

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
 Data File : BF091264.D
 Acq On : 22 Nov 2016 1:26
 Operator : UM/SJ
 Sample : H5711-02DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1051-410-NEWYORKDL

Quant Time: Nov 22 02:38:04 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

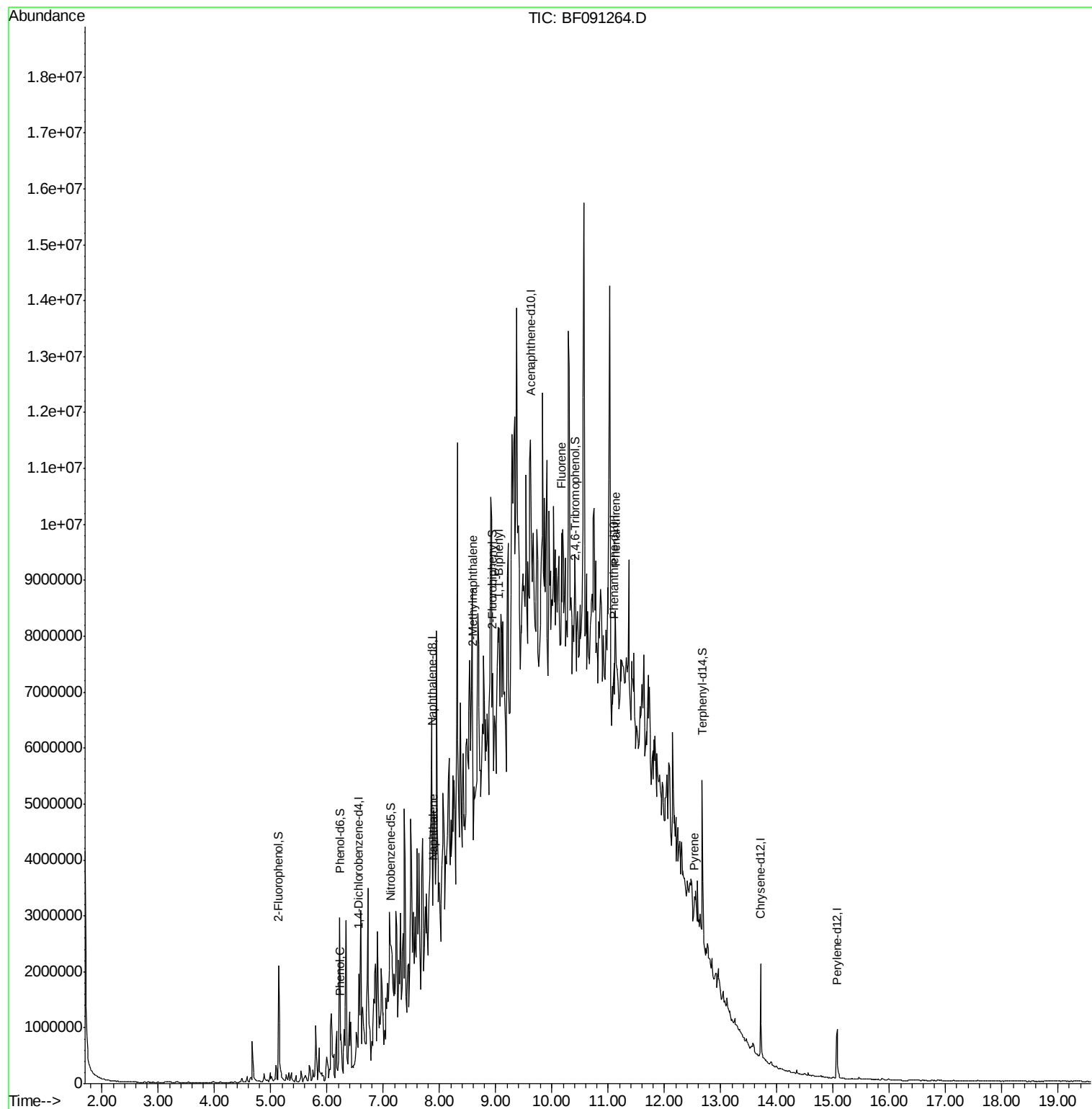
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	198153	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	630204	20.00	ng	0.01
38) Acenaphthene-d10	9.62	164	336233	20.00	ng	0.01
63) Phenanthrene-d10	11.10	188	567461	20.00	ng	0.02
75) Chrysene-d12	13.71	240	643990	20.00	ng	0.00
86) Perylene-d12	15.07	264	511536	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	746112	62.60	ng	0.00
7) Phenol-d6	6.22	99	826199	57.97	ng	-0.01
23) Nitrobenzene-d5	7.14	82	542458	47.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	193128	61.53	ng	0.02
44) 2-Fluorobiphenyl	8.94	172	777862	40.40	ng	0.00
78) Terphenyl-d14	12.67	244	821713	28.92	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.24	94	59826	3.59	ng	90
31) Naphthalene	7.88	128	478328	16.25	ng	# 93
37) 2-Methylnaphthalene	8.59	142	1199951	60.78	ng	97
45) 1,1'-Biphenyl	9.05	154	326895	12.75	ng	97
57) Fluorene	10.17	166	358455	17.86	ng	# 75
70) Phenanthrene	11.13	178	666471	22.35	ng	# 93
77) Pyrene	12.52	202	157834	3.20	ng	# 83

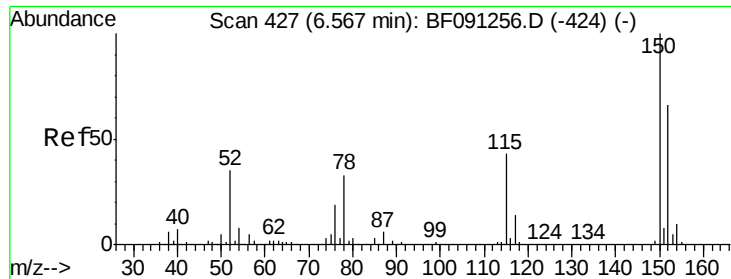
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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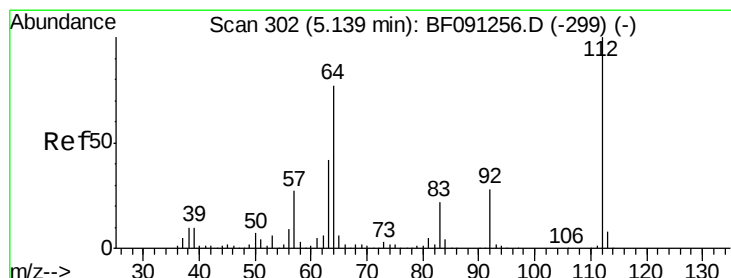
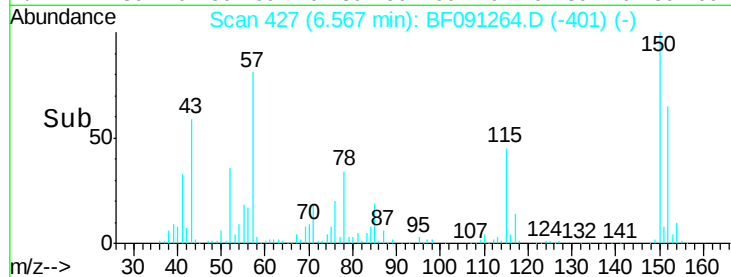
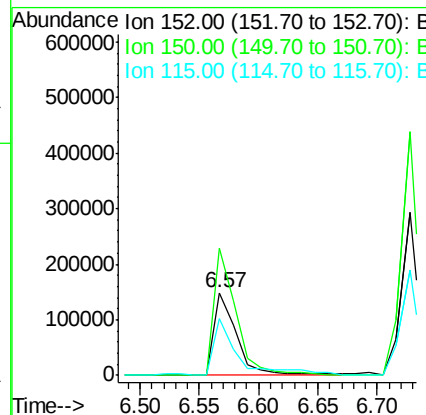
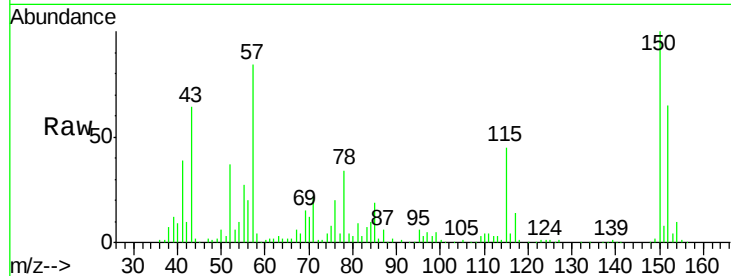


