

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096839.D
 Acq On : 18 Jul 2017 11:11
 Operator : SJ/JU
 Sample : I4205-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-TWP07

Quant Time: Jul 18 12:16:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 11:39:34 2017
 Response via : Initial Calibration

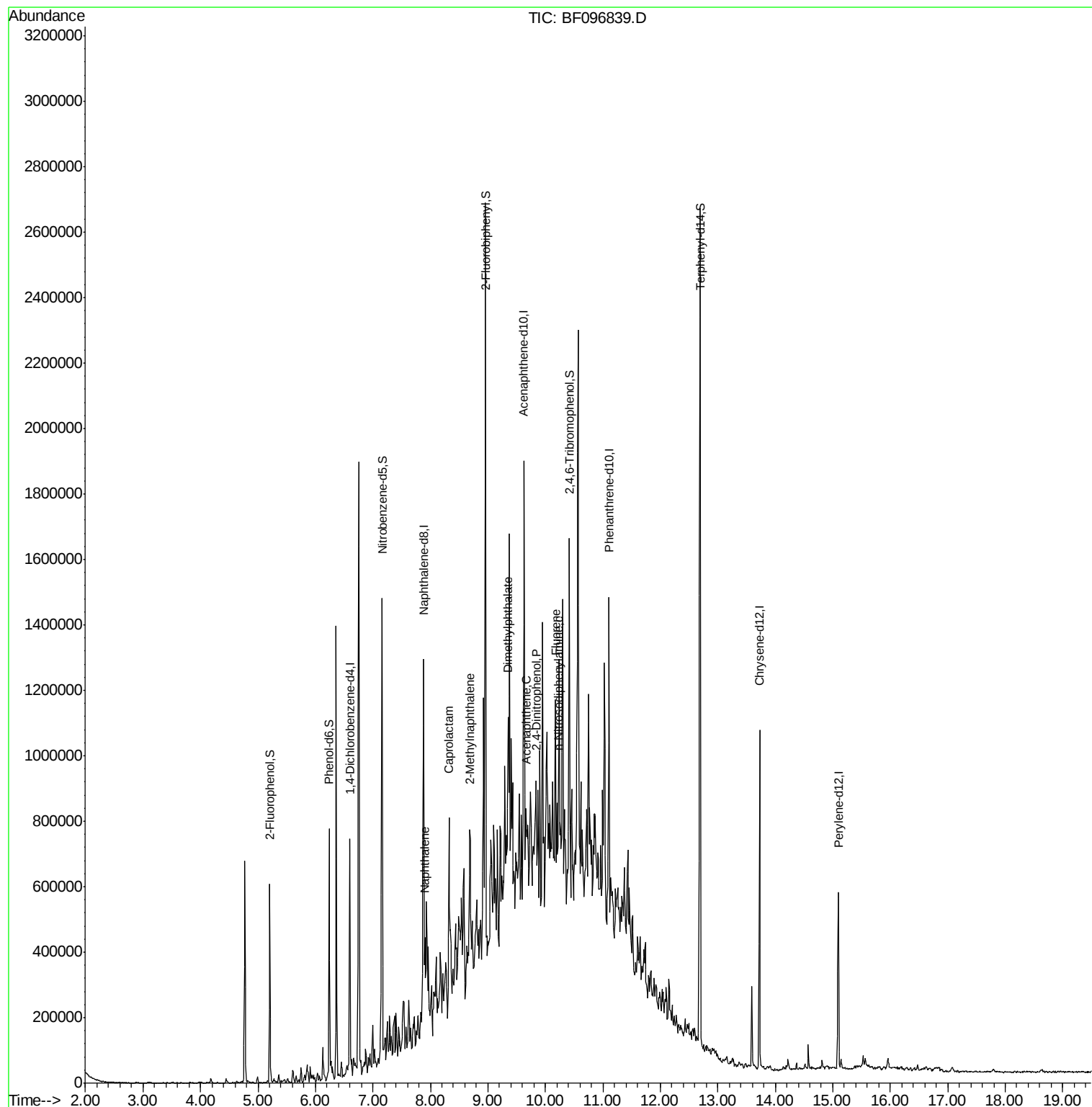
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	110119	20.00	ng	-0.04
21) Naphthalene-d8	7.88	136	456692	20.00	ng	-0.04
38) Acenaphthene-d10	9.63	164	223266	20.00	ng	-0.04
63) Phenanthrene-d10	11.10	188	385949	20.00	ng	-0.04
75) Chrysene-d12	13.73	240	329763	20.00	ng	-0.05
86) Perylene-d12	15.10	264	223150	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	168801	23.05	ng	-0.03
7) Phenol-d6	6.24	99	224669	25.56	ng	-0.04
23) Nitrobenzene-d5	7.16	82	505816	68.60	ng	-0.04
41) 2,4,6-Tribromophenol	10.42	330	112045	58.79	ng	-0.04
44) 2-Fluorobiphenyl	8.96	172	955977	67.65	ng	-0.04
78) Terphenyl-d14	12.69	244	875406	46.04	ng	-0.04
Target Compounds						
31) Naphthalene	7.90	128	67430	3.117	ng	# 93
35) Caprolactam	8.33	113	11542	5.705	ng	# 1
37) 2-Methylnaphthalene	8.69	142	85969	6.233	ng	# 96
49) Dimethylphthalate	9.35	163	182751	10.871	ng	# 98
51) Acenaphthene	9.66	154	51583	3.887	ng	# 97
53) 2,4-Dinitrophenol	9.85	184	1414	7.459	ng	# 1
57) Fluorene	10.17	166	94374	6.867	ng	# 95
60) 4-Chlorophenyl-phenylether	10.18	204	1064	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.22	169	37464	2.716	ng	# 95

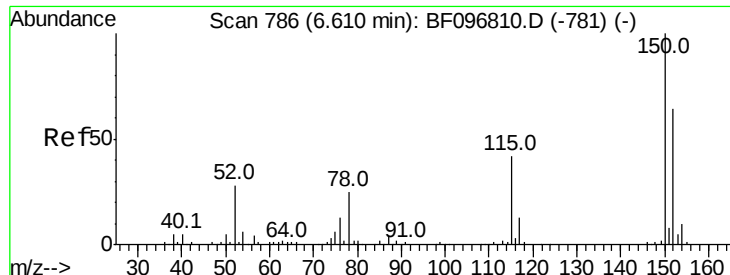
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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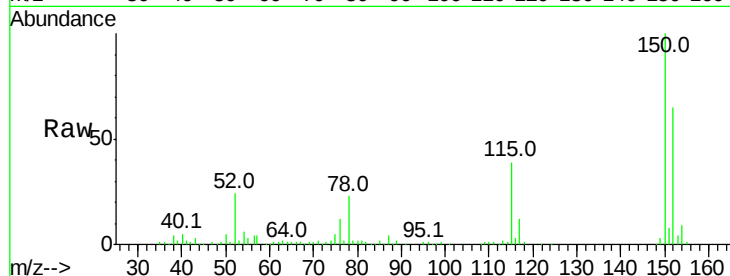


