

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
 Data File : BF093396.D
 Acq On : 4 Mar 2017 10:16
 Operator : SJ/MA
 Sample : I2056-13 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12B-23

Quant Time: Mar 06 00:52:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Mar 05 23:55:48 2017
 Response via : Initial Calibration

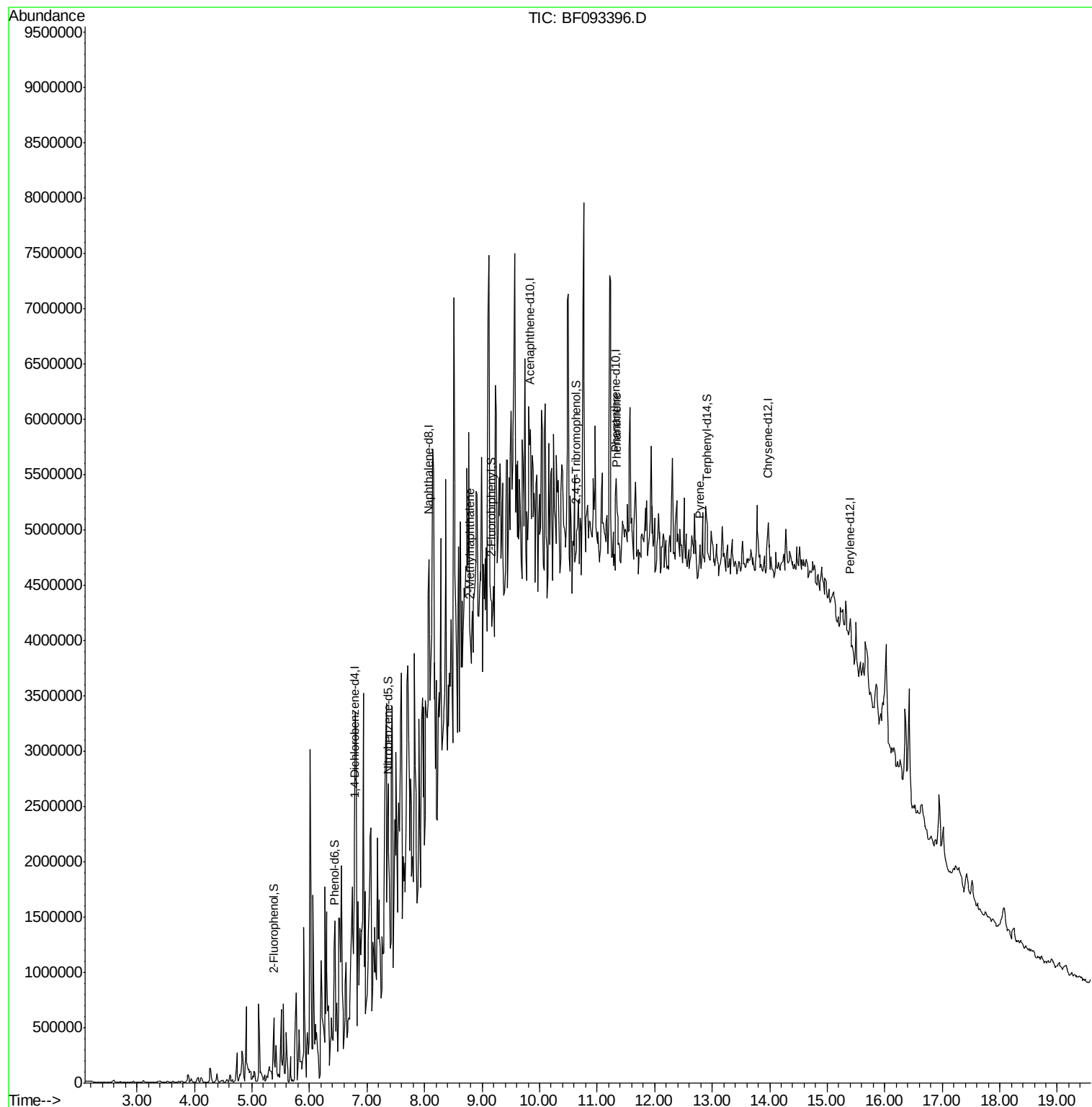
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	167454	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	513846	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	187103	20.00	ng	0.01
63) Phenanthrene-d10	11.32	188	267914	20.00	ng	0.01
75) Chrysene-d12	13.97	240	248433	20.00	ng	0.02
86) Perylene-d12	15.40	264	222526	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	239484	24.54	ng	0.01
7) Phenol-d6	6.43	99	324185	25.81	ng	-0.01
23) Nitrobenzene-d5	7.36	82	173017	18.75	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	31521	23.29	ng	0.02
44) 2-Fluorobiphenyl	9.16	172	258367	25.02	ng	0.01
78) Terphenyl-d14	12.91	244	146239	13.83	ng	0.02
Target Compounds						
37) 2-Methylnaphthalene	8.80	142	241496	14.44	ng	Qvalue 96
70) Phenanthrene	11.34	178	292149	19.03	ng	# 88
77) Pyrene	12.77	202	73247	3.94	ng	# 76

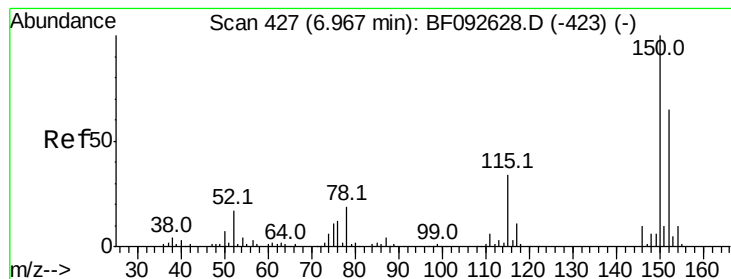
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

