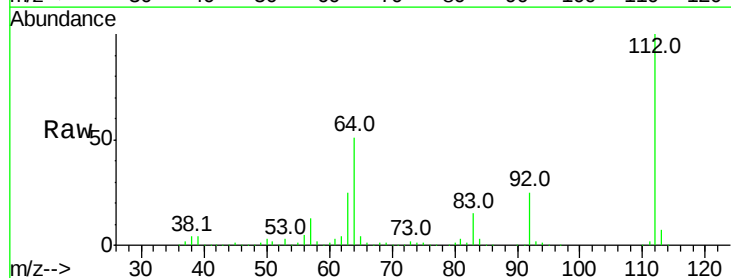
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



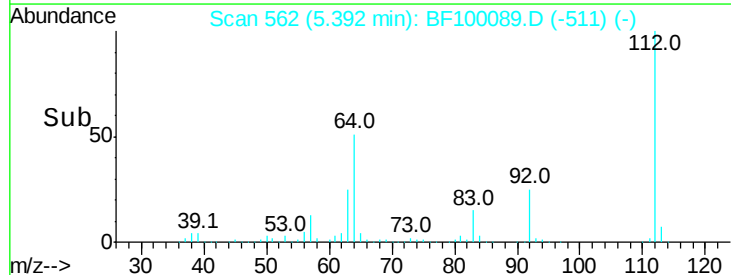
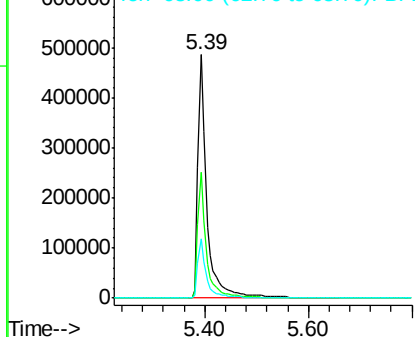
#5

2-Fluorophenol
Concen: 106.131 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100089.D
Acq: 2 Nov 2017 17:12

Tgt Ion:112 Resp: 579473
Ion Ratio Lower Upper
112 100
64 51.5 47.9 71.9
63 24.5 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: 105.287 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

Instrument :

BNA_F

ClientSampled :

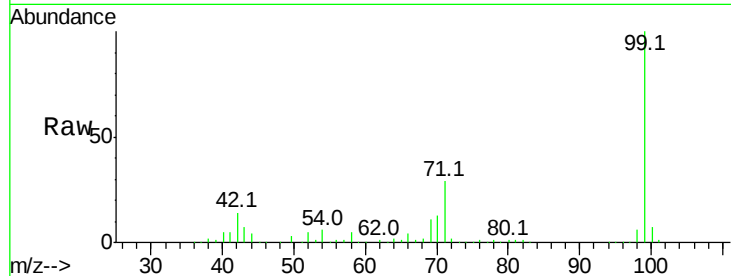
Tot Ion: 99 Resp: 681632

Ion Ratio Lower Upper

99 100

42 14.0 14.5 21.7#

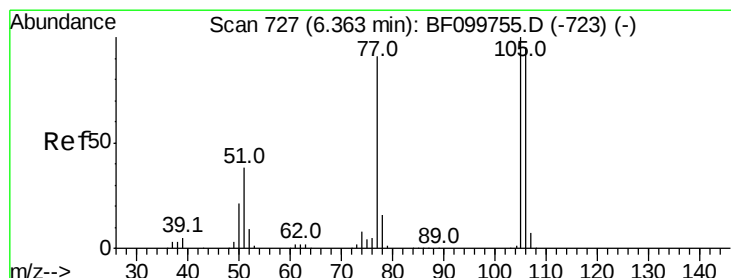
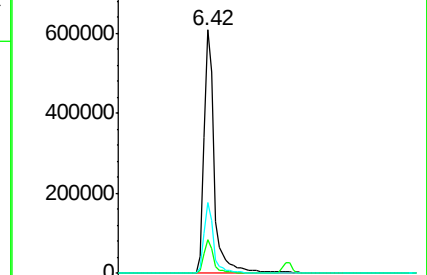
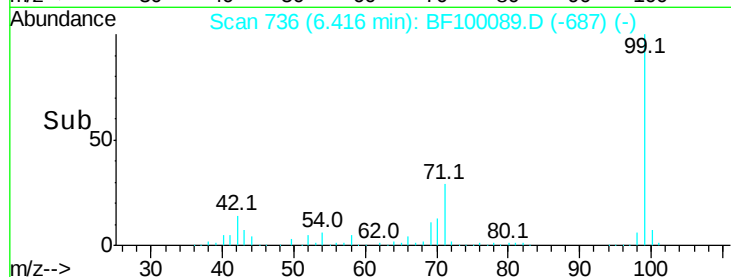
71 29.1 25.4 38.0



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: 2.594 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.21 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

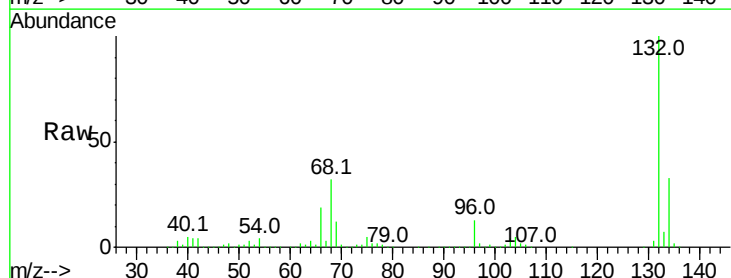
Tgt Ion: 77 Resp: 10036

Ion Ratio Lower Upper

77 100

105 89.9 81.1 121.1

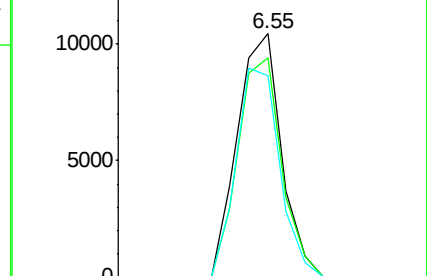
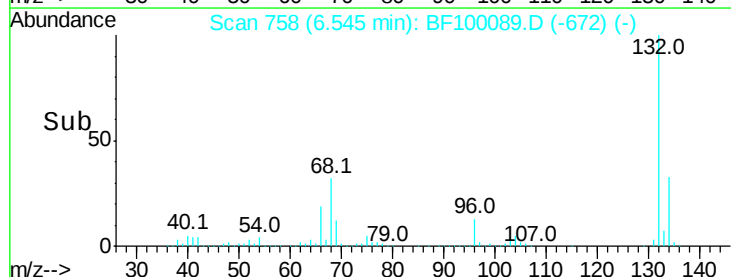
106 82.5 74.5 114.5

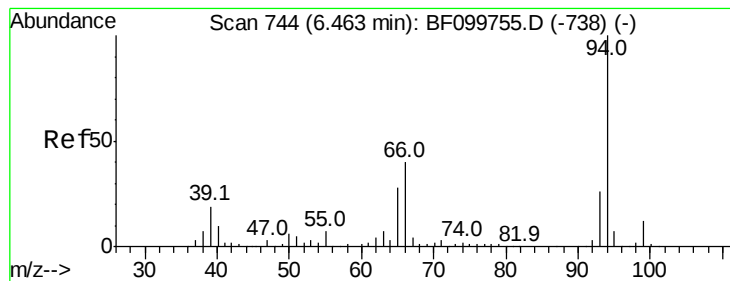


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.142 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

Instrument :

BNA_F

ClientSampleId :