#1

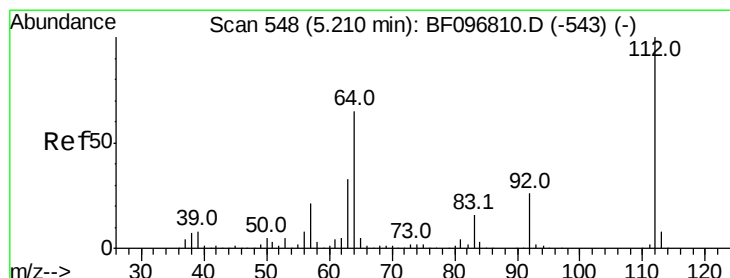
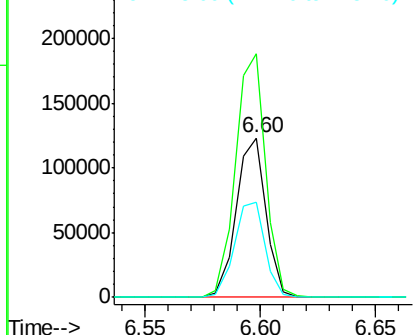
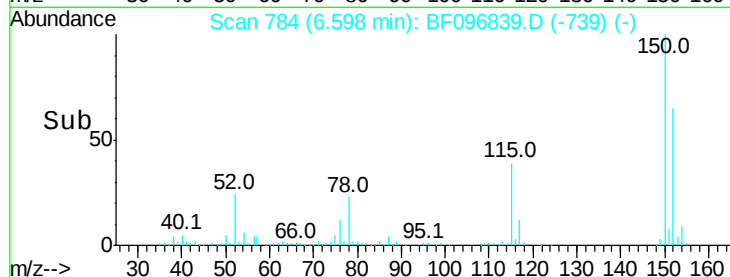
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 784
 Delta R.T. -0.04 min
 Lab File: BF096839.D
 Acq: 18 Jul 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :
 NB-TWP07

Tot Ion:152 Resp: 110119
 Ion Ratio Lower Upper
 152 100
 150 153.0 126.2 189.2
 115 59.4 52.2 78.2



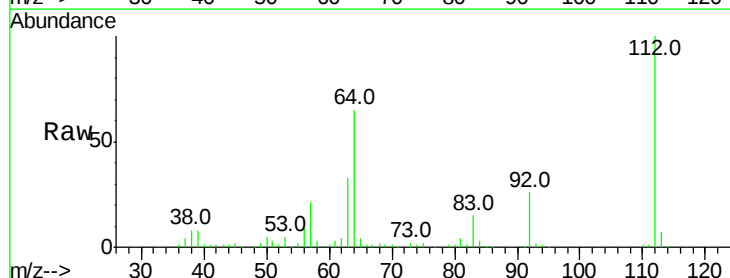
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



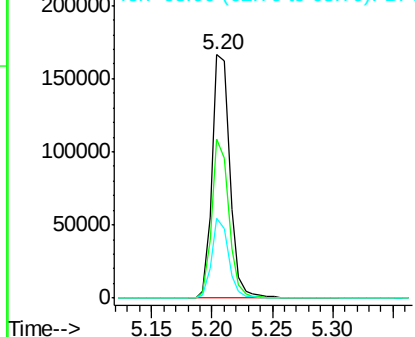
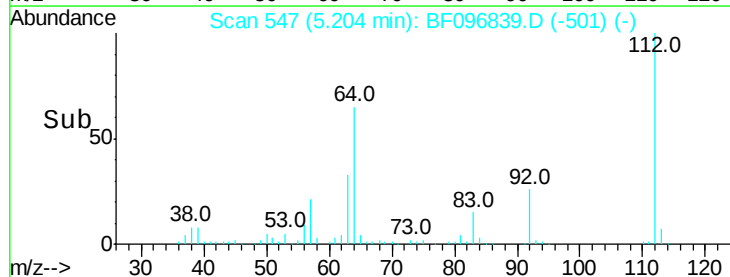
#5

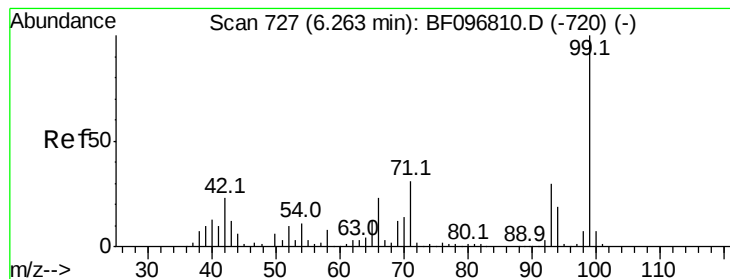
2-Fluorophenol
 Concen: 23.048 ng
 RT: 5.20 min Scan# 547
 Delta R.T. -0.03 min
 Lab File: BF096839.D
 Acq: 18 Jul 2017 11:11

Tgt Ion:112 Resp: 168801
 Ion Ratio Lower Upper
 112 100
 64 65.1 46.0 69.0
 63 32.8 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: 25.563 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

NB-TWP07

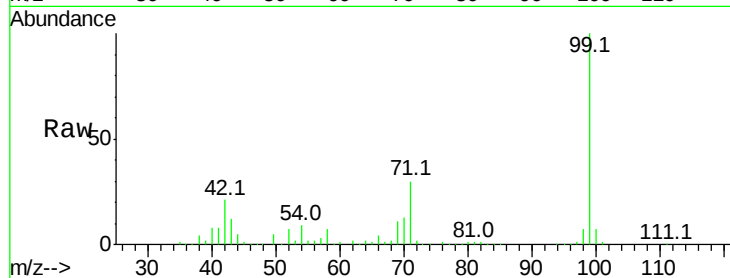
Tot Ion: 99 Resp: 224669

Ion Ratio Lower Upper

99 100

42 21.3 13.5 20.3#

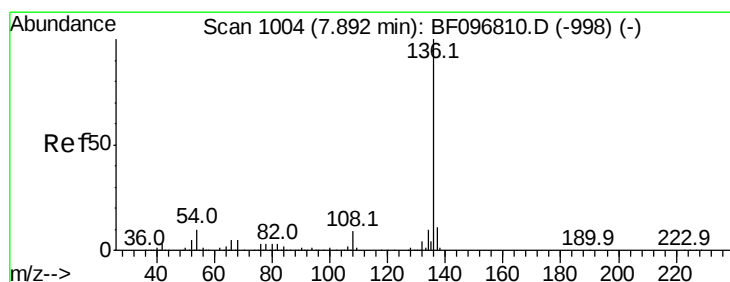
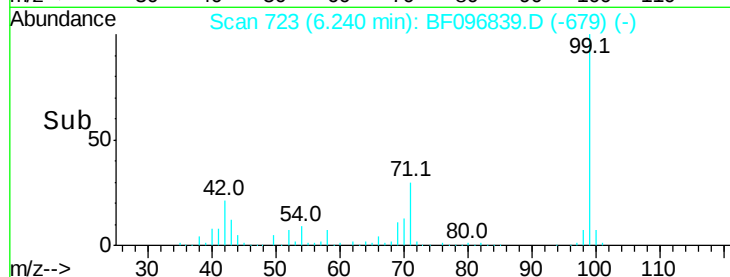
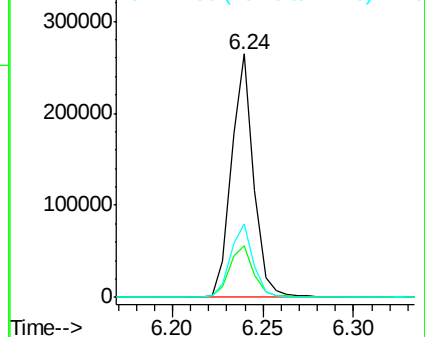
71 30.1 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1002