Instrument :

BNA_F

ClientSampleId :

12B-23

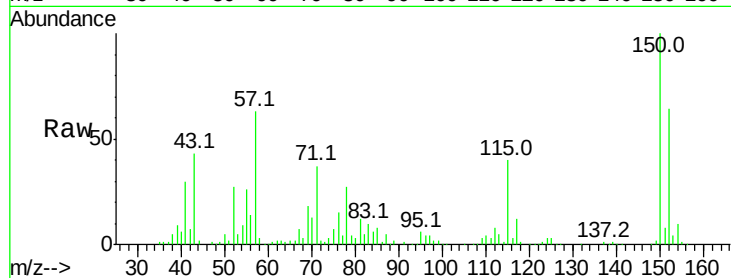
Tot Ion:152 Resp: 167454

Ion Ratio Lower Upper

152 100

150 155.4 124.9 187.3

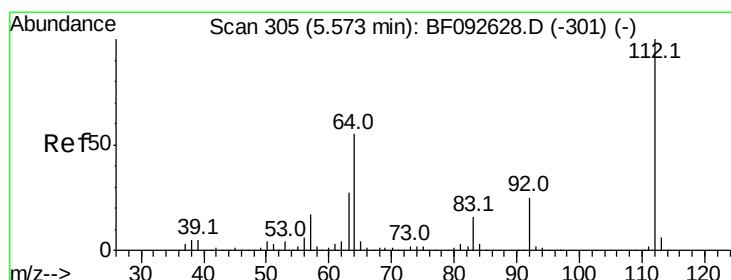
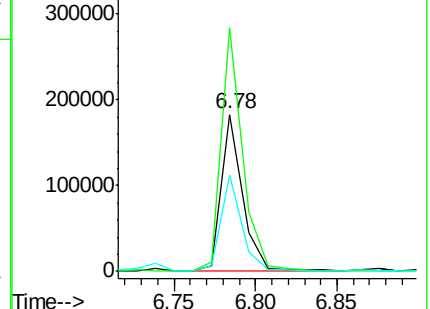
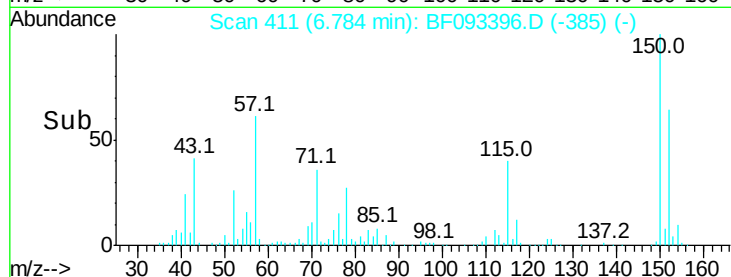
115 61.6 46.0 69.0



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: 24.54 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

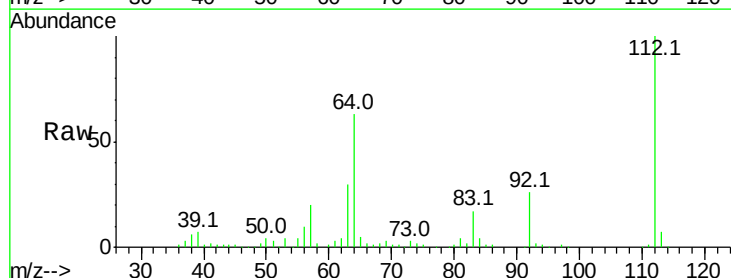
Tgt Ion:112 Resp: 239484

Ion Ratio Lower Upper

112 100

64 63.2 46.1 69.1

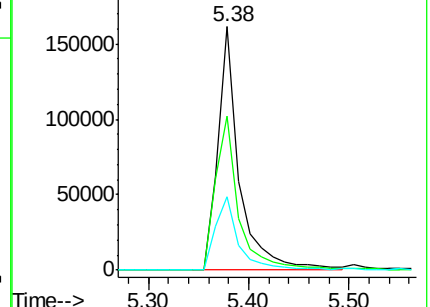
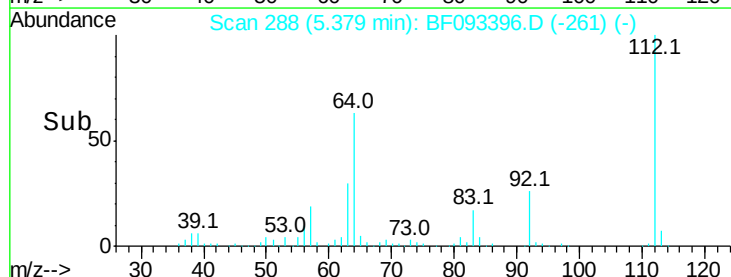
63 30.0 23.8 35.6

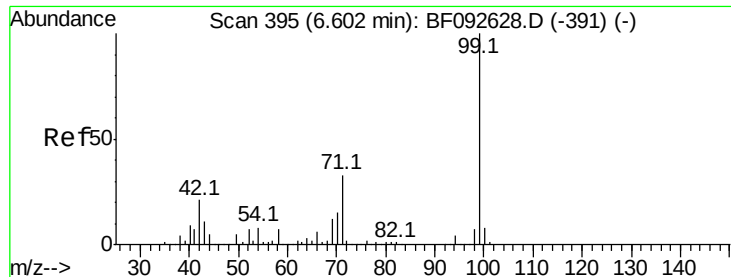


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.81 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

Instrument :