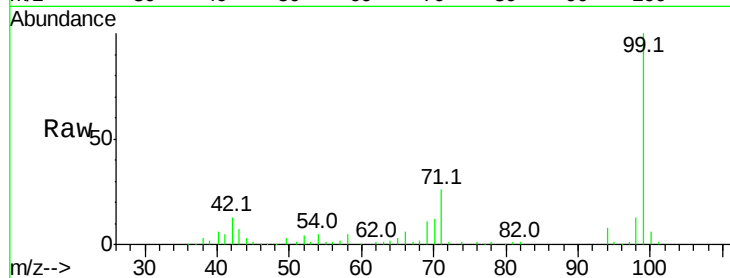
Tot Ion: 94 Resp: 15222

Ion Ratio Lower Upper

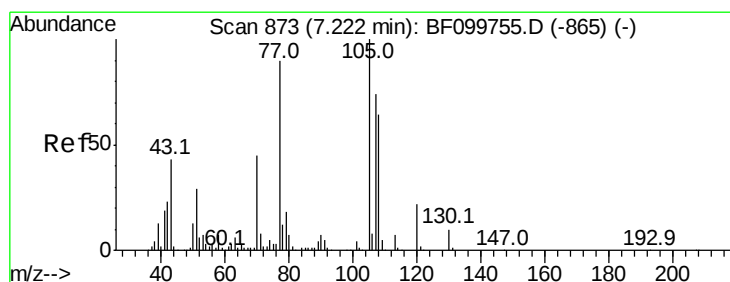
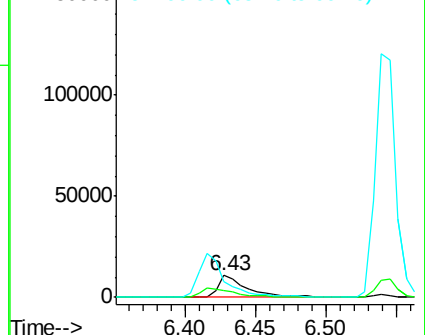
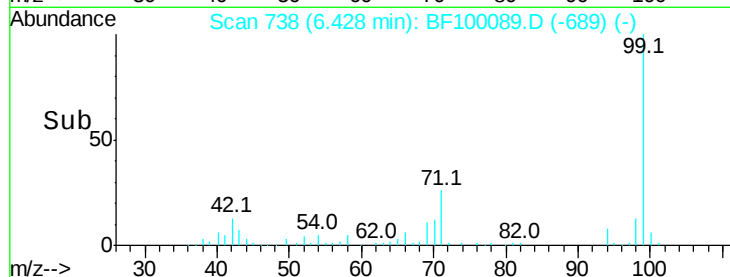
94 100

65 33.0 7.9 47.9

66 70.5 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: 12.387 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

Tgt Ion: 70 Resp: 46994

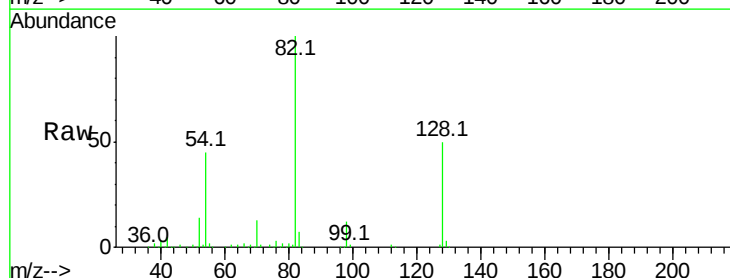
Ion Ratio Lower Upper

70 100

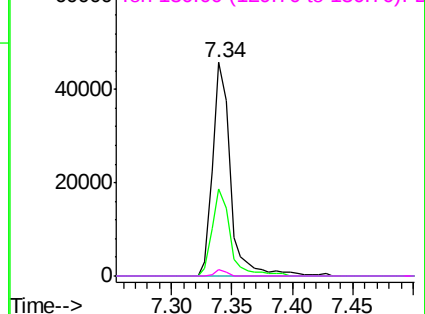
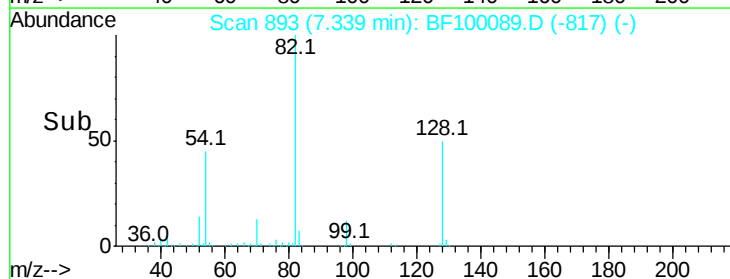
42 41.0 47.5 71.3#

101 0.0 7.4 11.2#

130 3.0 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

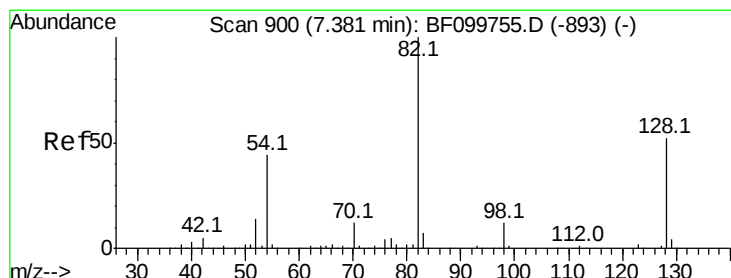
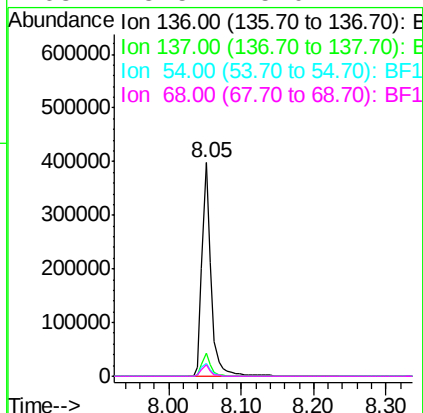
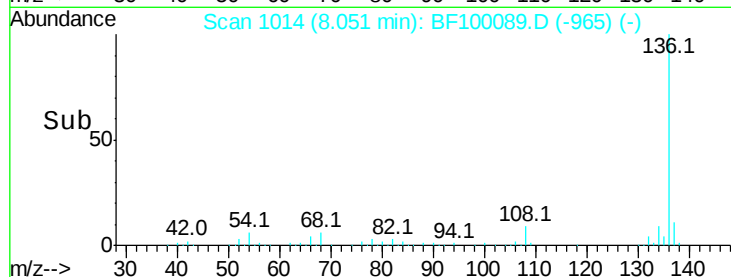
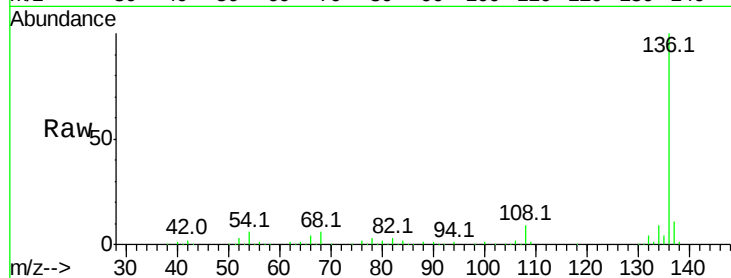




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF100089.D
Acq: 2 Nov 2017 17:12

