

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062217\
 Data File : BF096151.D
 Acq On : 23 Jun 2017 8:05
 Operator : SJ/MA
 Sample : I3820-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 11:14:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

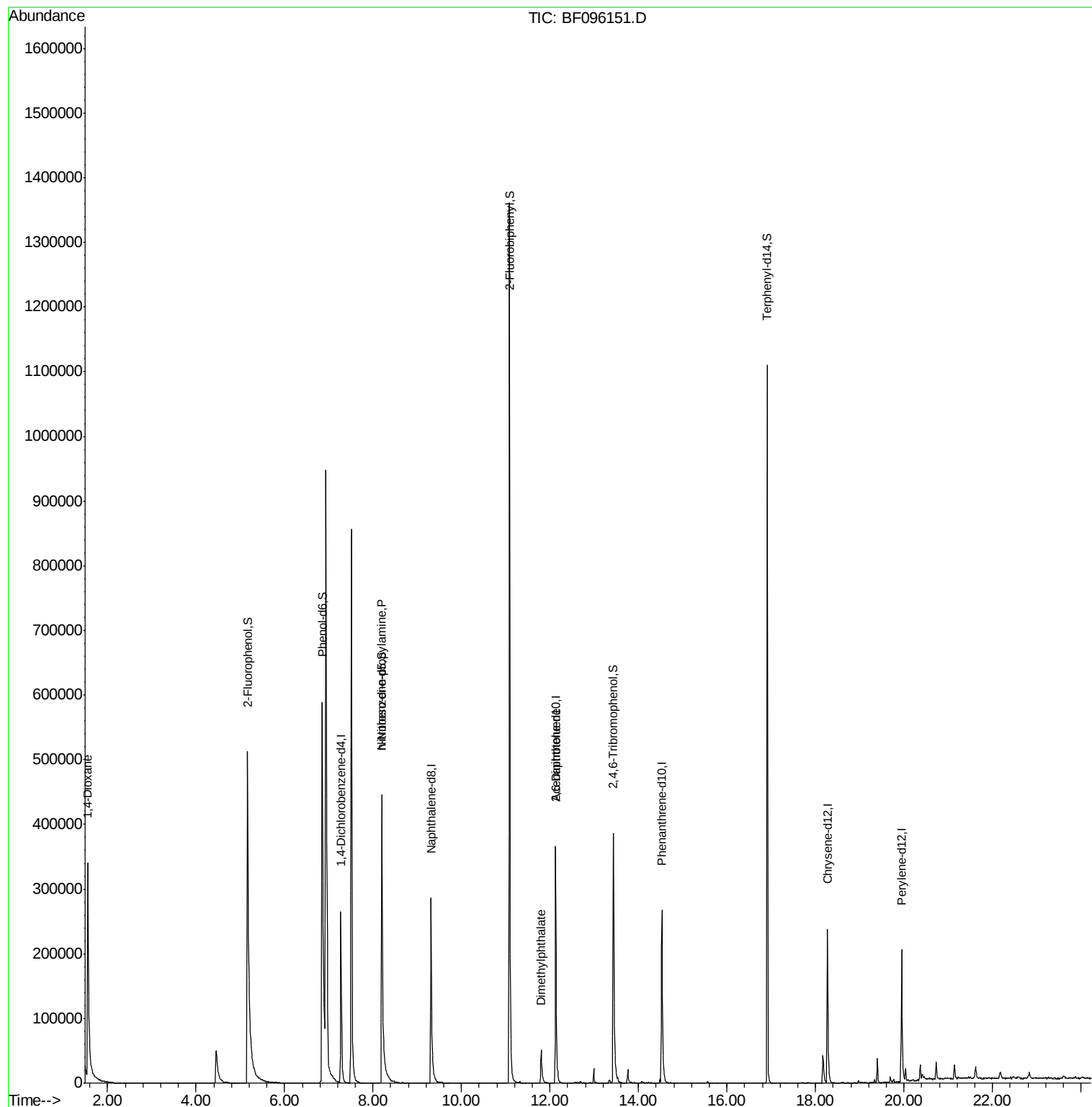
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	68851	20.00	ng	-0.02
21) Naphthalene-d8	9.31	136	277372	20.00	ng	-0.02
38) Acenaphthene-d10	12.13	164	119611	20.00	ng	-0.02
63) Phenanthrene-d10	14.53	188	188567	20.00	ng	-0.01
75) Chrysene-d12	18.27	240	137989	20.00	ng	0.00
86) Perylene-d12	19.94	264	121116	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	451349	104.46	ng	-0.02
7) Phenol-d6	6.85	99	566556	109.53	ng	-0.02
23) Nitrobenzene-d5	8.20	82	325088	72.79	ng	-0.02
41) 2,4,6-Tribromophenol	13.43	330	92990	87.87	ng	-0.02
44) 2-Fluorobiphenyl	11.09	172	651082	75.75	ng	-0.02
78) Terphenyl-d14	16.91	244	428221	77.02	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.55	88	18905	9.20	ng	# 21
19) n-Nitroso-di-n-propylamine	8.20	70	37131	11.33	ng	# 75
49) Dimethylphthalate	11.80	163	52382	5.77	ng	99
50) 2,6-Dinitrotoluene	12.13	165	14670	7.41	ng	# 31

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.27 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

