

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091873.D
 Acq On : 22 Dec 2016 9:22
 Operator : UM/SJ
 Sample : H6156-19
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11B

Quant Time: Dec 22 16:16:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	277310	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1155635	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	628038	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1053919	20.00	ng	0.00
75) Chrysene-d12	13.89	240	795675	20.00	ng	-0.01
86) Perylene-d12	15.29	264	607966	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1127369	67.88	ng	0.01
7) Phenol-d6	6.40	99	937892	46.25	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1897597	91.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	719110	138.36	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3081799	103.32	ng	0.00
78) Terphenyl-d14	12.85	244	2323514	70.82	ng	0.00

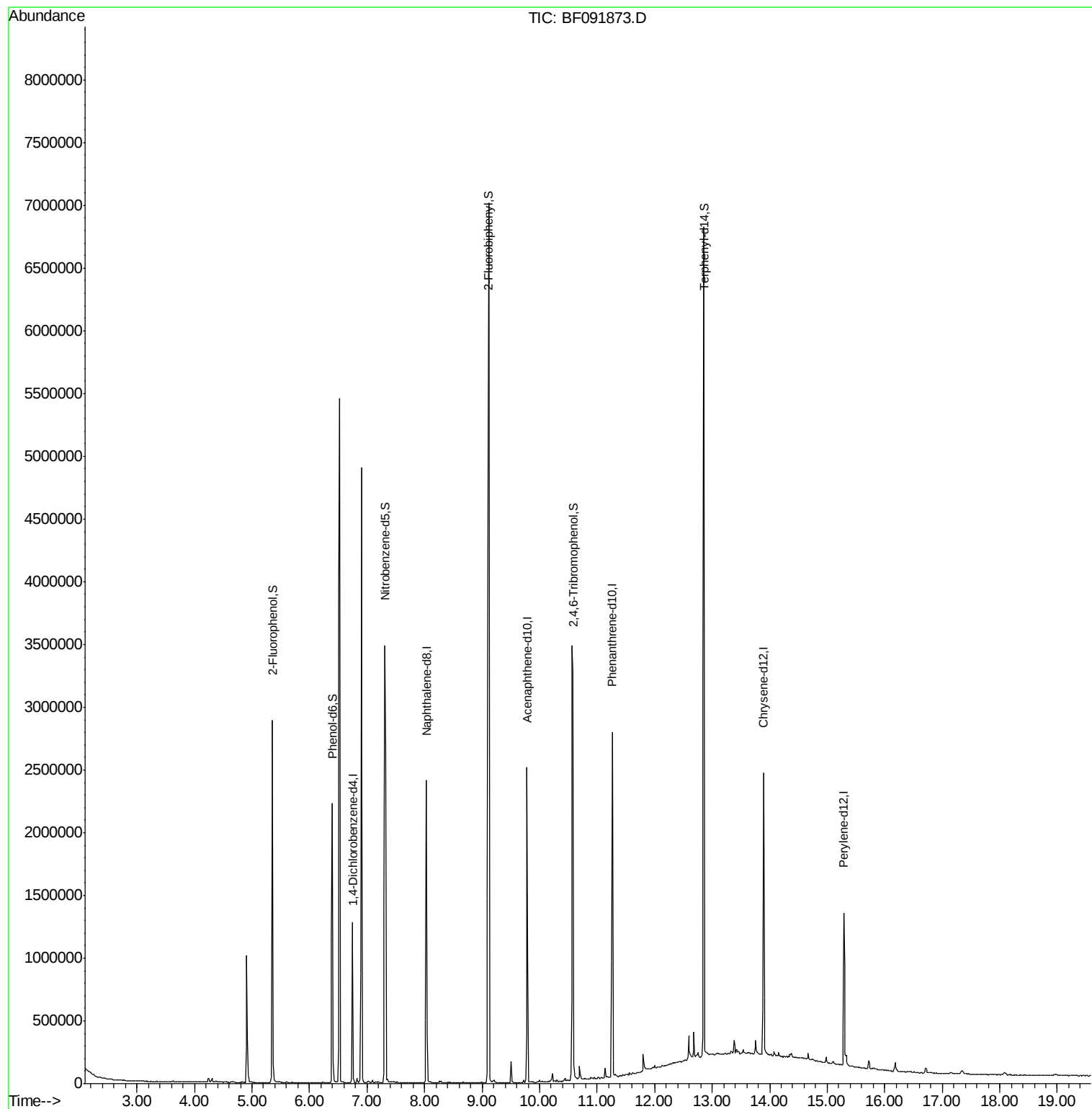
Target Compounds Qvalue

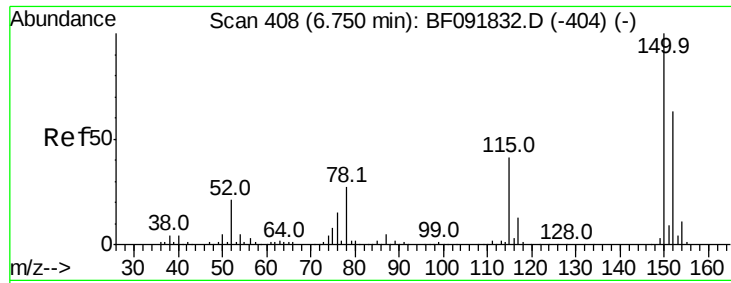
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

Instrument :

BNA_F

ClientSampleId :

MW-11B

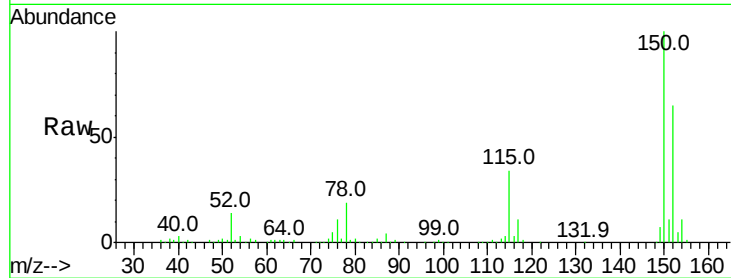
Tot Ion:152 Resp: 277310

Ion Ratio Lower Upper

152 100

150 152.7 124.9 187.3

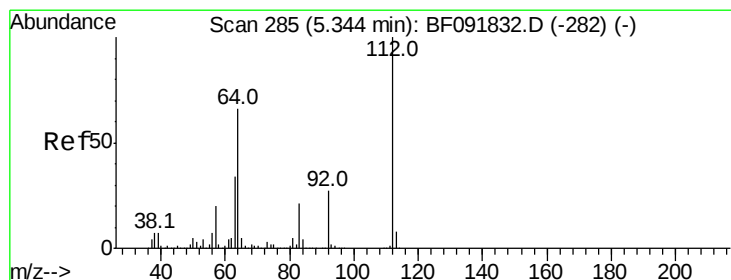
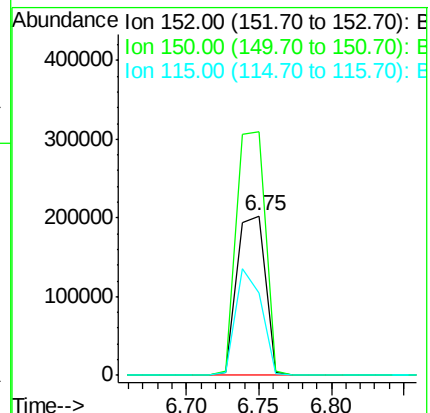
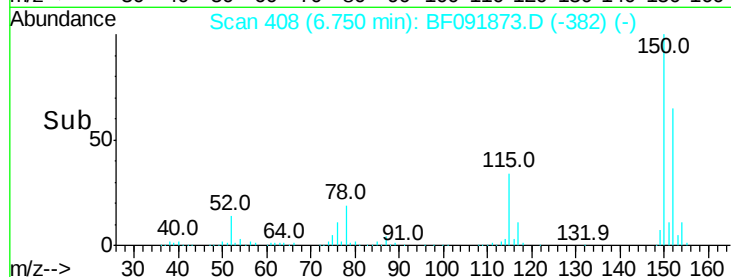
115 51.8 46.0 69.0



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: 67.88 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