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF091264.D
Acq: 22 Nov 2016 1:26

Instrument :
BNA_F
ClientSampleId :
1051-410-NEWYORKDL

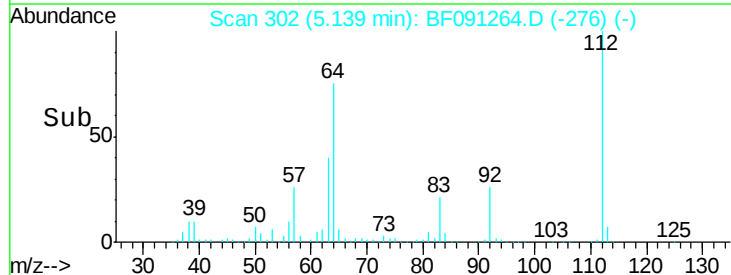
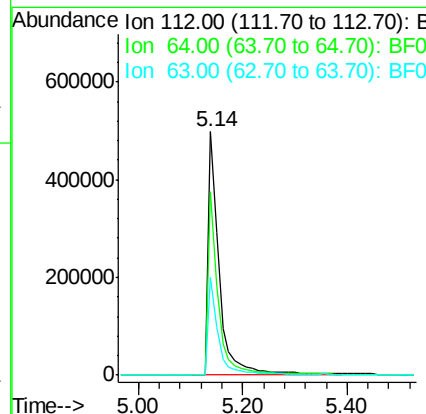
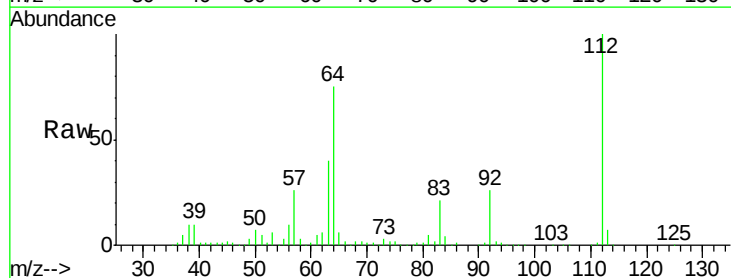
Tot Ion:152 Resp: 198153
Ion Ratio Lower Upper
152 100
150 153.3 122.5 183.7
115 68.7 51.8 77.8

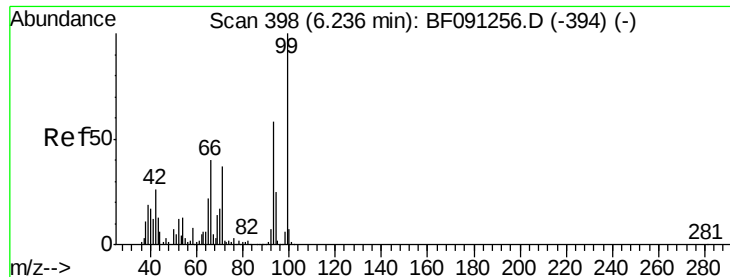


#5

2-Fluorophenol
Concen: 62.60 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.00 min
Lab File: BF091264.D
Acq: 22 Nov 2016 1:26

Tgt Ion:112 Resp: 746112
Ion Ratio Lower Upper
112 100
64 75.4 61.5 92.3
63 40.4 33.3 49.9





#7

Phenol-d6

Concen: 57.97 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

Instrument :

BNA_F

ClientSampleId :

1051-410-NEWYORKDL

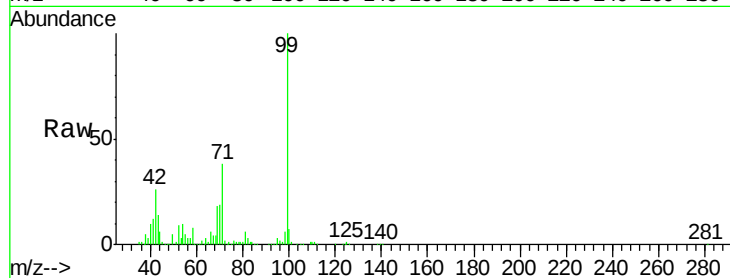
Tot Ion: 99 Resp: 826199

Ion Ratio Lower Upper

99 100

42 25.9 20.6 31.0

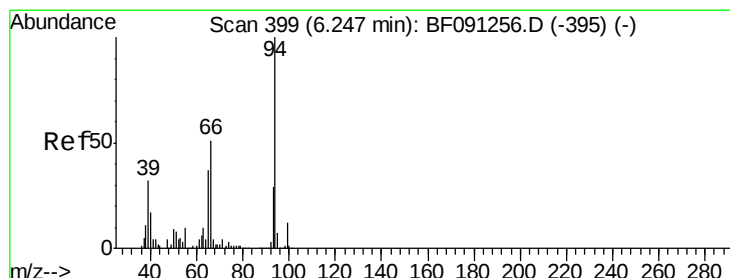
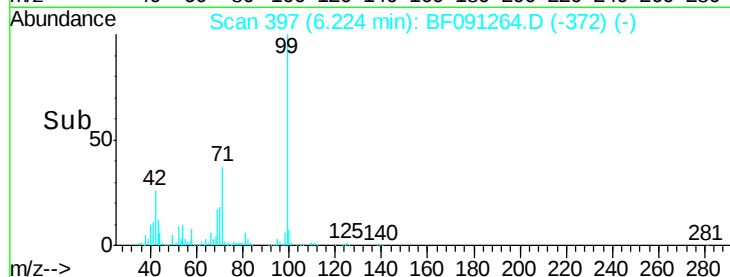
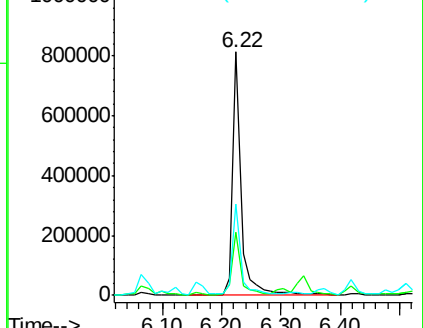
71 37.7 29.9 44.9