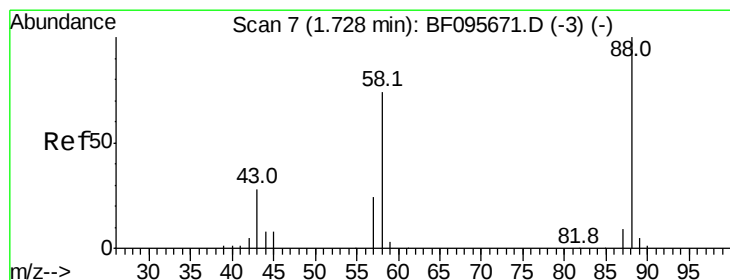
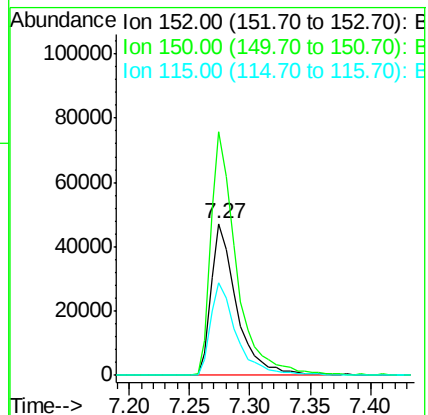
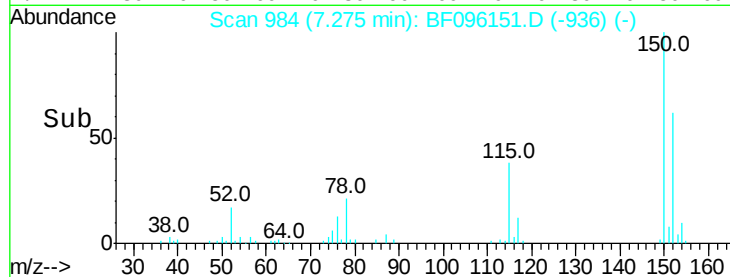
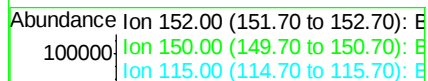
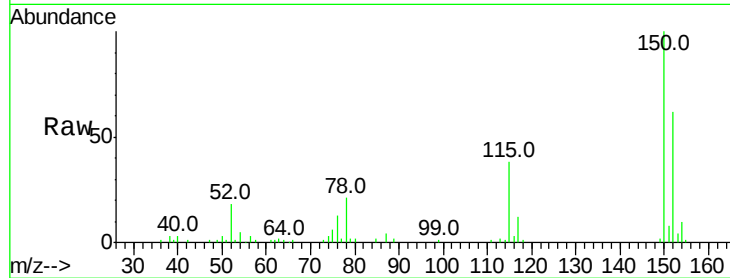
Tot Ion:152 Resp: 68851

Ion Ratio Lower Upper

152 100

150 160.1 126.2 189.2

115 60.5 52.2 78.2



#2

1,4-Dioxane

Concen: 9.20 ng

RT: 1.55 min Scan# 11

Delta R.T. -0.06 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

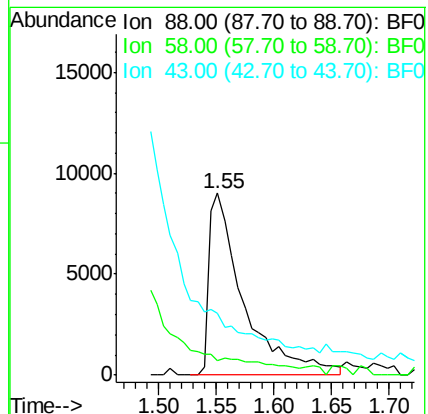
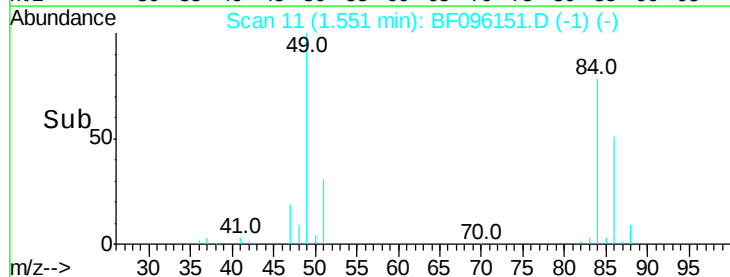
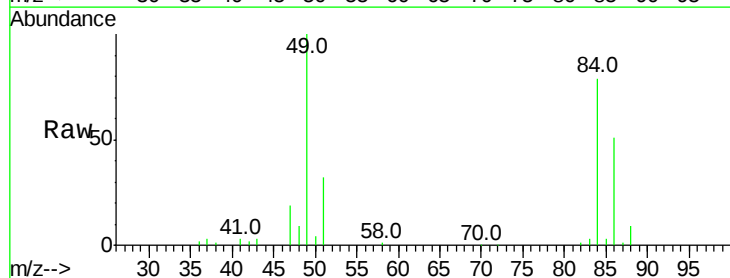
Tgt Ion: 88 Resp: 18905

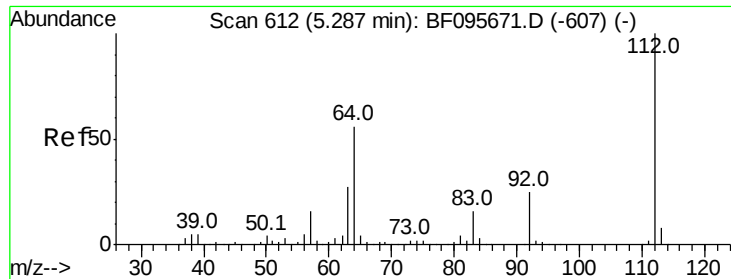
Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

43 0.0 23.4 35.0#





#5

2-Fluorophenol

Concen: 104.46 ng

RT: 5.16 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

Instrument :
BNA_F
ClientSampled :

