

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
 Data File : BF091263.D
 Acq On : 22 Nov 2016 00:59
 Operator : UM/SJ
 Sample : H5711-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1050-410-NEWYORKDL

Quant Time: Nov 22 02:33:16 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 00:44:52 2016
 Response via : Initial Calibration

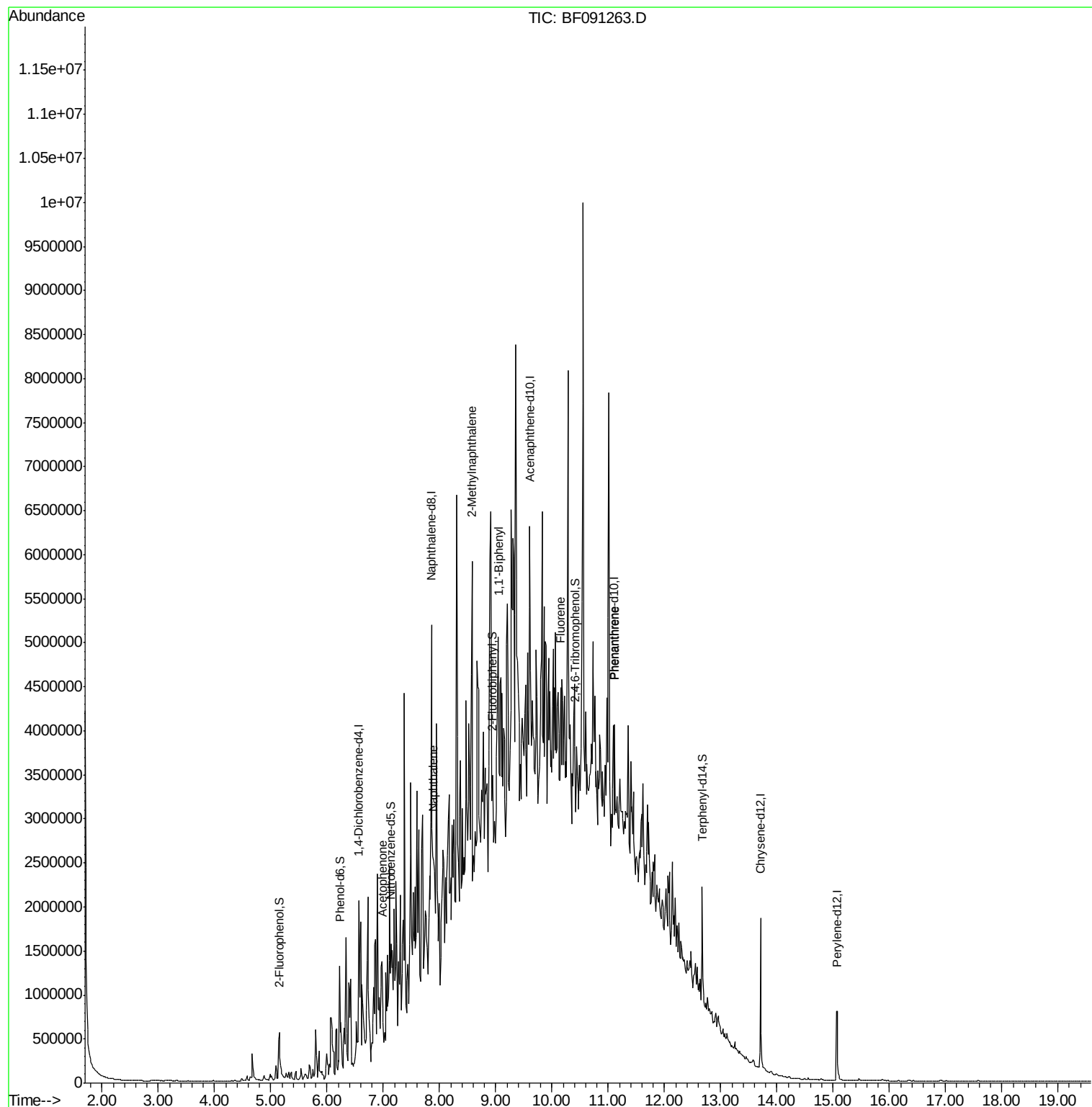
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	248268	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	703322	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	346127	20.00	ng	0.00
63) Phenanthrene-d10	11.09	188	600192	20.00	ng	0.01
75) Chrysene-d12	13.71	240	626423	20.00	ng	0.00
86) Perylene-d12	15.07	264	489558	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	329036	22.03	ng	0.01
7) Phenol-d6	6.22	99	457940	25.64	ng	-0.01
23) Nitrobenzene-d5	7.14	82	293630	23.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	68024	21.05	ng	0.01
44) 2-Fluorobiphenyl	8.94	172	427228	21.56	ng	0.00
78) Terphenyl-d14	12.67	244	405094	14.66	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	6.98	105	251933	15.03	ng	# 50
31) Naphthalene	7.88	128	482172	14.67	ng	# 97
37) 2-Methylnaphthalene	8.58	142	1058098	48.02	ng	# 97
45) 1,1'-Biphenyl	9.05	154	246125	9.32	ng	# 95
57) Fluorene	10.16	166	204095	9.88	ng	# 78
70) Phenanthrene	11.12	178	395262	12.53	ng	# 95