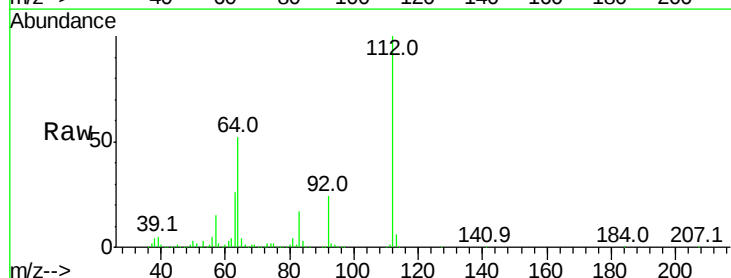
Tgt Ion:112 Resp: 1127369

Ion Ratio Lower Upper

112 100

64 51.7 46.1 69.1

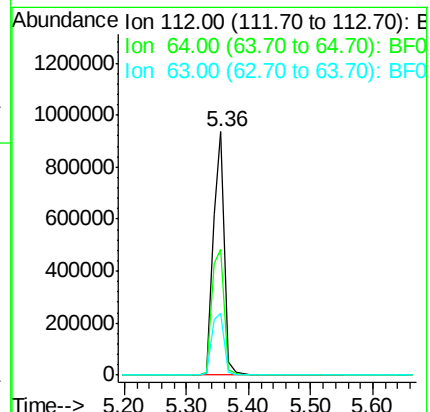
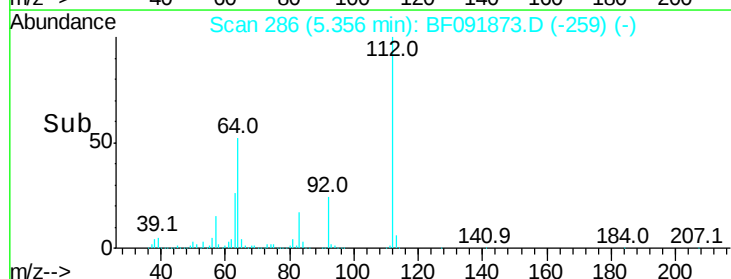
63 25.6 23.8 35.6



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: 46.25 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

Instrument :

BNA_F

ClientSampleId :

MW-11B

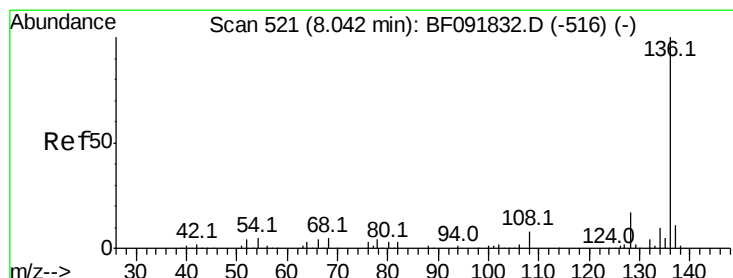
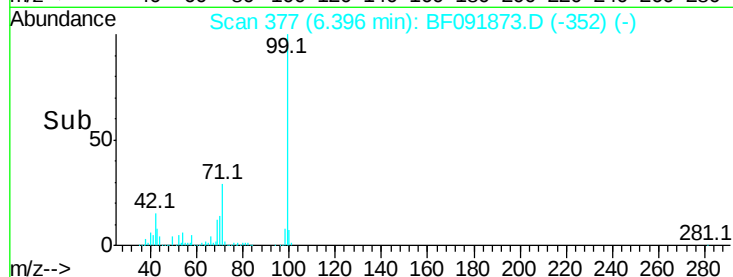
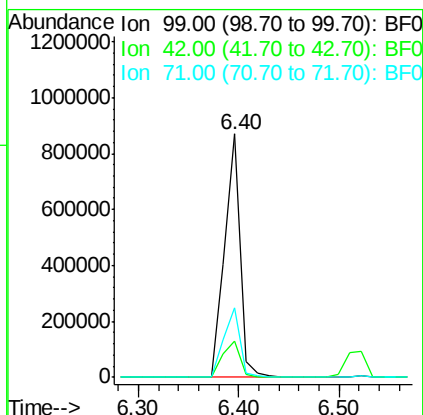
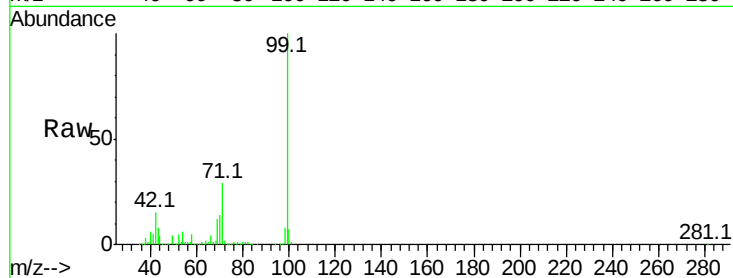
Tot Ion: 99 Resp: 937892

