

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
 Data File : BF094300.D
 Acq On : 8 Apr 2017 5:17
 Operator : SJ/MA
 Sample : I2528-01DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-1DL

Quant Time: Apr 08 06:00:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

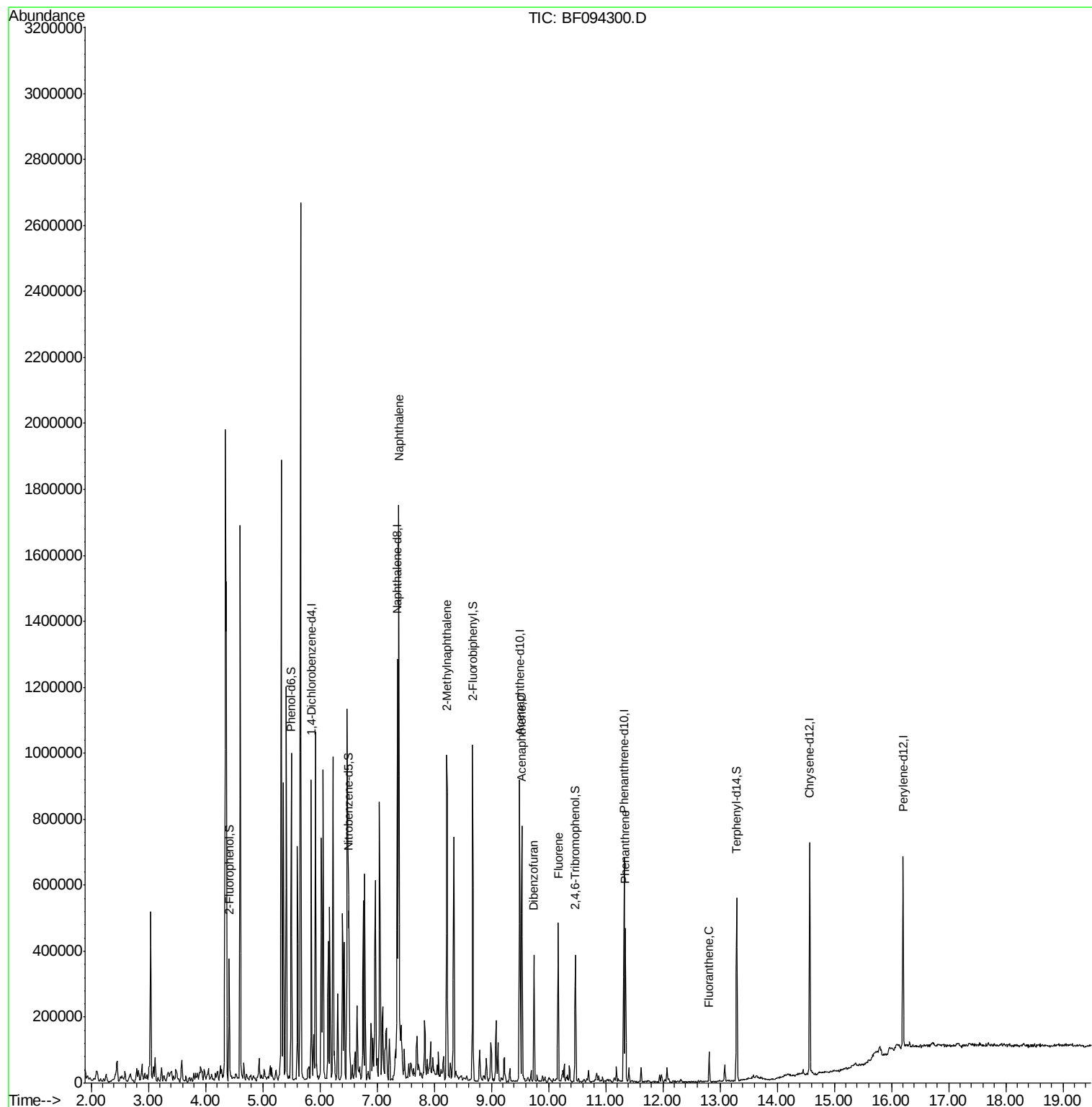
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	138526	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	516065	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	201442	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	291025	20.00	ng	0.00
75) Chrysene-d12	14.57	240	269994	20.00	ng	0.00
86) Perylene-d12	16.20	264	226321	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.41	112	105086	12.81	ng	0.02
7) Phenol-d6	5.49	99	76514	7.54	ng	0.03
23) Nitrobenzene-d5	6.50	82	164135	18.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	36276	22.79	ng	0.00
44) 2-Fluorobiphenyl	8.67	172	315509	23.89	ng	-0.01
78) Terphenyl-d14	13.29	244	170826	14.18	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.38	128	782871	31.55	ng	100
37) 2-Methylnaphthalene	8.22	142	290722	17.58	ng	99
51) Acenaphthene	9.53	154	167804	13.60	ng	97
54) Dibenzofuran	9.75	168	158109	9.42	ng	98
57) Fluorene	10.17	166	142458	10.23	ng	100
70) Phenanthrene	11.35	178	183436	11.33	ng	98
74) Fluoranthene	12.81	202	36953	2.23	ng	96