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Tgt Ion: 136 Resp: 456692

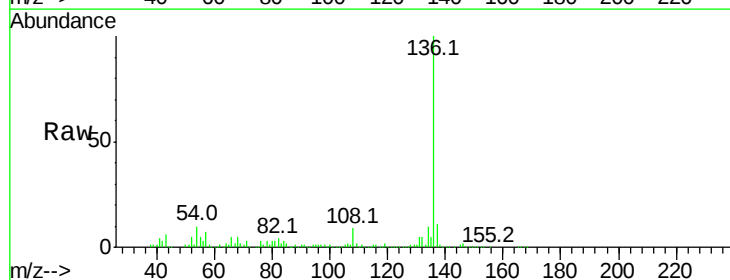
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.8 4.9 7.3#

68 5.1 4.1 6.1

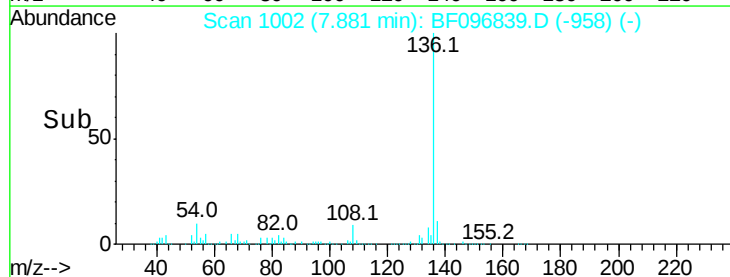
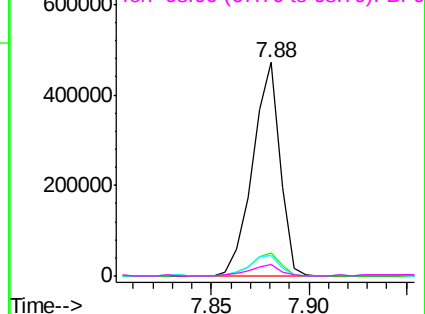


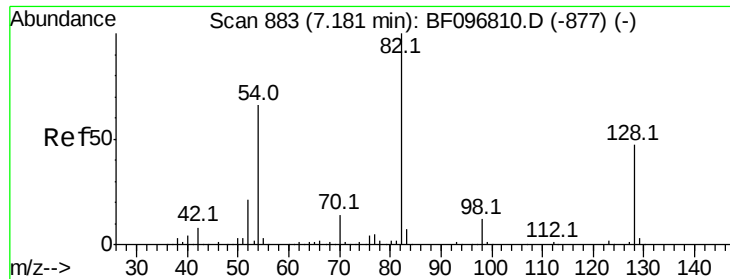
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

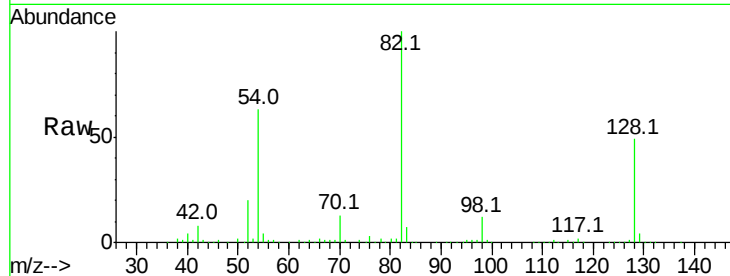




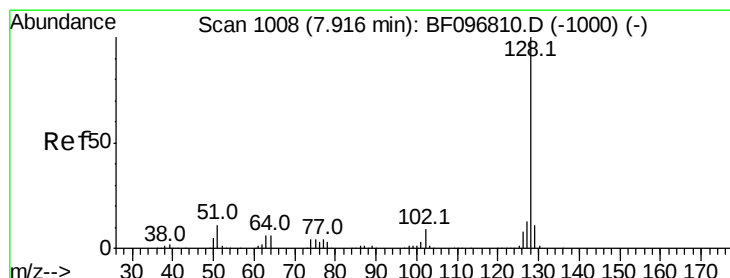
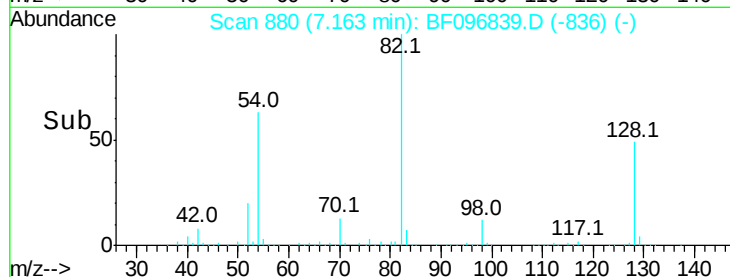
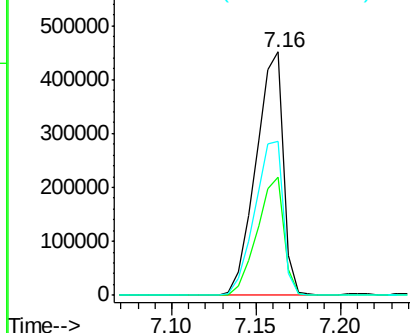
#23
 Nitrobenzene-d5
 Concen: 68.603 ng
 RT: 7.16 min Scan# 880
 Delta R.T. -0.04 min
 Lab File: BF096839.D
 Acq: 18 Jul 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :
 NB-TWP07

Tot Ion	82	Resp	505816
Ion Ratio	100	Lower	Upper
128	48.7	34.0	51.0
54	63.1	42.2	63.2

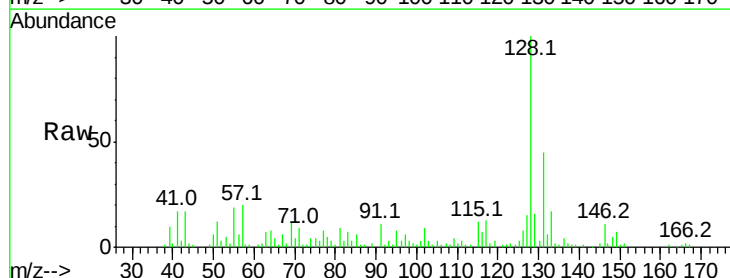


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

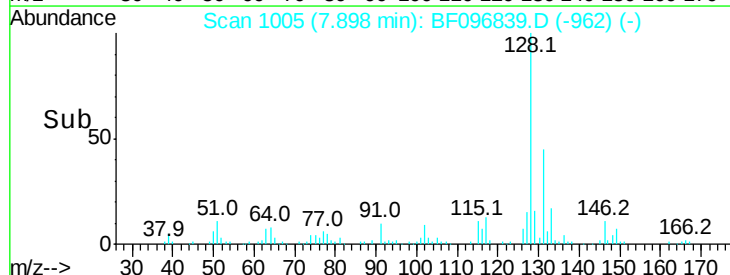
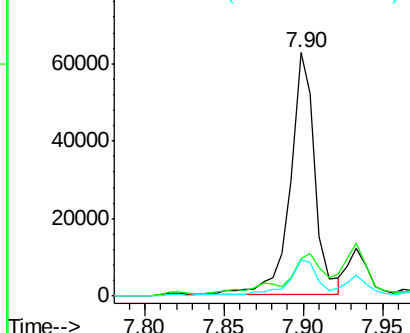


