

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100051.D
 Acq On : 1 Nov 2017 18:39
 Operator : SJ/JU
 Sample : I6231-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 01:38:06 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

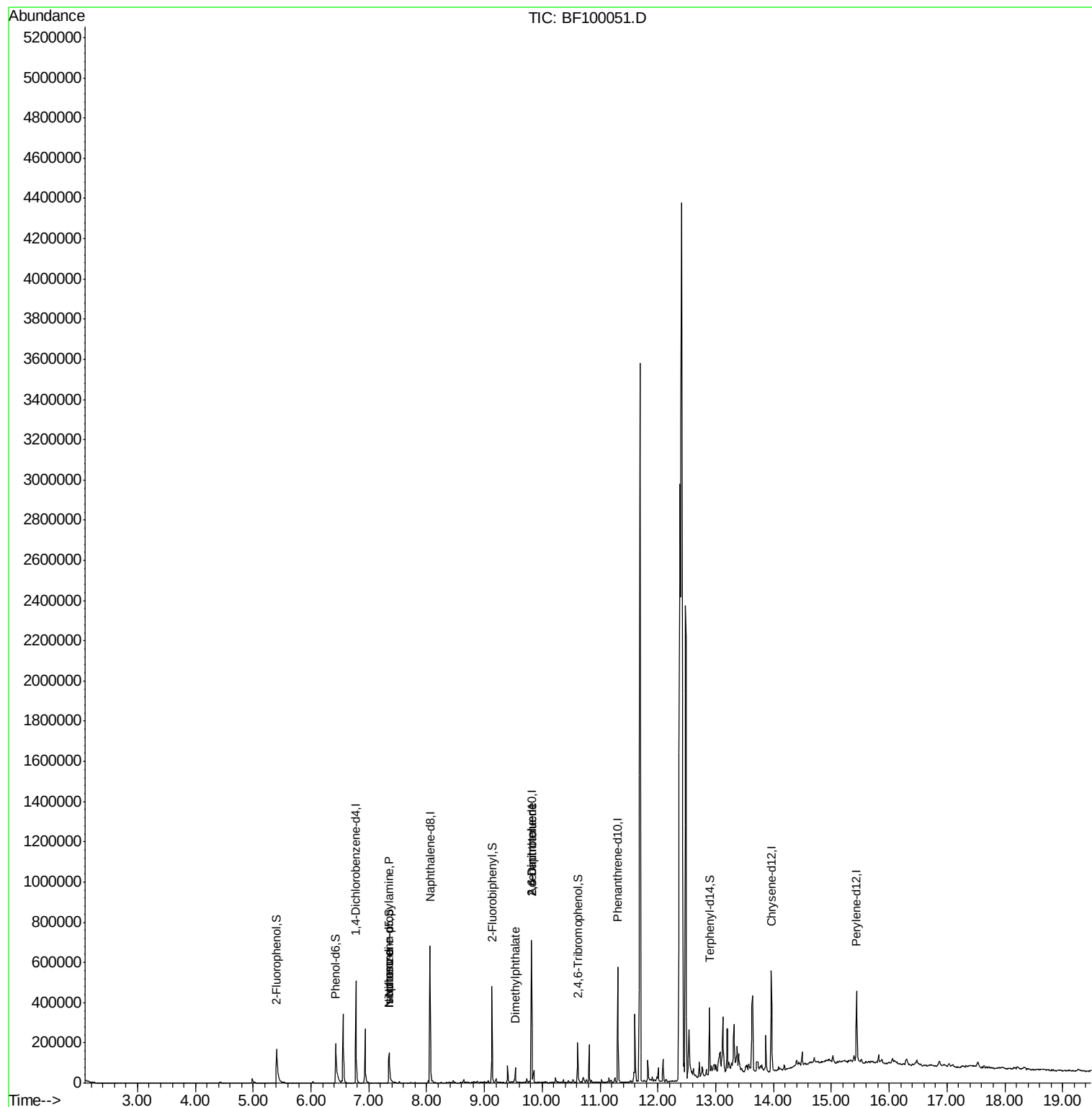
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	83613	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	335586	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	143714	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	220553	20.00	ng	0.00
75) Chrysene-d12	13.96	240	156066	20.00	ng	-0.01
86) Perylene-d12	15.44	264	161138	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	107390	20.16	ng	0.01
7) Phenol-d6	6.43	99	136839	21.67	ng	0.00
23) Nitrobenzene-d5	7.35	82	74105	14.22	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	25321	19.33	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	158262	16.99	ng	0.00
78) Terphenyl-d14	12.89	244	94699	13.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	9233	2.495	ng	# 77
25) Isophorone	7.35	82	74105	7.835	ng	# 64
49) Dimethylphthalate	9.53	163	34718	3.051	ng	# 99
50) 2,6-Dinitrotoluene	9.82	165	18016	7.530	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	18016	6.253	ng	# 21