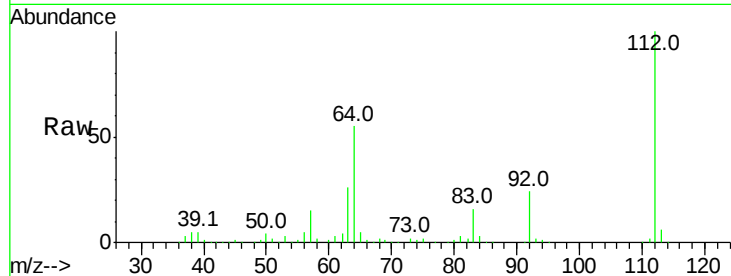
Tot Ion:112 Resp: 451349

Ion Ratio Lower Upper

112 100

64 55.0 46.0 69.0

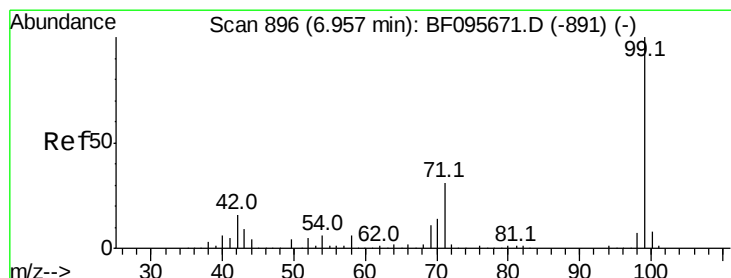
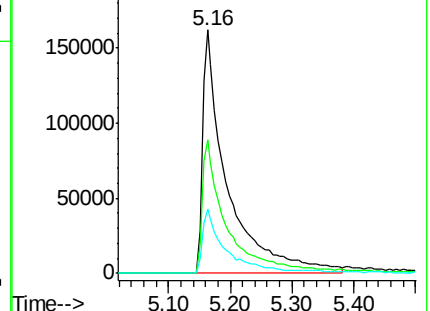
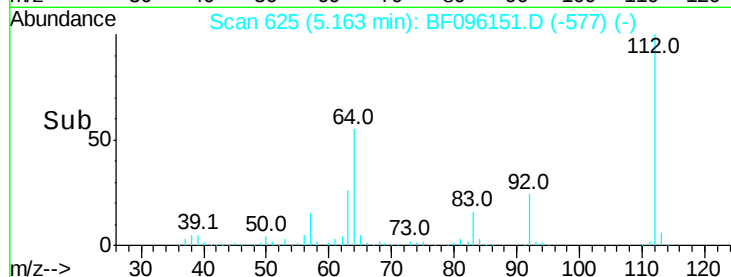
63 26.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 109.53 ng

RT: 6.85 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

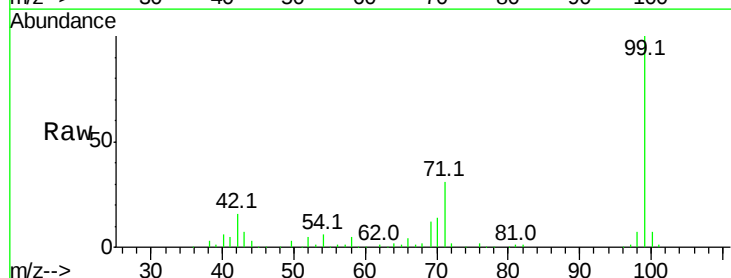
Tgt Ion: 99 Resp: 566556

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

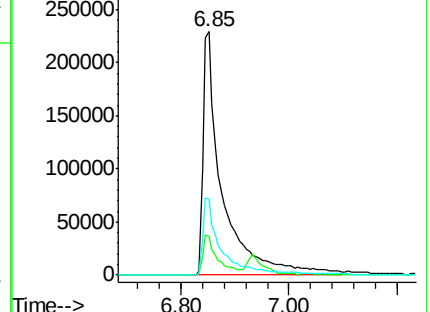
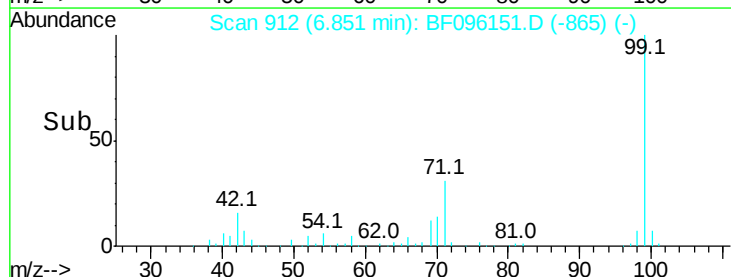
71 31.2 24.5 36.7