BNA_F

ClientSampleId :

12B-23

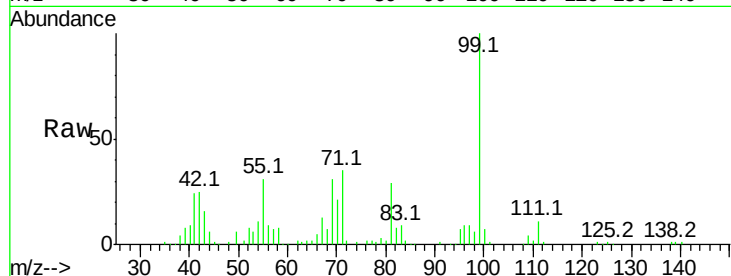
Tot Ion: 99 Resp: 324185

Ion Ratio Lower Upper

99 100

42 24.7 15.6 23.4#

71 35.2 27.5 41.3

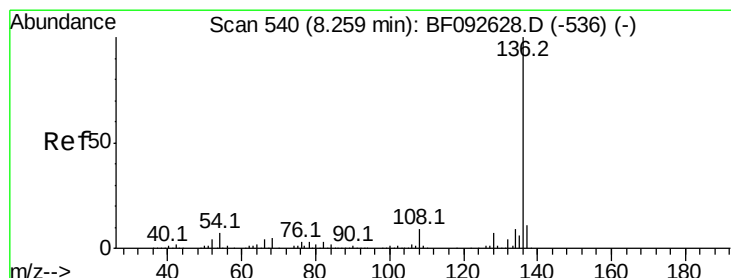
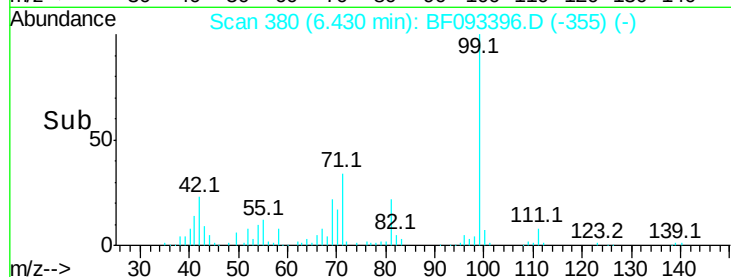
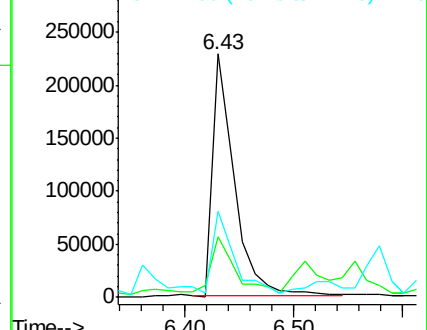


Abundance

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: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.00 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

Tgt Ion: 136 Resp: 513846

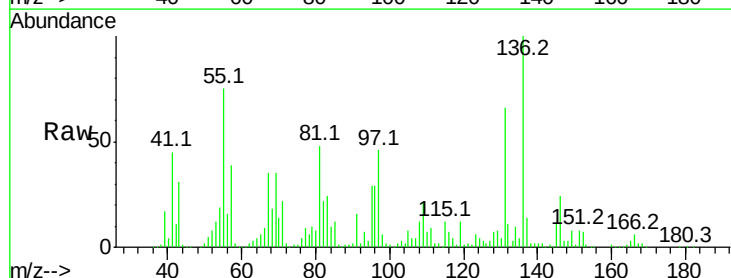
Ion Ratio Lower Upper

136 100

137 14.4 8.4 12.6#

54 19.3 4.5 6.7#

68 17.5 3.6 5.4#



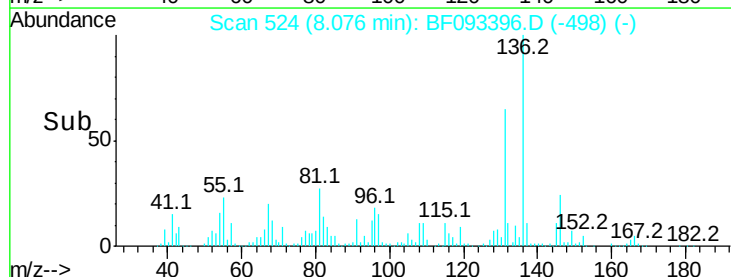
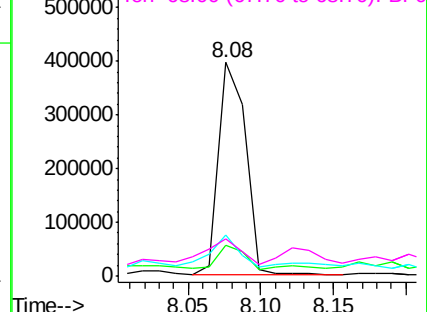
Abundance

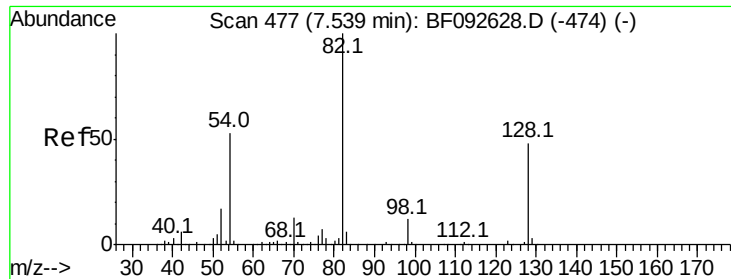
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