Ion Ratio Lower Upper

99 100

42 15.0 15.6 23.4#

71 28.7 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

Tgt Ion: 136 Resp: 1155635

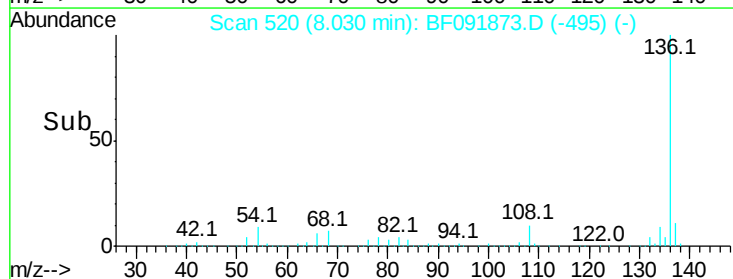
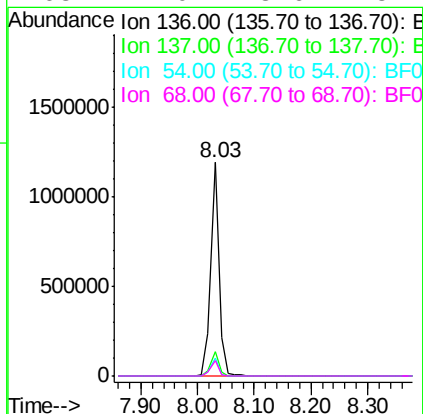
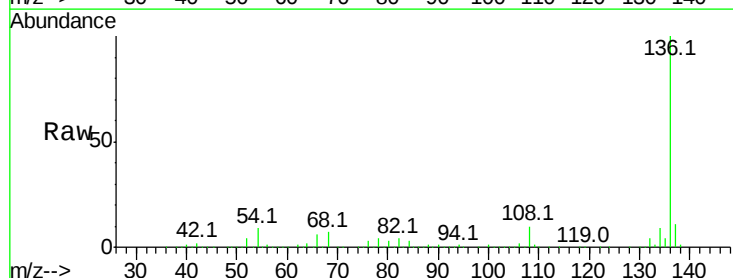
Ion Ratio Lower Upper

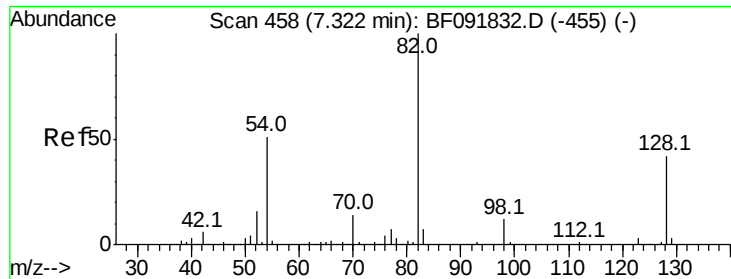
136 100

137 11.3 8.4 12.6

54 8.5 4.5 6.7#

68 7.0 3.6 5.4#

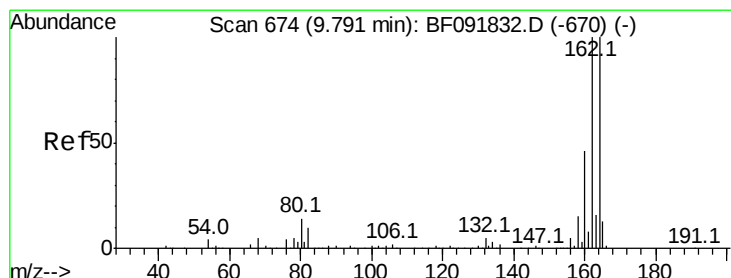
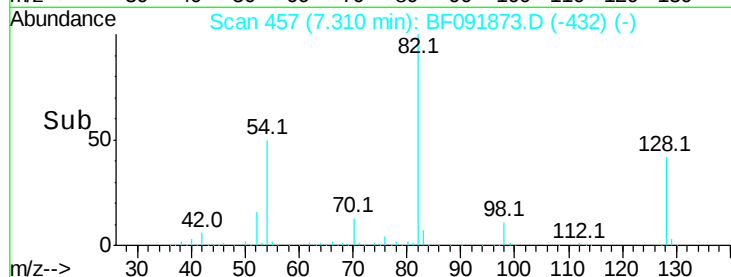
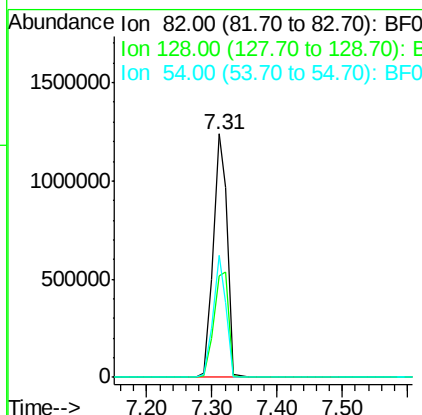
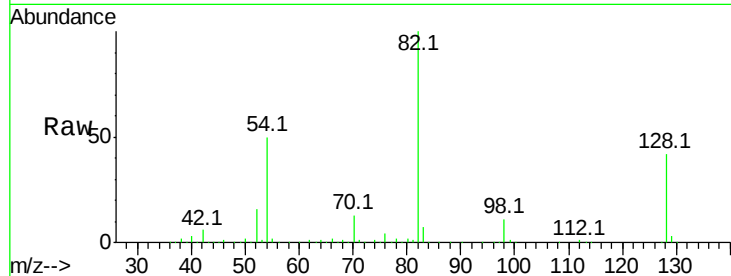