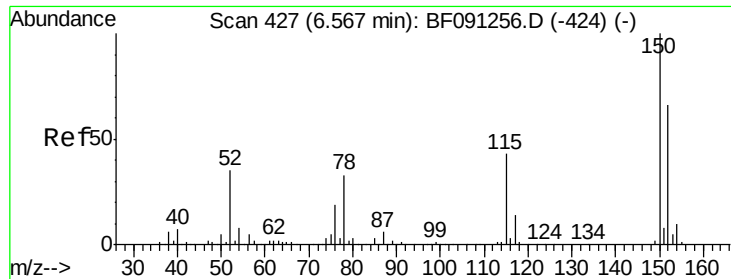
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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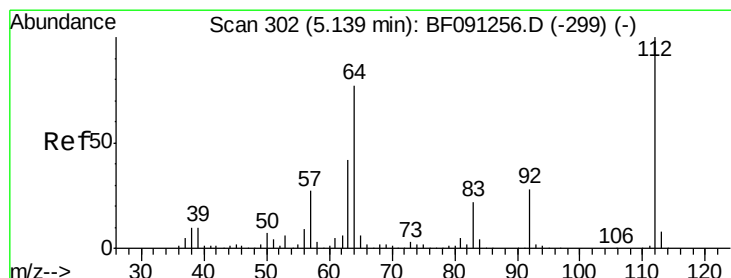
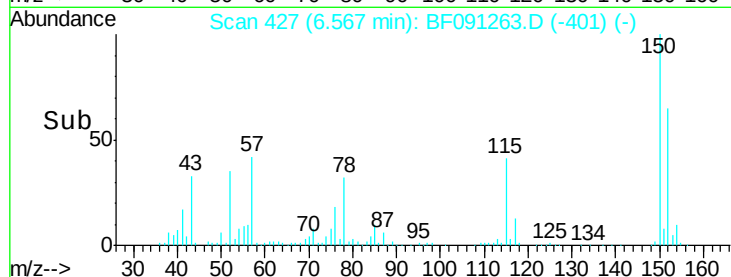
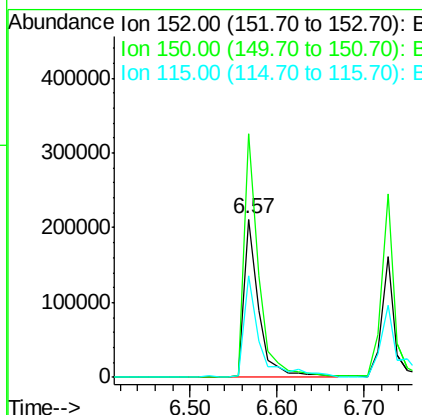
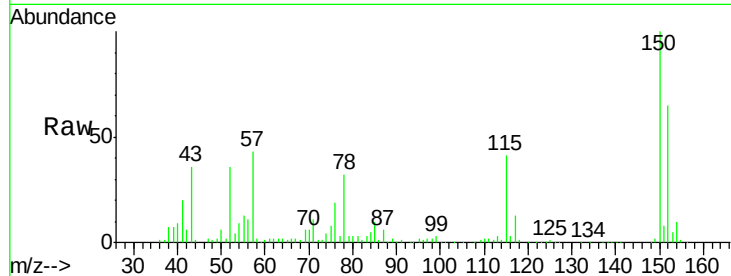


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF091263.D
Acq: 22 Nov 2016 00:59

Instrument :
BNA_F
ClientSampleId :
1050-410-NEWYORKDL

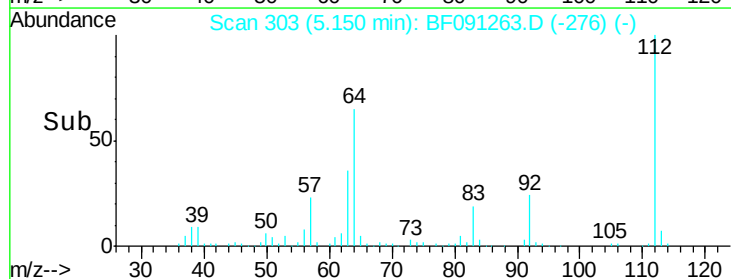
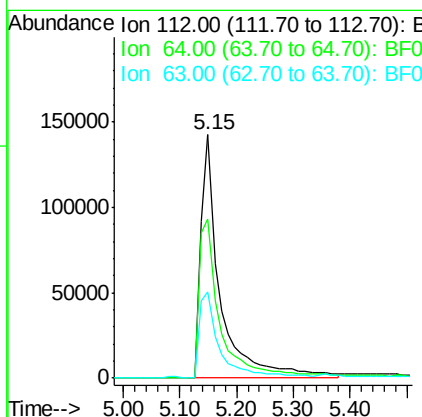
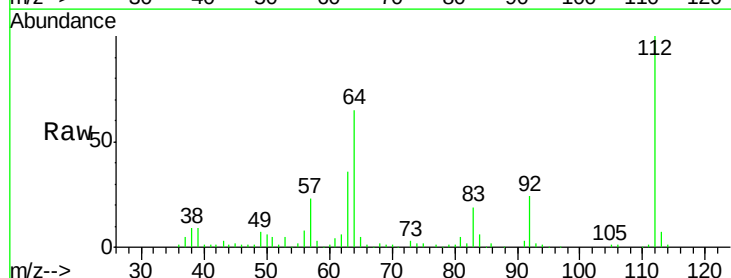
Tot Ion:152 Resp: 248268
Ion Ratio Lower Upper
152 100
150 154.1 122.5 183.7
115 63.9 51.8 77.8

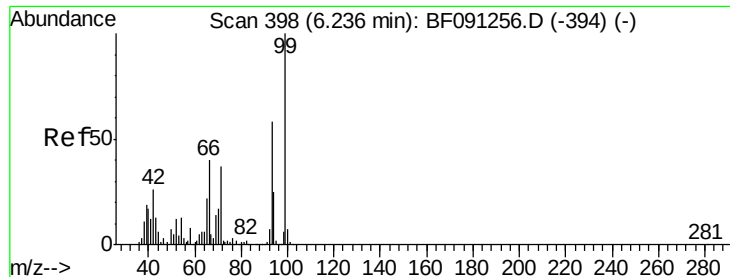


#5

2-Fluorophenol
Concen: 22.03 ng
RT: 5.15 min Scan# 303
Delta R.T. 0.01 min
Lab File: BF091263.D
Acq: 22 Nov 2016 00:59

Tgt Ion:112 Resp: 329036
Ion Ratio Lower Upper
112 100
64 65.4 61.5 92.3
63 35.6 33.3 49.9





#7

Phenol-d6

Concen: 25.64 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

Instrument :

BNA_F

ClientSampleId :

1050-410-NEWYORKDL

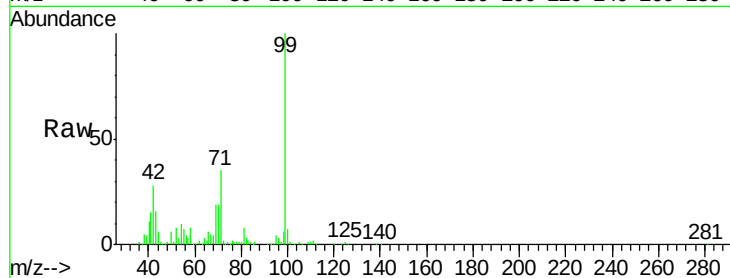
Tot Ion: 99 Resp: 457940

Ion Ratio Lower Upper

99 100

42 27.6 20.6 31.0

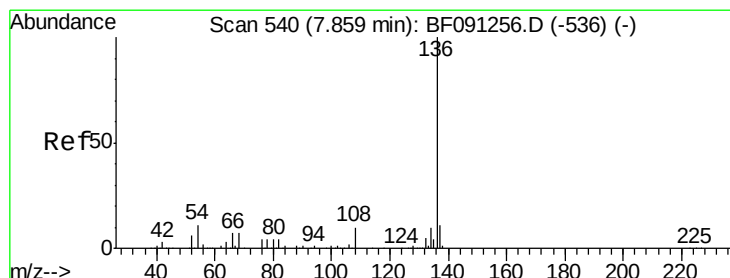
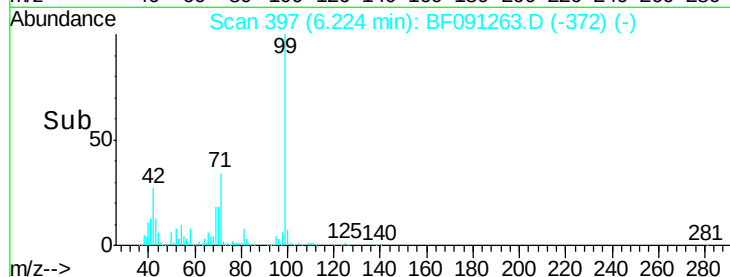
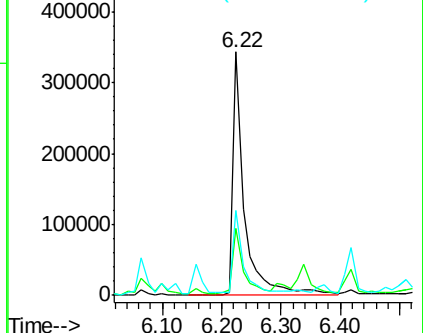
71 34.8 29.9 44.9