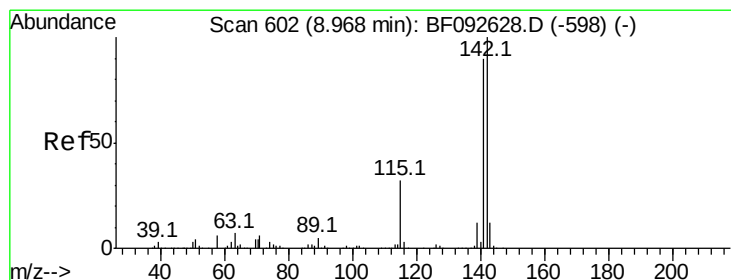
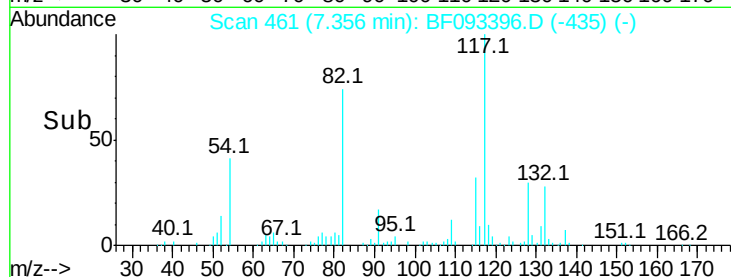
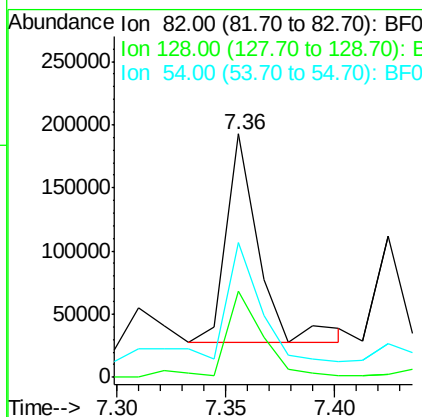
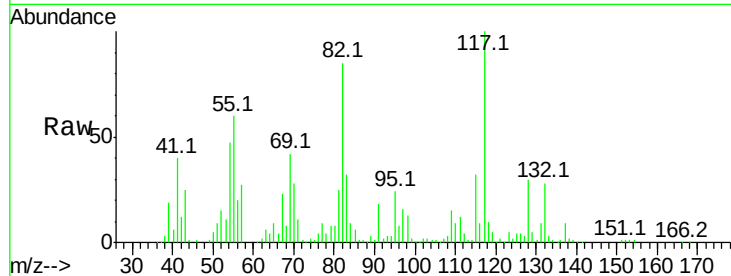




#23
Nitrobenzene-d5
Concen: 18.75 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.00 min
Lab File: BF093396.D
Acq: 4 Mar 2017 10:16

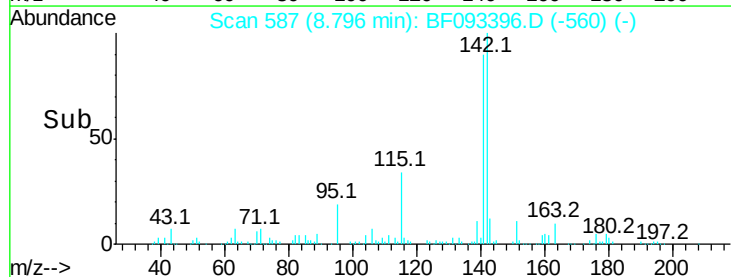
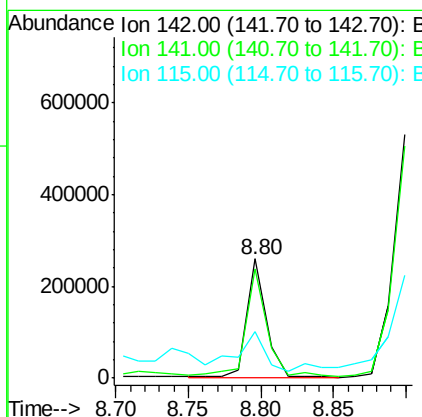
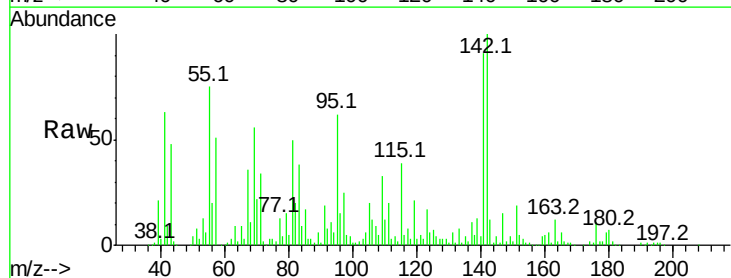
Instrument :
BNA_F
ClientSampled :
12B-23

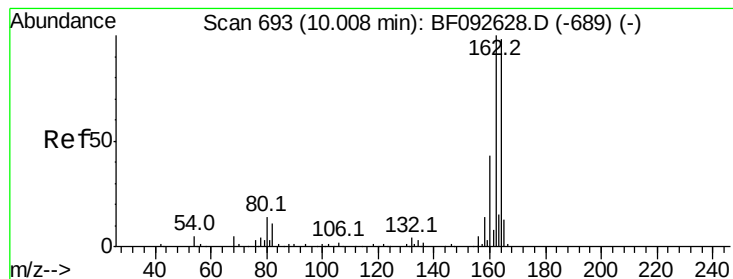
Tot Ion: 82 Resp: 173017
Ion Ratio Lower Upper
82 100
128 35.2 34.6 52.0
54 55.5 39.5 59.3