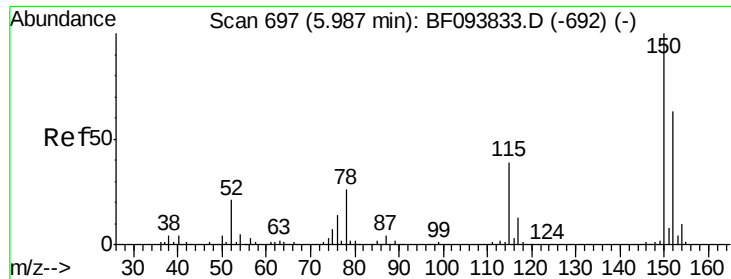
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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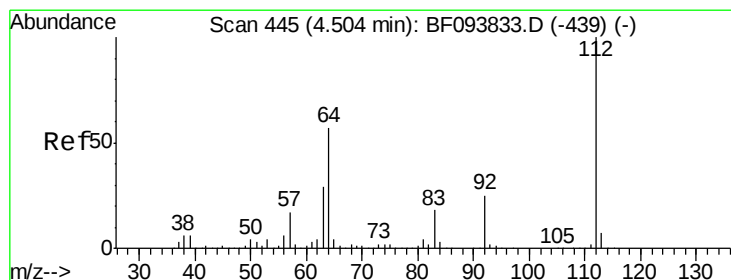
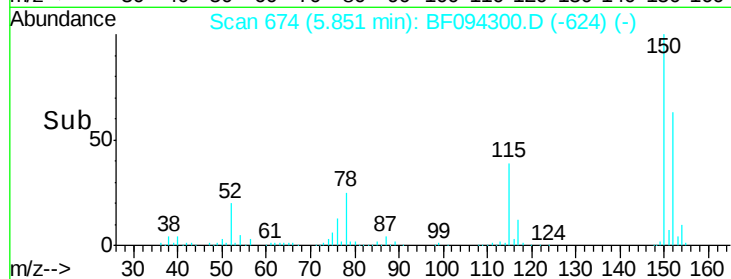
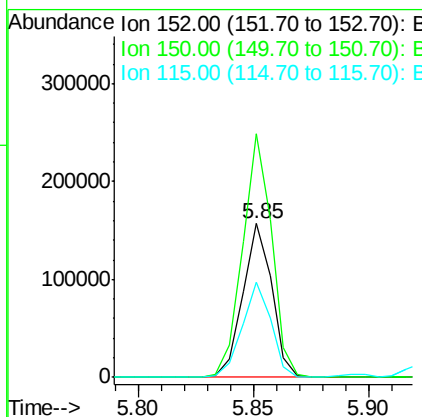
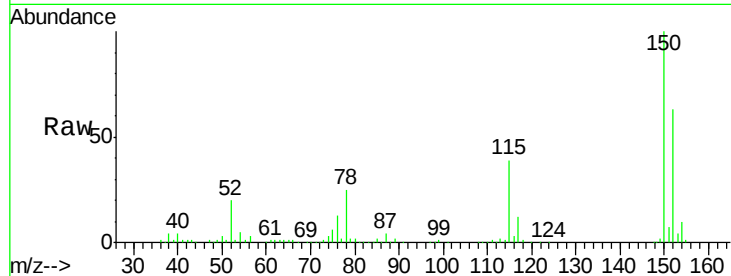


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

Instrument :
BNA_F
ClientSampleId :
TW-1DL

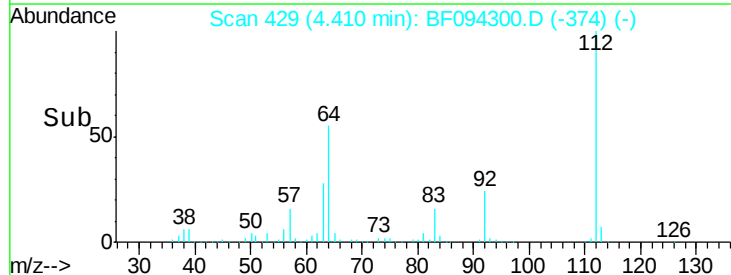
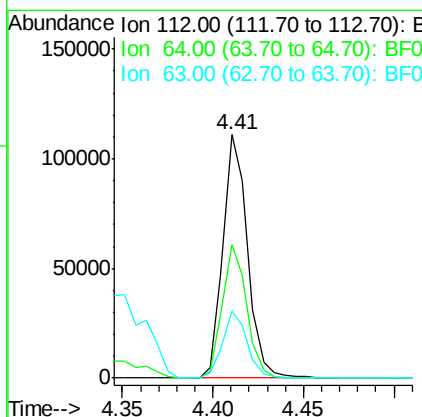
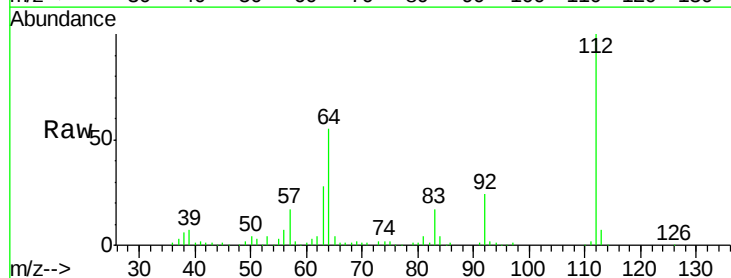
Tot Ion:152 Resp: 138526
Ion Ratio Lower Upper
152 100
150 158.4 126.2 189.2
115 61.6 52.2 78.2