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: 7.86 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

Tgt Ion: 136 Resp: 703322

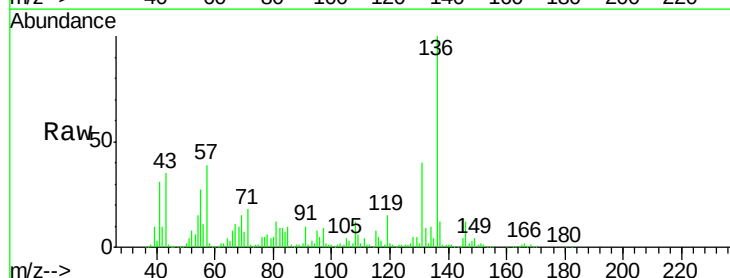
Ion Ratio Lower Upper

136 100

137 12.0 9.1 13.7

54 14.9 9.1 13.7#

68 10.4 5.9 8.9#

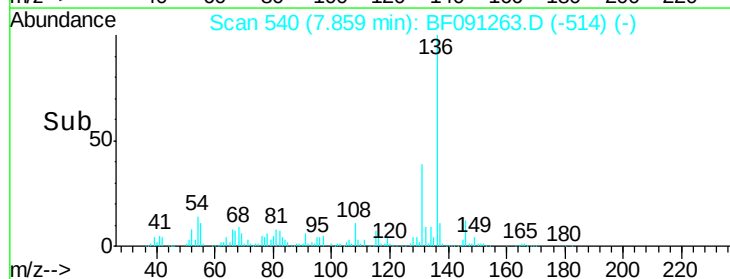
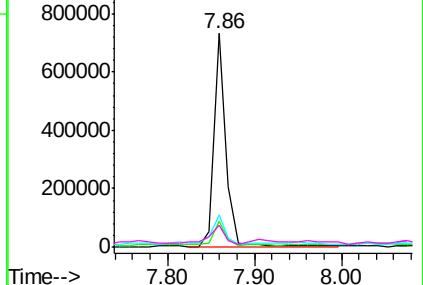


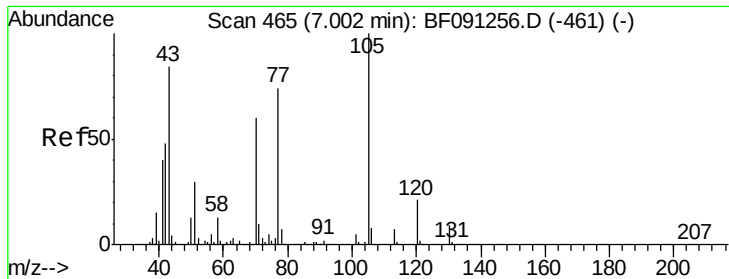
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 15.03 ng

RT: 6.98 min Scan# 463

Delta R.T. -0.02 min

Lab File: BF091263.D

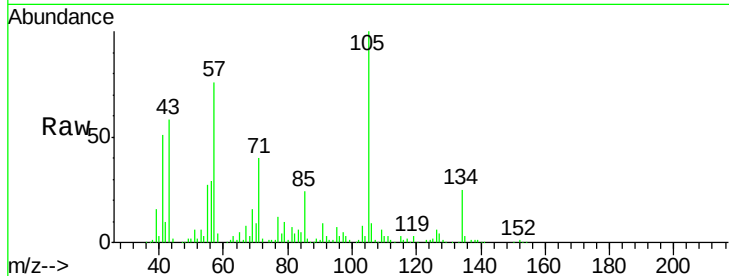
Acq: 22 Nov 2016 00:59

Instrument :

BNA_F

ClientSampleId :

1050-410-NEWYORKDL



Tot Ion:105 Resp: 251933

Ion Ratio Lower Upper

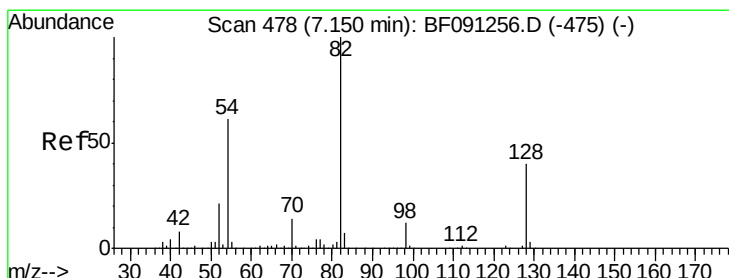
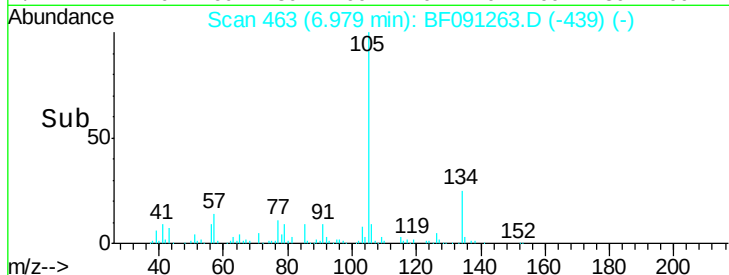
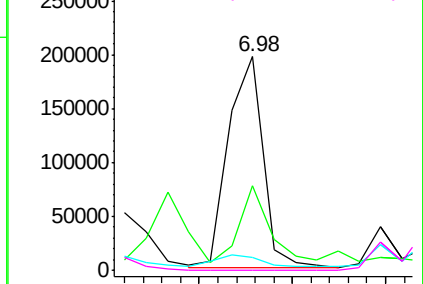
105 100