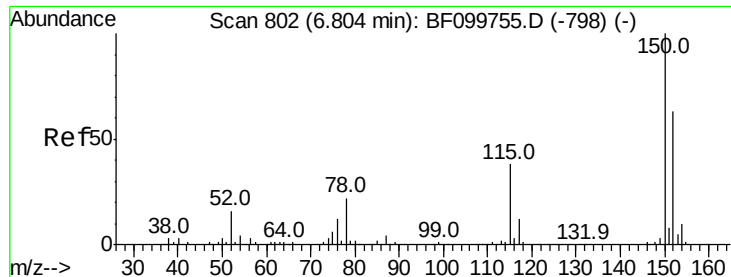
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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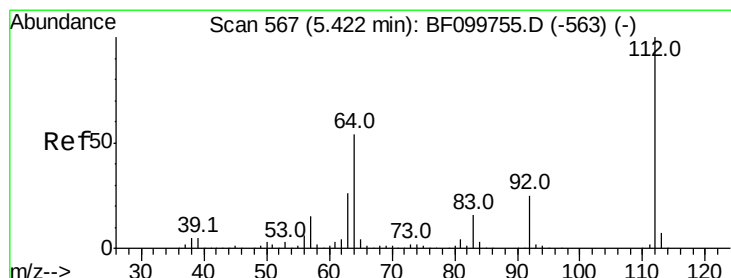
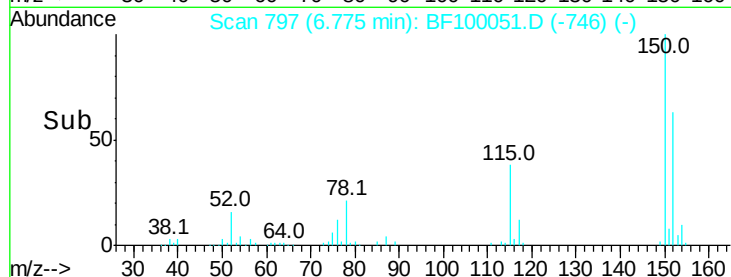
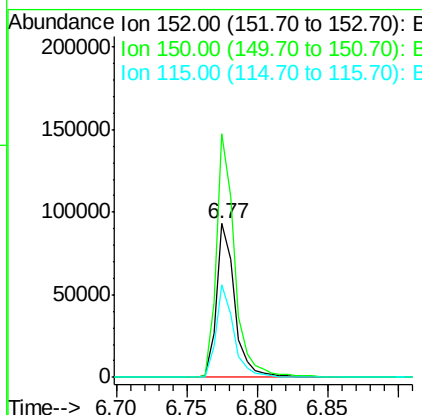
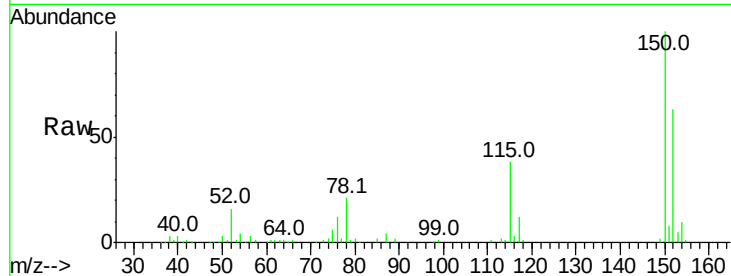


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.00 min
Lab File: BF100051.D
Acq: 1 Nov 2017 18:39

Instrument :
BNA_F
ClientSampleId :

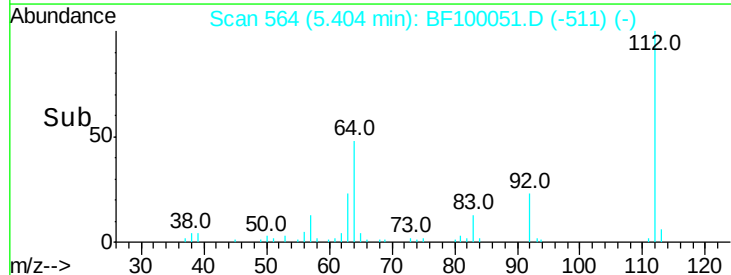
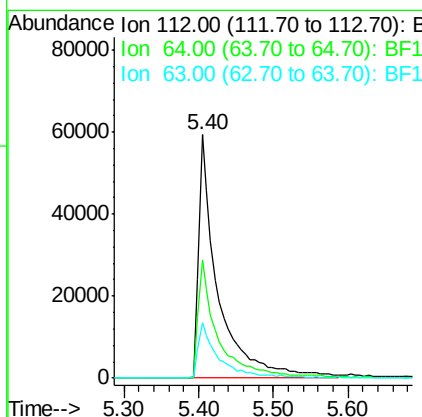
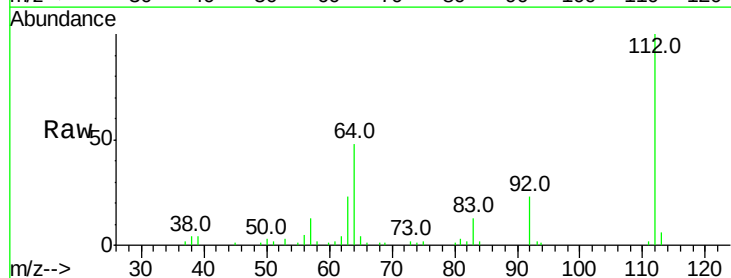
Tot Ion:152 Resp: 83613
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 60.3 50.1 75.1

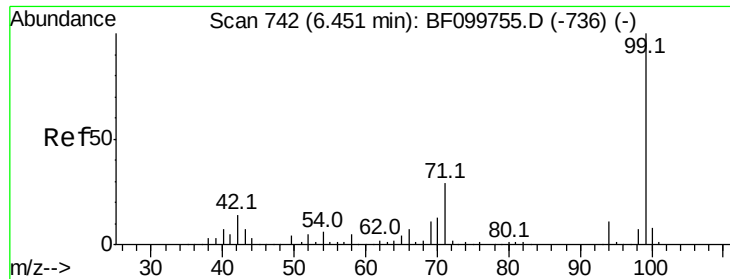


#5

2-Fluorophenol
Concen: 20.164 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: BF100051.D
Acq: 1 Nov 2017 18:39

Tgt Ion:112 Resp: 107390
Ion Ratio Lower Upper
112 100
64 48.5 47.9 71.9
63 23.0 23.7 35.5#





#7

Phenol-d6

Concen: 21.669 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

Instrument :

BNA_F

ClientSampled :