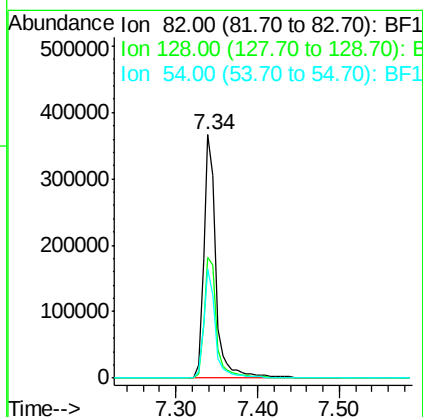
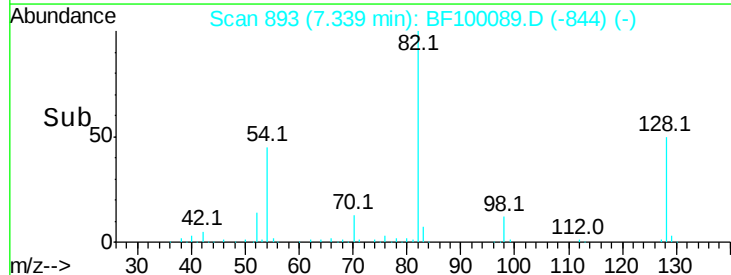
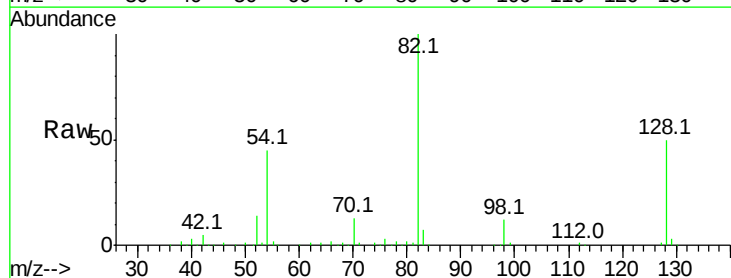
Instrument :
BNA_F
ClientSampleId :

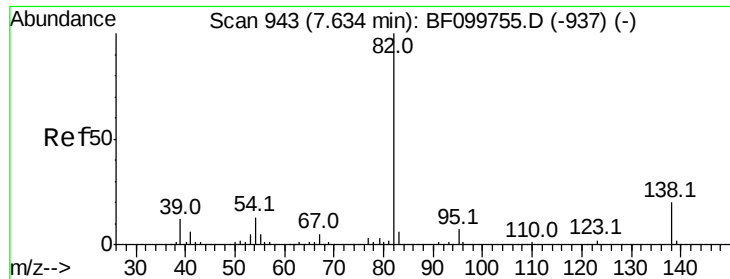
Tot Ion:	136	Resp:	347436
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.1	6.6	9.8#
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 70.697 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100089.D
Acq: 2 Nov 2017 17:12

Tgt Ion:	82	Resp:	381522
Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	44.9	41.4	62.2





#25

Isophorone

Concen: 38.960 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

Instrument :

BNA_F

ClientSampled :

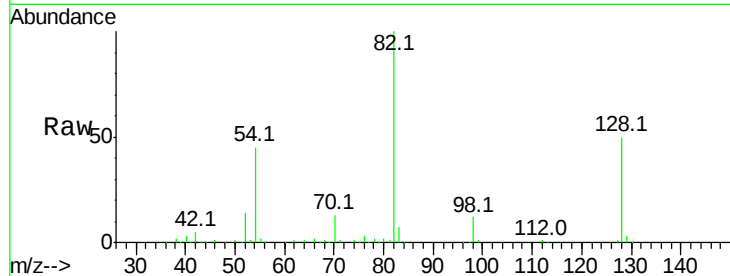
Tot Ion: 82 Resp: 381522

Ion Ratio Lower Upper

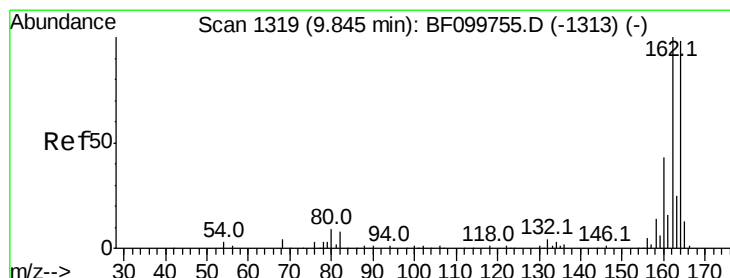
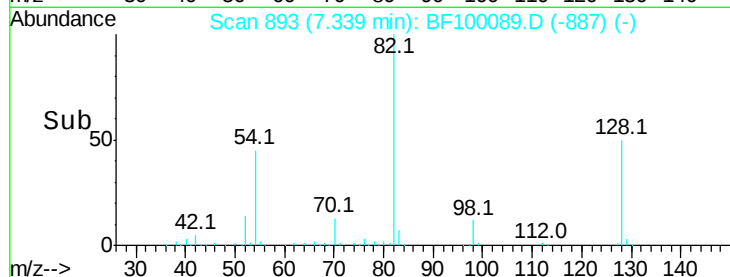
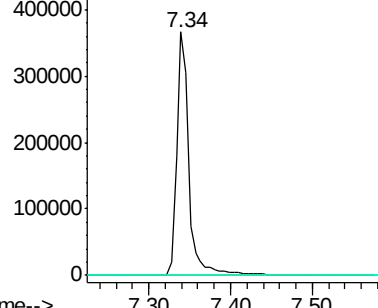
82 100

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: BF100089.D

Acq: 2 Nov 2017 17:12

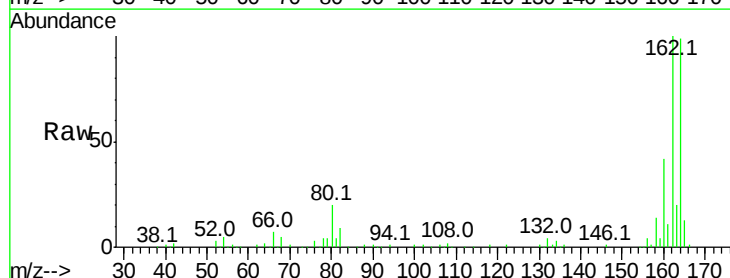
Tgt Ion:164 Resp: 155050

Ion Ratio Lower Upper

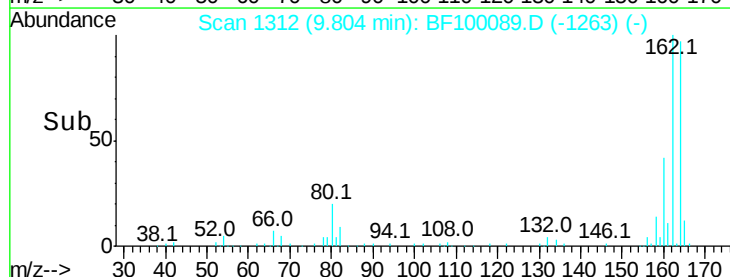
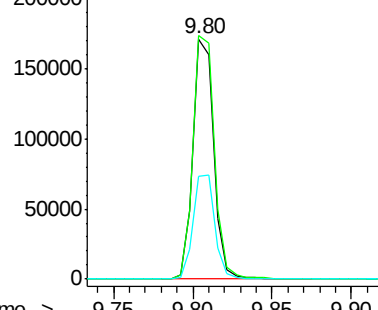
164 100

162 101.4 86.1 129.1

160 42.9 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: 102.550 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

Instrument :

BNA_F

ClientSampleId :