71 39.7 7.9 11.9#

51 6.0 24.5 36.7#

120 0.3 16.6 24.8#

Abundance Ion 105.00 (104.70 to 105.70): E



#23

Nitrobenzene-d5

Concen: 23.02 ng

RT: 7.14 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

Tgt Ion: 82 Resp: 293630

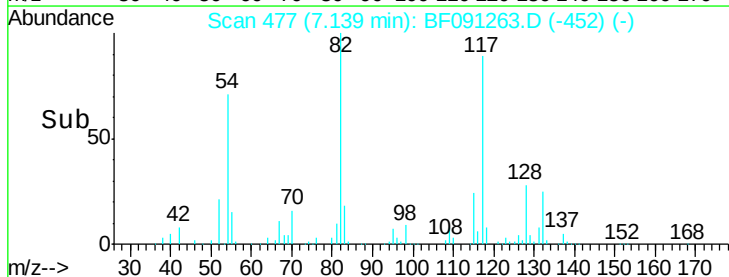
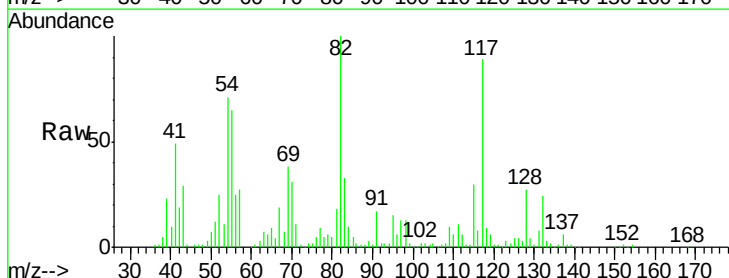
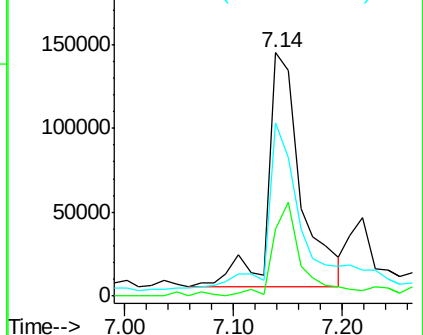
Ion Ratio Lower Upper

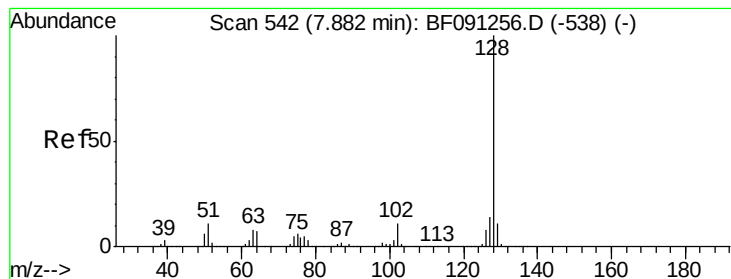
82 100

128 27.3 31.8 47.6#

54 71.2 49.1 73.7

Abundance Ion 82.00 (81.70 to 82.70): BF0





#31

Naphthalene

Concen: 14.67 ng

RT: 7.88 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

Instrument :

BNA_F

ClientSampleId :

1050-410-NEWYORKDL

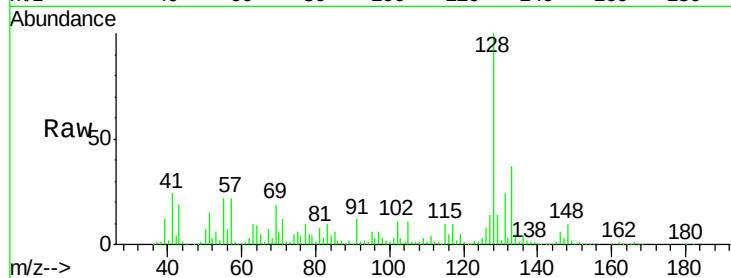
Tot Ion:128 Resp: 482172

Ion Ratio Lower Upper

128 100

129 14.1 9.1 13.7#

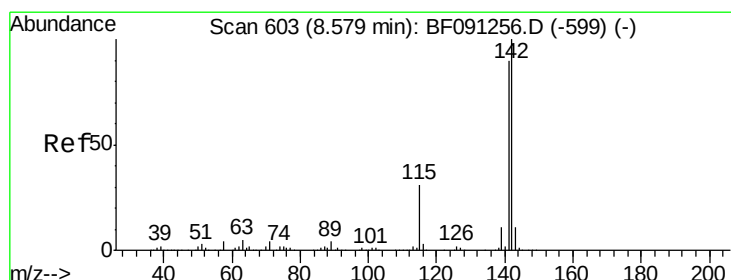
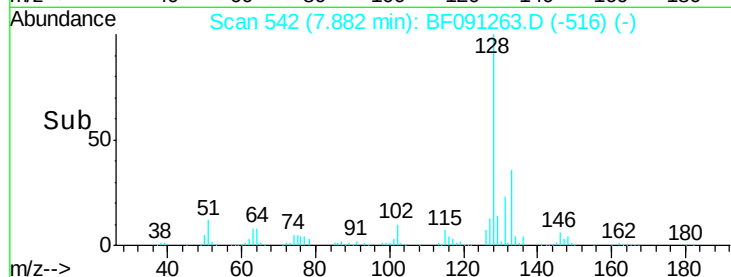
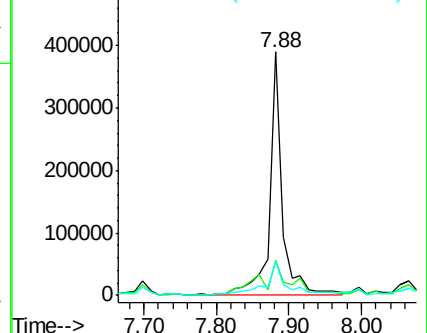
127 13.9 11.0 16.4



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



#37

2-Methylnaphthalene

Concen: 48.02 ng

RT: 8.58 min Scan# 603

Delta R.T. -0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

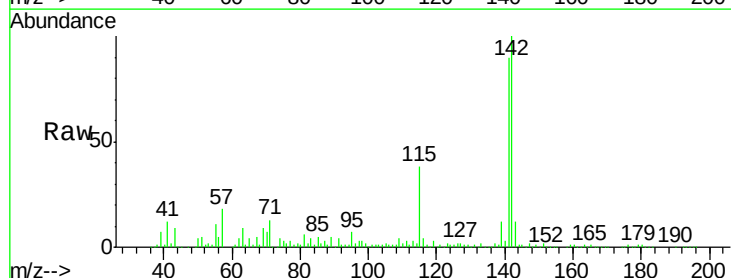
Tgt Ion:142 Resp: 1058098

Ion Ratio Lower Upper

142 100

141 90.0 71.7 107.5

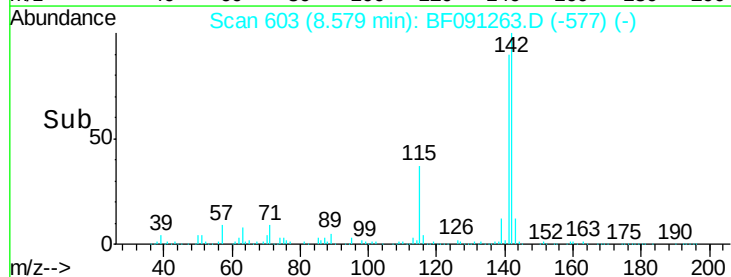
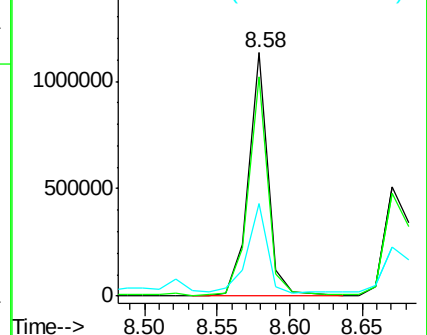
115 37.8 25.0 37.6#