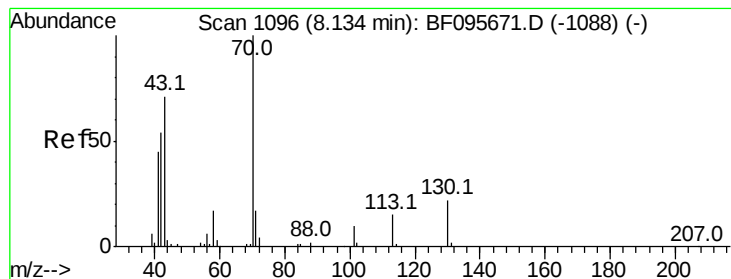


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.33 ng

RT: 8.20 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 37131

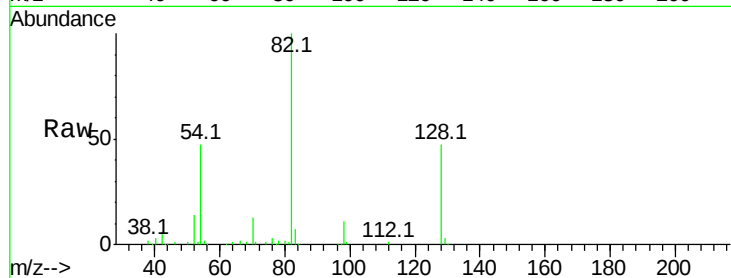
Ion Ratio Lower Upper

70 100

42 44.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

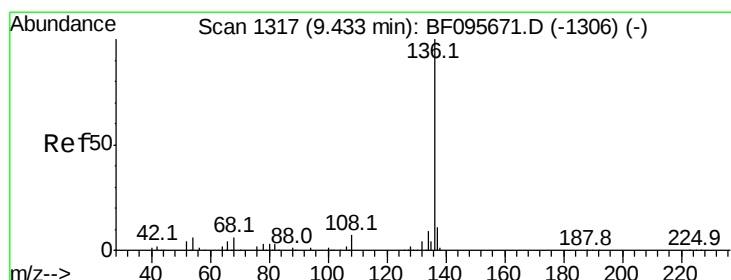
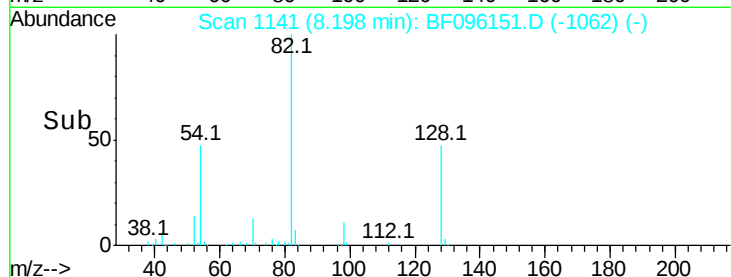
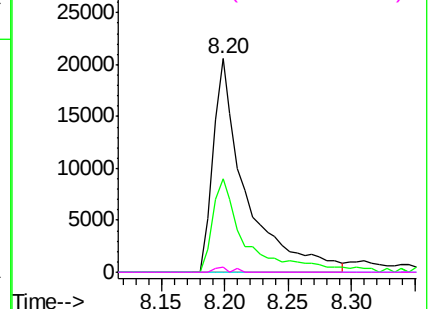


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.31 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

Tgt Ion: 136 Resp: 277372

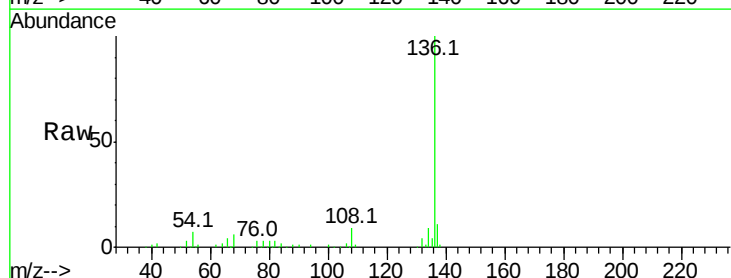
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 7.2 4.9 7.3

68 5.7 4.1 6.1

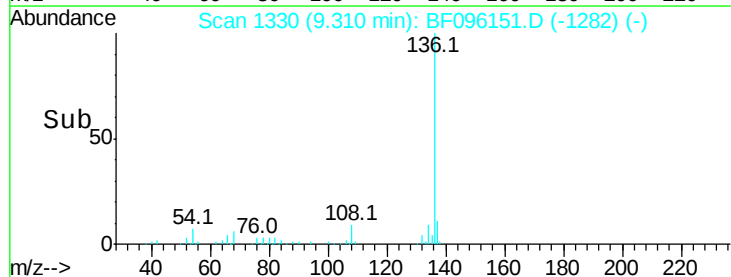
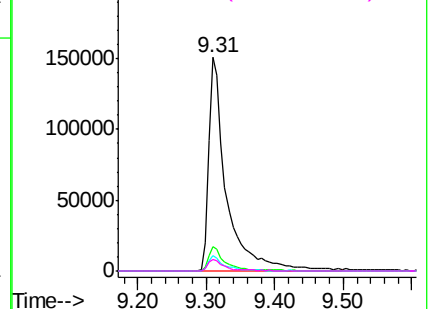


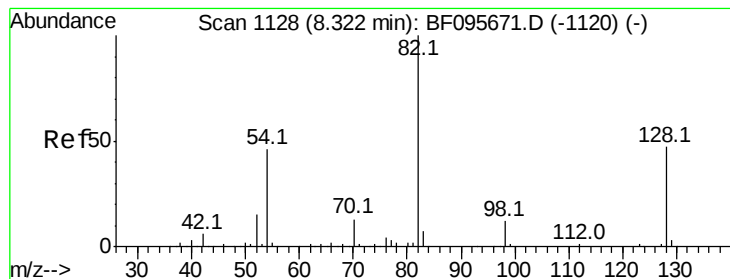
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 72.79 ng