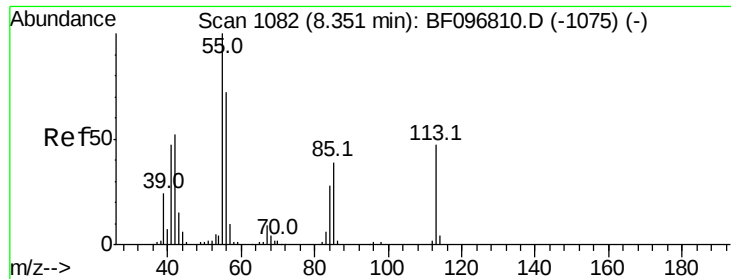
#31
 Naphthalene
 Concen: 3.117 ng
 RT: 7.90 min Scan# 1005
 Delta R.T. -0.05 min
 Lab File: BF096839.D
 Acq: 18 Jul 2017 11:11

Tgt Ion	128	Resp	67430
Ion Ratio	100	Lower	Upper
129	15.5	9.0	13.6#
127	14.6	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#35

Caprolactam

Concen: 5.705 ng

RT: 8.33 min Scan# 1078

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

NB-TWP07

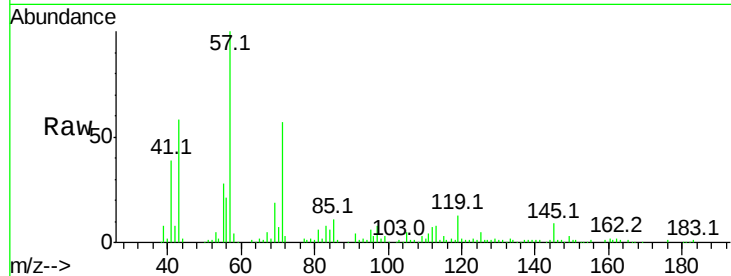
Tot Ion:113 Resp: 11542

Ion Ratio Lower Upper

113 100

55 367.7 150.2 190.2#

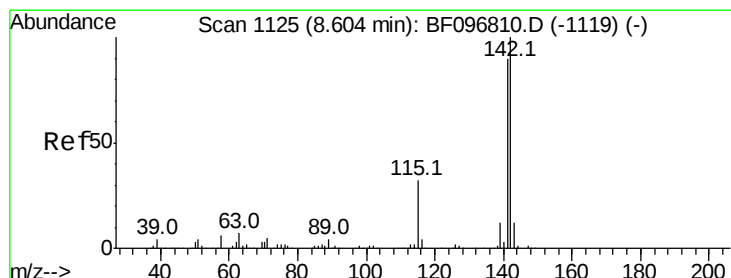
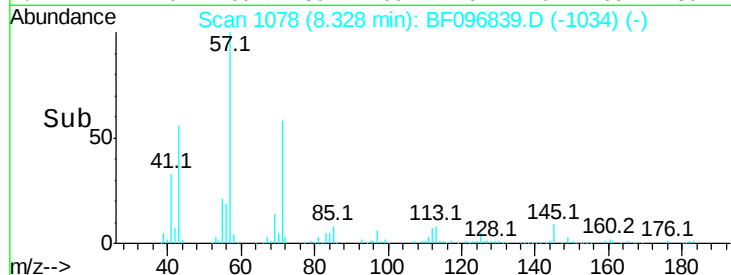
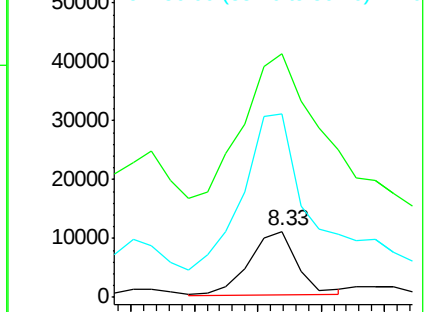
56 276.5 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 6.233 ng

RT: 8.69 min Scan# 1140

Delta R.T. 0.06 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

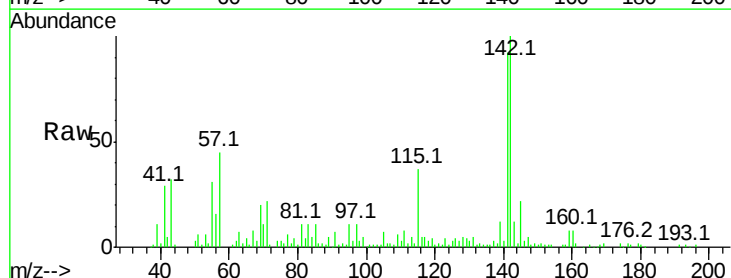
Tgt Ion:142 Resp: 85969

Ion Ratio Lower Upper

142 100

141 92.4 71.3 106.9

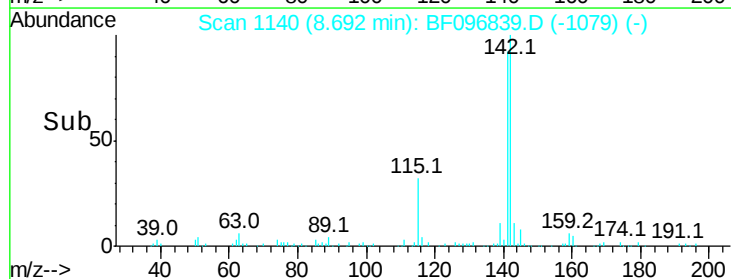
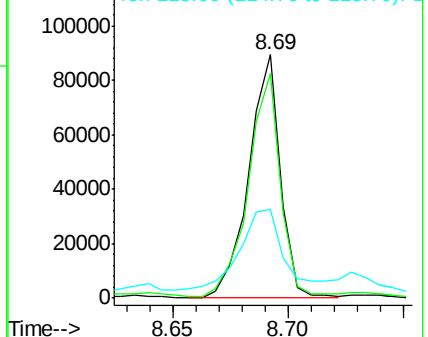
115 36.5 27.1 40.7