#23
Nitrobenzene-d5
Concen: 91.31 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091873.D
Acq: 22 Dec 2016 9:22

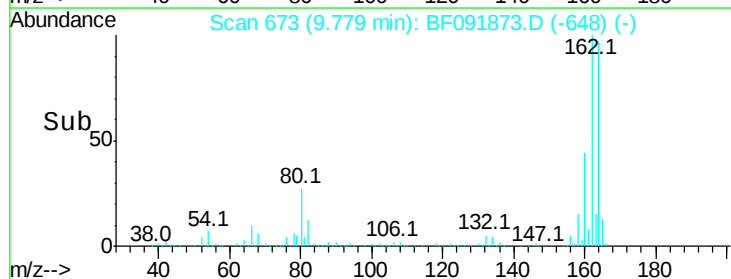
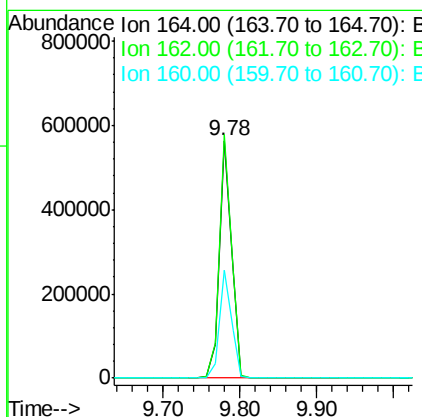
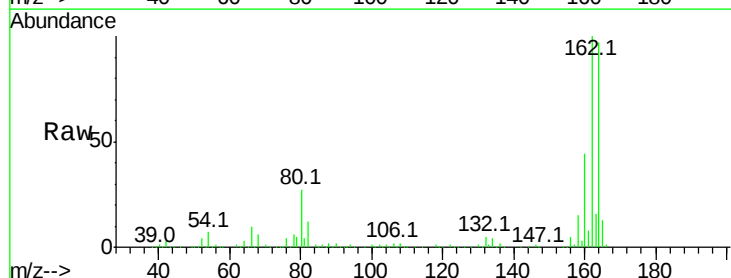
Instrument :
BNA_F
ClientSampleId :
MW-11B

Tot Ion: 82 Resp: 1897597
Ion Ratio Lower Upper
82 100
128 41.8 34.6 52.0
54 50.0 39.5 59.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091873.D
Acq: 22 Dec 2016 9:22

Tgt Ion:164 Resp: 628038
Ion Ratio Lower Upper
164 100
162 102.6 80.2 120.2
160 45.6 36.9 55.3