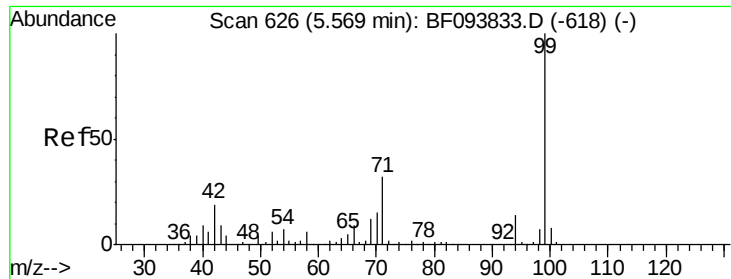


#5

2-Fluorophenol
Concen: 12.81 ng
RT: 4.41 min Scan# 429
Delta R.T. 0.02 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

Tgt Ion:112 Resp: 105086
Ion Ratio Lower Upper
112 100
64 54.9 46.0 69.0
63 27.6 23.4 35.0





#7

Phenol-d6

Concen: 7.54 ng

RT: 5.49 min Scan# 613

Delta R.T. 0.03 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

Instrument :

BNA_F

ClientSampleId :

TW-1DL

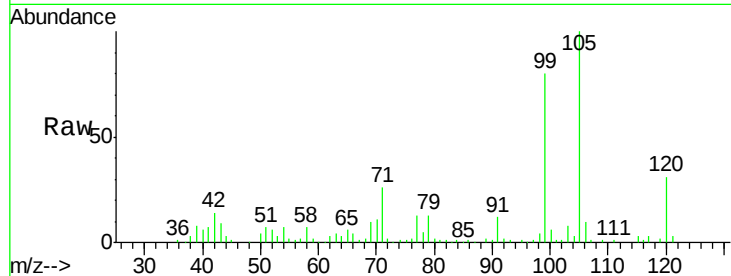
Tot Ion: 99 Resp: 76514

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

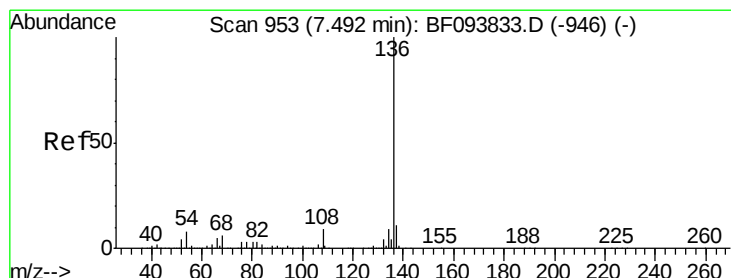
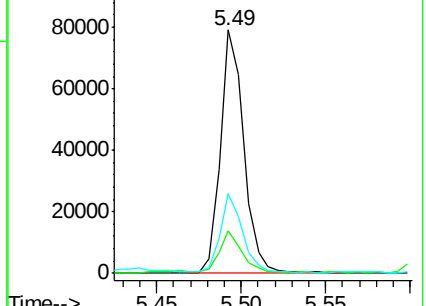
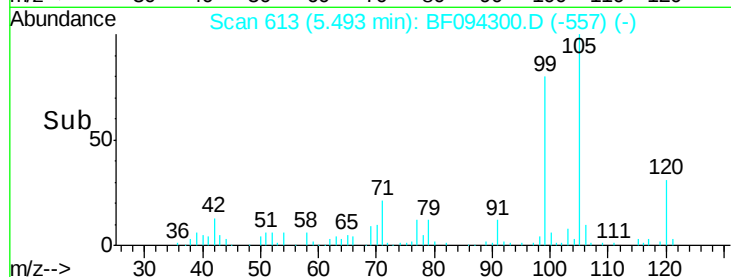
71 33.0 24.5 36.7