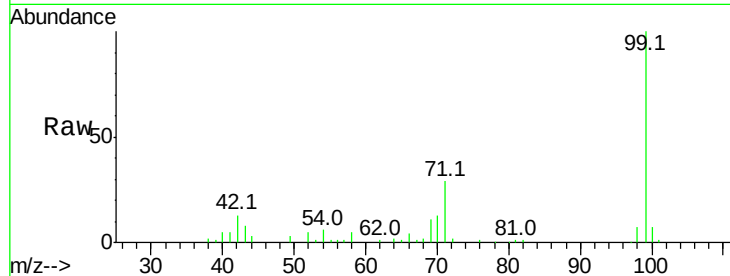
Tot Ion: 99 Resp: 136839

Ion Ratio Lower Upper

99 100

42 13.4 14.5 21.7#

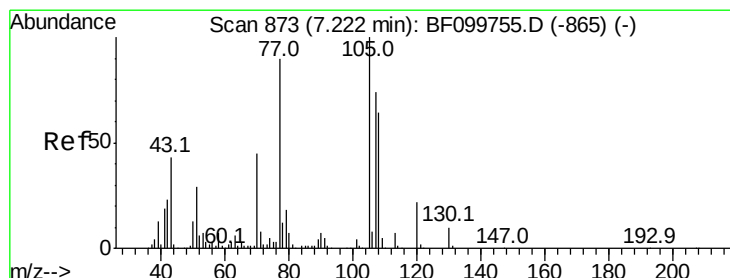
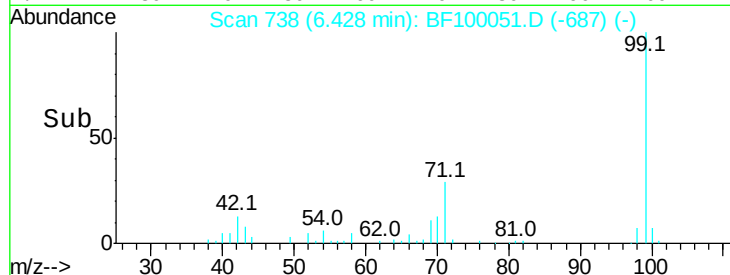
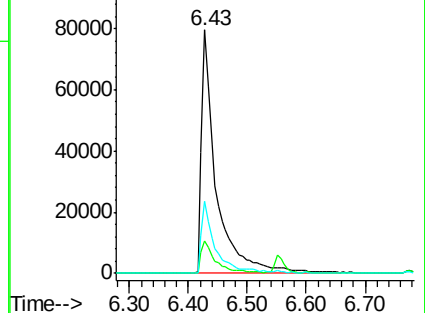
71 29.4 25.4 38.0



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: 2.495 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.16 min

Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

Tgt Ion: 70 Resp: 9233

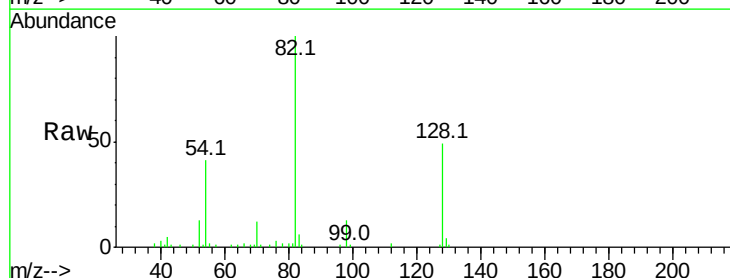
Ion Ratio Lower Upper

70 100

42 45.1 47.5 71.3#

101 0.0 7.4 11.2#

130 5.1 16.6 25.0#

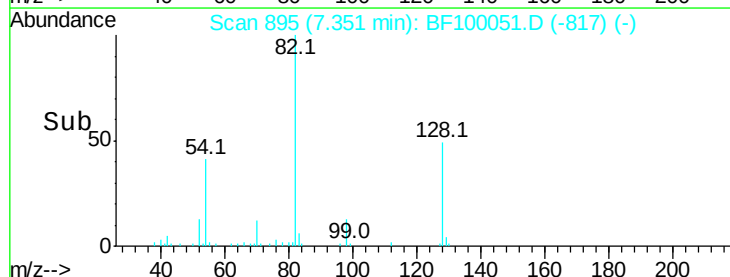
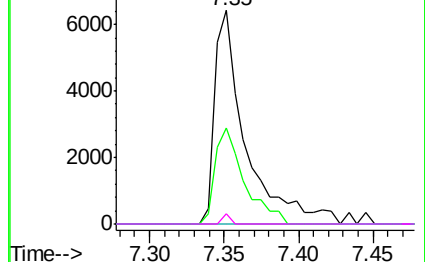


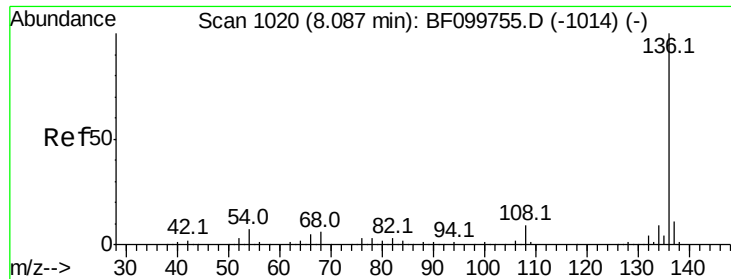
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

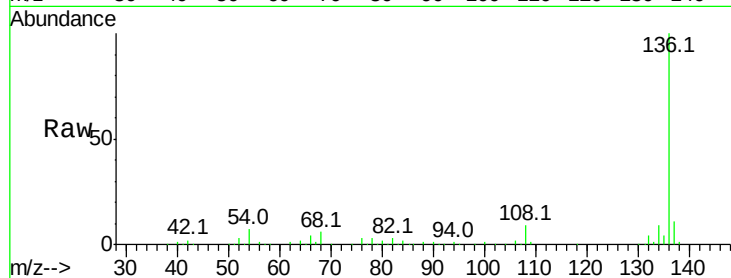




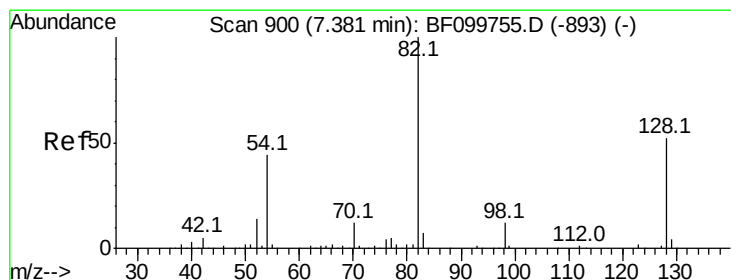
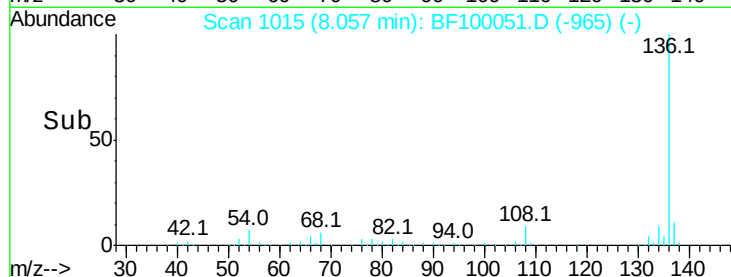
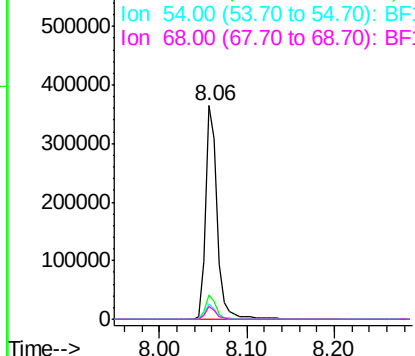
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF100051.D
Acq: 1 Nov 2017 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	335586
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.9	6.6	9.8
68	6.0	5.0	7.4