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



#10

Phenol

Concen: 3.59 ng

RT: 6.24 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

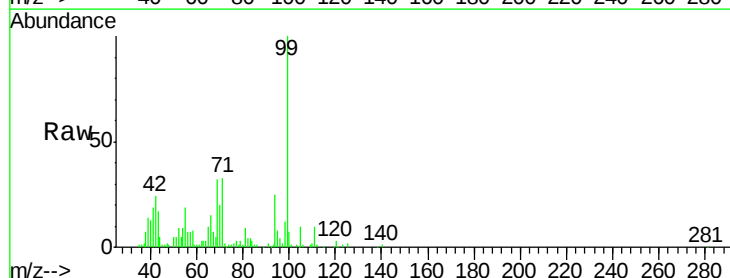
Tgt Ion: 94 Resp: 59826

Ion Ratio Lower Upper

94 100

65 39.6 16.9 56.9

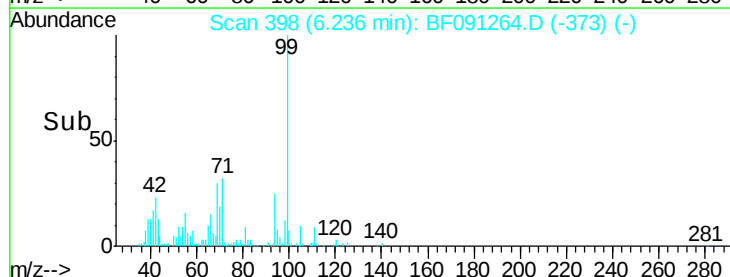
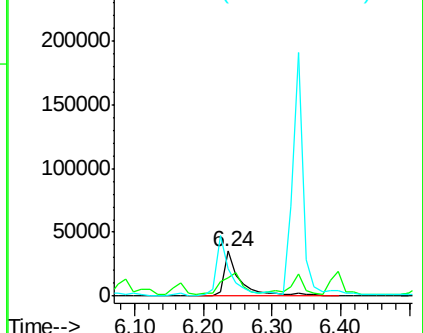
66 60.7 30.6 70.6

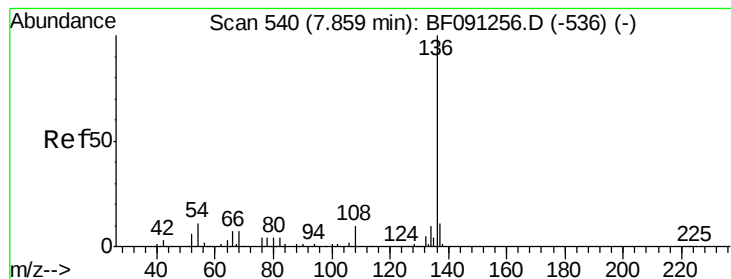


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

Instrument :

BNA_F

ClientSampleId :

1051-410-NEWYORKDL

Tot Ion:136 Resp: 630204

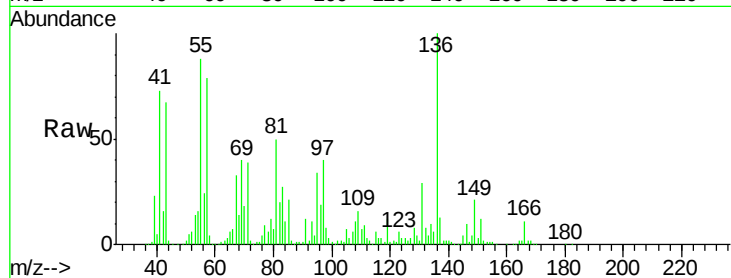
Ion Ratio Lower Upper

136 100

137 13.3 9.1 13.7

54 16.0 9.1 13.7#

68 14.3 5.9 8.9#

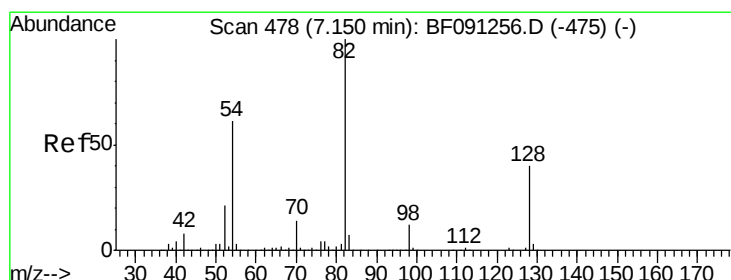
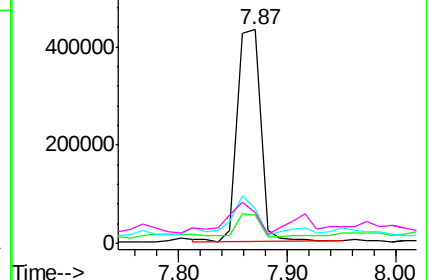
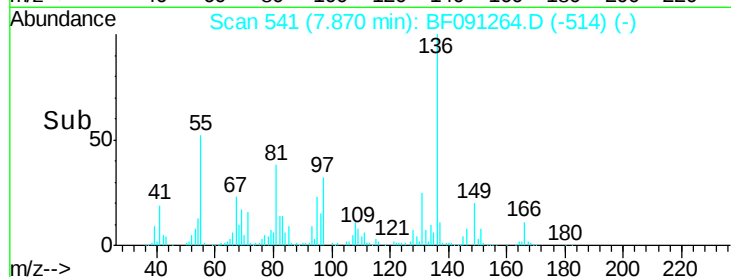


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 47.46 ng

RT: 7.14 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

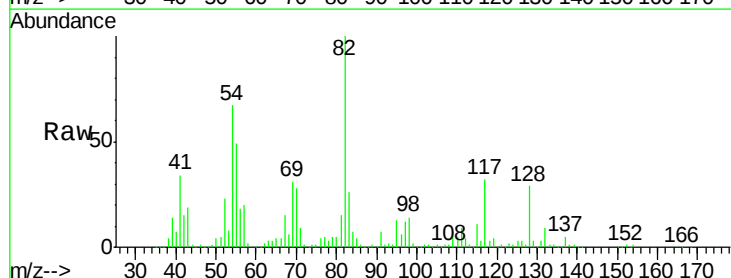
Tgt Ion: 82 Resp: 542458

Ion Ratio Lower Upper

82 100

128 28.5 31.8 47.6#

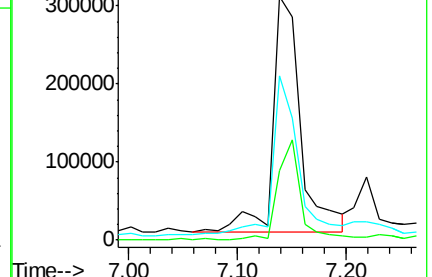
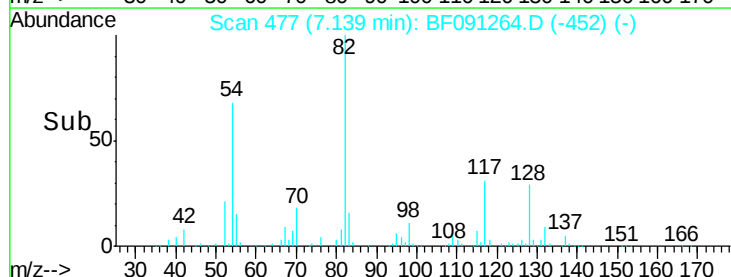
54 67.4 49.1 73.7