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: 20.00 ng

RT: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

Tgt Ion: 136 Resp: 516065

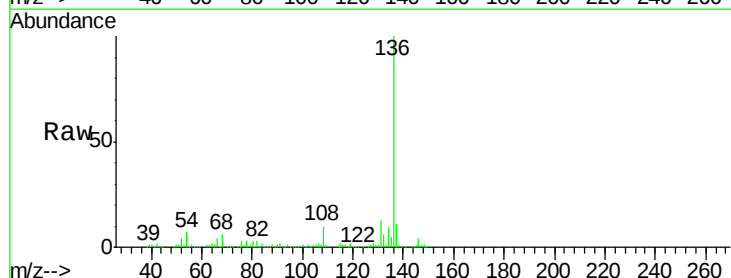
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.2 4.9 7.3

68 5.5 4.1 6.1

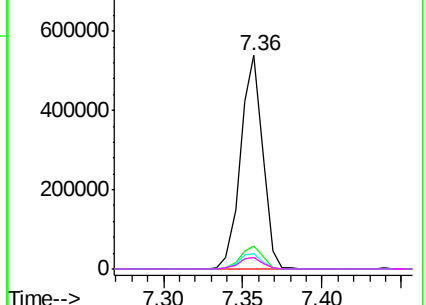
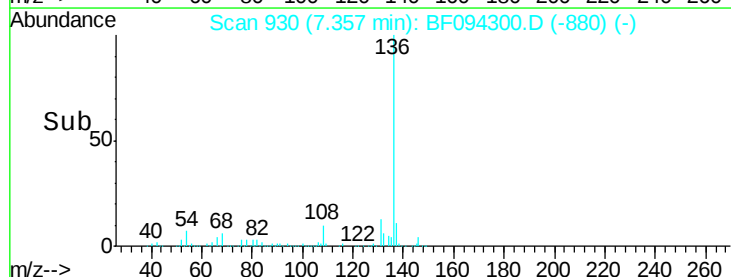


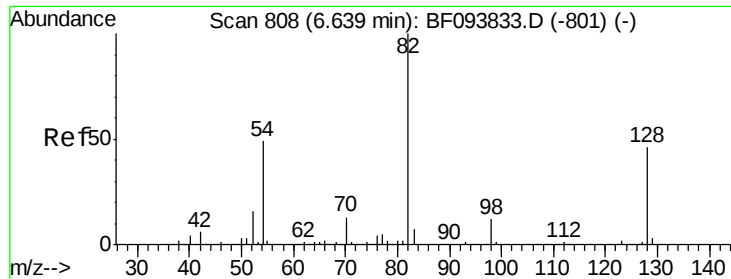
Abundance Ion 136.00 (135.70 to 136.70): E

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

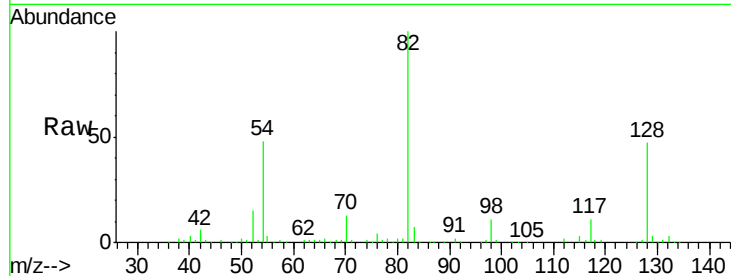




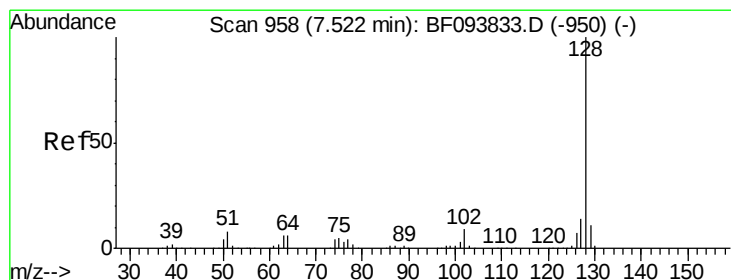
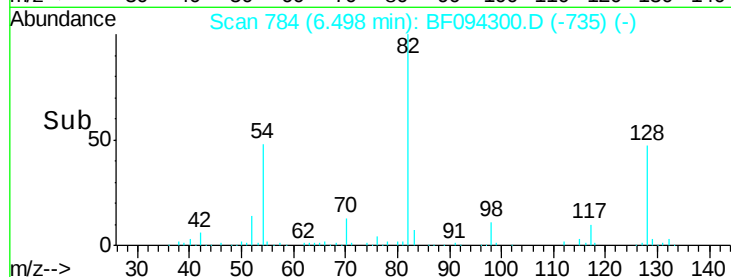
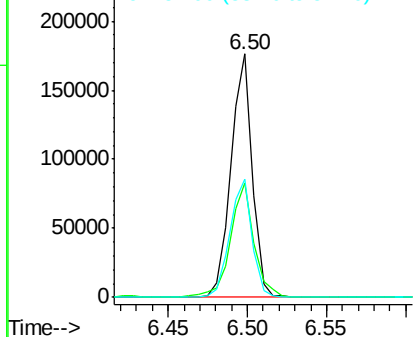
#23
 Nitrobenzene-d5
 Concen: 18.15 ng
 RT: 6.50 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Instrument :
 BNA_F
 ClientSampleID :
 TW-1DL