#37
2-Methylnaphthalene
Concen: 14.44 ng
RT: 8.80 min Scan# 587
Delta R.T. 0.01 min
Lab File: BF093396.D
Acq: 4 Mar 2017 10:16

Tgt Ion:142 Resp: 241496
Ion Ratio Lower Upper
142 100
141 91.0 71.0 106.6
115 39.1 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.01 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

Instrument :

BNA_F

ClientSampleId :

12B-23

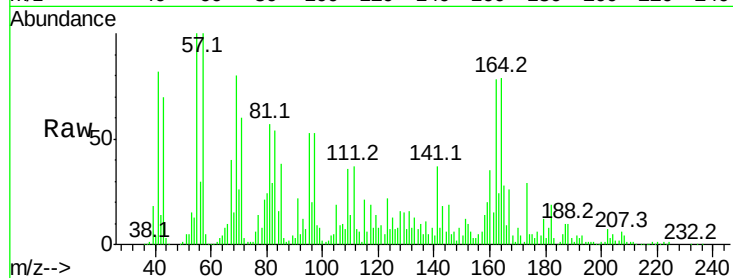
Tot Ion:164 Resp: 187103

Ion Ratio Lower Upper

164 100

162 98.5 80.2 120.2

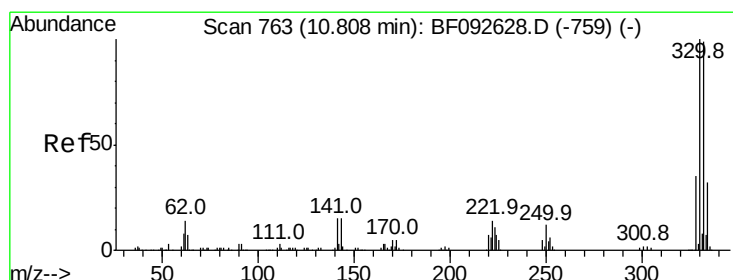
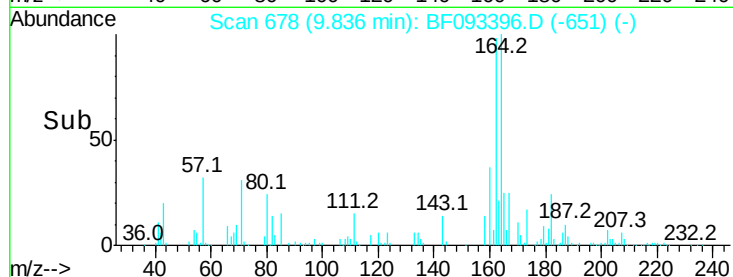
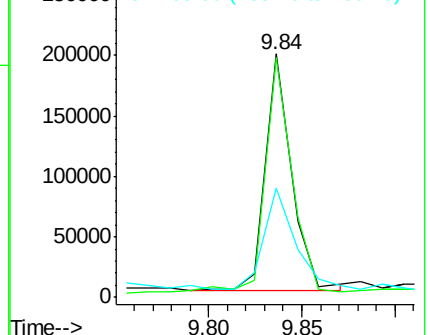
160 44.9 36.9 55.3



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: 23.29 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.02 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

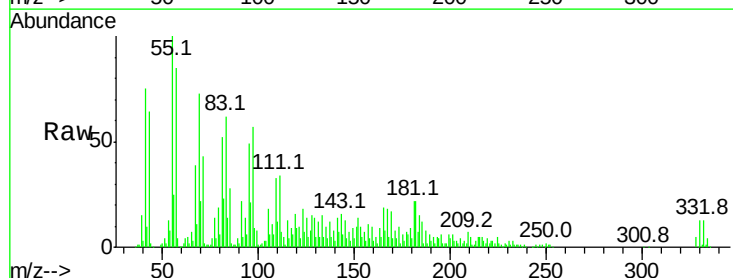
Tgt Ion:330 Resp: 31521

Ion Ratio Lower Upper

330 100

332 99.0 77.4 116.2

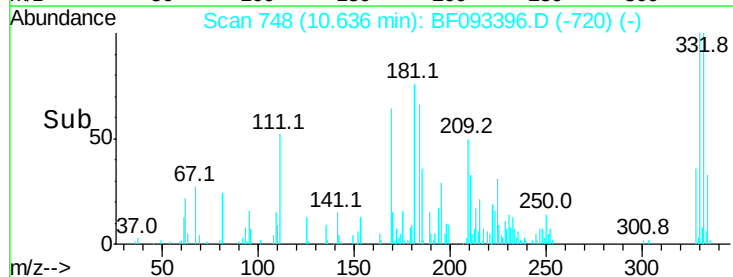
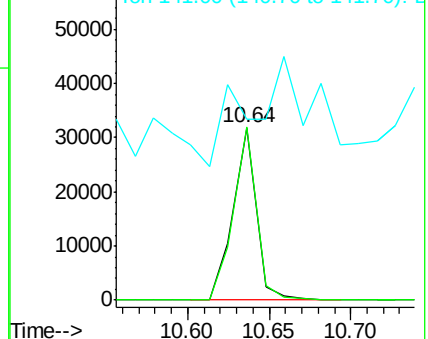
141 0.0 34.1 51.1#

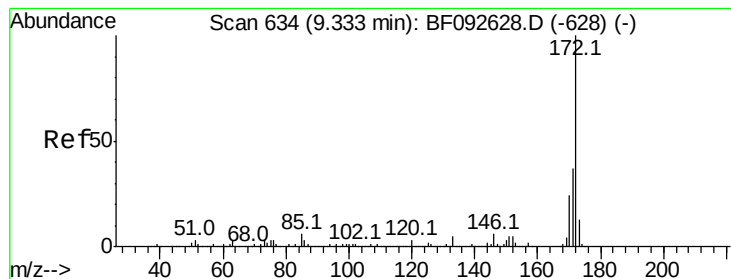


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 25.02 ng

RT: 9.16 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

Instrument :