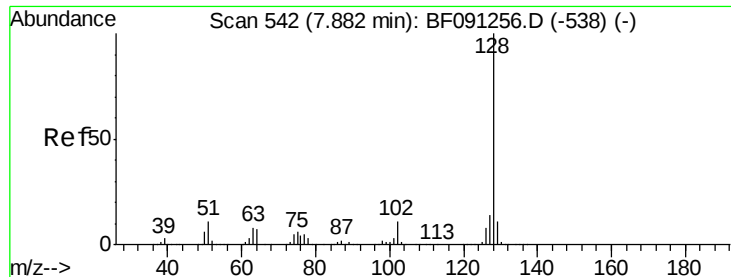


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

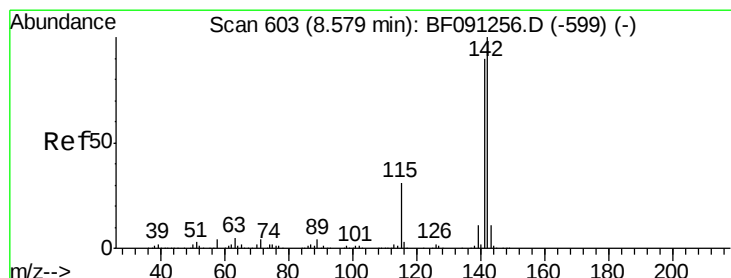
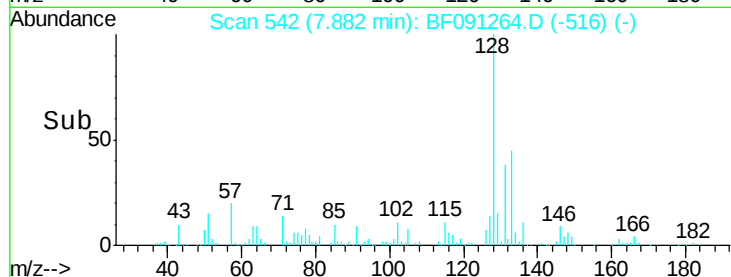
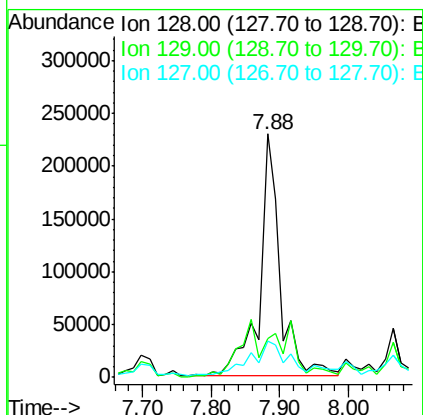
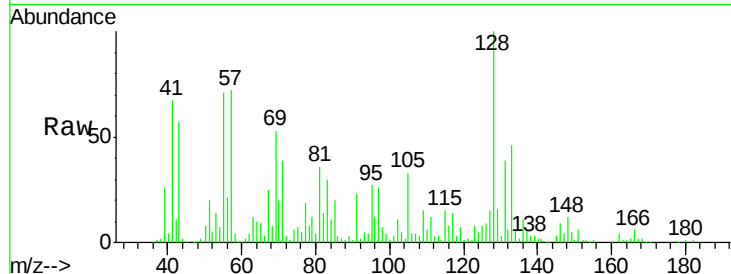




#31
Naphthalene
Concen: 16.25 ng
RT: 7.88 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF091264.D
Acq: 22 Nov 2016 1:26

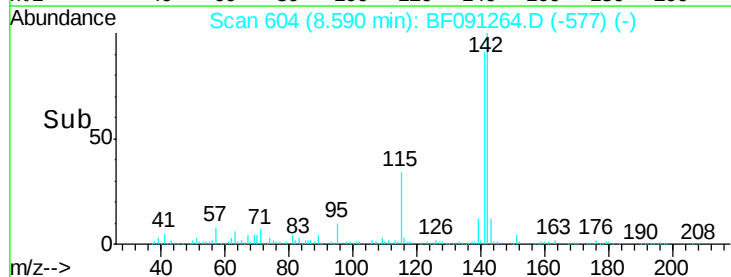
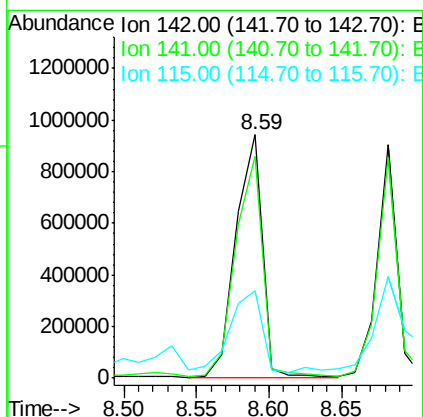
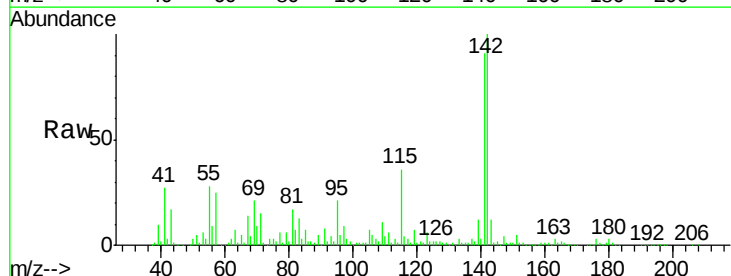
Instrument :
BNA_F
ClientSampleId :
1051-410-NEWYORKDL

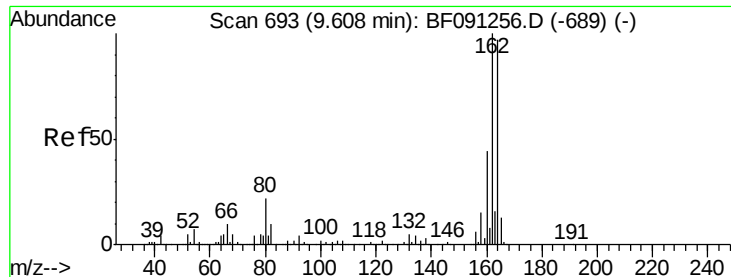
Tot Ion:128 Resp: 478328
Ion Ratio Lower Upper
128 100
129 15.8 9.1 13.7#
127 15.0 11.0 16.4



#37
2-Methylnaphthalene
Concen: 60.78 ng
RT: 8.59 min Scan# 604
Delta R.T. 0.01 min
Lab File: BF091264.D
Acq: 22 Nov 2016 1:26

Tgt Ion:142 Resp: 1199951
Ion Ratio Lower Upper
142 100
141 91.2 71.7 107.5
115 35.8 25.0 37.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 694