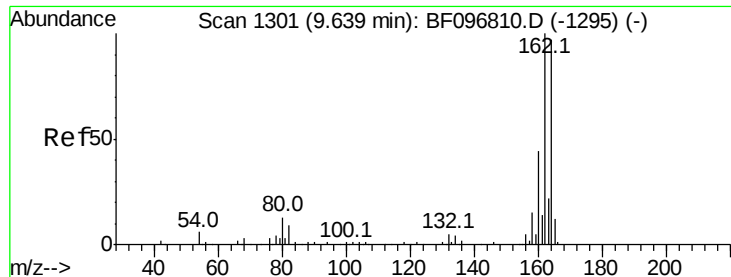


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

NB-TWP07

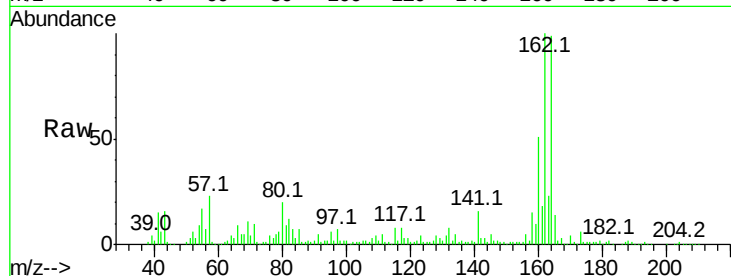
Tot Ion:164 Resp: 223266

Ion Ratio Lower Upper

164 100

162 100.8 82.6 123.8

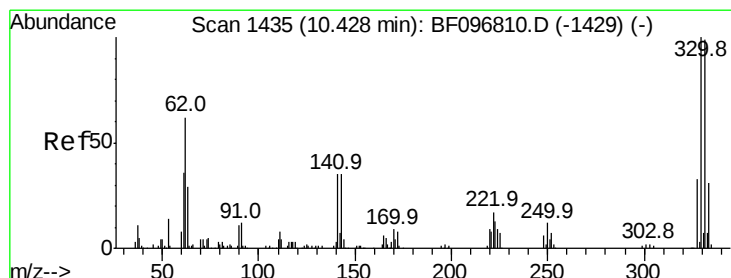
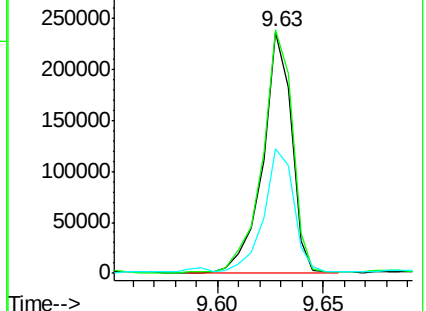
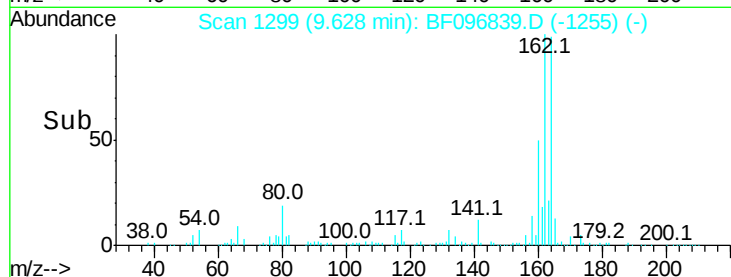
160 51.3 36.2 54.2



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: 58.793 ng

RT: 10.42 min Scan# 1433

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

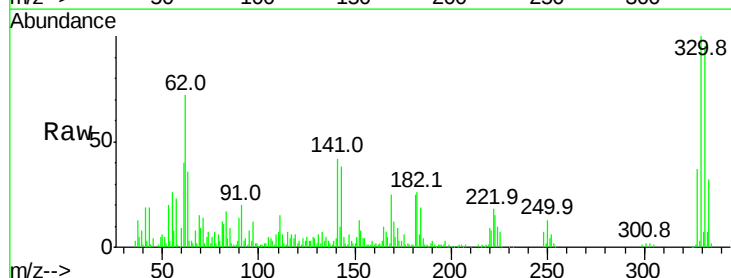
Tgt Ion:330 Resp: 112045

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

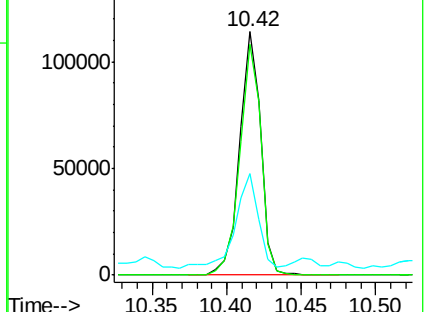
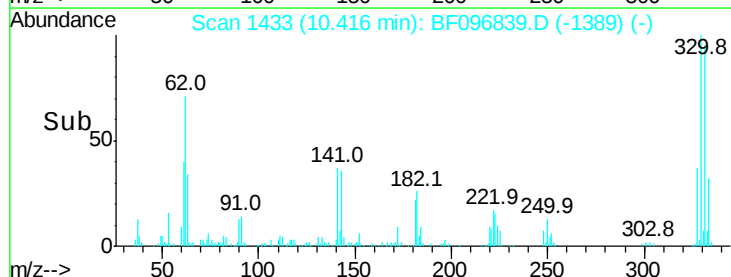
141 42.6 31.4 47.2

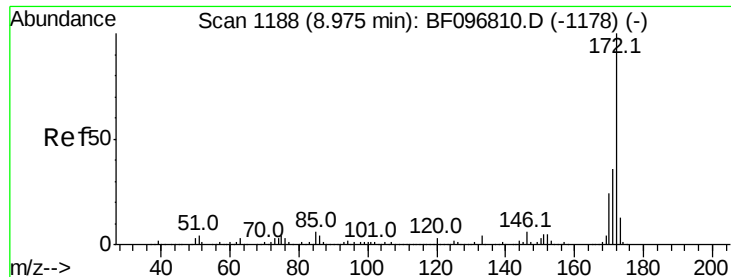


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

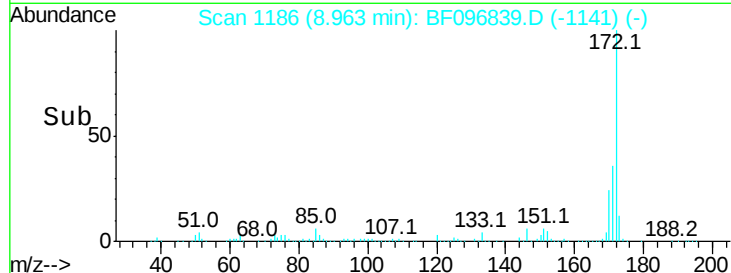
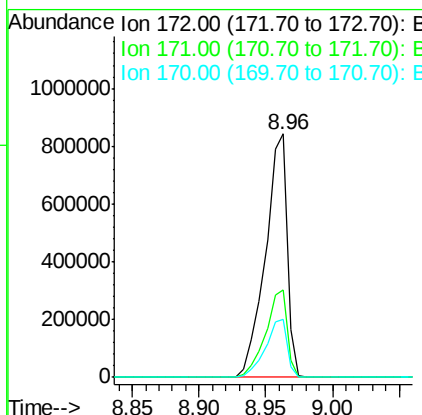
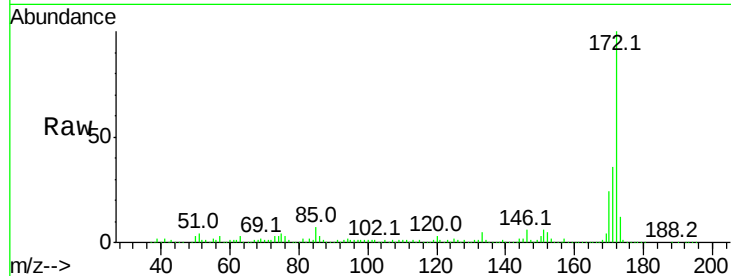




#44
2-Fluorobiphenyl
Concen: 67.649 ng
RT: 8.96 min Scan# 1186
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