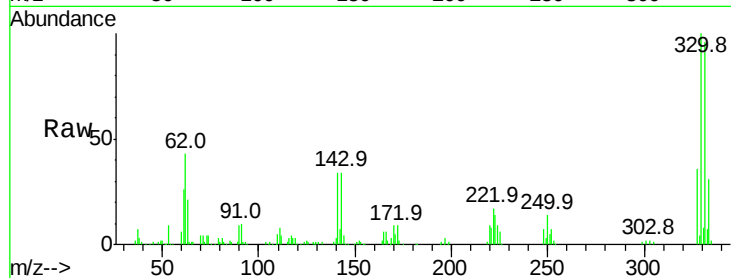
Tot Ion:330 Resp: 144903

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

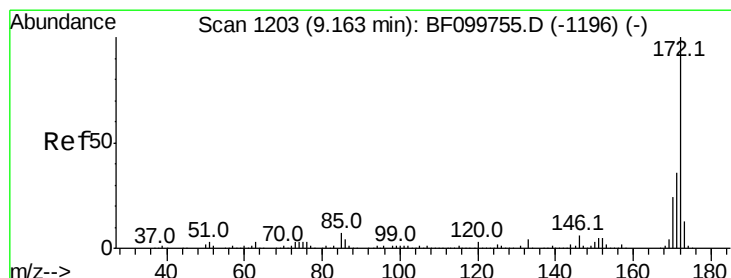
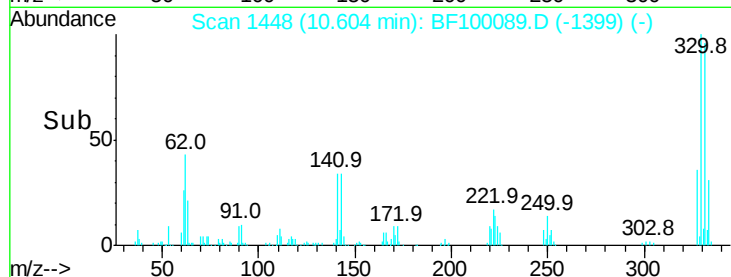
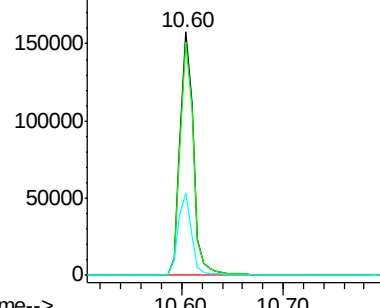
141 33.9 29.9 44.9



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: 70.529 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

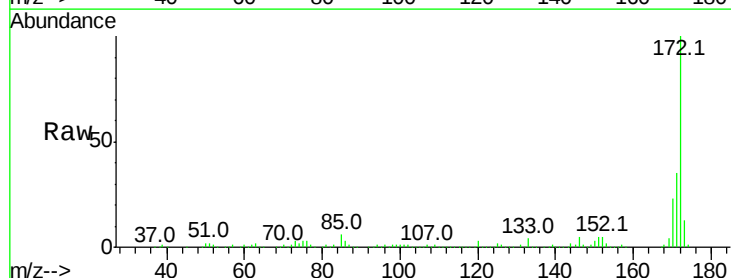
Tgt Ion:172 Resp: 708789

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

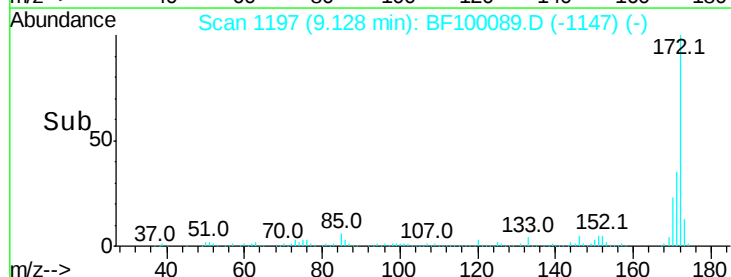
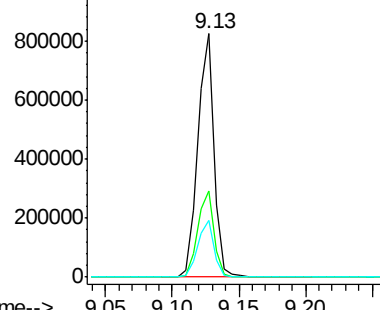
170 23.4 19.6 29.4



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

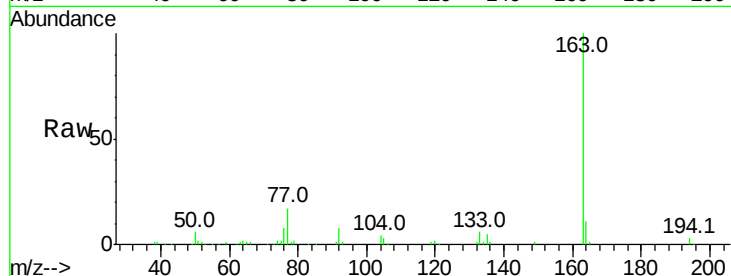




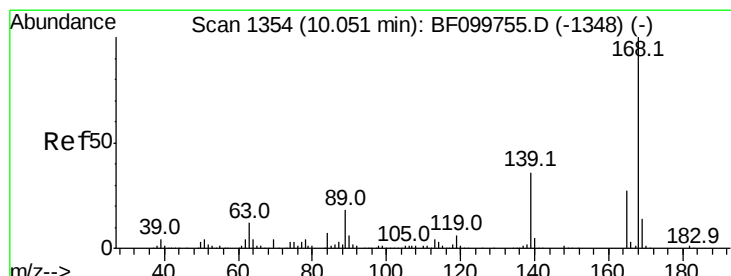
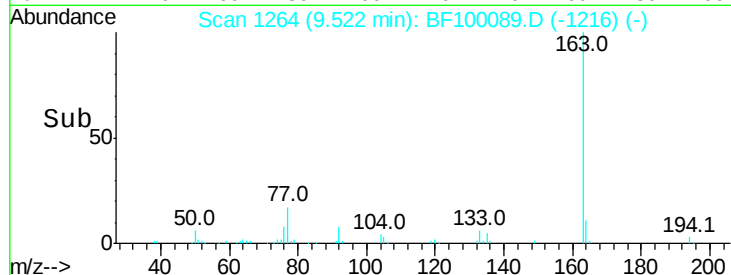
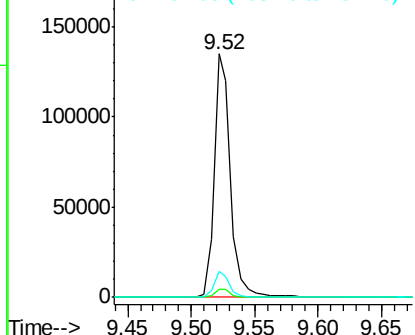
#49
Dimethylphthalate
Concen: 9.970 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF100089.D
Acq: 2 Nov 2017 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 122416
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.5 8.2 12.2

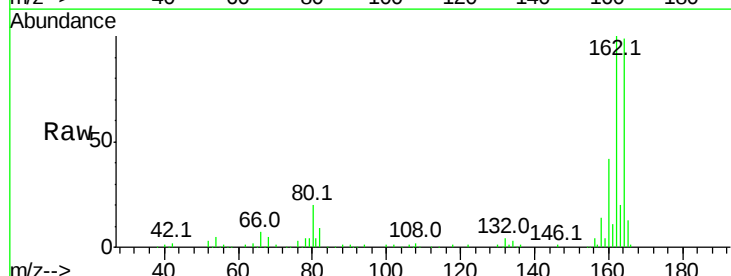


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

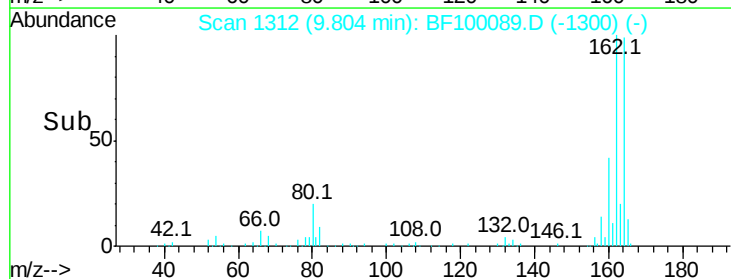
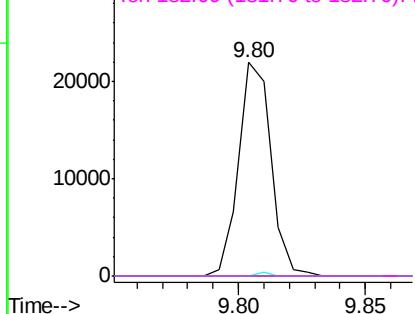