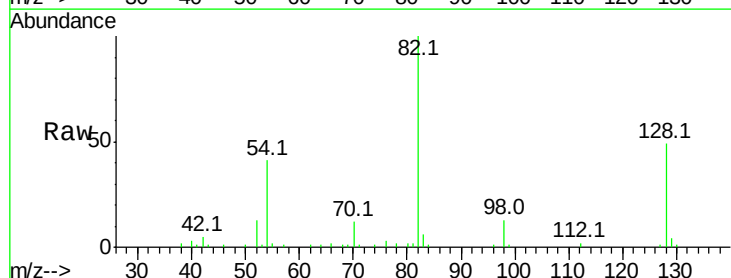


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

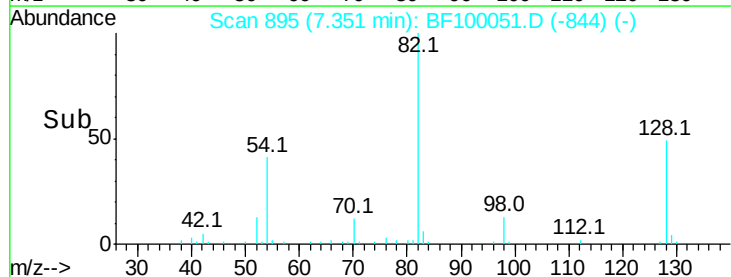
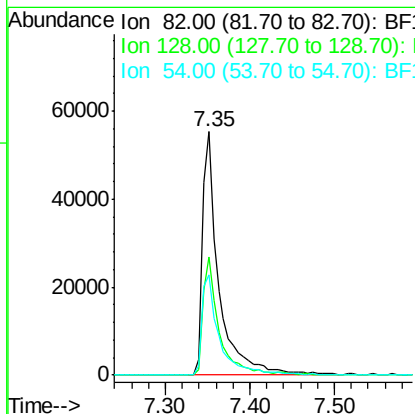


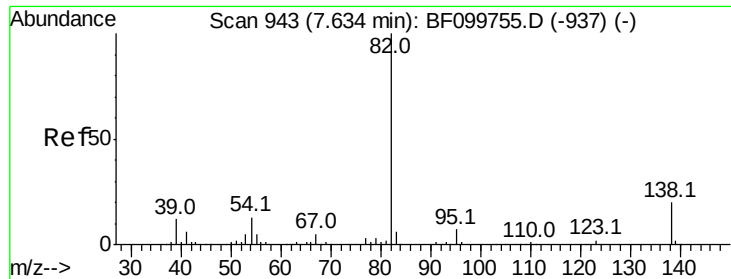
#23
Nitrobenzene-d5
Concen: 14.217 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF100051.D
Acq: 1 Nov 2017 18:39

Tgt Ion:	82	Resp:	74105
Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.1	54.1
54	41.0	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: 7.835 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.25 min

Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

Instrument :

BNA_F

ClientSampleId :

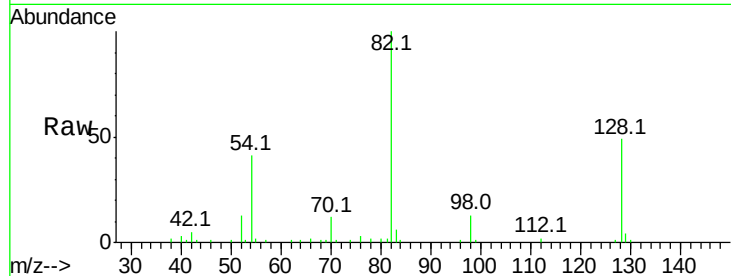
Tot Ion: 82 Resp: 74105

Ion Ratio Lower Upper

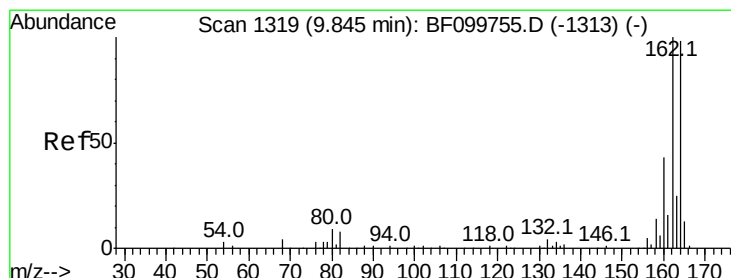
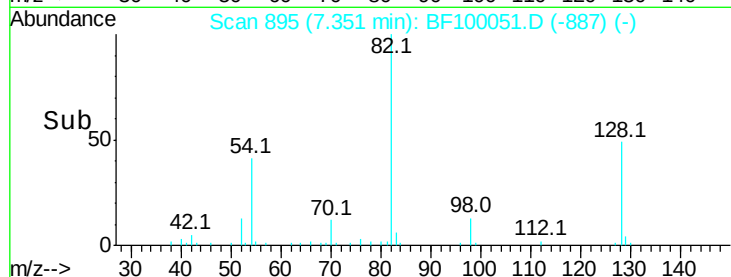
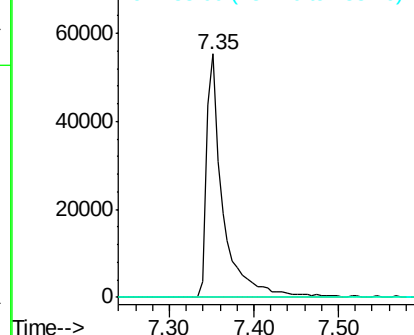
82 100

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: 9.82 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