Tot Ion	82	Resp	164135
Ion Ratio	Lower	Upper	
82	100		
128	46.7	34.0	51.0
54	48.4	42.2	63.2

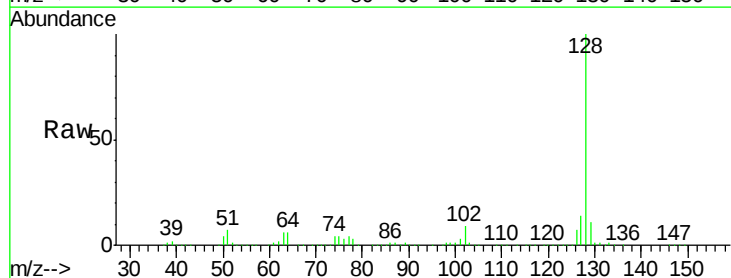


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

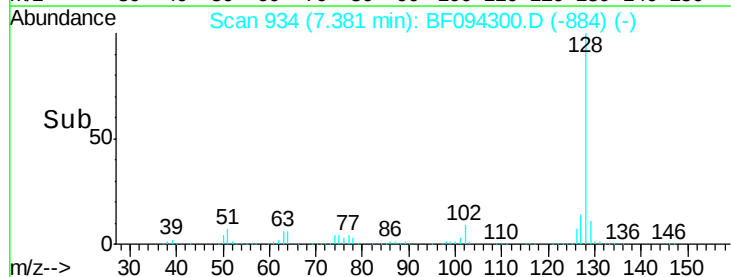
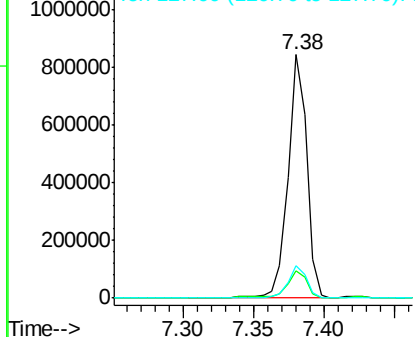


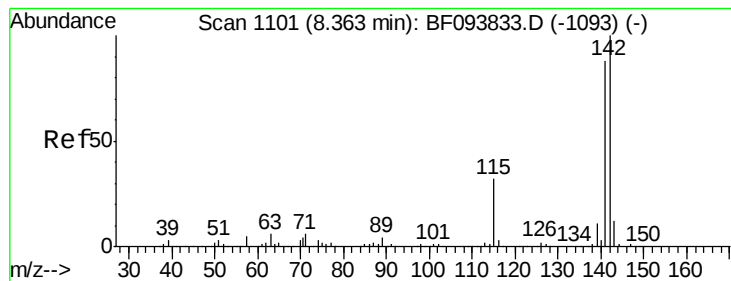
#31
 Naphthalene
 Concen: 31.55 ng
 RT: 7.38 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Tgt Ion	128	Resp	782871
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	13.6	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





#37

2-Methylnaphthalene

Concen: 17.58 ng

RT: 8.22 min Scan# 1077

Delta R.T. -0.01 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

Instrument :

BNA_F

ClientSampleId :