BNA_F

ClientSampleId :

12B-23

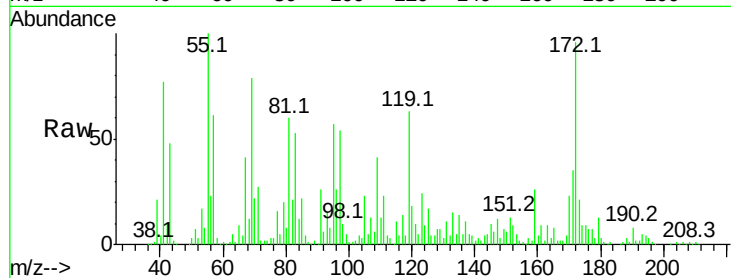
Tot Ion:172 Resp: 258367

Ion Ratio Lower Upper

172 100

171 36.4 29.4 44.0

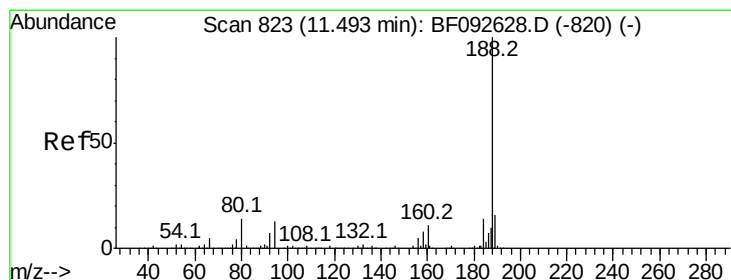
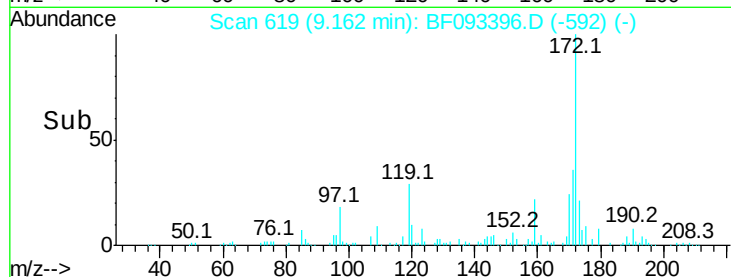
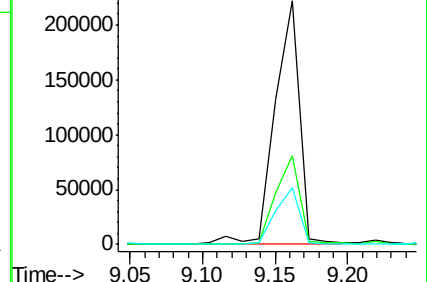
170 23.5 20.2 30.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.01 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

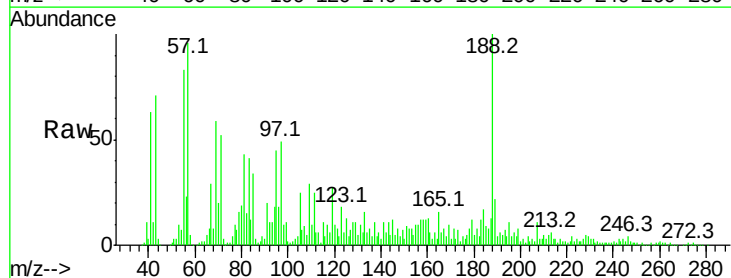
Tgt Ion:188 Resp: 267914

Ion Ratio Lower Upper

188 100

94 17.7 10.0 15.0#

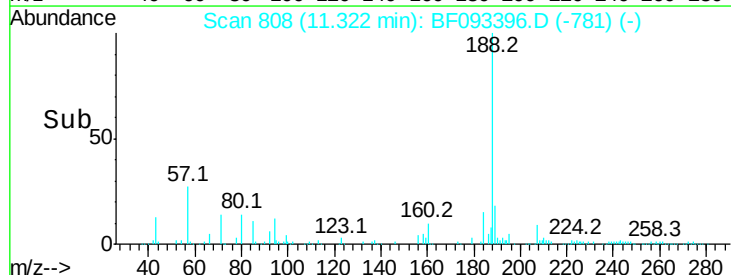
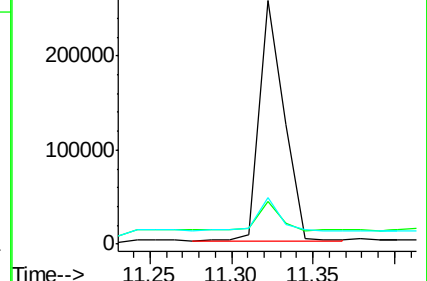
80 19.2 11.2 16.8#

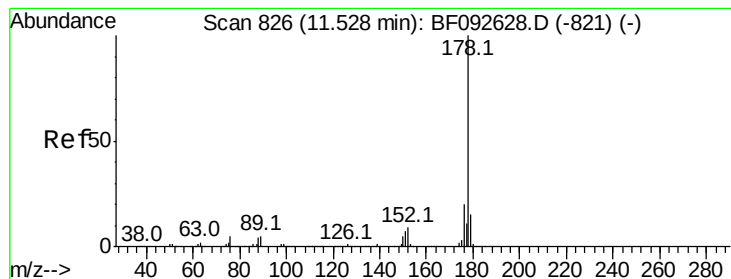


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 19.03 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.01 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