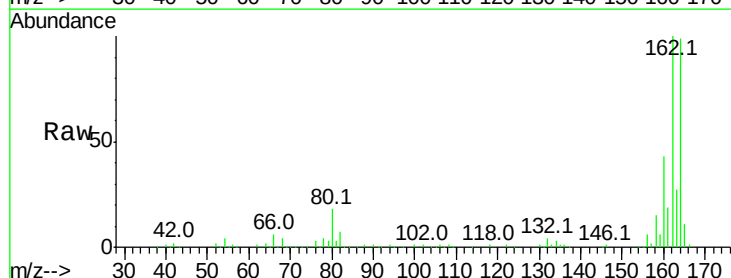
Tgt Ion:164 Resp: 143714

Ion Ratio Lower Upper

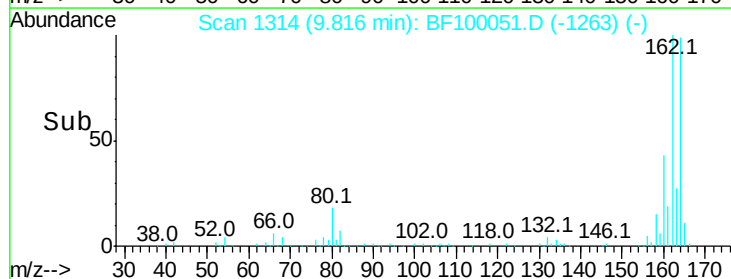
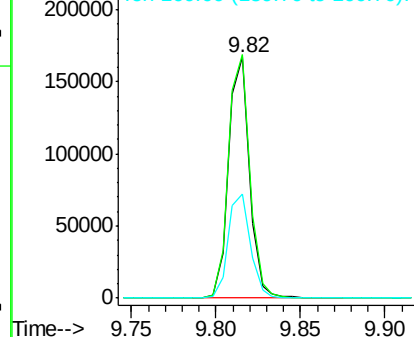
164 100

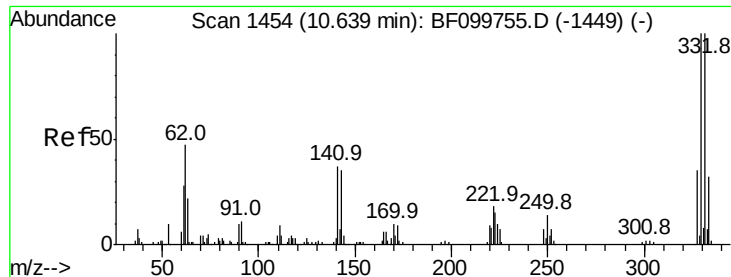
162 101.3 86.1 129.1

160 43.3 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

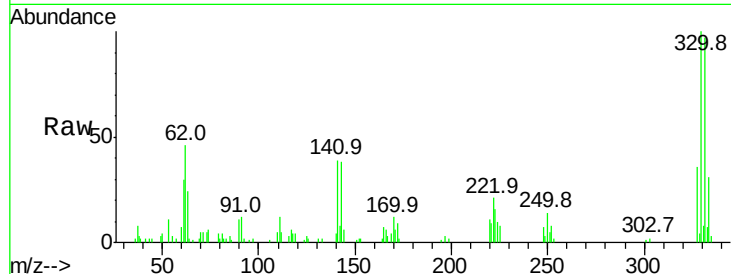




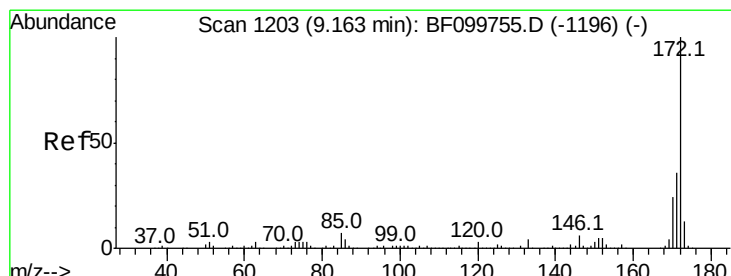
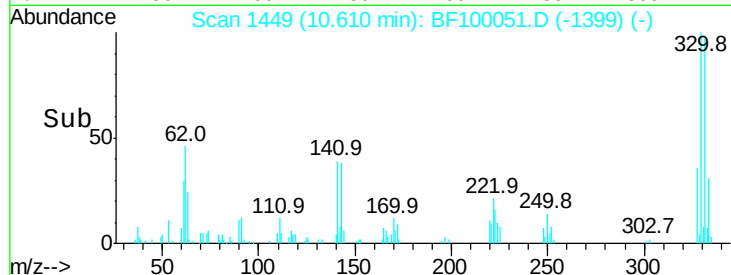
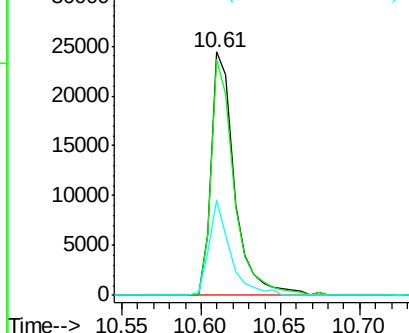
#41
 2,4,6-Tribromophenol
 Concen: 19.334 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF100051.D
 Acq: 1 Nov 2017 18:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 25321
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 35.7 29.9 44.9

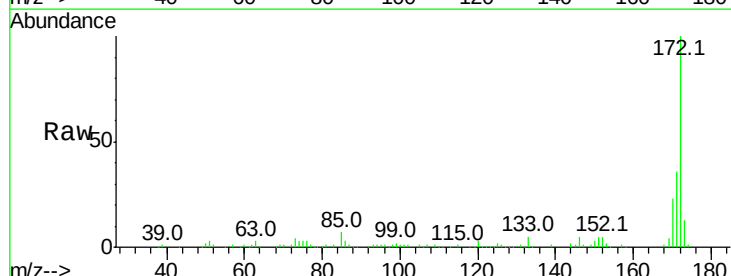


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

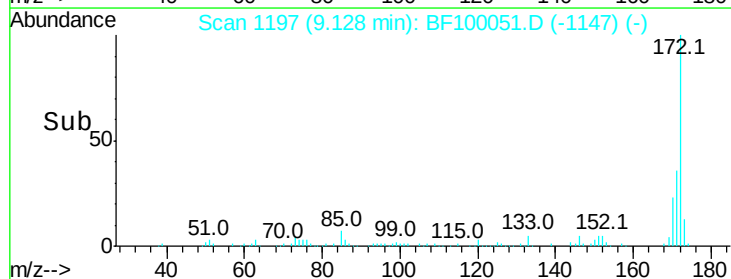
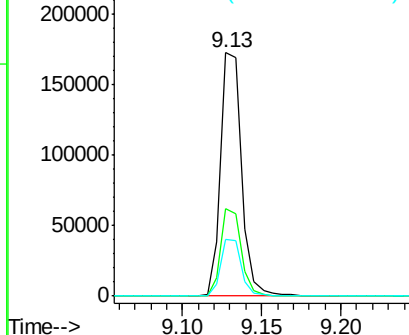