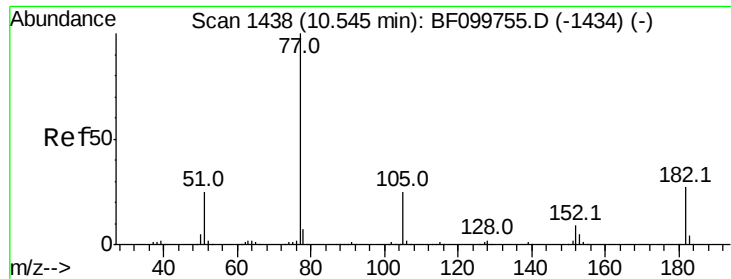
#56
2,4-Dinitrotoluene
Concen: 6.258 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.23 min
Lab File: BF100089.D
Acq: 2 Nov 2017 17:12

Tgt Ion:165 Resp: 19453
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





#62

Azobenzene

Concen: 4.413 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

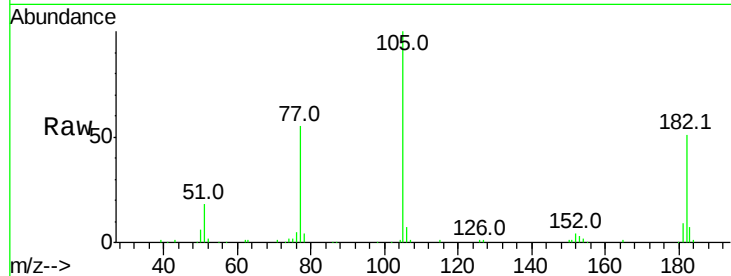
Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

Instrument :

BNA_F

ClientSampled :



Tot Ion: 77 Resp: 44357

Ion Ratio Lower Upper

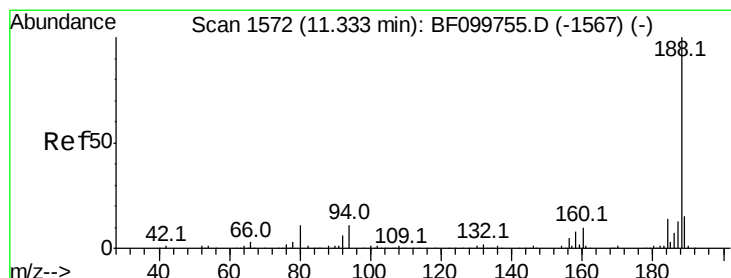
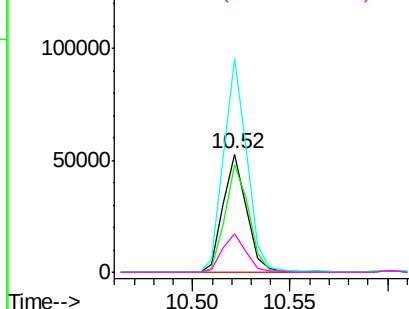
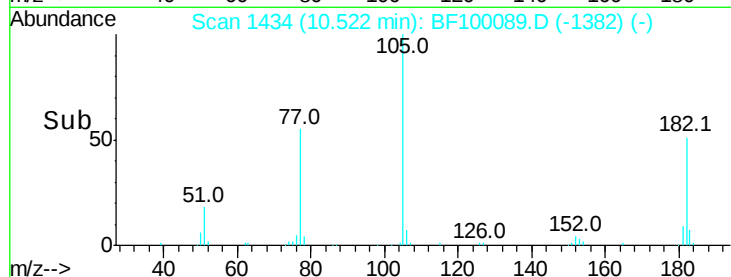
77 100

182 91.5 1.7 41.7#

105 180.7 3.0 43.0#

51 32.2 9.9 49.9

Abundance Ion 77.00 (76.70 to 77.70): BF1
 150000
 Ion 182.00 (181.70 to 182.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

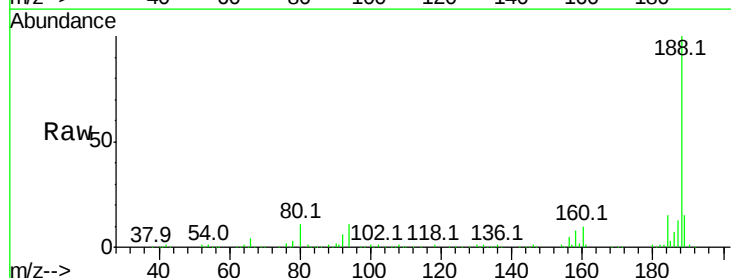
Tgt Ion: 188 Resp: 257285

Ion Ratio Lower Upper

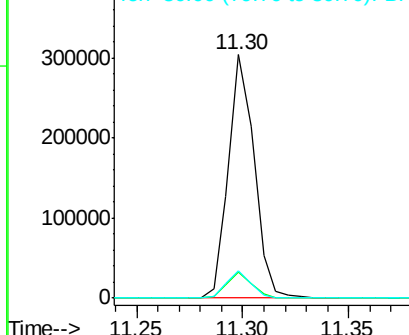
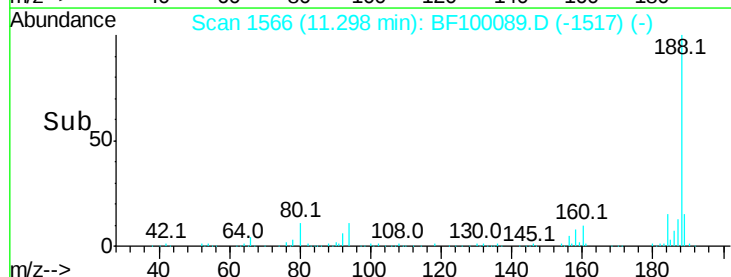
188 100

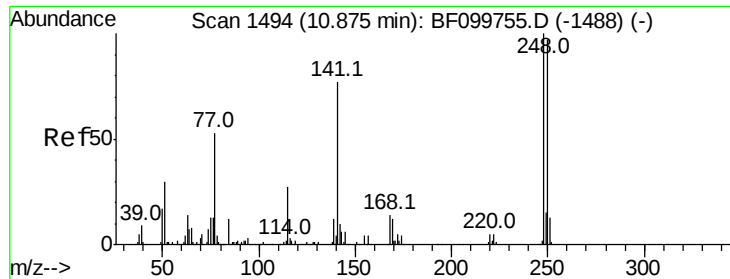
94 10.8 8.5 12.7

80 11.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 400000
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