Delta R.T. 0.01 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

Instrument :

BNA_F

ClientSampleId :

1051-410-NEWYORKDL

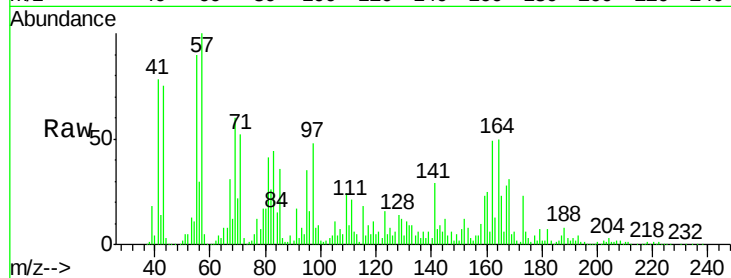
Tot Ion:164 Resp: 336233

Ion Ratio Lower Upper

164 100

162 98.5 82.6 124.0

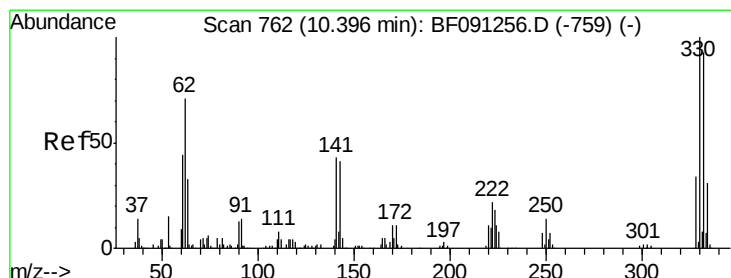
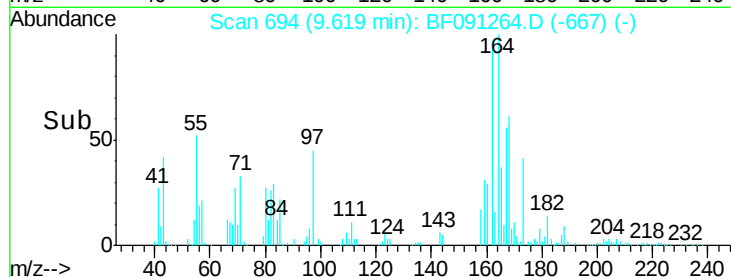
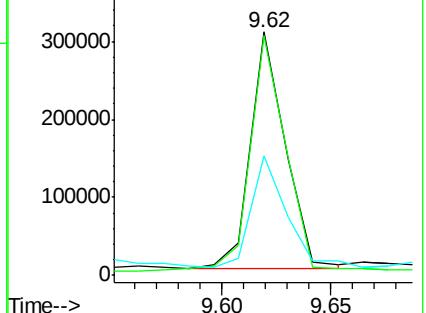
160 49.1 36.7 55.1



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: 61.53 ng

RT: 10.42 min Scan# 764

Delta R.T. 0.02 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

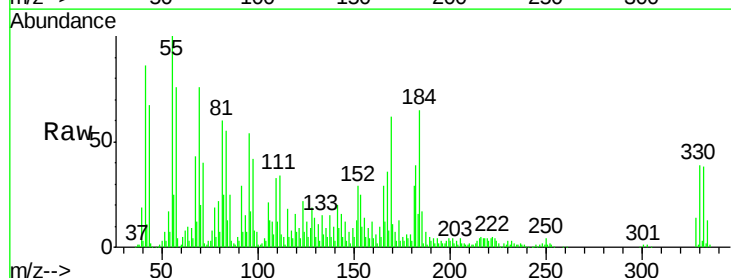
Tgt Ion:330 Resp: 193128

Ion Ratio Lower Upper

330 100

332 97.6 76.2 114.4

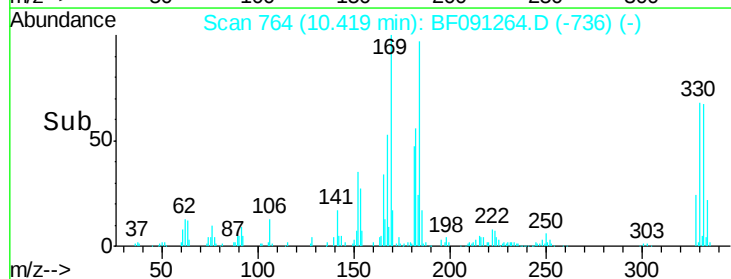
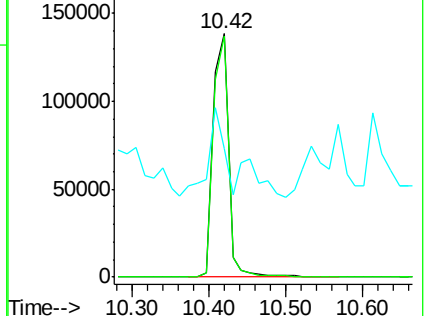
141 34.8 33.6 50.4