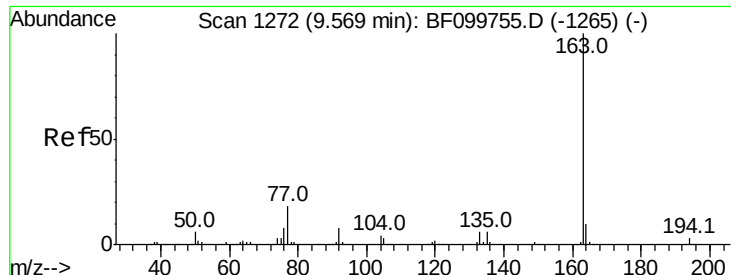
#44
 2-Fluorobiphenyl
 Concen: 16.990 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF100051.D
 Acq: 1 Nov 2017 18:39

Tgt Ion:172 Resp: 158262
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

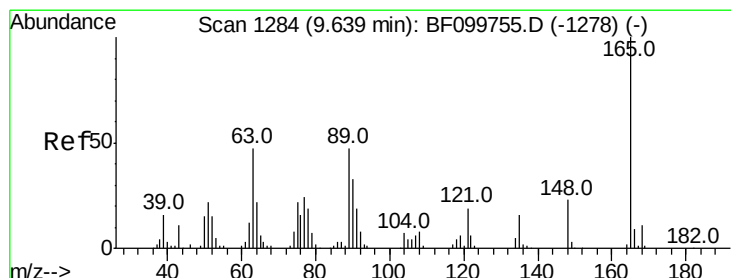
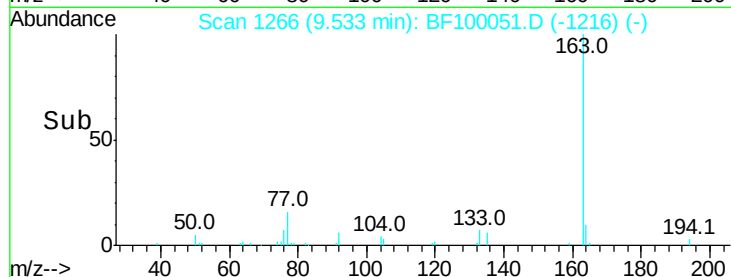
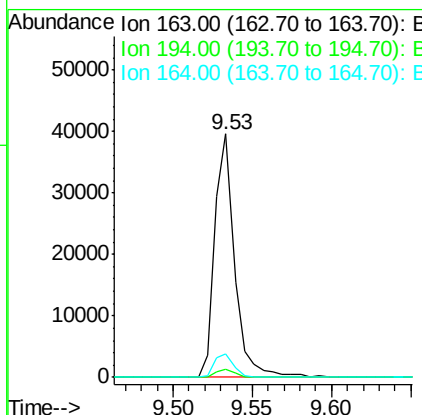
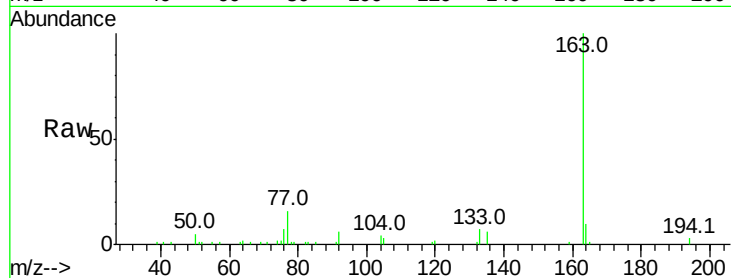




#49
 Dimethylphthalate
 Concen: 3.051 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BF100051.D
 Acq: 1 Nov 2017 18:39

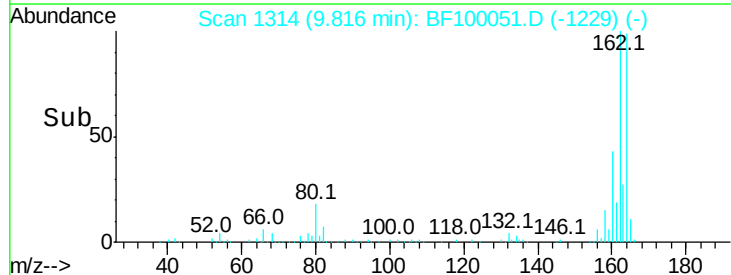
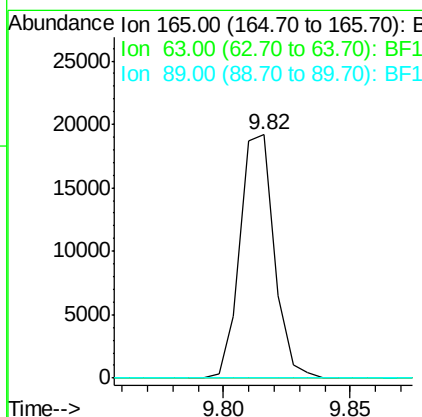
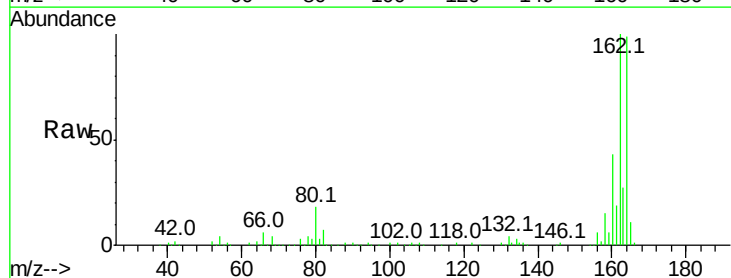
Instrument :
 BNA_F
 ClientSampleId :

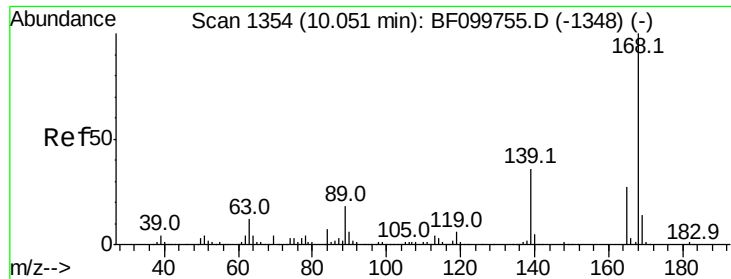
Tot Ion:163 Resp: 34718
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.7 4.1
 164 9.8 8.2 12.2