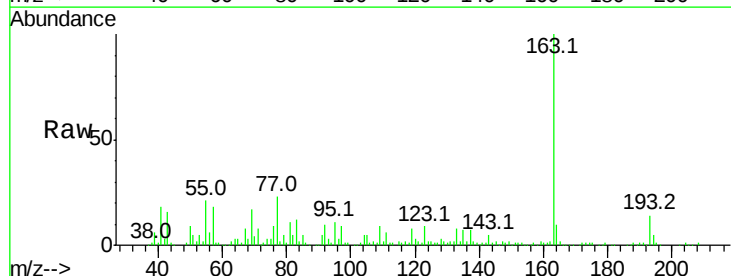
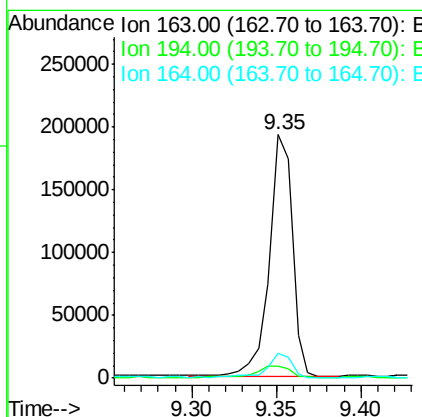
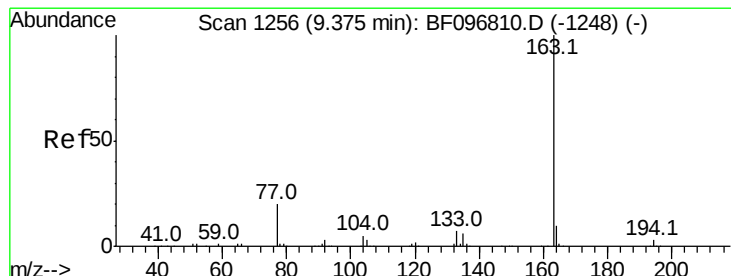
Instrument :
BNA_F
ClientSampled :
NB-TWP07

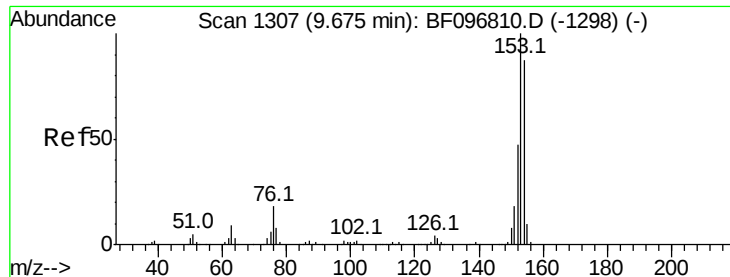
Tot Ion:172 Resp: 955977
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.8 19.8 29.8



#49
Dimethylphthalate
Concen: 10.871 ng
RT: 9.35 min Scan# 1252
Delta R.T. -0.05 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:163 Resp: 182751
Ion Ratio Lower Upper
163 100
194 5.0 2.6 4.0#
164 10.1 8.4 12.6





#51

Acenaphthene

Concen: 3.887 ng

RT: 9.66 min Scan# 1305

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

NB-TWP07

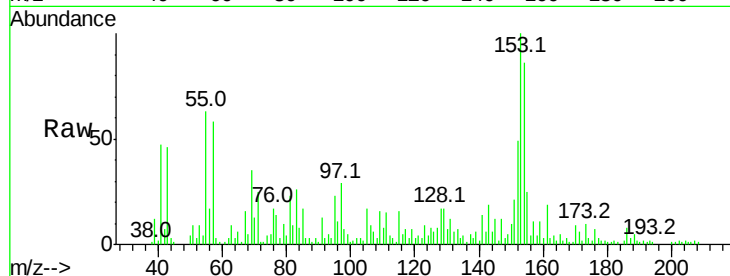
Tot Ion:154 Resp: 51583

Ion Ratio Lower Upper

154 100

153 116.6 90.5 135.7

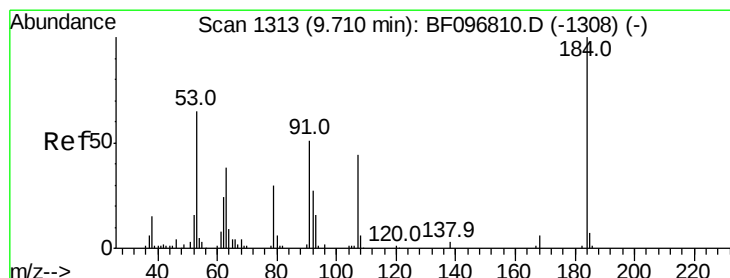
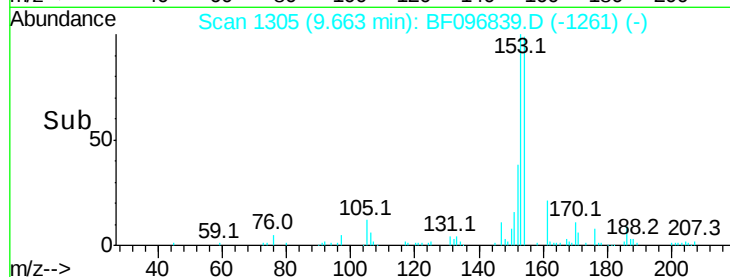
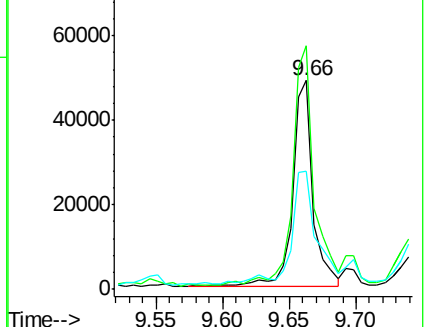
152 56.8 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.459 ng

RT: 9.85 min Scan# 1336

Delta R.T. 0.11 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

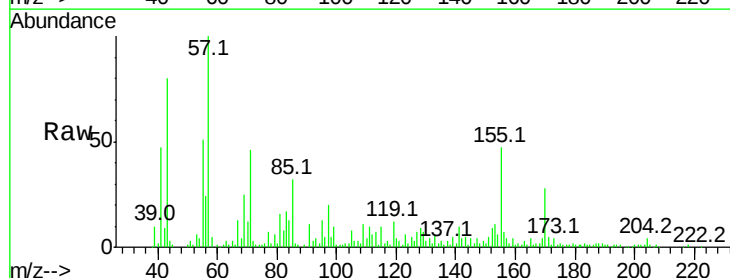
Tgt Ion:184 Resp: 1414

Ion Ratio Lower Upper

184 100

63 222.2 62.7 94.1#

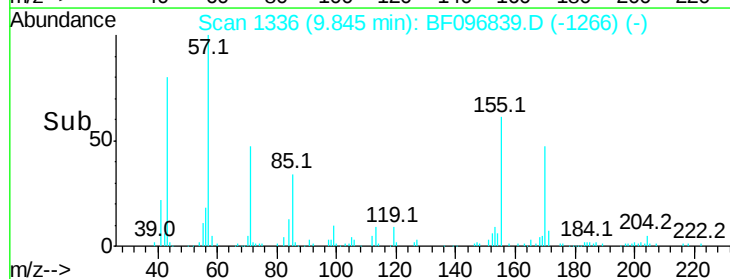
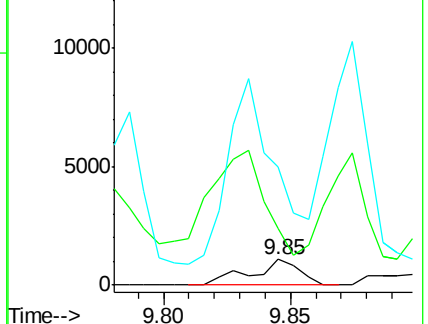
154 462.0 81.1 121.7#