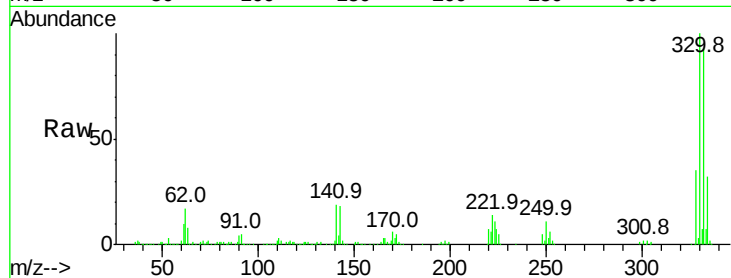




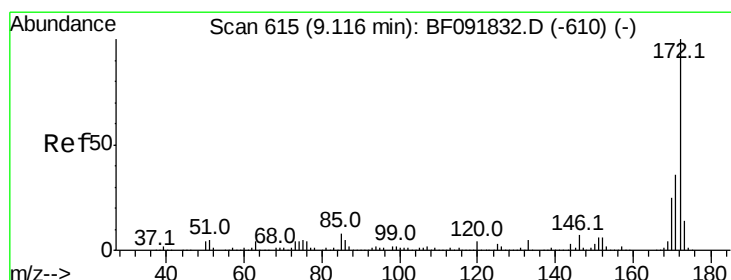
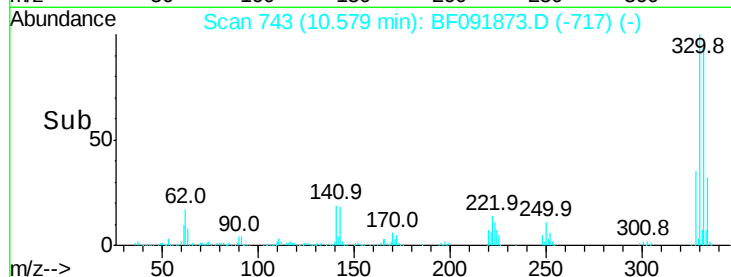
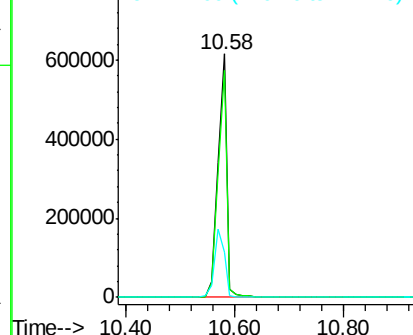
#41
 2,4,6-Tribromophenol
 Concen: 138.36 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091873.D
 Acq: 22 Dec 2016 9:22

Instrument :
 BNA_F
 ClientSampleId :
 MW-11B

Tot Ion:330 Resp: 719110
 Ion Ratio Lower Upper
 330 100
 332 93.3 77.4 116.2
 141 32.1 34.1 51.1#

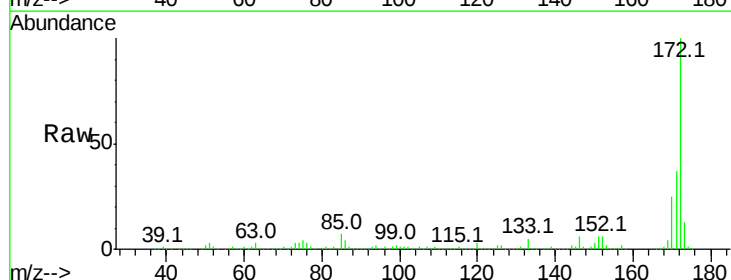


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

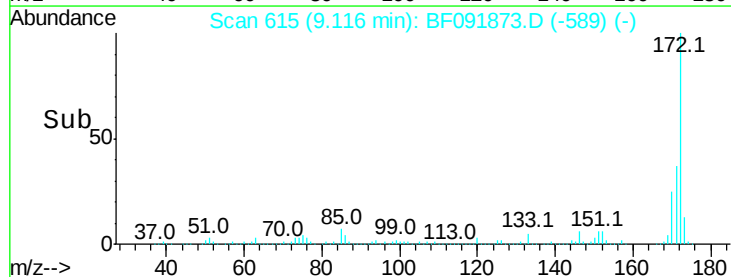
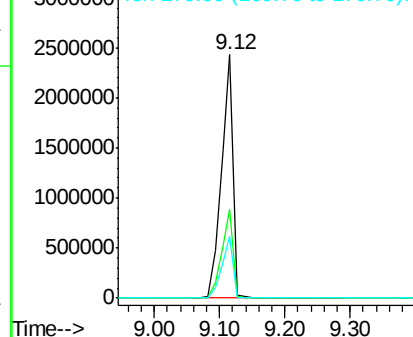


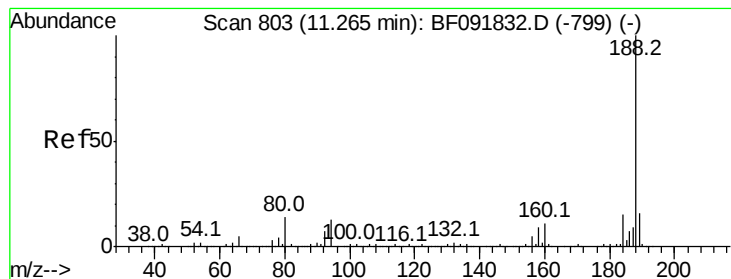
#44
 2-Fluorobiphenyl
 Concen: 103.32 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091873.D
 Acq: 22 Dec 2016 9:22

Tgt Ion:172 Resp: 3081799
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 25.2 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: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