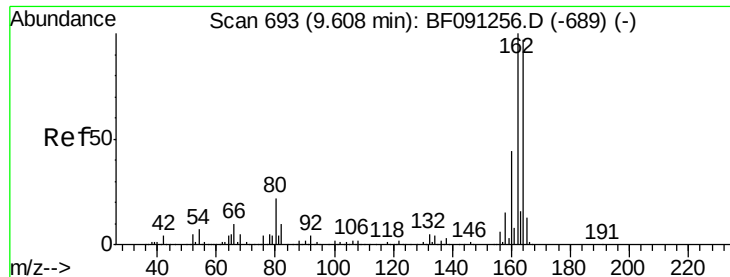


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

Instrument :

BNA_F

ClientSampleId :

1050-410-NEWYORKDL

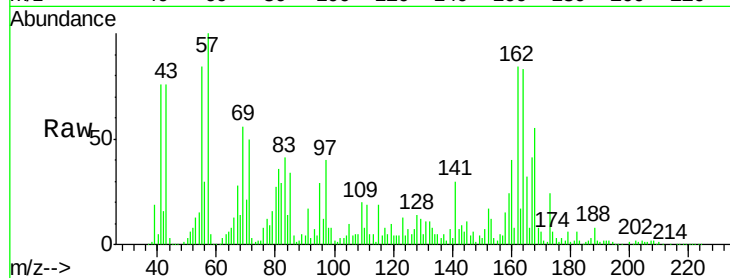
Tot Ion:164 Resp: 346127

Ion Ratio Lower Upper

164 100

162 100.8 82.6 124.0

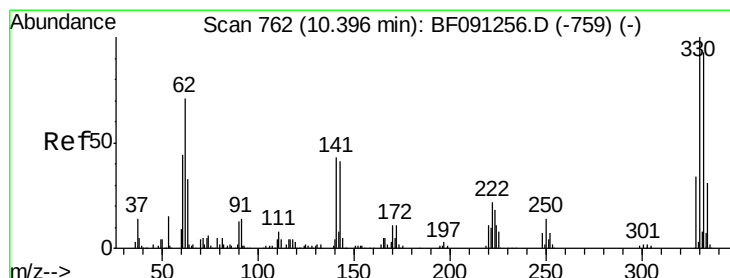
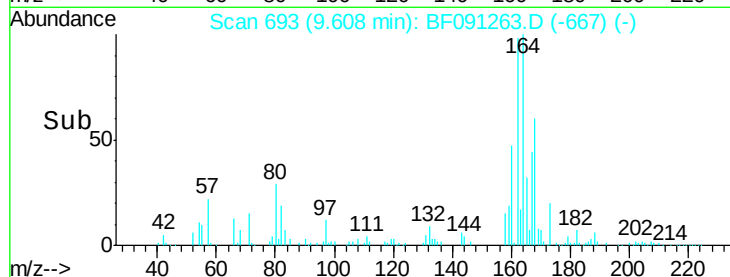
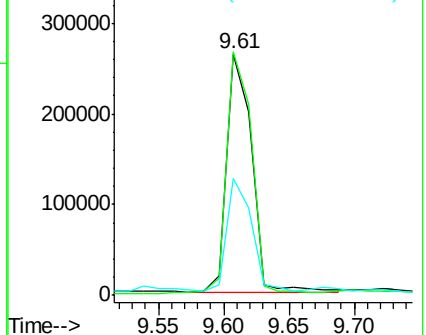
160 48.2 36.7 55.1



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: 21.05 ng

RT: 10.41 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

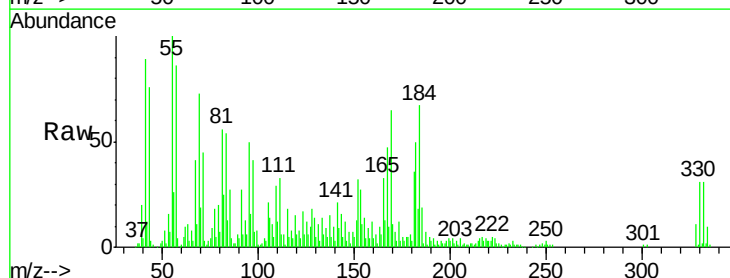
Tgt Ion:330 Resp: 68024

Ion Ratio Lower Upper

330 100

332 97.3 76.2 114.4

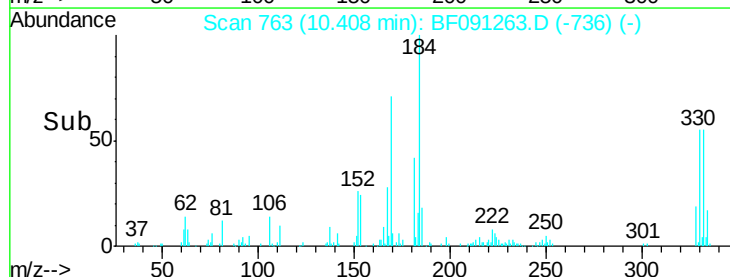
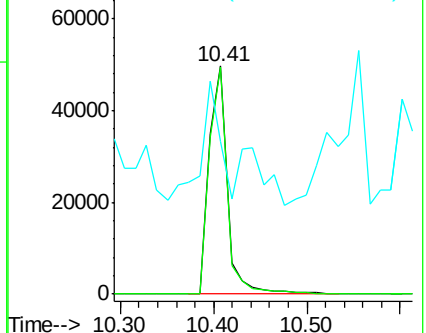
141 52.1 33.6 50.4#