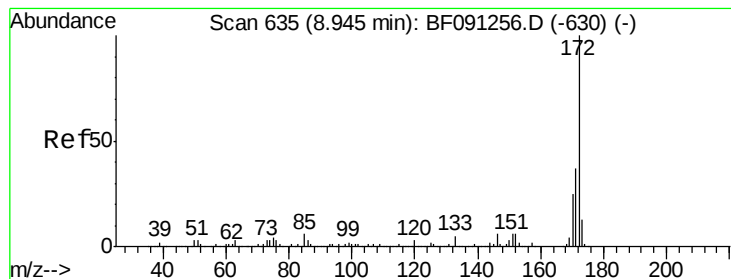


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

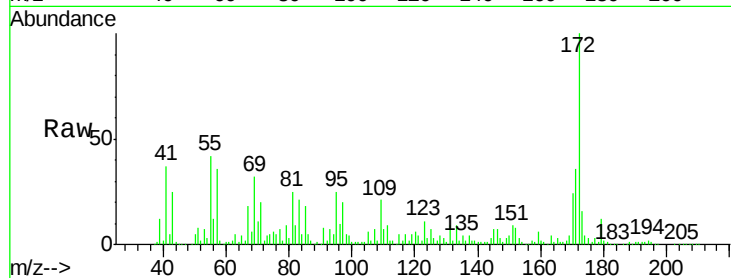




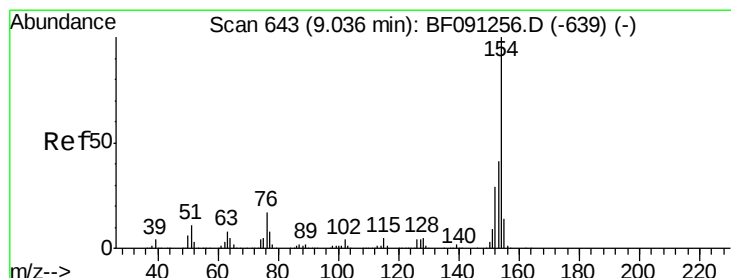
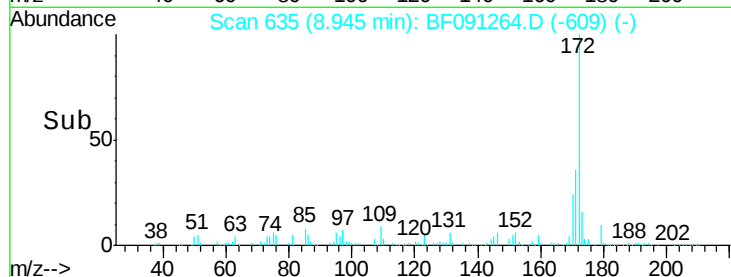
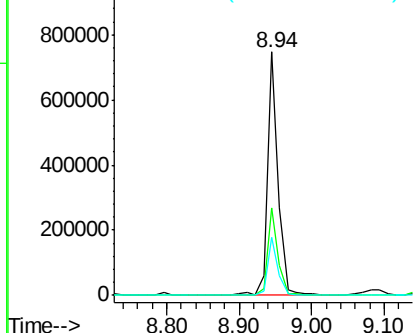
#44
 2-Fluorobiphenyl
 Concen: 40.40 ng
 RT: 8.94 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: BF091264.D
 Acq: 22 Nov 2016 1:26

Instrument :
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 1051-410-NEWYORKDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.0	19.7	29.5

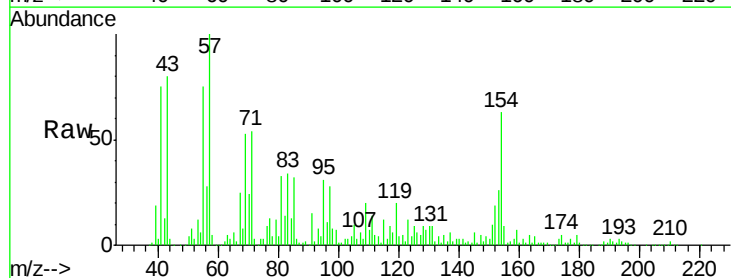


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

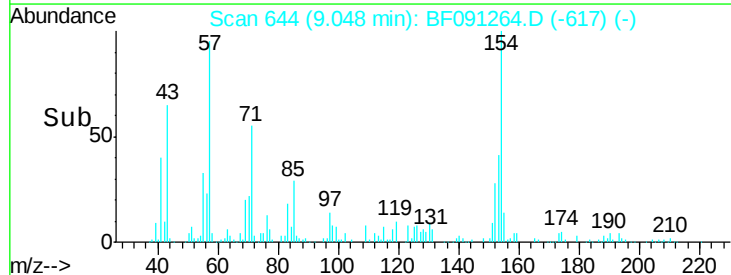
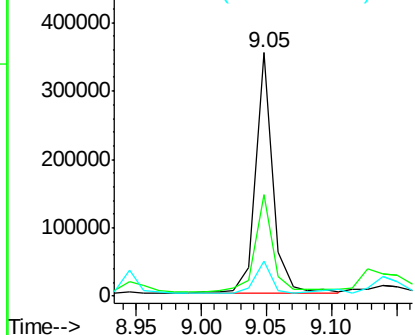


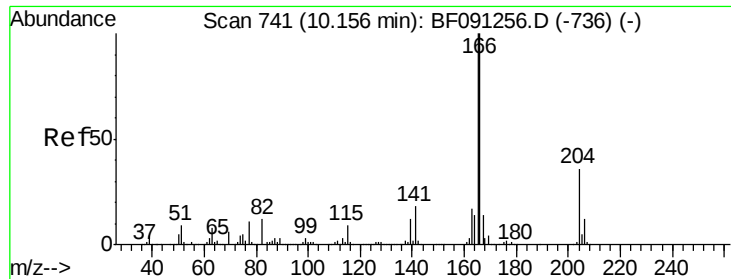
#45
 1,1'-Biphenyl
 Concen: 12.75 ng
 RT: 9.05 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: BF091264.D
 Acq: 22 Nov 2016 1:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.6	60.6
76	14.1	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: 17.86 ng

RT: 10.17 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

Instrument :

BNA_F

ClientSampleId :

1051-410-NEWYORKDL

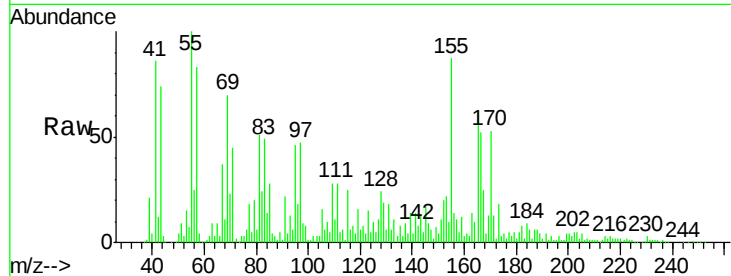
Tot Ion:166 Resp: 358455

Ion Ratio Lower Upper

166 100

165 116.5 80.0 120.0

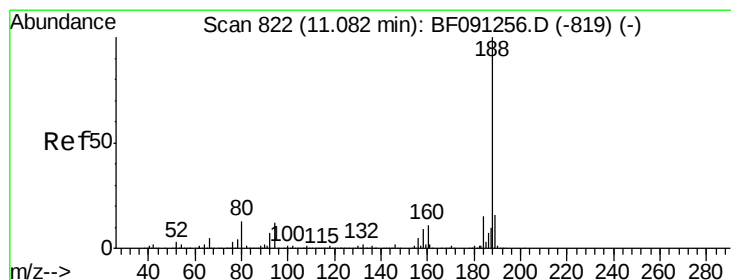
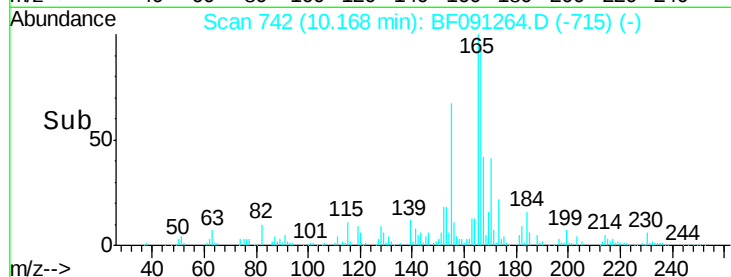
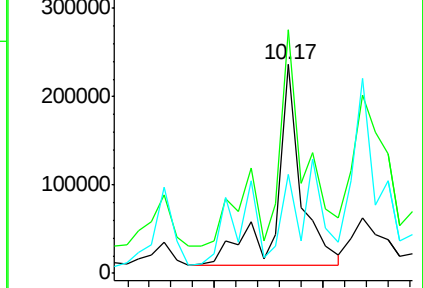
167 47.6 10.8 16.2#