Instrument :

BNA_F

ClientSampled :

MW-11B

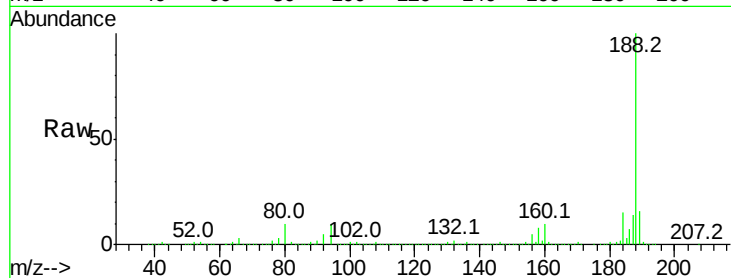
Tot Ion:188 Resp: 1053919

Ion Ratio Lower Upper

188 100

94 9.9 10.0 15.0#

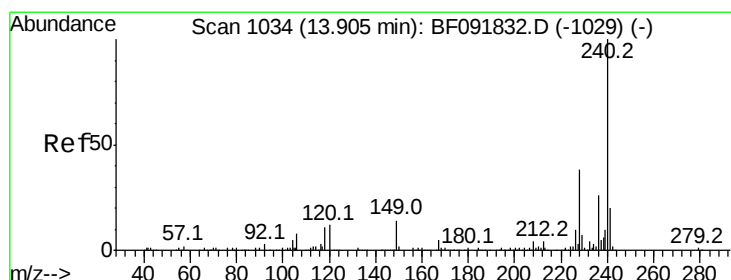
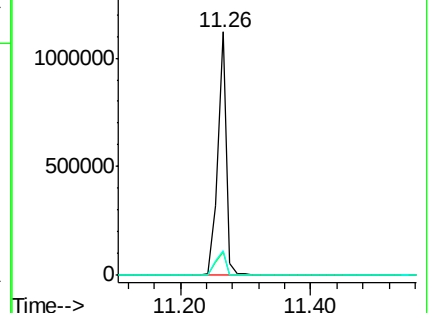
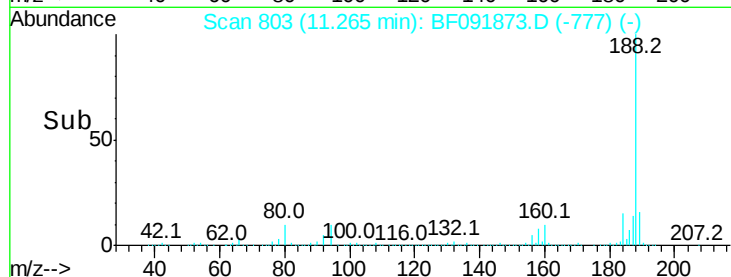
80 10.3 11.2 16.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

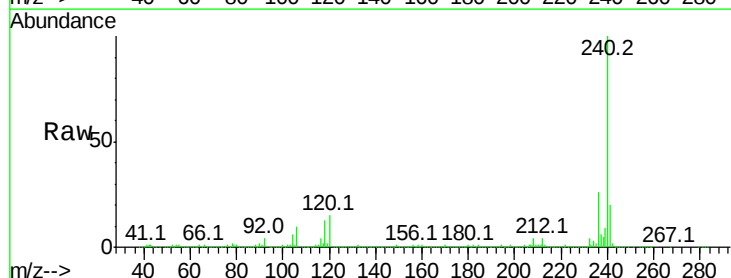
Tgt Ion:240 Resp: 795675

Ion Ratio Lower Upper

240 100

120 15.0 12.9 19.3

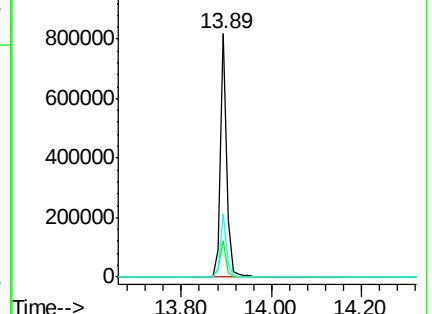
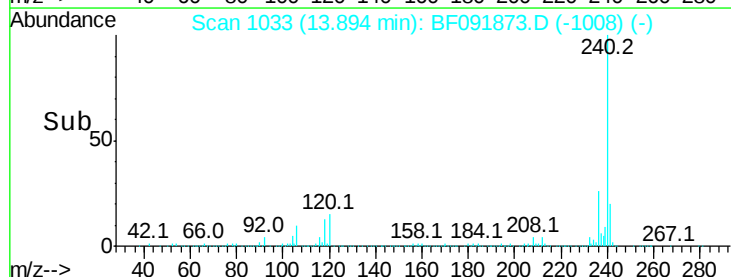
236 25.9 20.9 31.3