TW-1DL

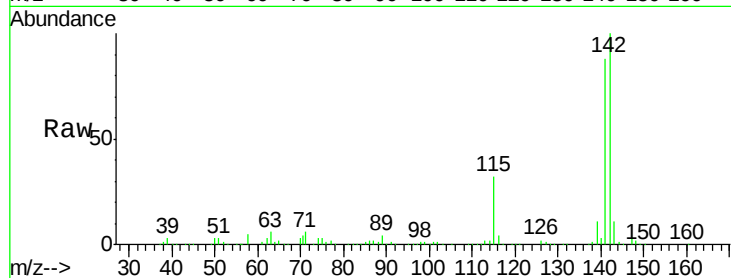
Tot Ion:142 Resp: 290722

Ion Ratio Lower Upper

142 100

141 88.1 71.3 106.9

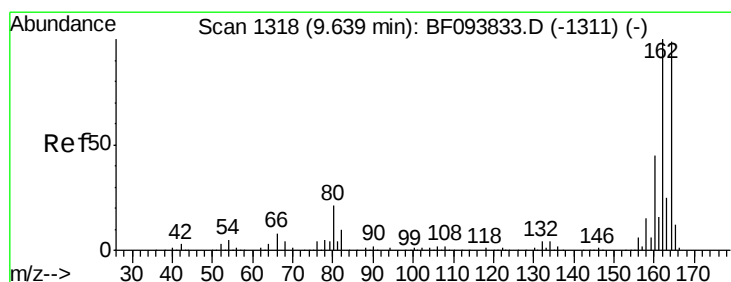
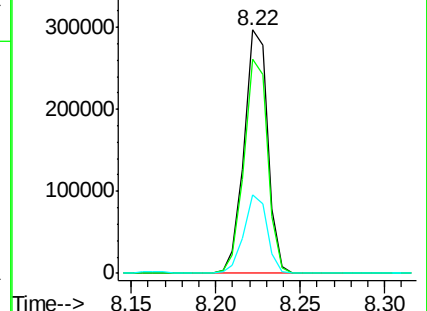
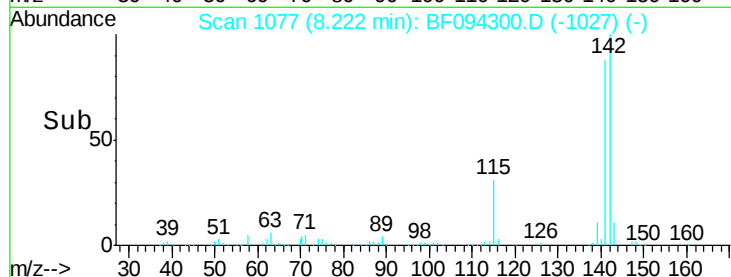
115 32.5 27.1 40.7



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: 20.00 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

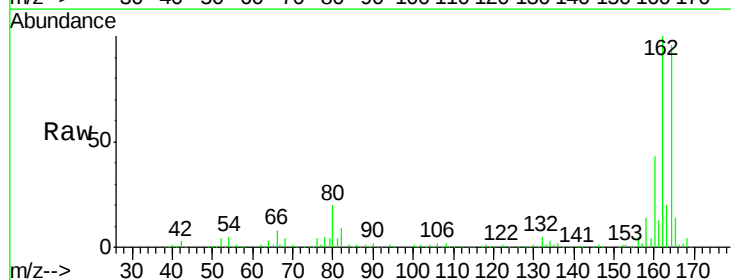
Tgt Ion:164 Resp: 201442

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

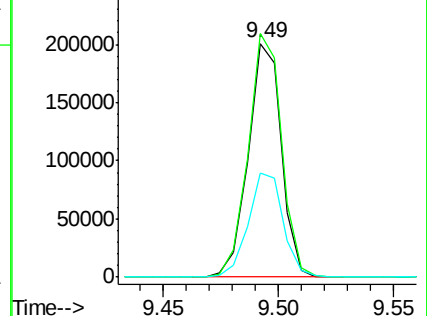
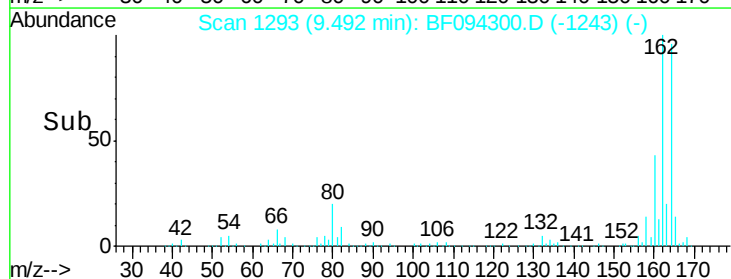
160 44.5 36.2 54.2