#50
 2,6-Dinitrotoluene
 Concen: 7.530 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.20 min
 Lab File: BF100051.D
 Acq: 1 Nov 2017 18:39

Tgt Ion:165 Resp: 18016
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#





#56

2,4-Dinitrotoluene

Concen: 6.253 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.22 min

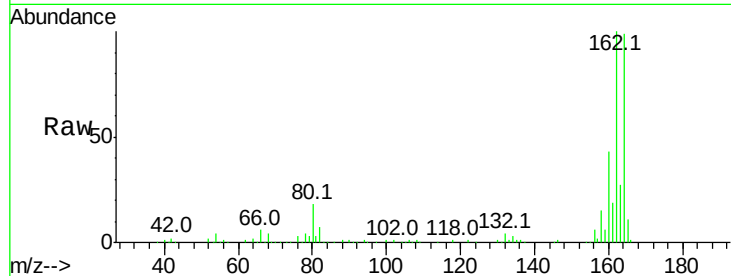
Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

Instrument :

BNA_F

ClientSampleId :



Tot Ion:165 Resp: 18016

Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

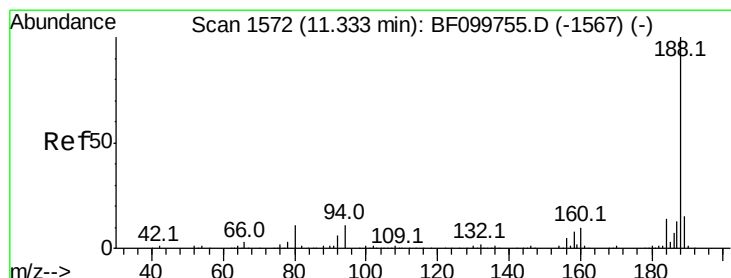
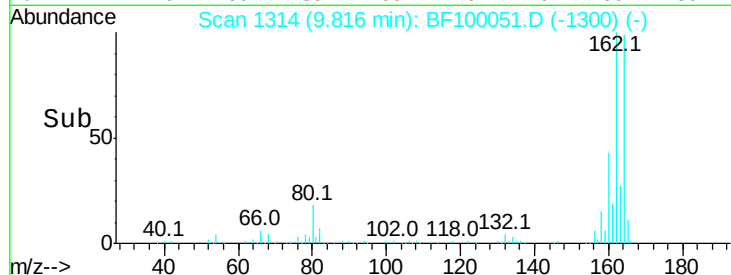
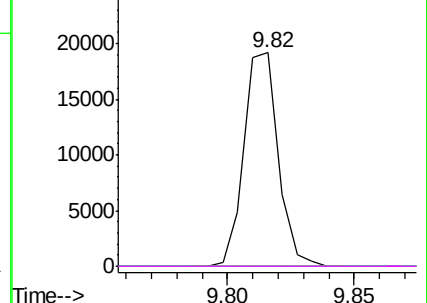
182 0.0 1.6 2.4#

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: 11.31 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

Tgt Ion:188 Resp: 220553

Ion Ratio Lower Upper

188 100

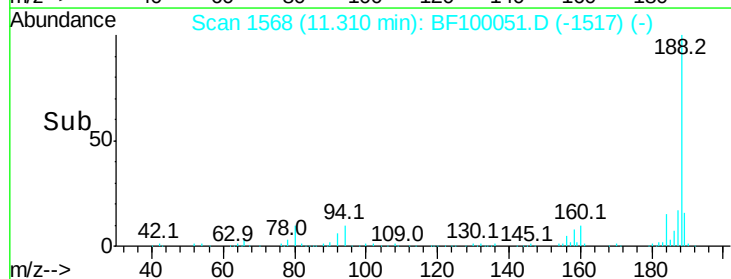
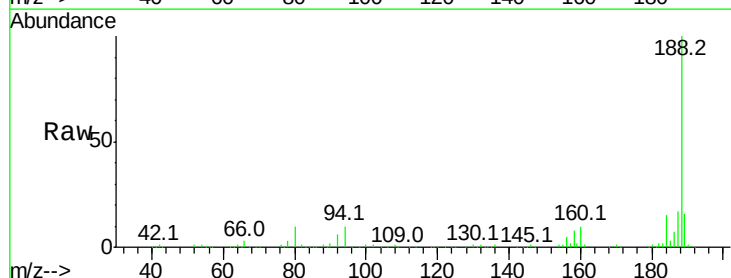
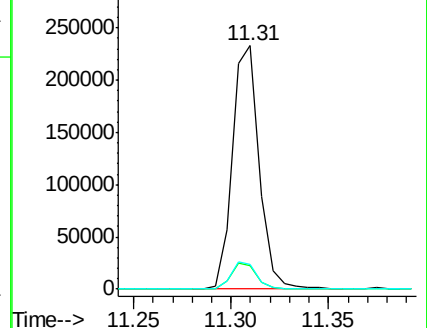
94 9.8 8.5 12.7

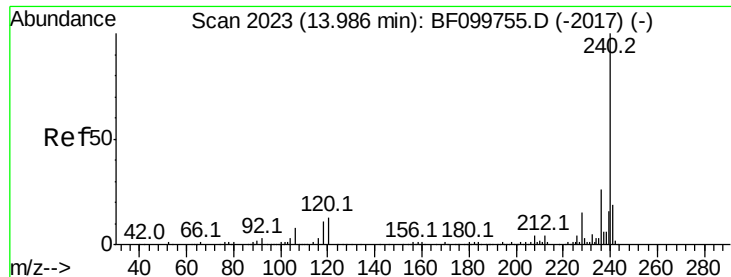
80 10.3 9.2 13.8

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

Instrument :

BNA_F

ClientSampleId :