RT: 8.20 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

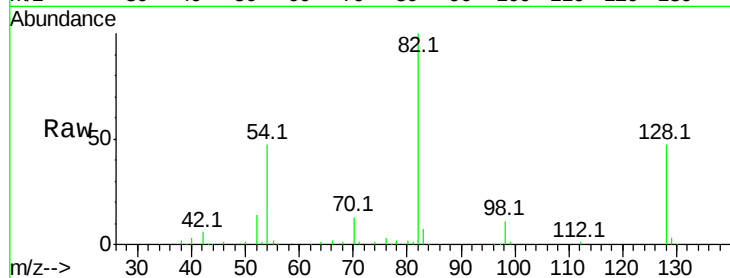
Tot Ion: 82 Resp: 325088

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

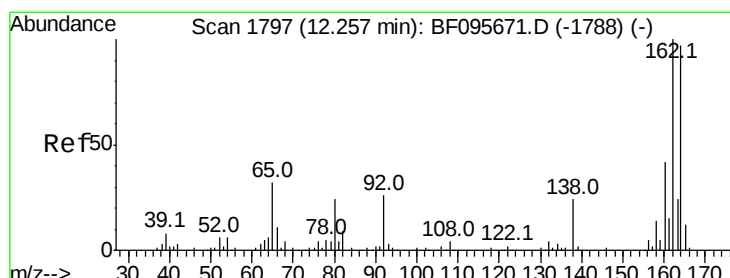
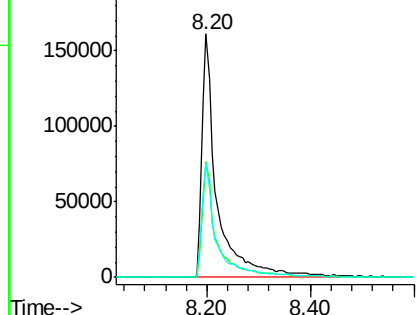
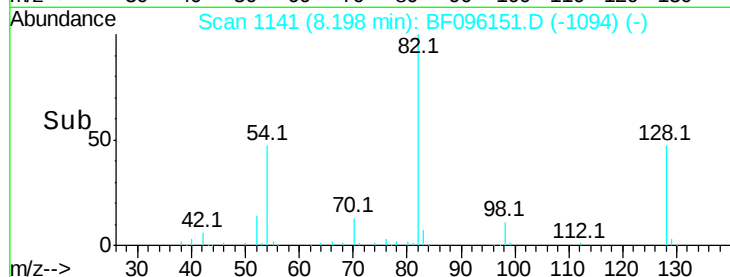
54 46.9 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.13 min Scan# 1809

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

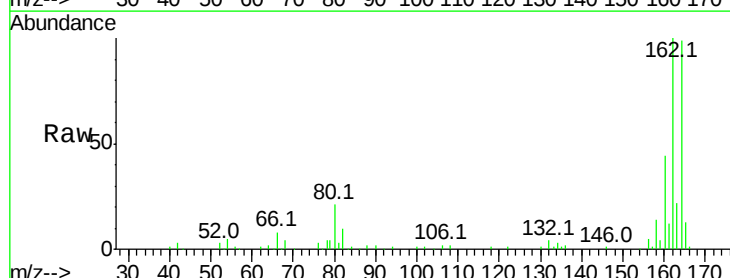
Tgt Ion:164 Resp: 119611

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

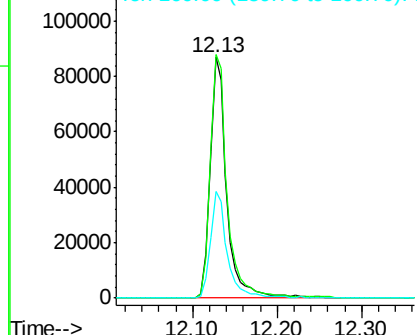
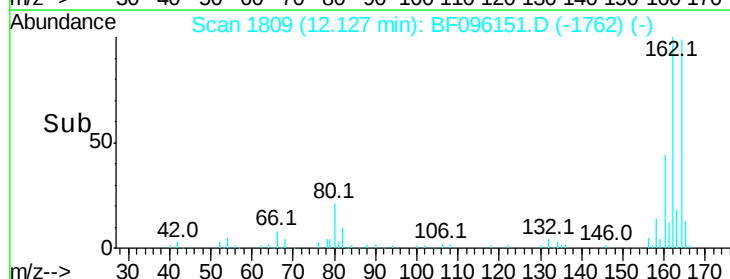
160 44.4 36.2 54.2



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

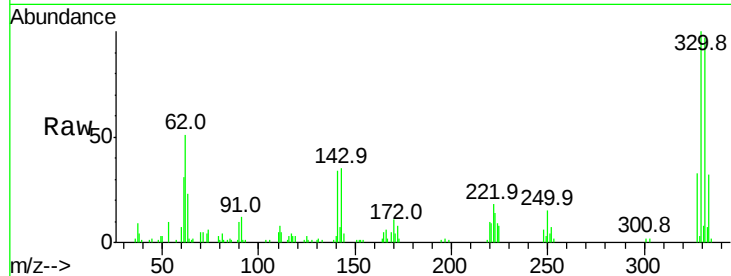




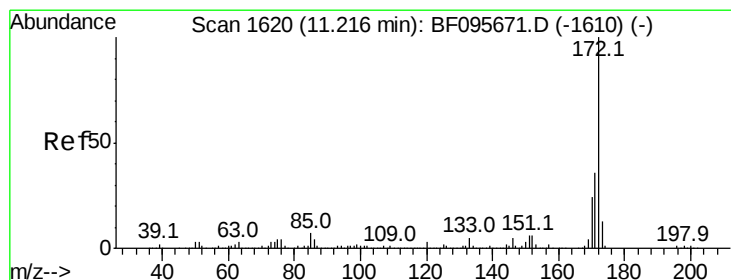
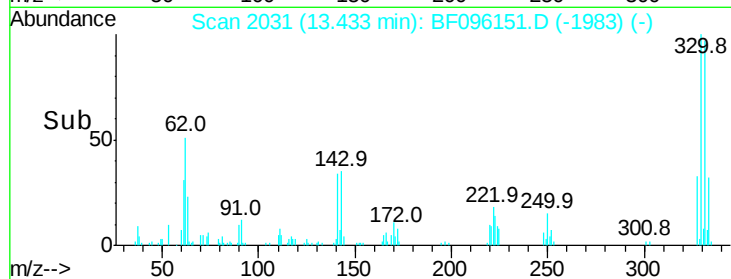
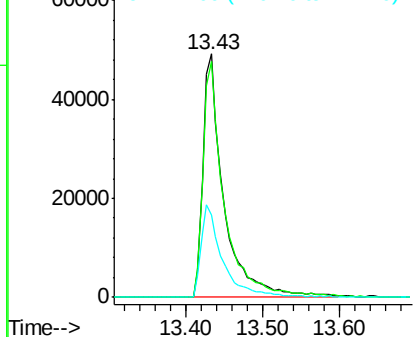
#41
 2,4,6-Tribromophenol
 Concen: 87.87 ng
 RT: 13.43 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF096151.D
 Acq: 23 Jun 2017 8:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 92990
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 38.7 31.4 47.2