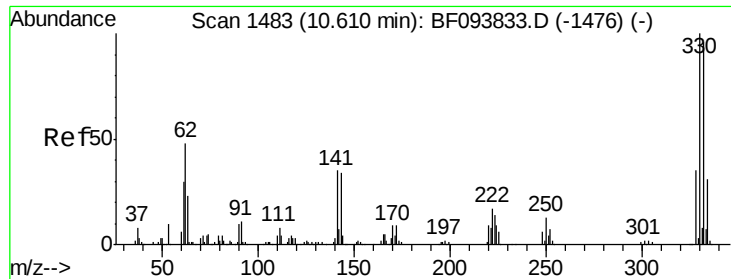


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

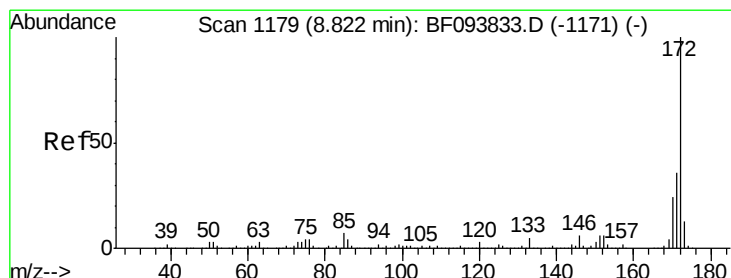
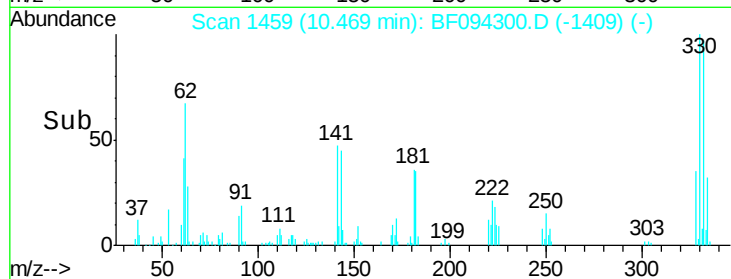
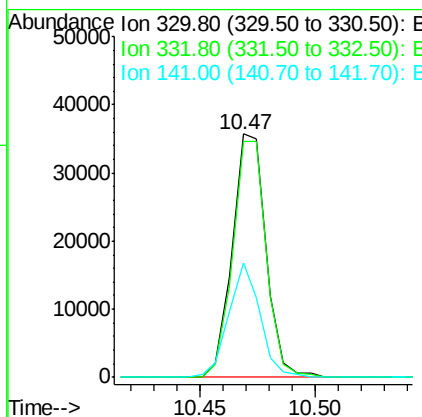
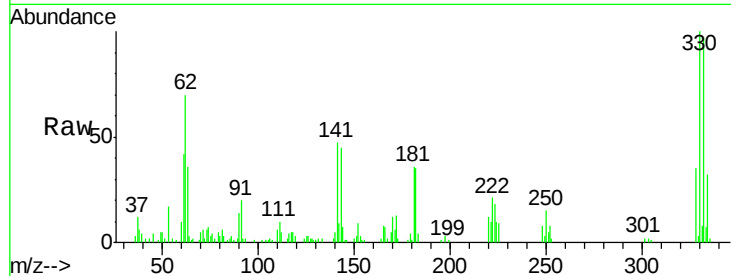




#41
 2,4,6-Tribromophenol
 Concen: 22.79 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

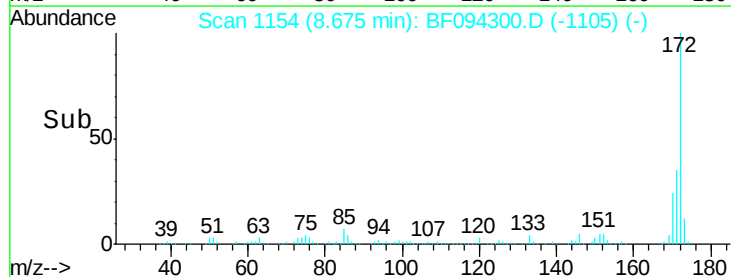
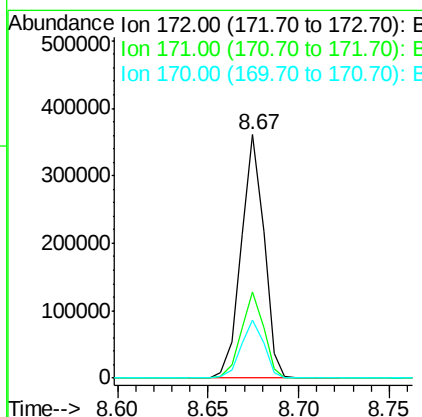
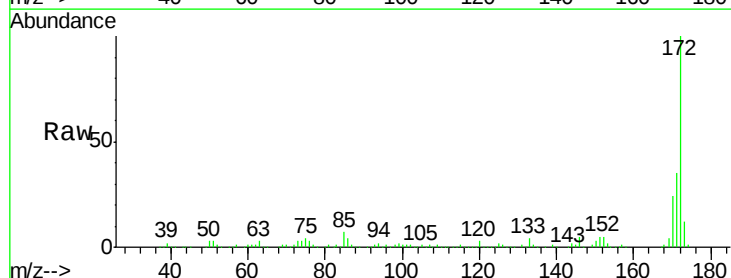
Instrument :
 BNA_F
 ClientSampled :
 TW-1DL

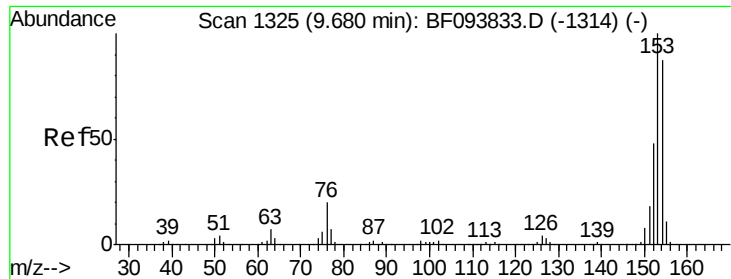
Tot Ion:330 Resp: 36276
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 43.6 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 23.89 ng
 RT: 8.67 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Tgt Ion:172 Resp: 315509
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.7 19.8 29.8





#51

Acenaphthene

Concen: 13.60 ng

RT: 9.53 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

Instrument :

BNA_F

ClientSampleId :