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: 20.00 ng

RT: 11.10 min Scan# 824

Delta R.T. 0.02 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

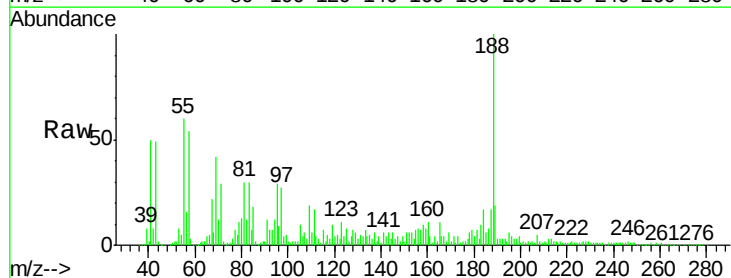
Tgt Ion:188 Resp: 567461

Ion Ratio Lower Upper

188 100

94 11.9 9.2 13.8

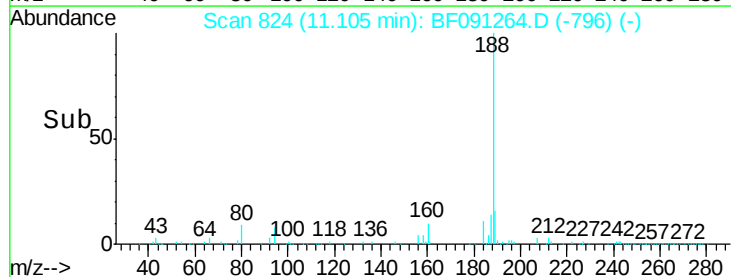
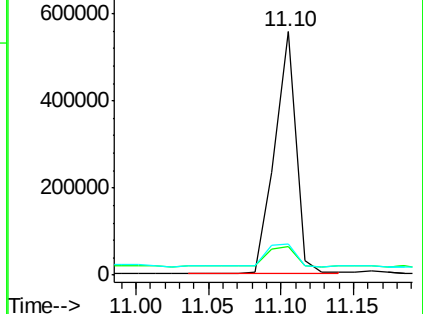
80 12.8 10.5 15.7

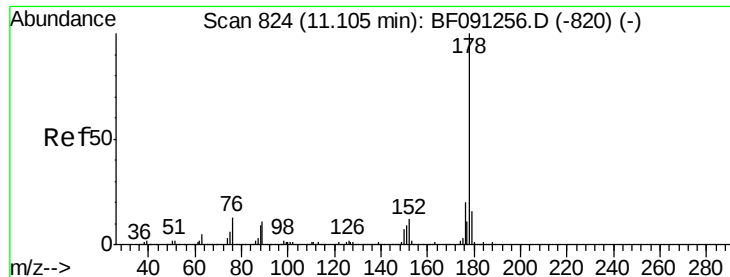


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 22.35 ng

RT: 11.13 min Scan# 826

Delta R.T. 0.02 min

Lab File: BF091264.D

Acq: 22 Nov 2016 1:26

Instrument :

BNA_F

ClientSampleId :

1051-410-NEWYORKDL

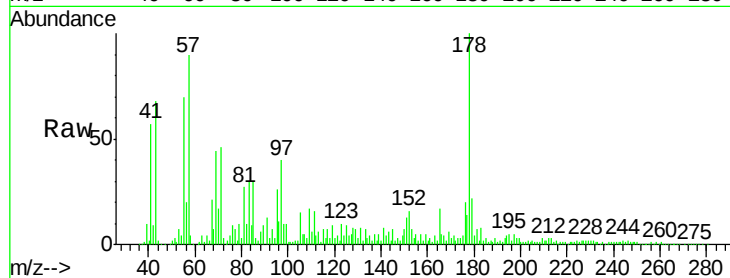
Tot Ion:178 Resp: 666471

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

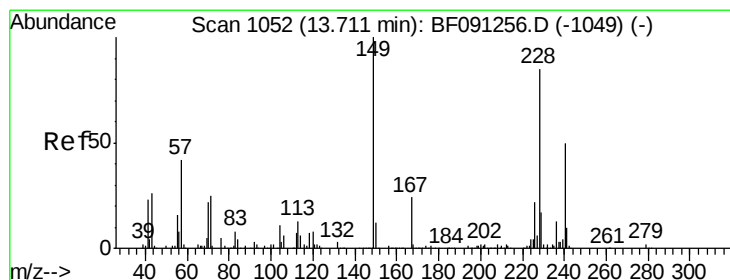
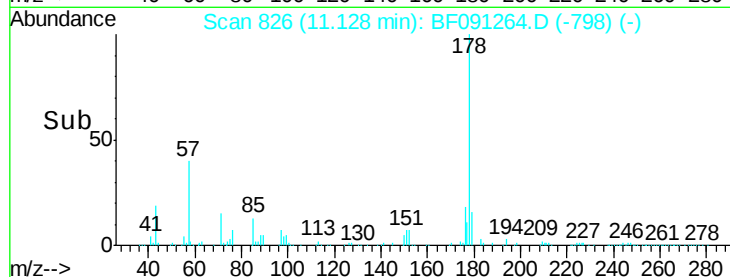
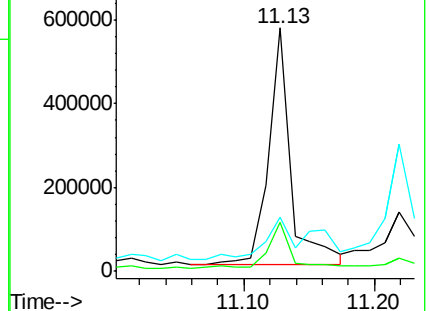
179 22.5 12.6 18.8#



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: BF091264.D

Acq: 22 Nov 2016 1:26

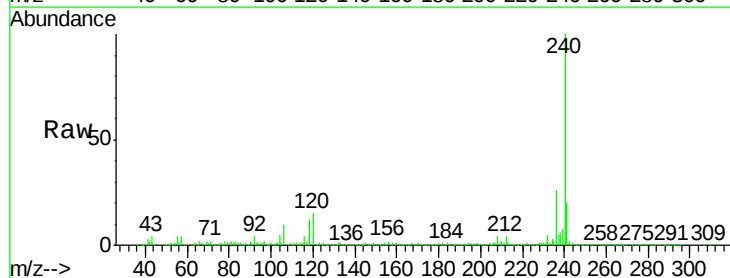
Tgt Ion:240 Resp: 643990

Ion Ratio Lower Upper

240 100

120 14.6 12.1 18.1

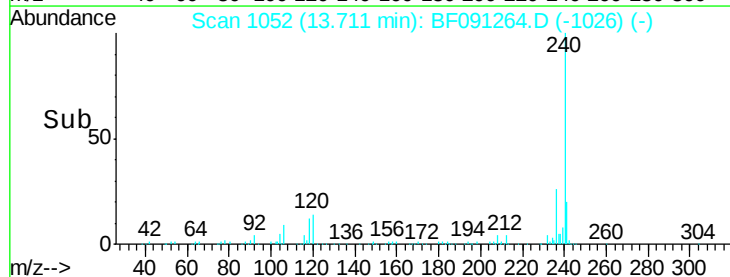
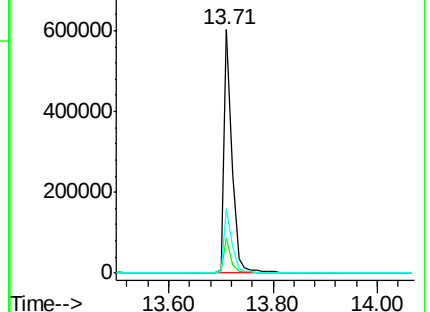
236 26.4 21.0 31.6