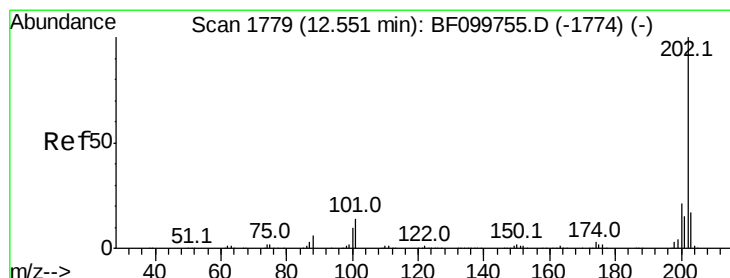
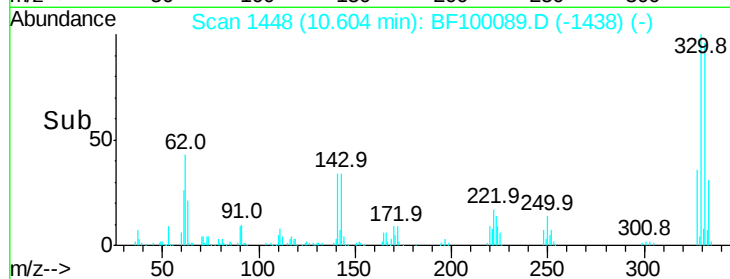
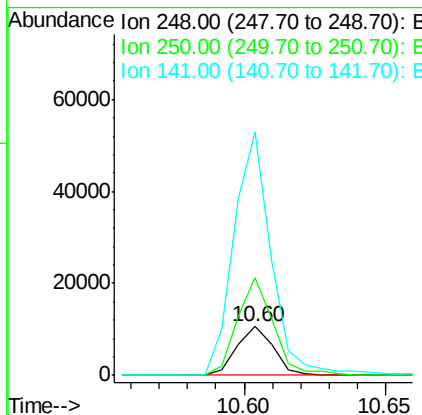
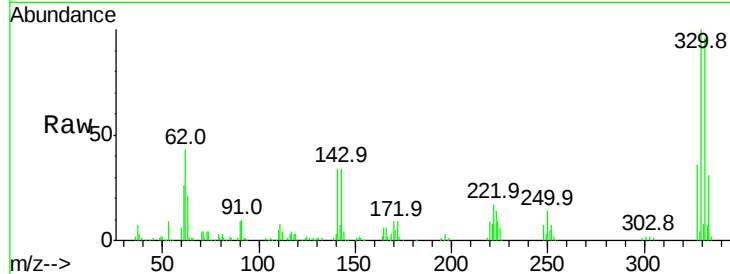




#66
 4-Bromophenyl-phenylether
 Concen: 3.517 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.24 min
 Lab File: BF100089.D
 Acq: 2 Nov 2017 17:12

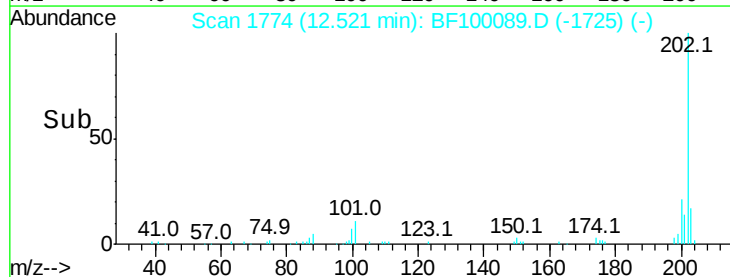
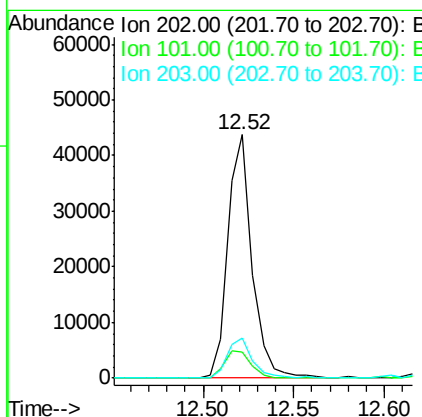
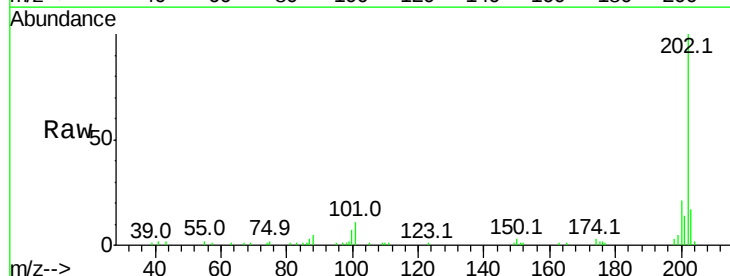
Instrument :
 BNA_F
 ClientSampleId :

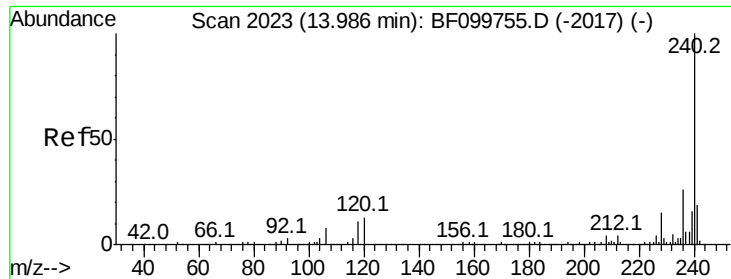
Tot Ion:248 Resp: 9525
 Ion Ratio Lower Upper
 248 100
 250 202.2 76.9 115.3#
 141 502.1 74.4 111.6#



#74
 Fluoranthene
 Concen: 2.690 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF100089.D
 Acq: 2 Nov 2017 17:12

Tgt Ion:202 Resp: 40592
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 34.1
 203 16.5 0.0 38.1

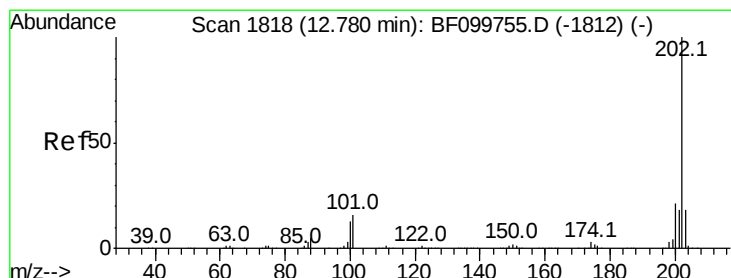
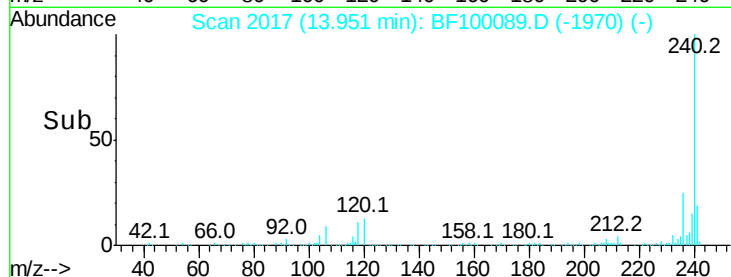
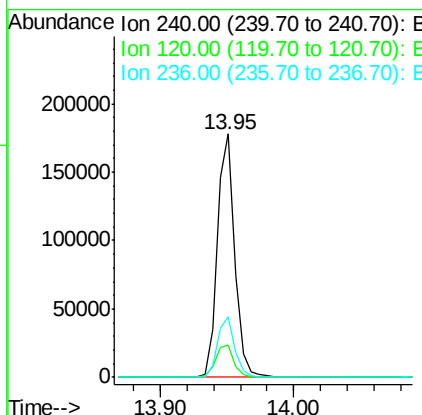
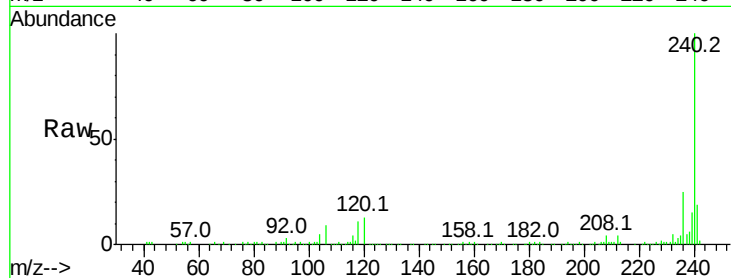