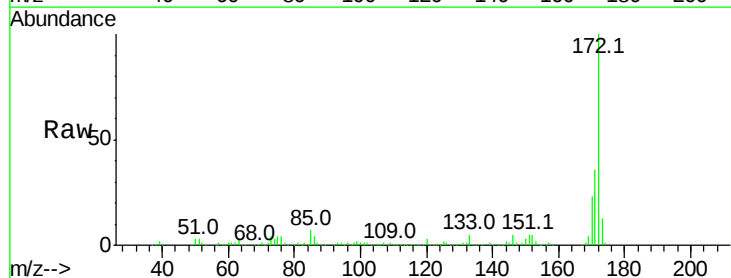


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

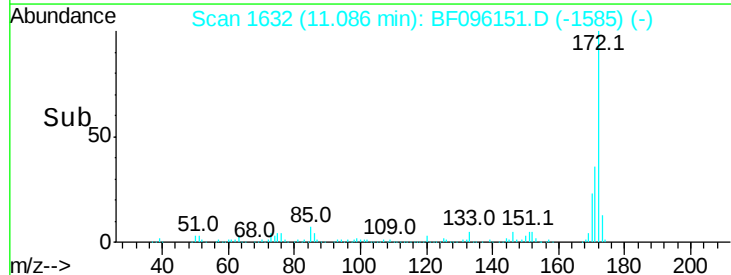
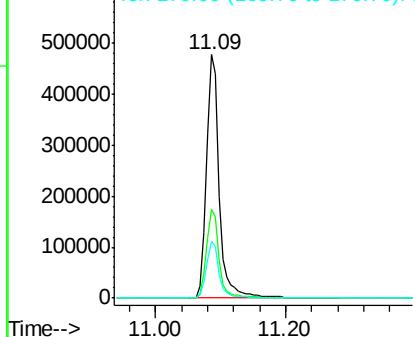


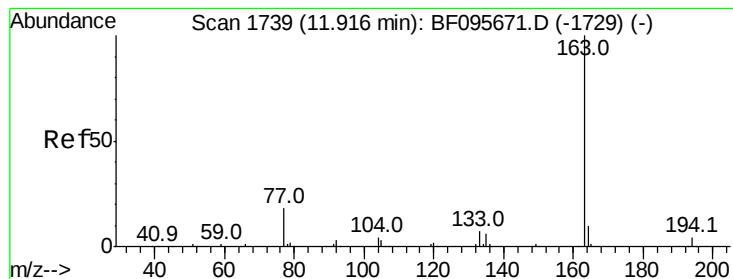
#44
 2-Fluorobiphenyl
 Concen: 75.75 ng
 RT: 11.09 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF096151.D
 Acq: 23 Jun 2017 8:05

Tgt Ion:172 Resp: 651082
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.1 19.8 29.8



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: 5.77 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

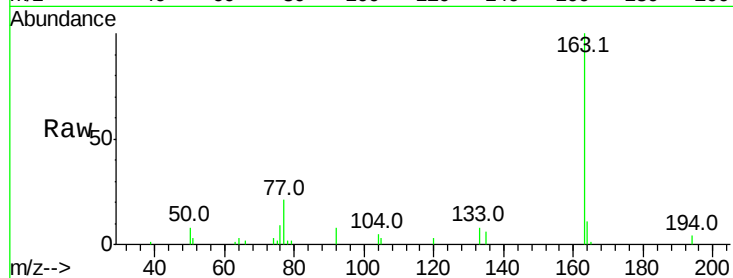
Tot Ion:163 Resp: 52382

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

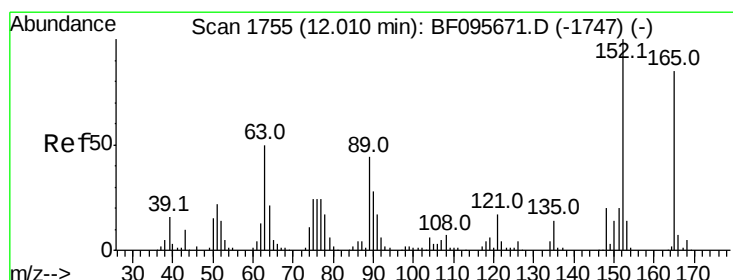
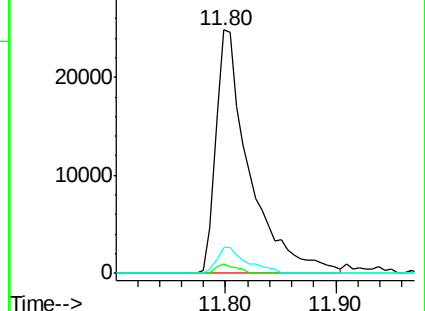
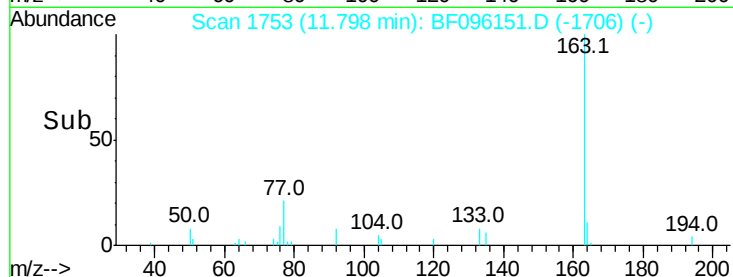
164 10.7 8.4 12.6