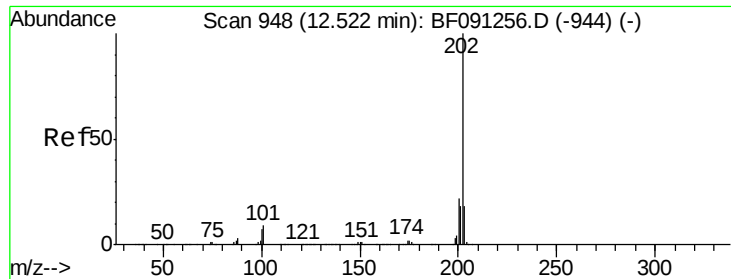


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

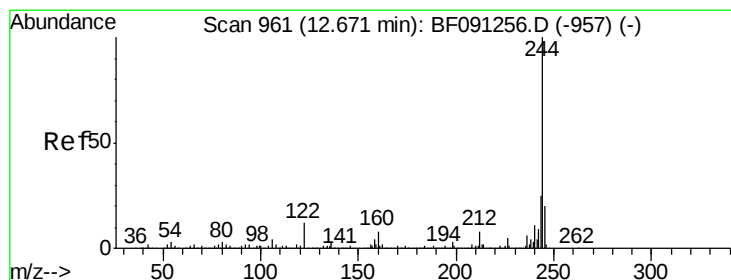
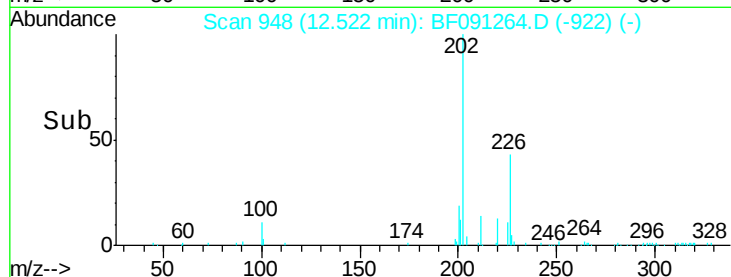
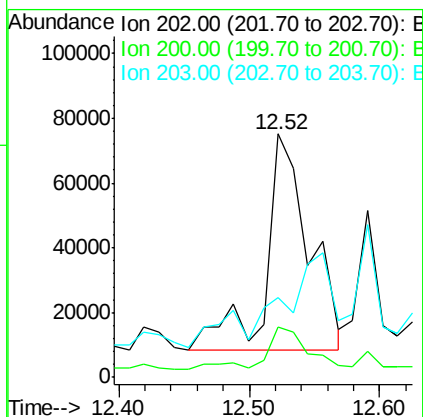
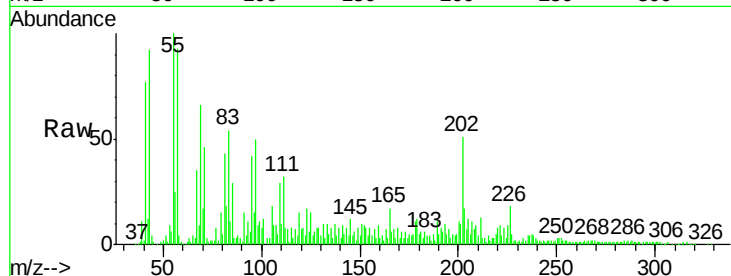




#77
Pvrene
Concen: 3.20 ng
RT: 12.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF091264.D
Acq: 22 Nov 2016 1:26

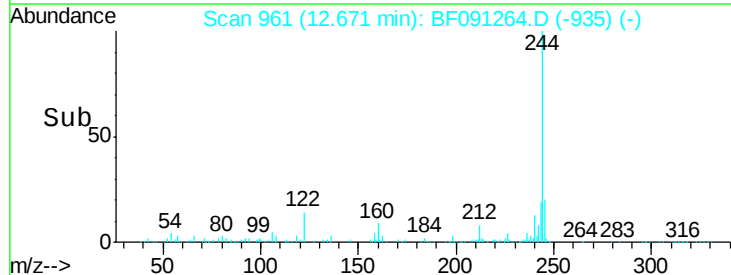
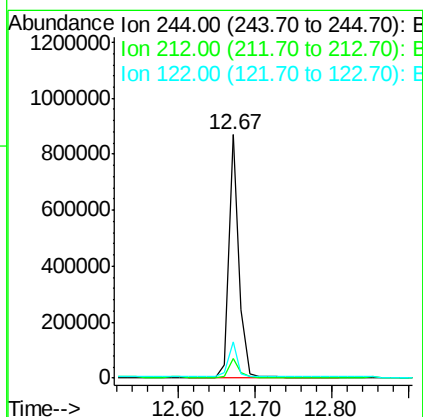
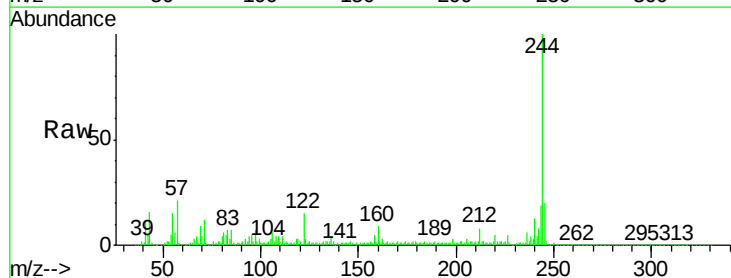
Instrument :
BNA_F
ClientSampleId :
1051-410-NEWYORKDL

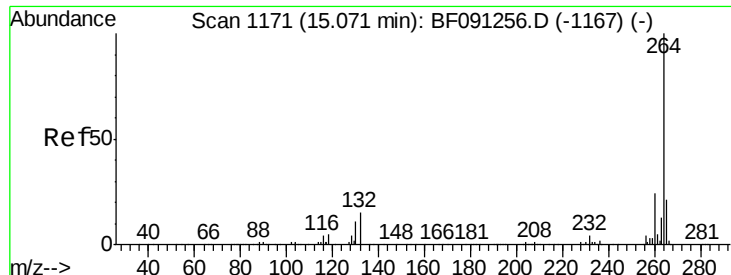
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	32.9	14.0	21.0



#78
Terphenyl-d14
Concen: 28.92 ng
RT: 12.67 min Scan# 961
Delta R.T. 0.00 min
Lab File: BF091264.D
Acq: 22 Nov 2016 1:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	14.8	9.5	14.3

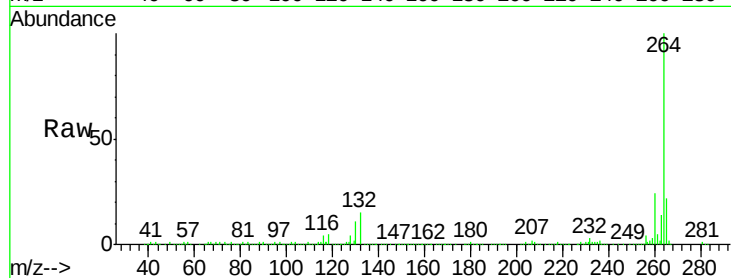




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: BF091264.D
 Acq: 22 Nov 2016 1:26

Instrument :
 BNA_F
 ClientSampleId :
 1051-410-NEWYORKDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	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