Instrument :

BNA_F

ClientSampleId :

12B-23

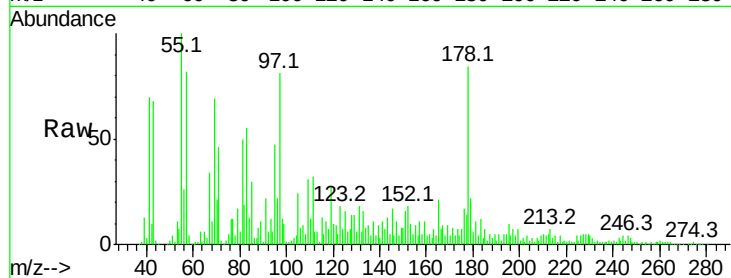
Tot Ion:178 Resp: 292149

Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

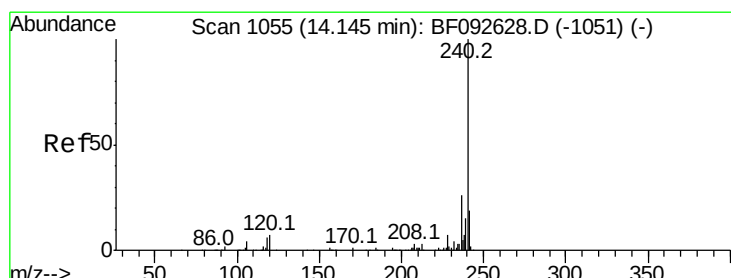
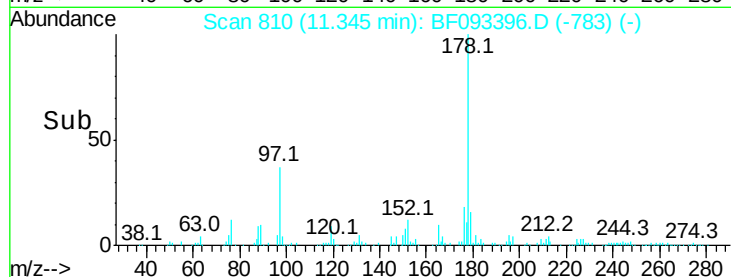
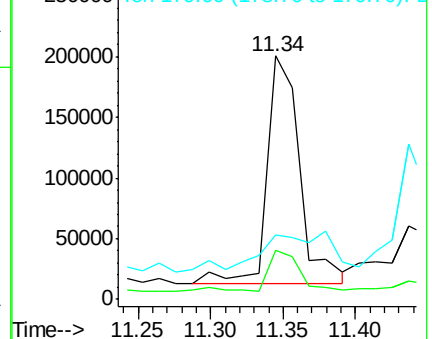
179 26.5 12.8 19.2#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.02 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

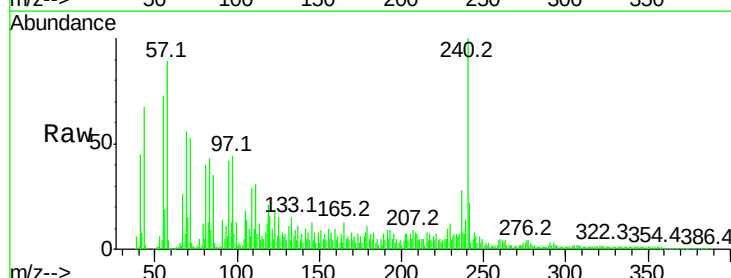
Tgt Ion:240 Resp: 248433

Ion Ratio Lower Upper

240 100

120 16.3 12.9 19.3

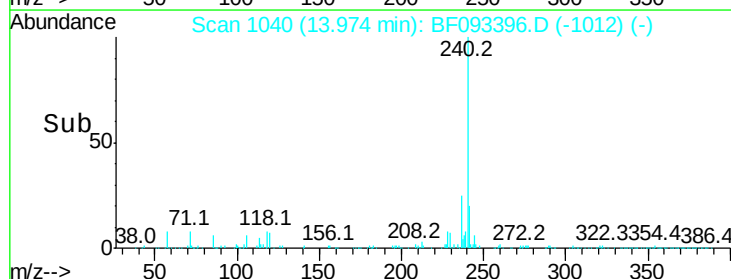
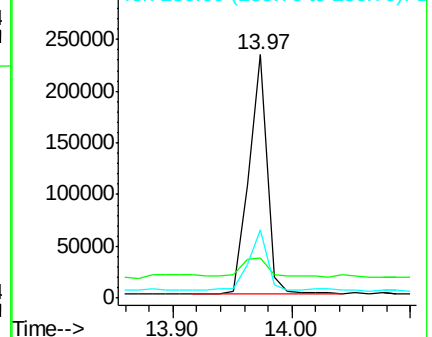
236 28.2 20.9 31.3

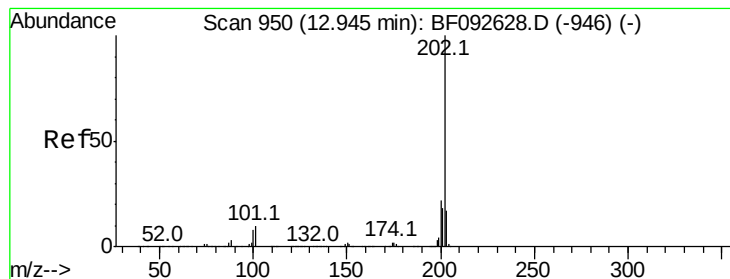


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.94 ng

RT: 12.77 min Scan# 935

Delta R.T. 0.02 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

Instrument :

BNA_F

ClientSampleId :