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: 7.41 ng

RT: 12.13 min Scan# 1809

Delta R.T. 0.21 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

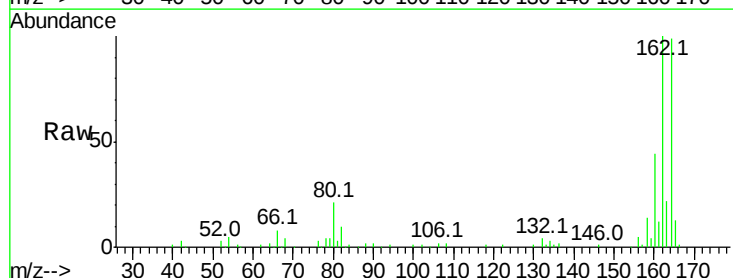
Tgt Ion:165 Resp: 14670

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

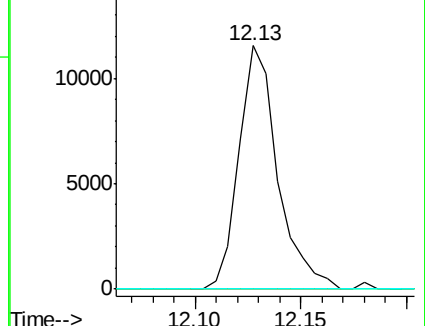
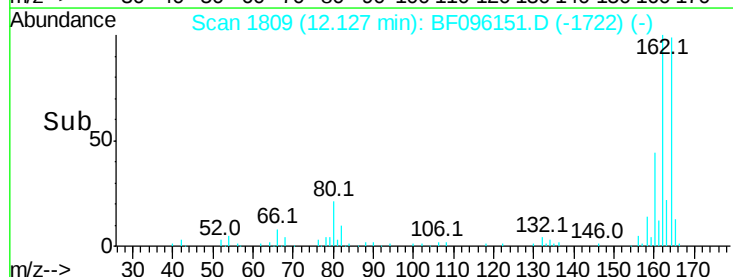
89 0.0 37.1 55.7#

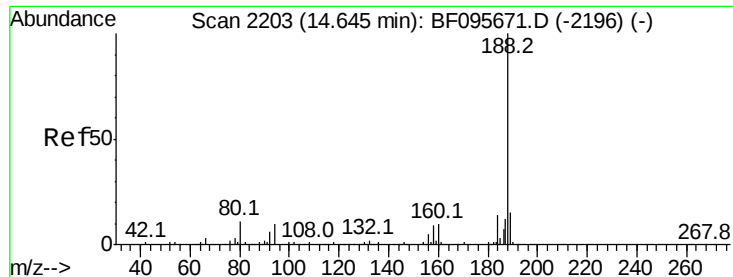


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

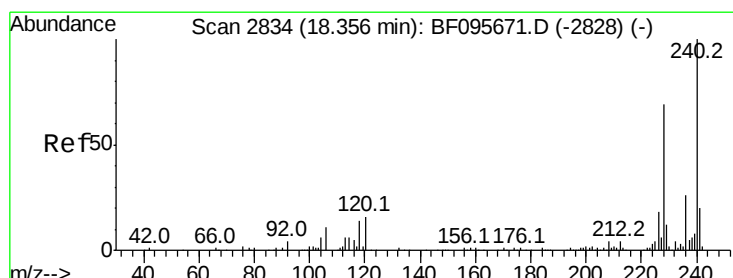
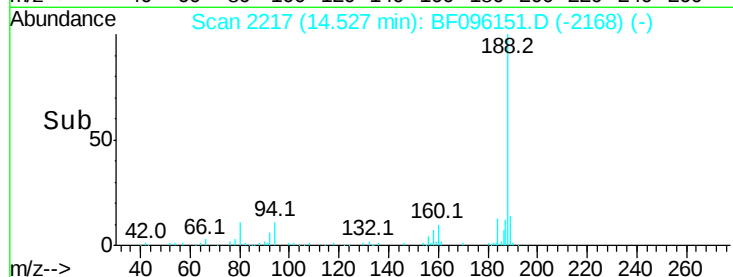
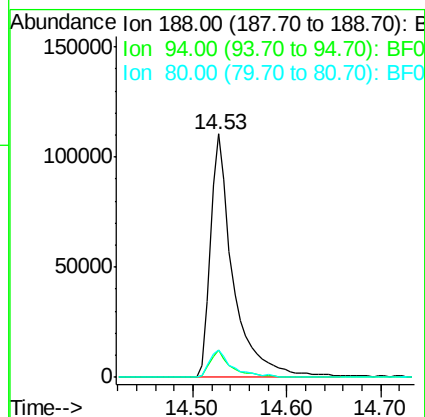
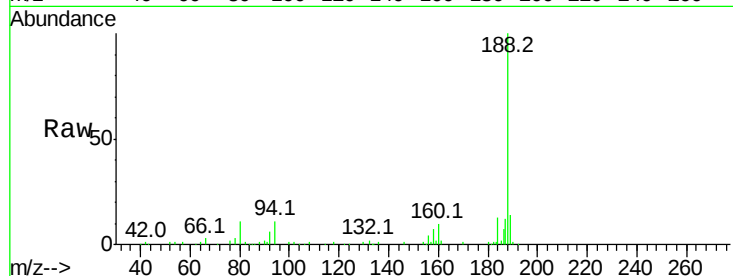




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF096151.D
Acq: 23 Jun 2017 8:05