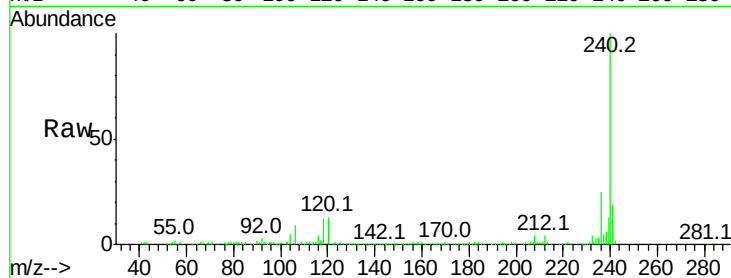
Tot Ion:240 Resp: 156066

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

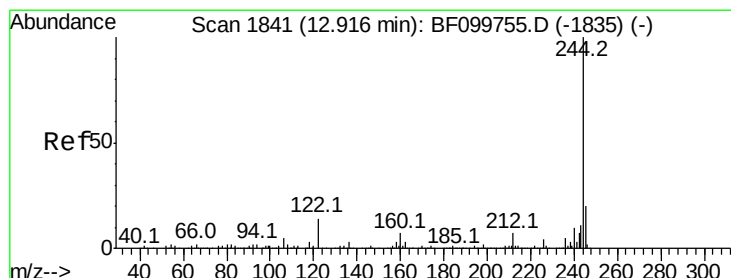
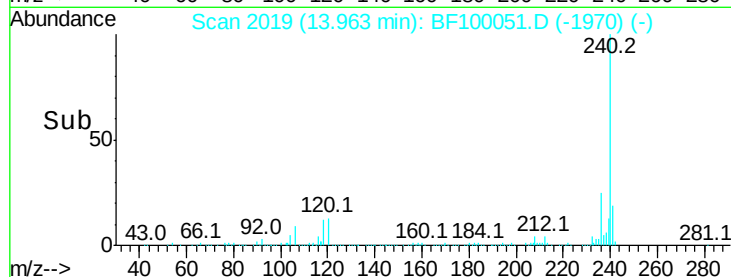
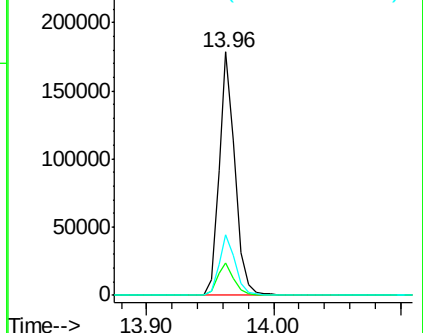
236 24.8 20.7 31.1



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



#78

Terphenyl-d14

Concen: 13.261 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF100051.D

Acq: 1 Nov 2017 18:39

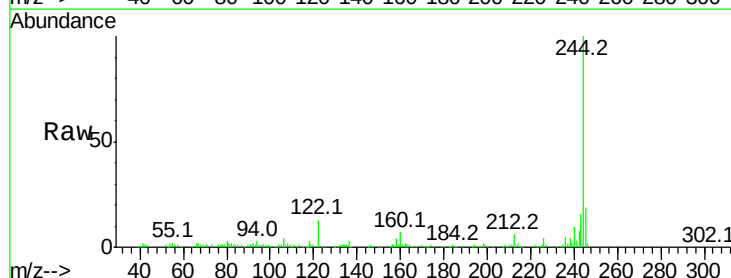
Tgt Ion:244 Resp: 94699

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

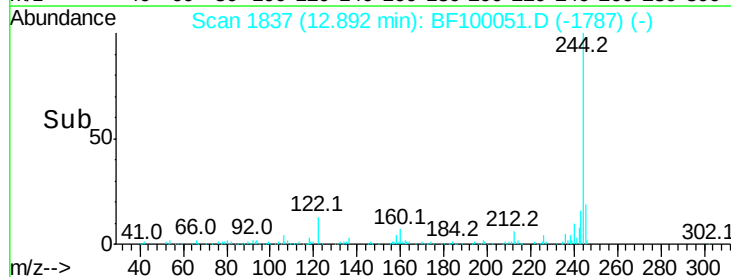
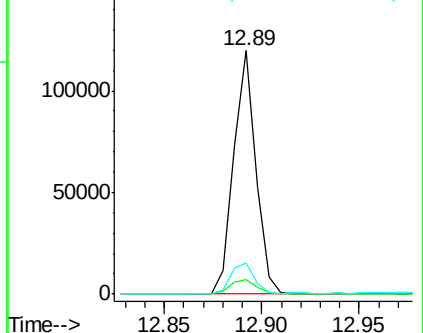
122 12.6 11.0 16.4

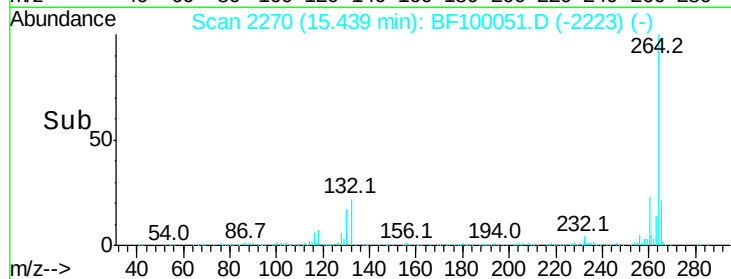
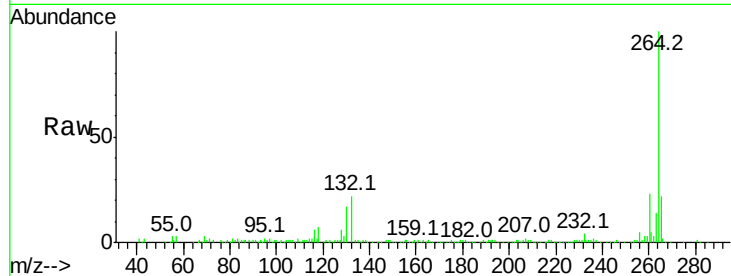
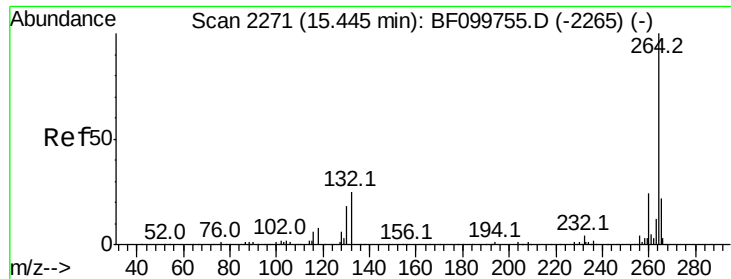


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.02 min
 Lab File: BF100051.D
 Acq: 1 Nov 2017 18:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.5	17.5	26.3