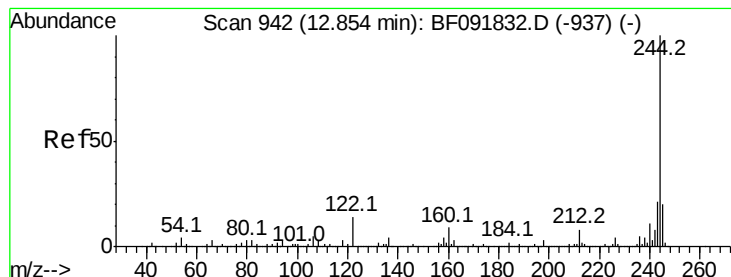


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 70.82 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

Instrument :

BNA_F

ClientSampleId :

MW-11B

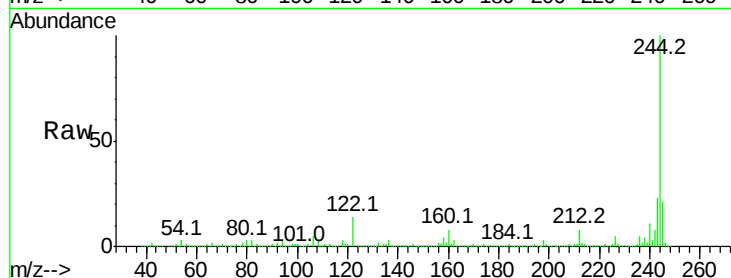
Tot Ion:244 Resp: 2323514

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

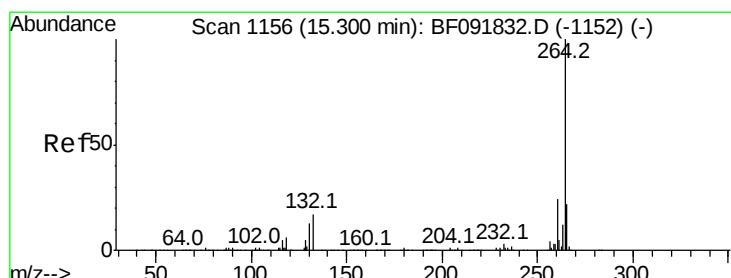
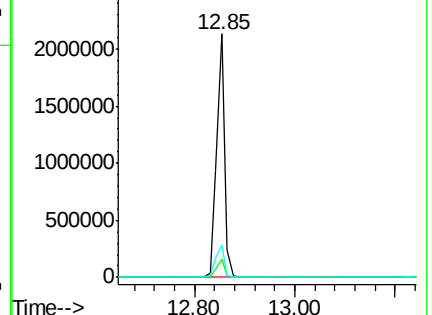
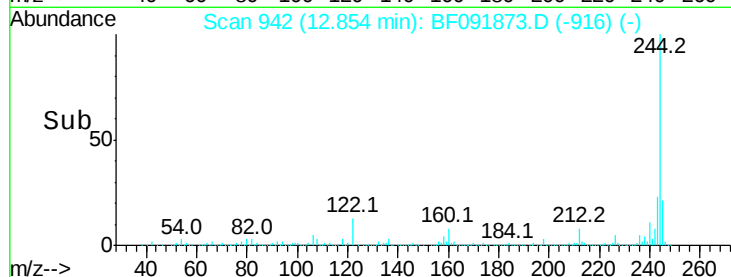
122 13.5 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091873.D

Acq: 22 Dec 2016 9:22

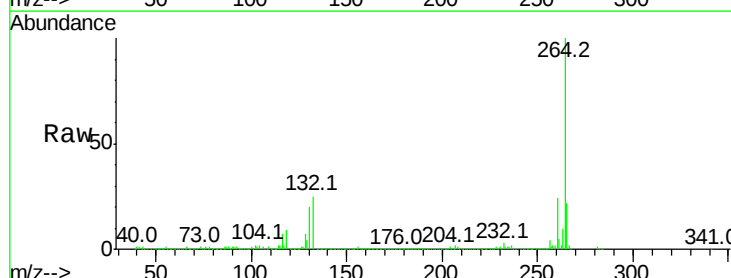
Tgt Ion:264 Resp: 607966

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.5 17.4 26.0



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