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.02 min
 Lab File: BF100089.D
 Acq: 2 Nov 2017 17:12

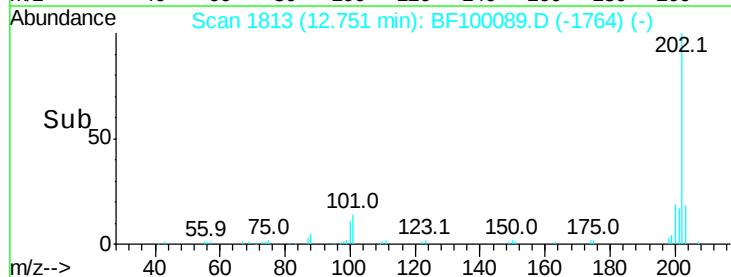
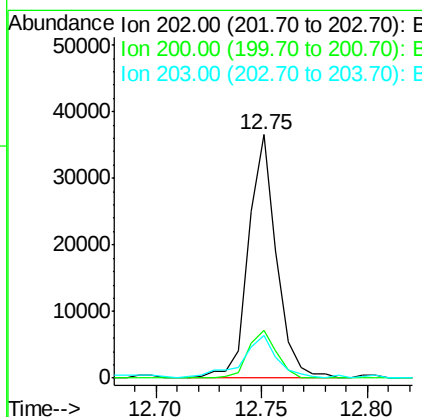
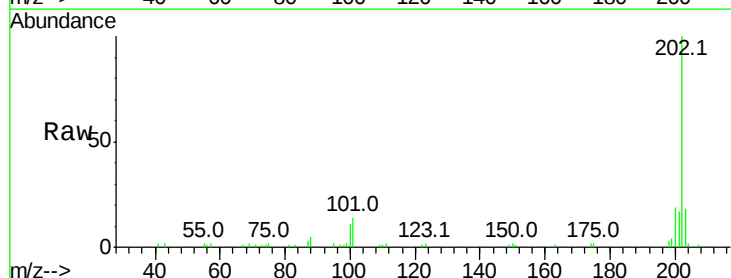
Instrument :
 BNA_F
 ClientSampleId :

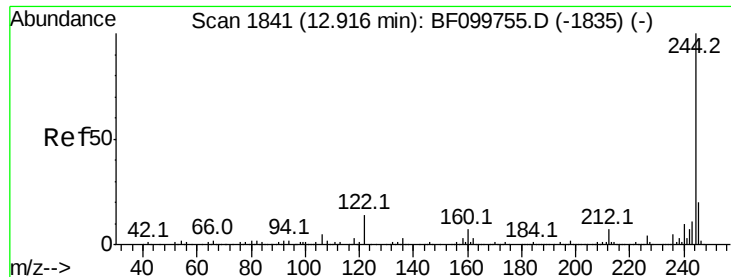
Tot Ion:240 Resp: 163177
 Ion Ratio Lower Upper
 240 100
 120 13.3 9.5 14.3
 236 25.1 20.7 31.1



#77
 Pyrene
 Concen: 2.726 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF100089.D
 Acq: 2 Nov 2017 17:12

Tgt Ion:202 Resp: 33819
 Ion Ratio Lower Upper
 202 100
 200 19.4 17.4 26.2
 203 17.7 14.3 21.5





#78

Terphenyl-d14

Concen: 68.745 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

Instrument :

BNA_F

ClientSampleId :

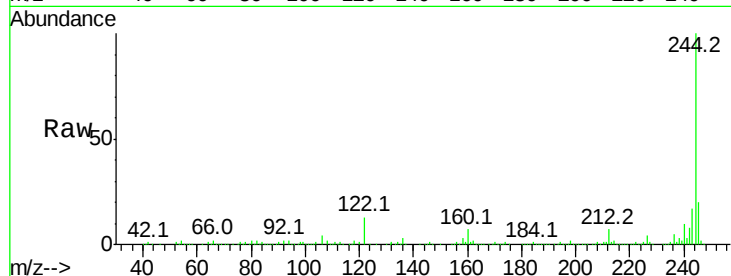
Tot Ion:244 Resp: 513302

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

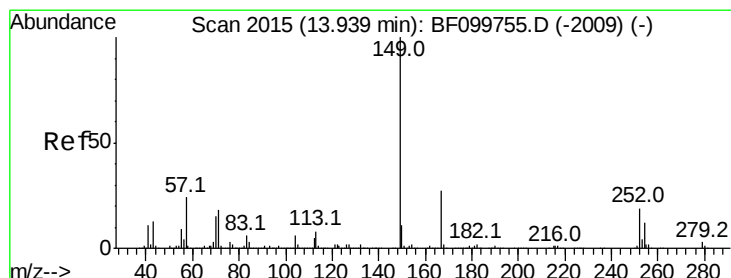
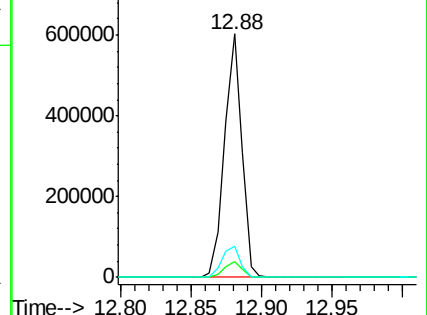
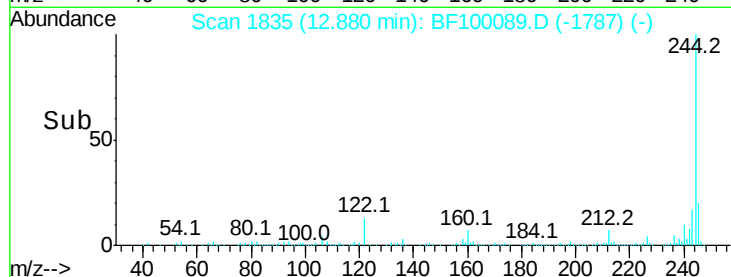
122 13.0 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.408 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF100089.D

Acq: 2 Nov 2017 17:12

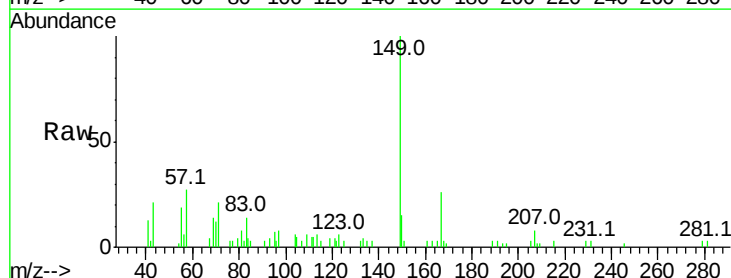
Tgt Ion:149 Resp: 20659

Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

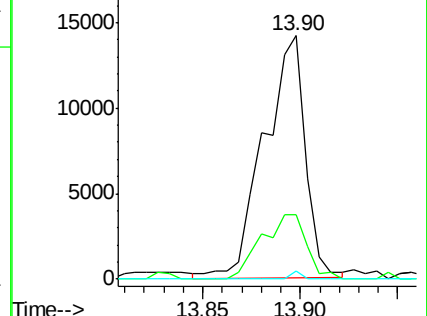
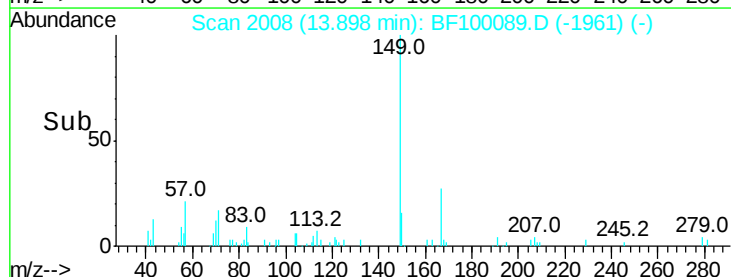
279 3.5 3.0 4.4