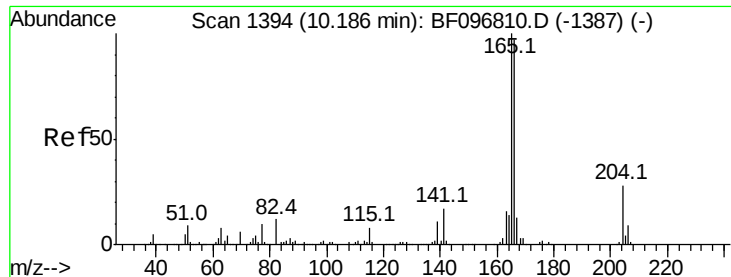


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: 6.867 ng

RT: 10.17 min Scan# 1392

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

NB-TWP07

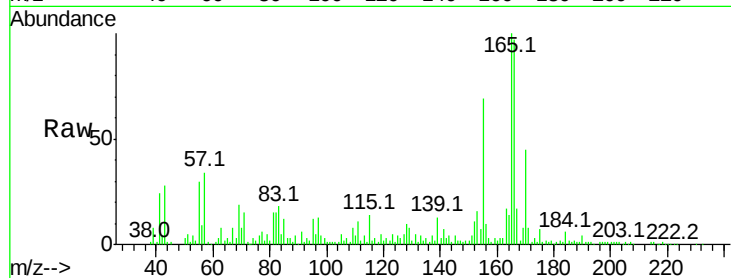
Tot Ion:166 Resp: 94374

Ion Ratio Lower Upper

166 100

165 102.6 78.8 118.2

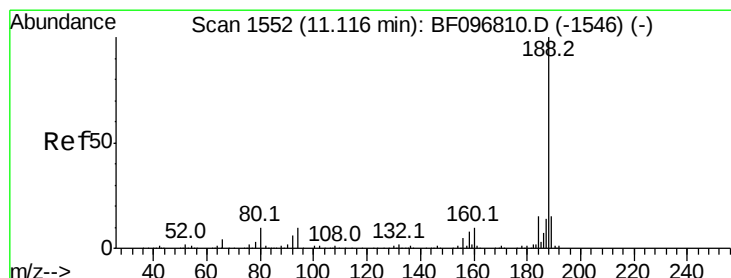
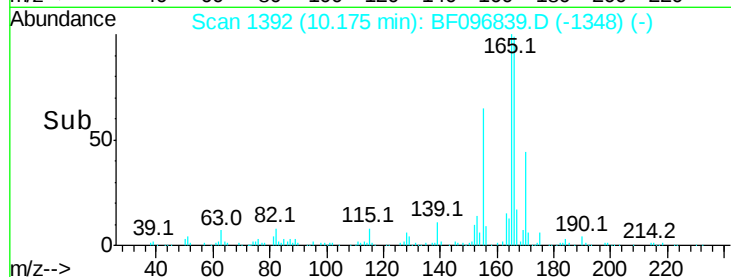
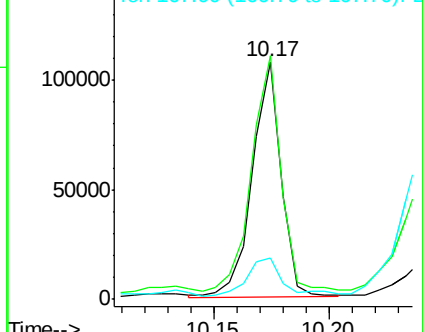
167 17.5 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1550

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

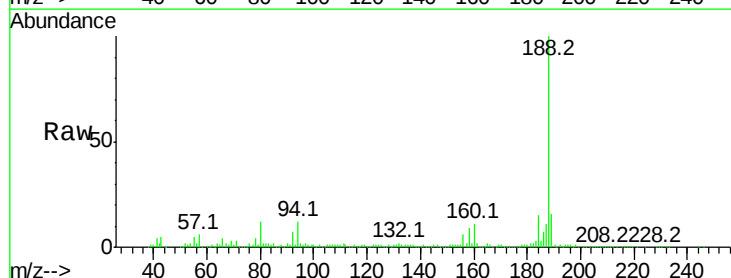
Tgt Ion:188 Resp: 385949

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

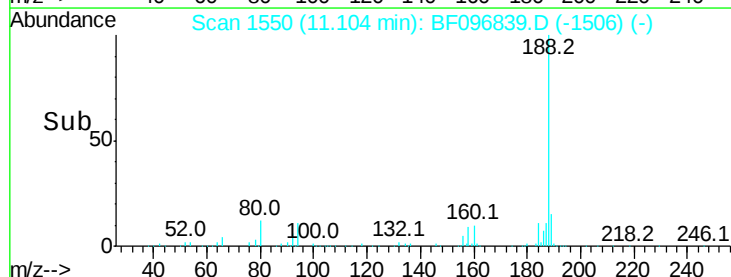
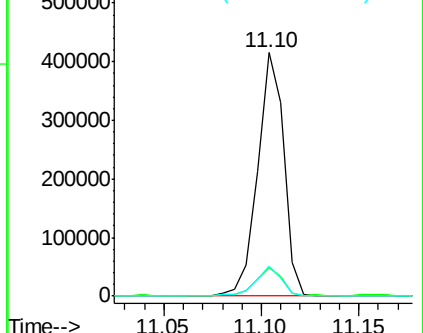
80 12.2 10.2 15.2