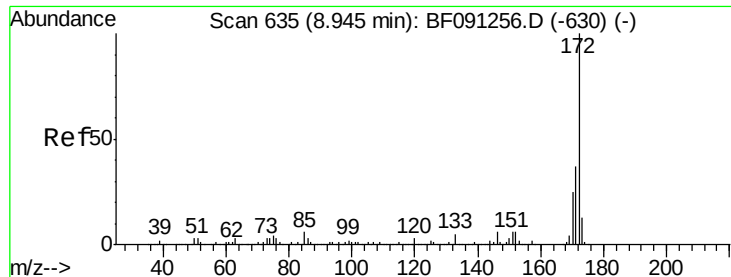


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 21.56 ng

RT: 8.94 min Scan# 635

Delta R.T. 0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

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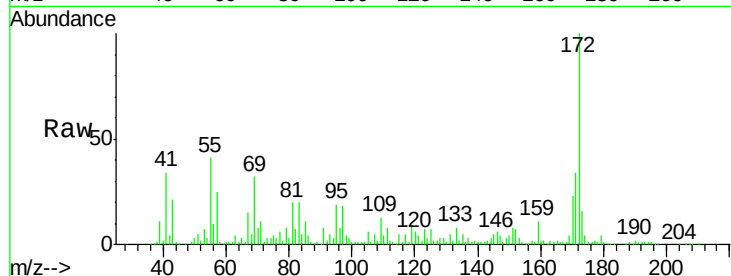
Tot Ion:172 Resp: 427228

Ion Ratio Lower Upper

172 100

171 34.4 29.4 44.0

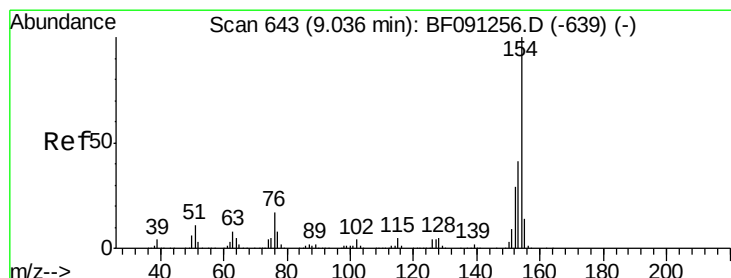
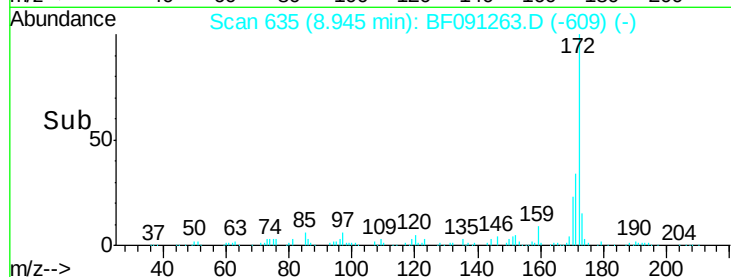
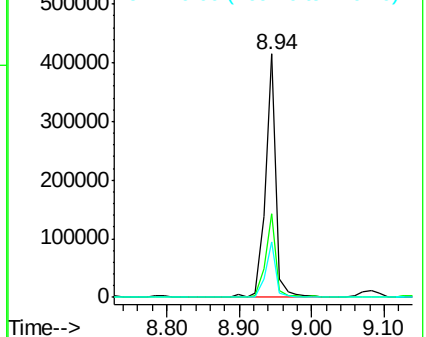
170 22.9 19.7 29.5



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



#45

1,1'-Biphenyl

Concen: 9.32 ng

RT: 9.05 min Scan# 644

Delta R.T. 0.01 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

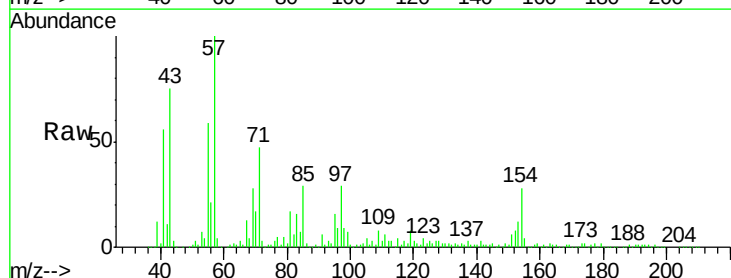
Tgt Ion:154 Resp: 246125

Ion Ratio Lower Upper

154 100

153 41.5 20.6 60.6

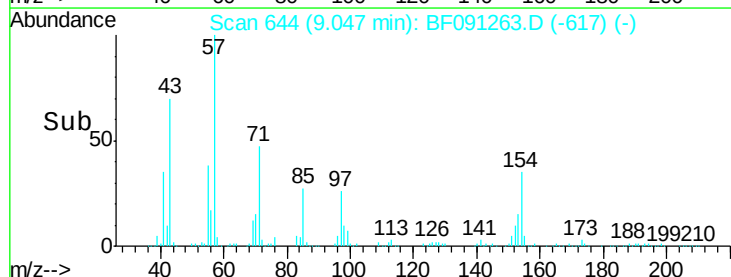
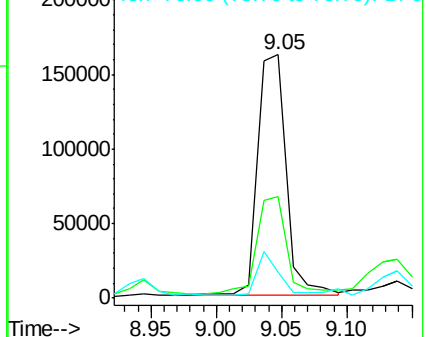
76 10.6 0.0 36.6