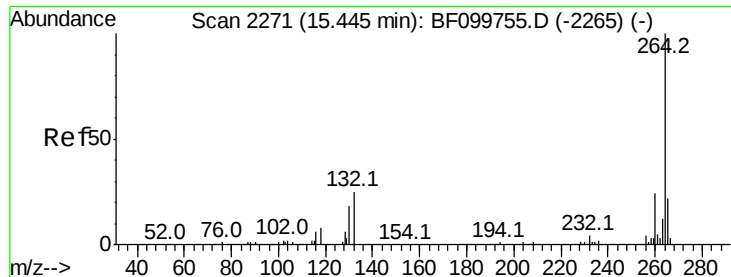


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

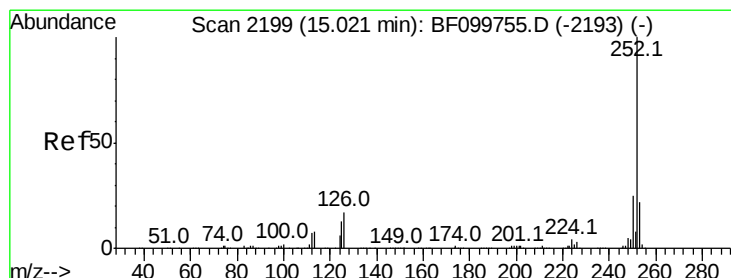
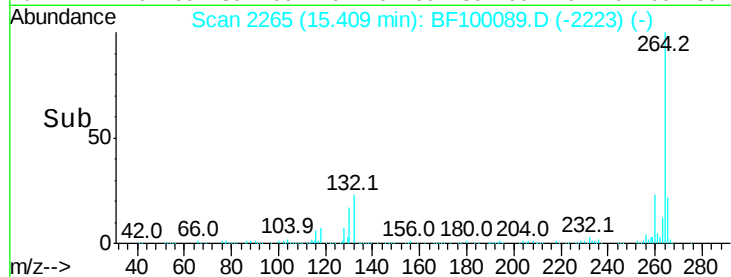
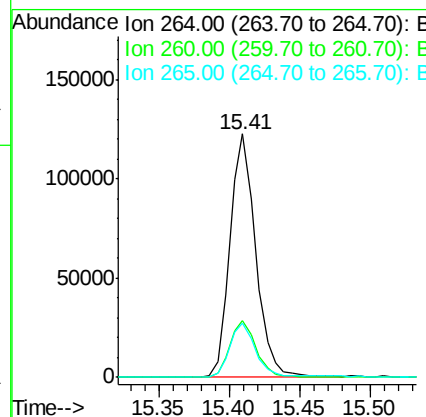
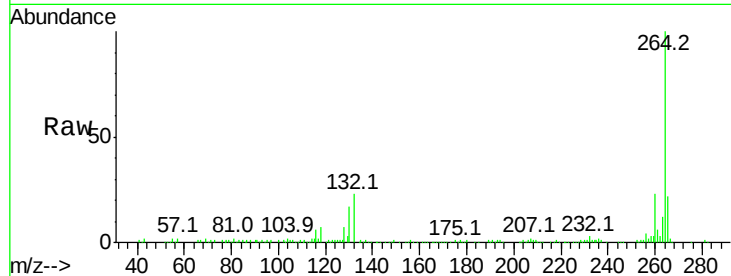




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.05 min
 Lab File: BF100089.D
 Acq: 2 Nov 2017 17:12

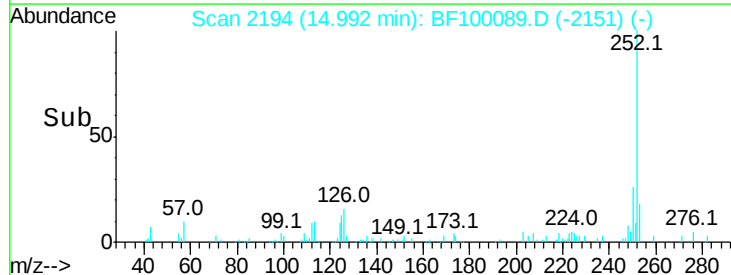
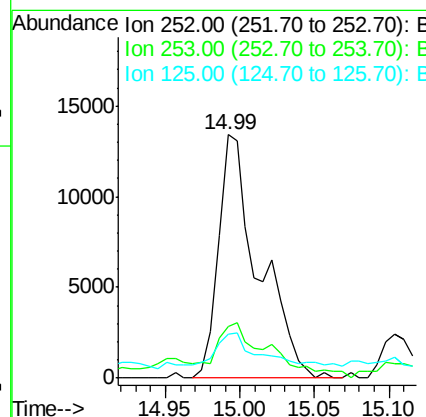
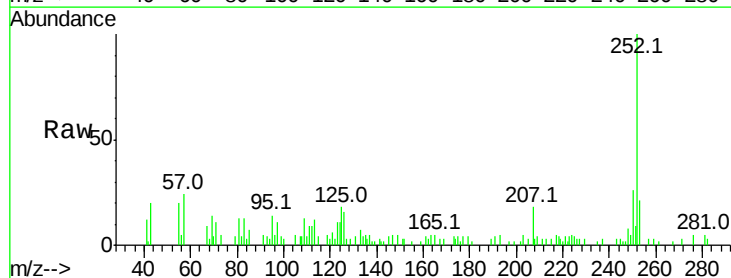
Instrument :
 BNA_F
 ClientSampleId :

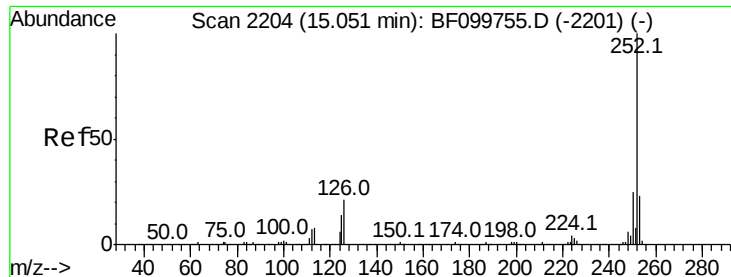
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.4	17.5	26.3



#87
 Benzo(b)fluoranthene
 Concen: 2.568 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. -0.05 min
 Lab File: BF100089.D
 Acq: 2 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.0	25.6
125	18.1	9.0	13.6#

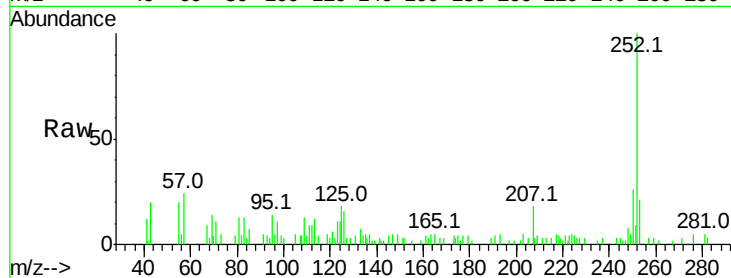




#88
 Benzo(k)fluoranthene
 Concen: 2.723 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. -0.08 min
 Lab File: BF100089.D
 Acq: 2 Nov 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	18.1	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