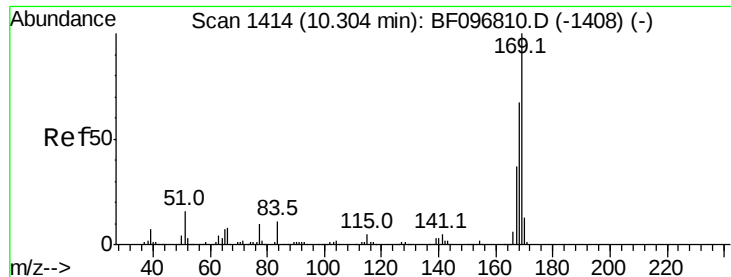


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.716 ng

RT: 10.22 min Scan# 1400

Delta R.T. -0.11 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

NB-TWP07

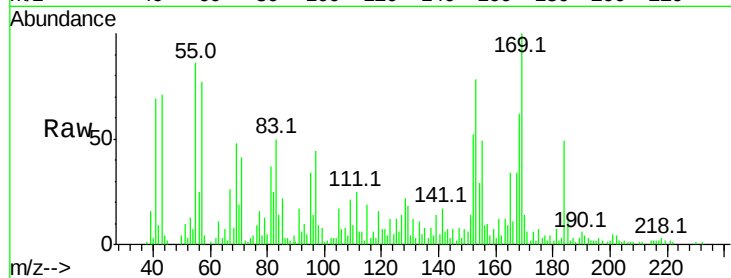
Tot Ion:169 Resp: 37464

Ion Ratio Lower Upper

169 100

168 61.9 53.2 79.8

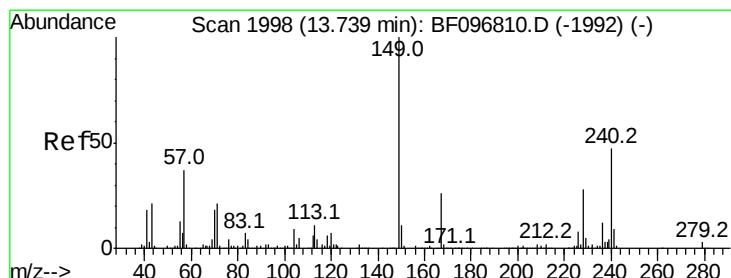
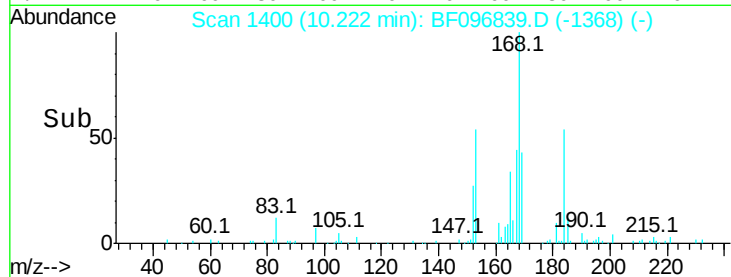
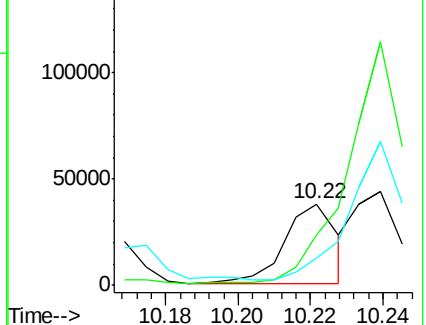
167 34.4 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.05 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

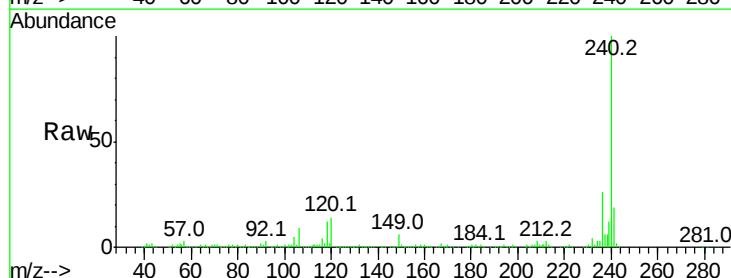
Tgt Ion:240 Resp: 329763

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

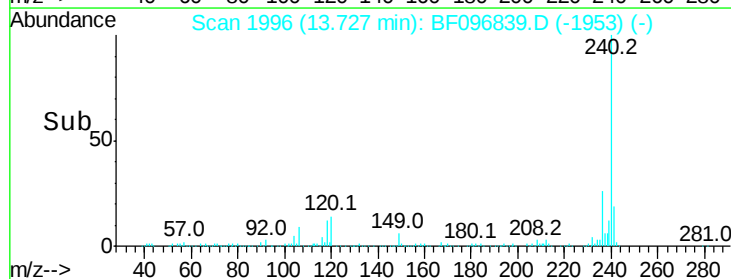
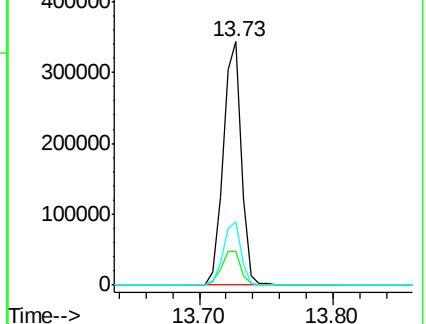
236 25.7 20.5 30.7

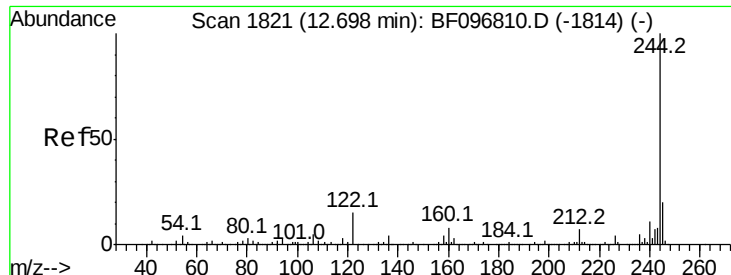


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 46.039 ng

RT: 12.69 min Scan# 1820

Delta R.T. -0.04 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

Instrument :

BNA_F

ClientSampled :

NB-TWP07

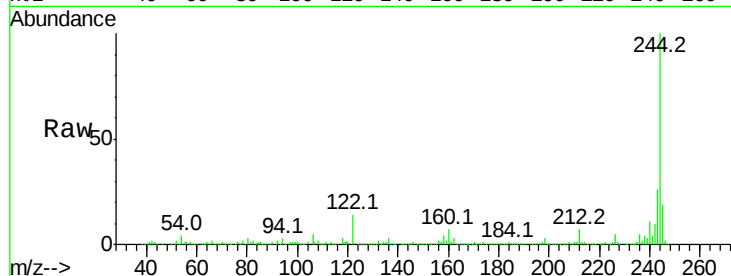
Tot Ion:244 Resp: 875406

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

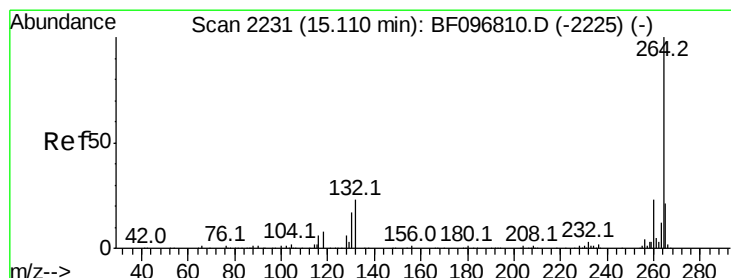
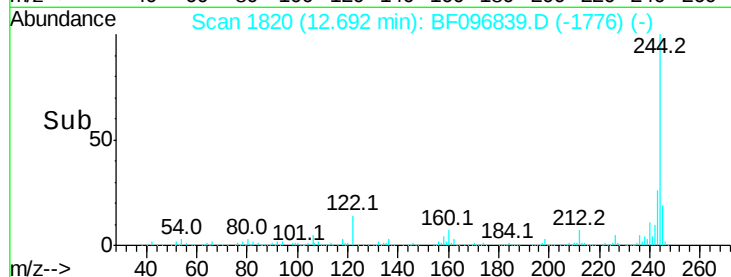
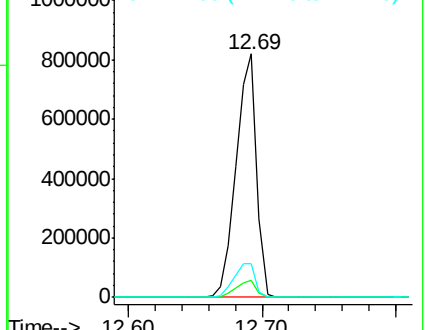
122 13.7 10.3 15.5



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: 20.000 ng

RT: 15.10 min Scan# 2229

Delta R.T. -0.06 min

Lab File: BF096839.D

Acq: 18 Jul 2017 11:11

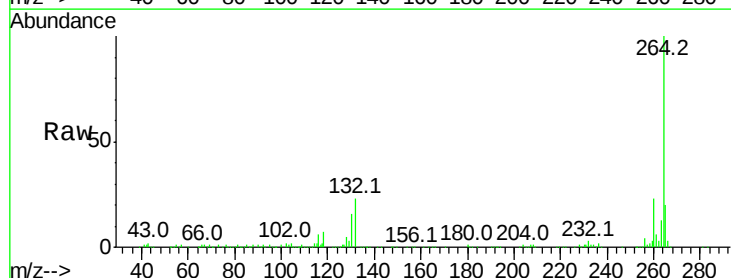
Tgt Ion:264 Resp: 223150

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 20.0 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