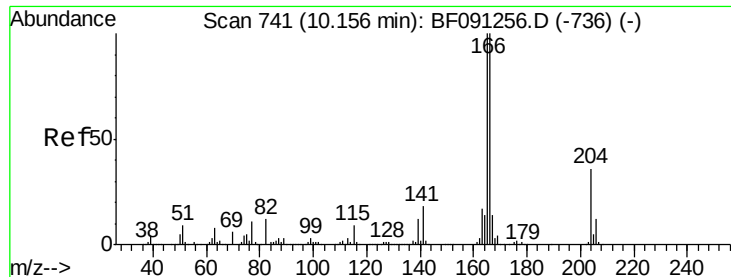


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

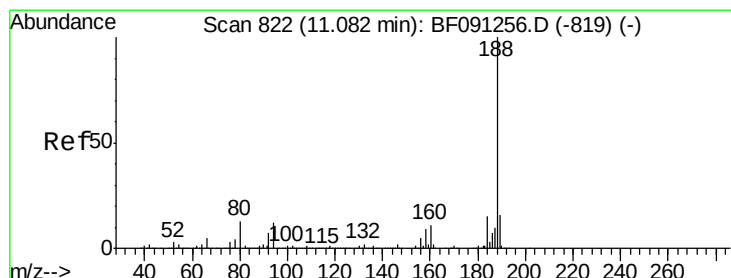
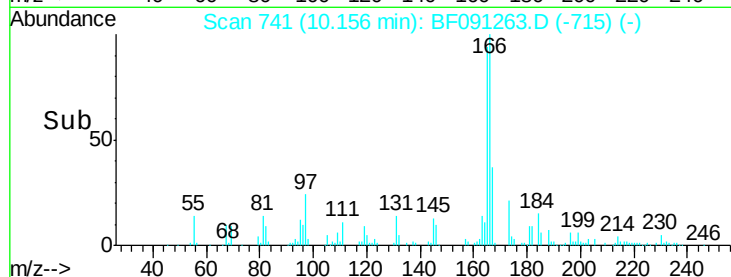
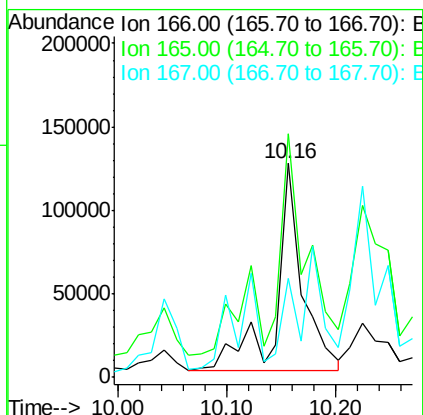
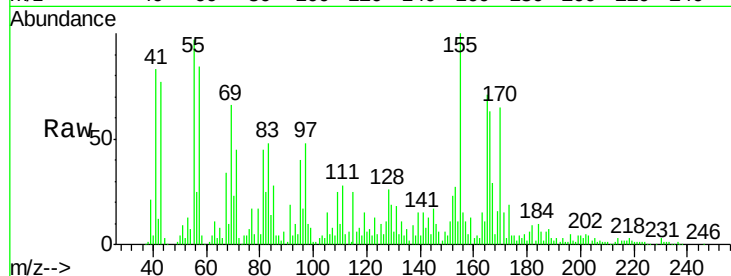




#57
Fluorene
Concen: 9.88 ng
RT: 10.16 min Scan# 741
Delta R.T. -0.00 min
Lab File: BF091263.D
Acq: 22 Nov 2016 00:59

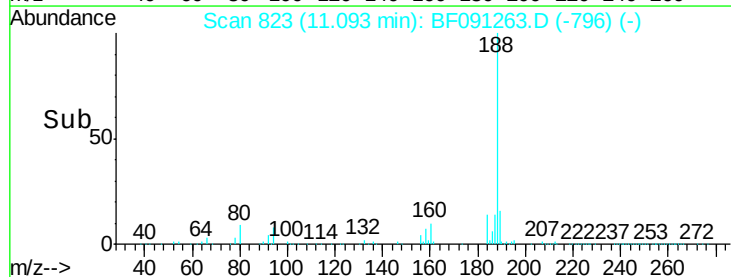
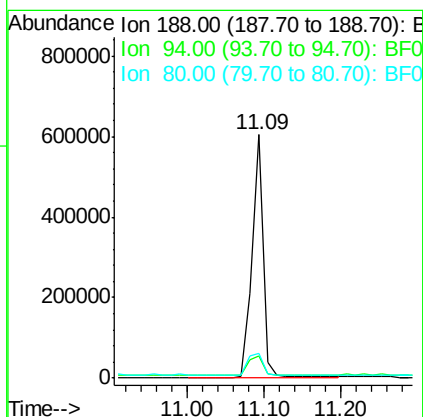
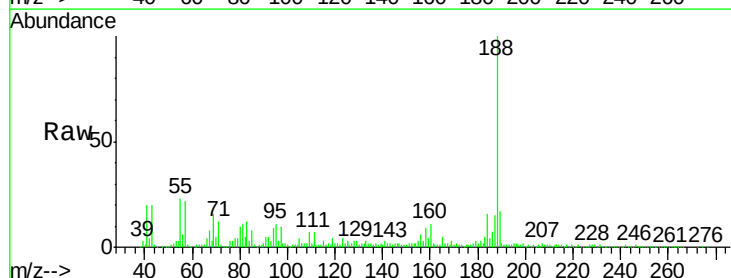
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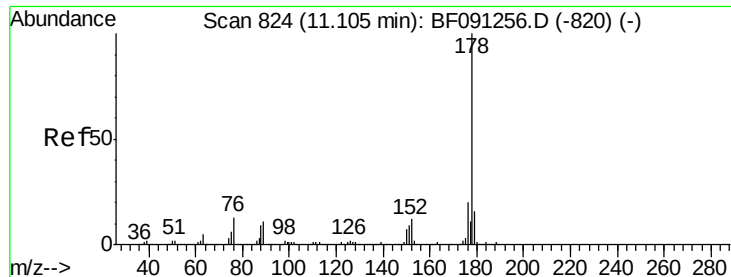
Tot Ion:166 Resp: 204095
Ion Ratio Lower Upper
166 100
165 113.9 80.0 120.0
167 46.5 10.8 16.2#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF091263.D
Acq: 22 Nov 2016 00:59

Tgt Ion:188 Resp: 600192
Ion Ratio Lower Upper
188 100
94 9.3 9.2 13.8
80 10.1 10.5 15.7#





#70

Phenanthrene

Concen: 12.53 ng

RT: 11.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

Instrument :

BNA_F

ClientSampleId :

1050-410-NEWYORKDL

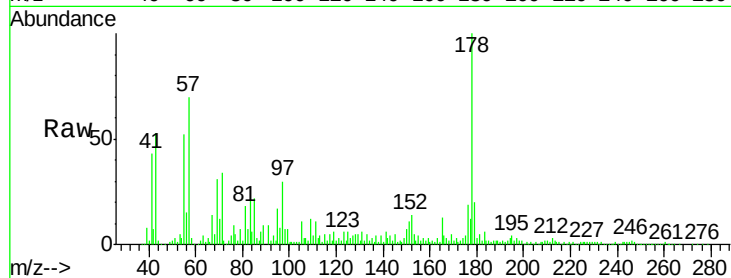
Tot Ion:178 Resp: 395262

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

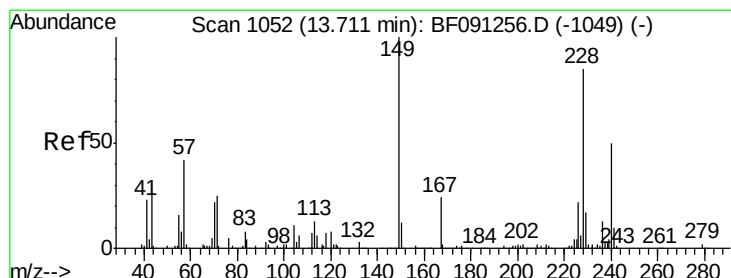
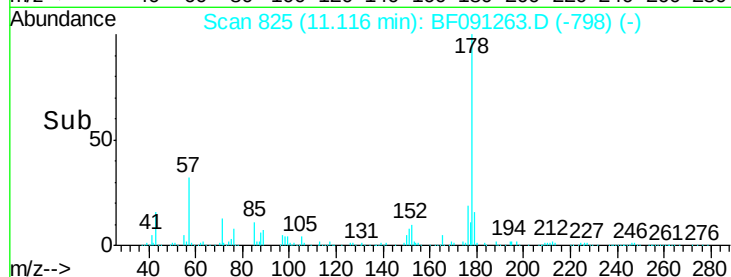
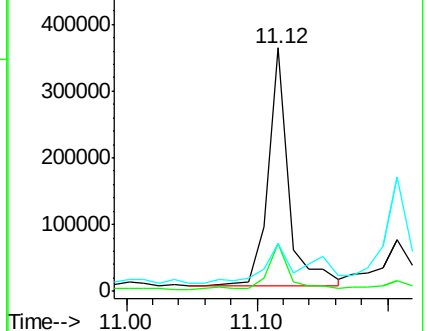
179 19.8 12.6 18.8#