12B-23

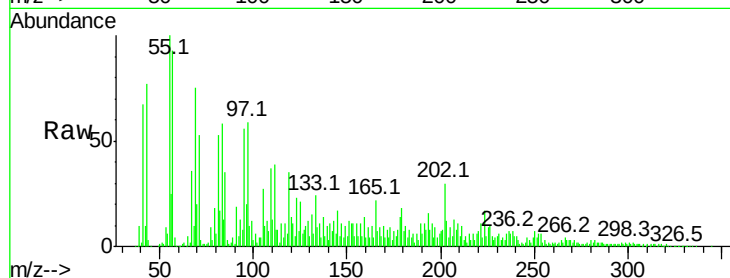
Tot Ion:202 Resp: 73247

Ion Ratio Lower Upper

202 100

200 23.6 17.7 26.5

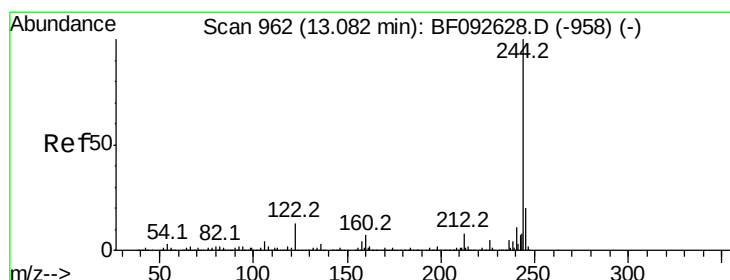
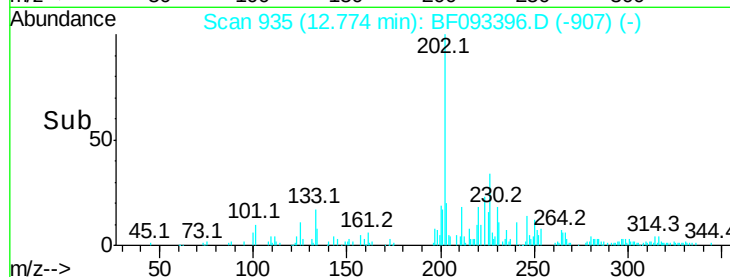
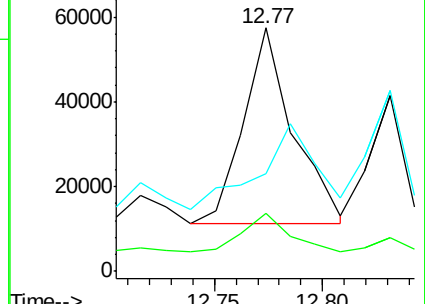
203 40.0 14.7 22.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 13.83 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.02 min

Lab File: BF093396.D

Acq: 4 Mar 2017 10:16

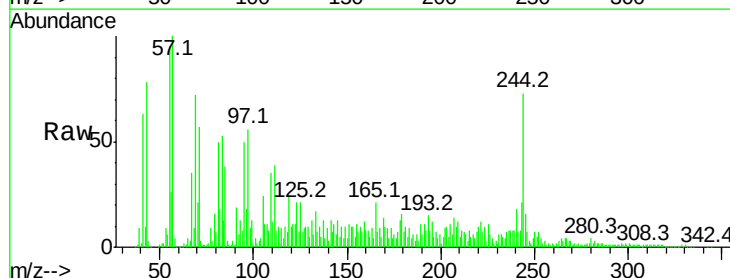
Tgt Ion:244 Resp: 146239

Ion Ratio Lower Upper

244 100

212 9.7 6.2 9.2#

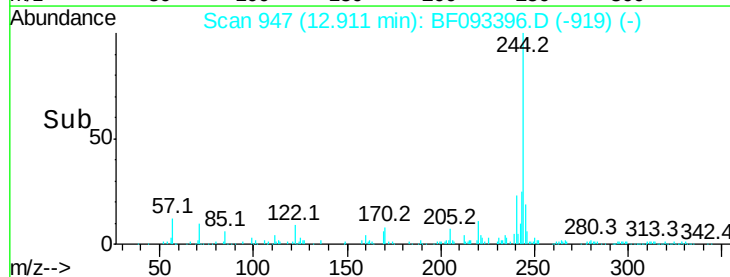
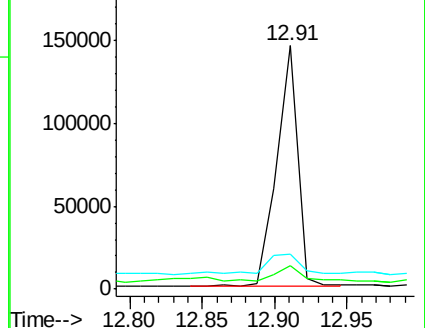
122 14.5 11.4 17.2

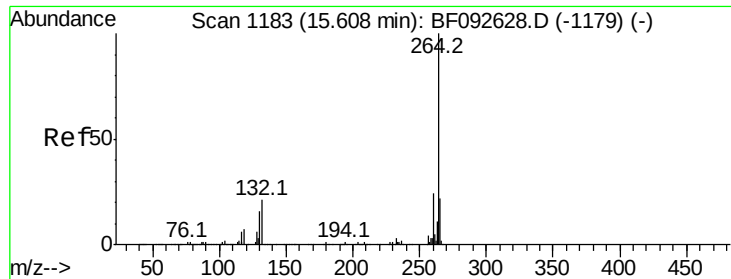


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. 0.05 min
Lab File: BF093396.D
Acq: 4 Mar 2017 10:16

Instrument :
BNA_F
ClientSampleId :
12B-23

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.5	17.4	26.0