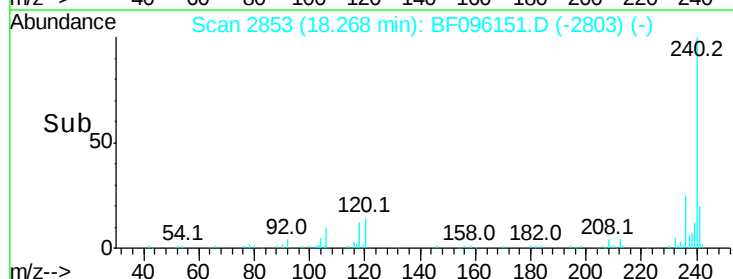
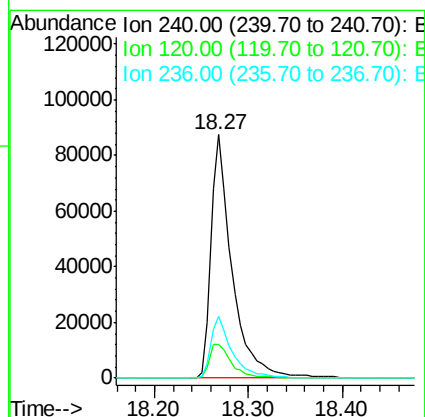
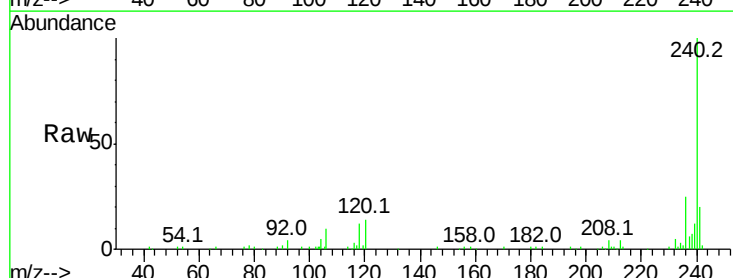
Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 188567
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.3 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF096151.D
Acq: 23 Jun 2017 8:05

Tgt Ion:240 Resp: 137989
Ion Ratio Lower Upper
240 100
120 14.0 5.8 8.8#
236 25.4 20.5 30.7





#78

Terphenyl-d14

Concen: 77.02 ng

RT: 16.91 min Scan# 2622

Delta R.T. -0.02 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

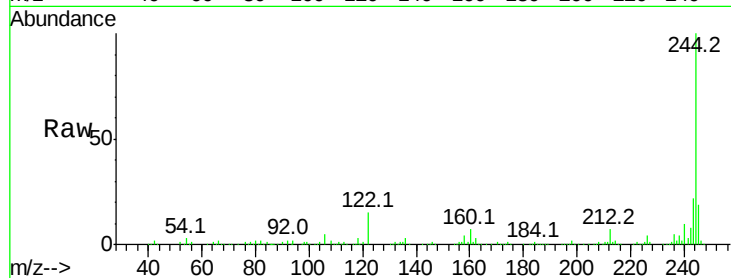
Tot Ion:244 Resp: 428221

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

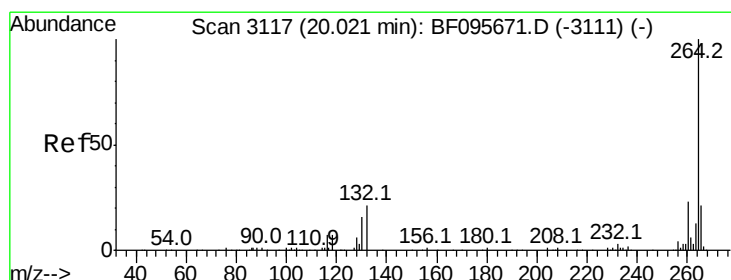
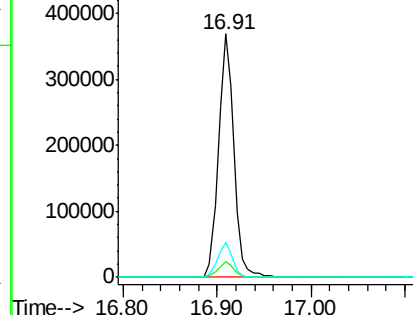
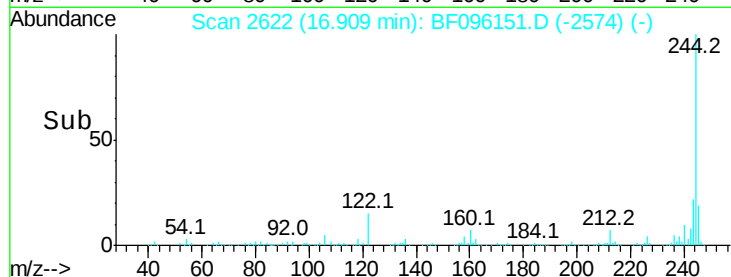
122 14.5 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 19.94 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BF096151.D

Acq: 23 Jun 2017 8:05

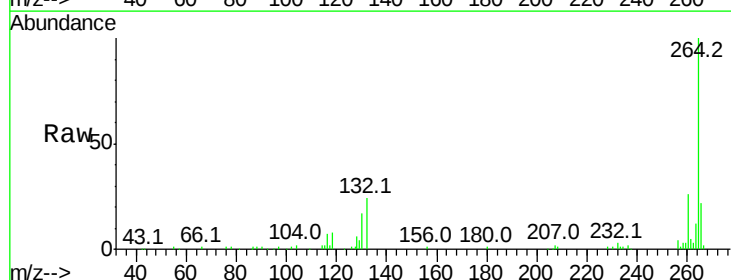
Tgt Ion:264 Resp: 121116

Ion Ratio Lower Upper

264 100

260 25.6 19.5 29.3

265 21.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