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: 13.71 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

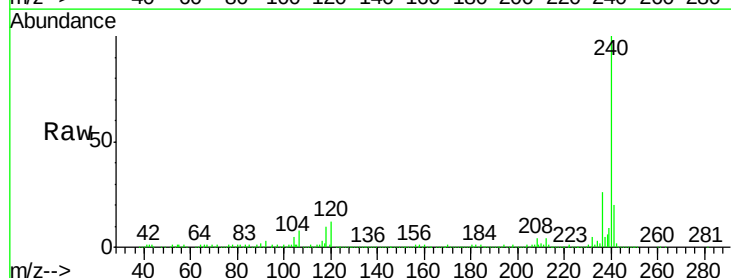
Tgt Ion:240 Resp: 626423

Ion Ratio Lower Upper

240 100

120 11.9 12.1 18.1#

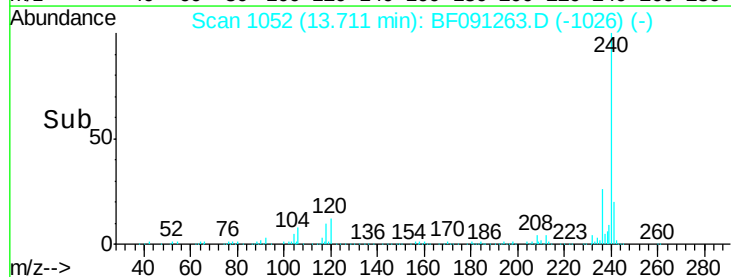
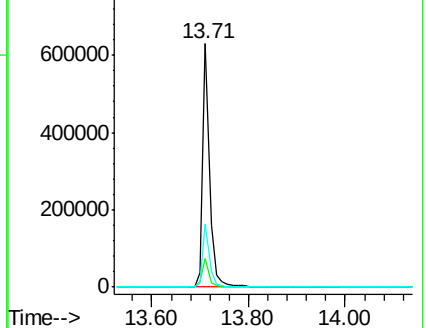
236 26.0 21.0 31.6

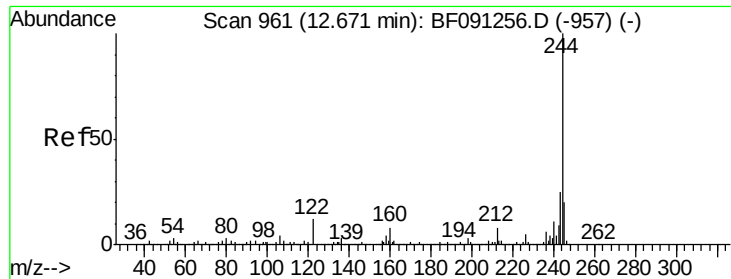


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 14.66 ng

RT: 12.67 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

Instrument :

BNA_F

ClientSampleId :

1050-410-NEWYORKDL

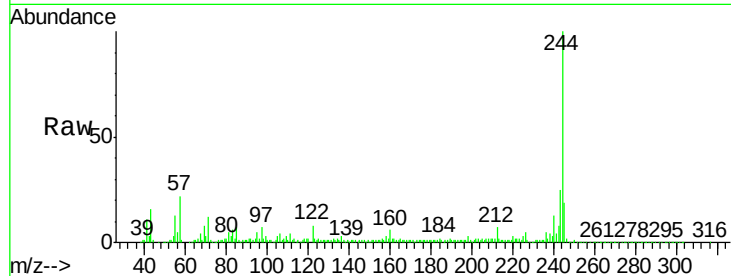
Tot Ion:244 Resp: 405094

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

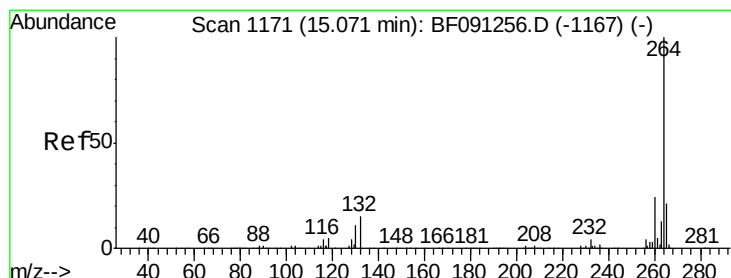
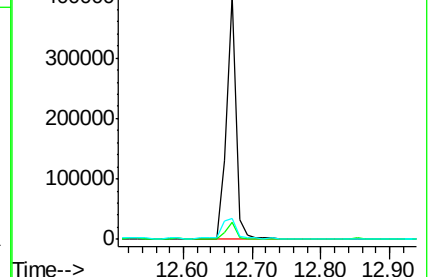
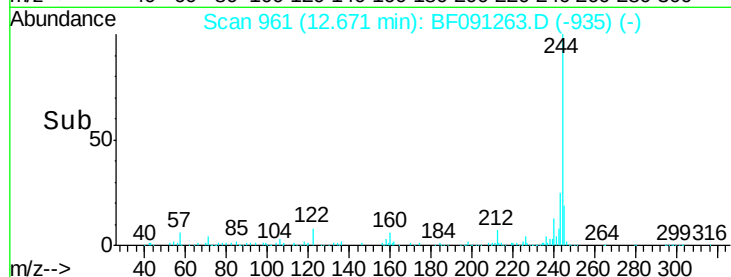
122 8.5 9.5 14.3#



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: 15.07 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BF091263.D

Acq: 22 Nov 2016 00:59

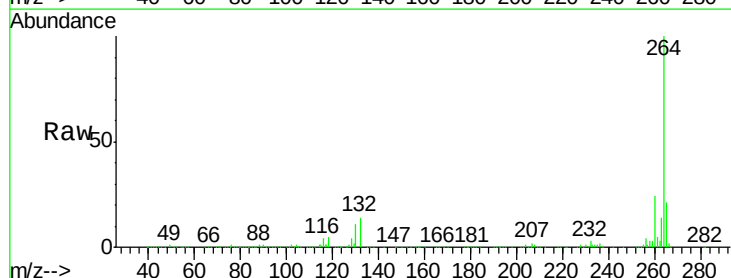
Tgt Ion:264 Resp: 489558

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 21.1 17.0 25.6



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