TW-1DL

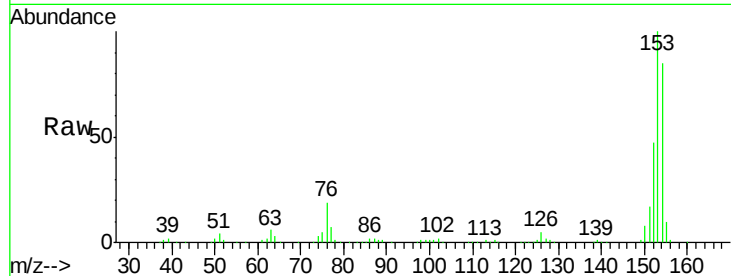
Tot Ion:154 Resp: 167804

Ion Ratio Lower Upper

154 100

153 117.3 90.5 135.7

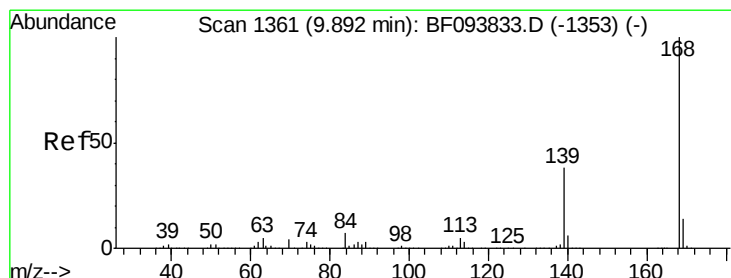
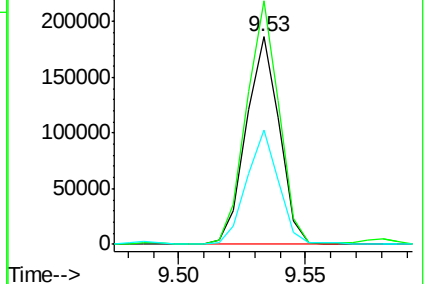
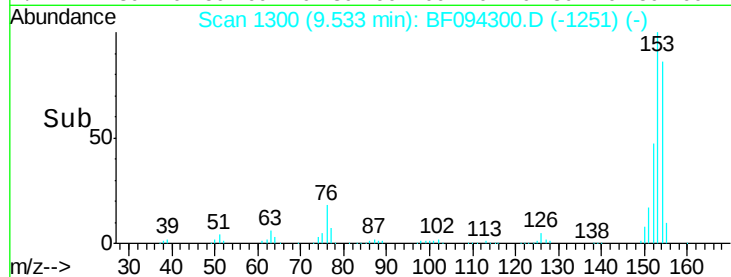
152 55.0 43.6 65.4



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



#54

Dibenzofuran

Concen: 9.42 ng

RT: 9.75 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

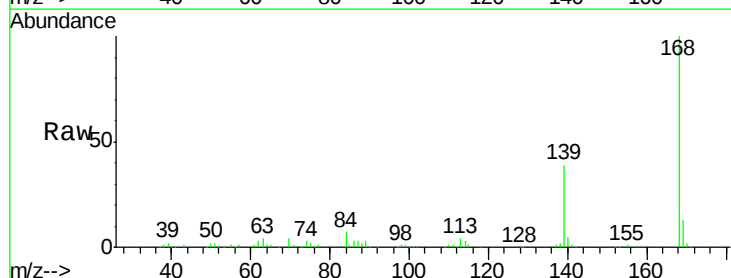
Tgt Ion:168 Resp: 158109

Ion Ratio Lower Upper

168 100

139 39.3 30.6 45.8

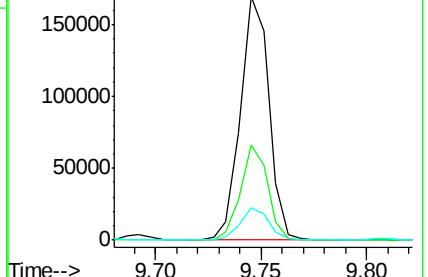
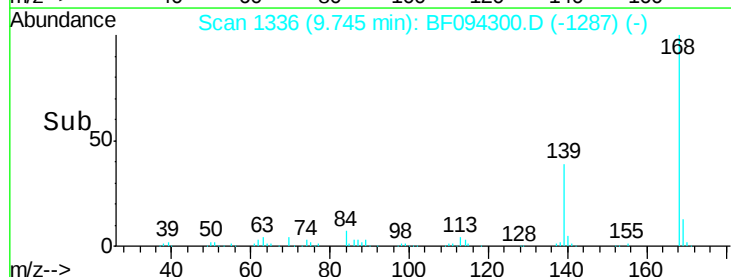
169 13.2 10.8 16.2

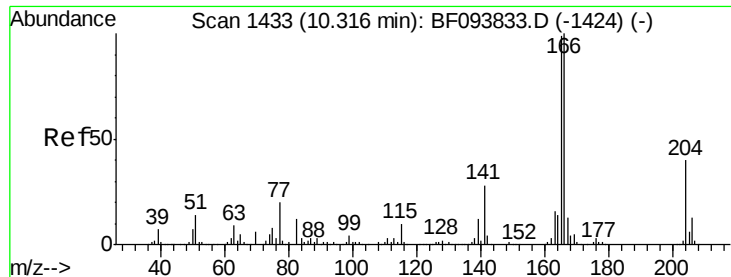


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

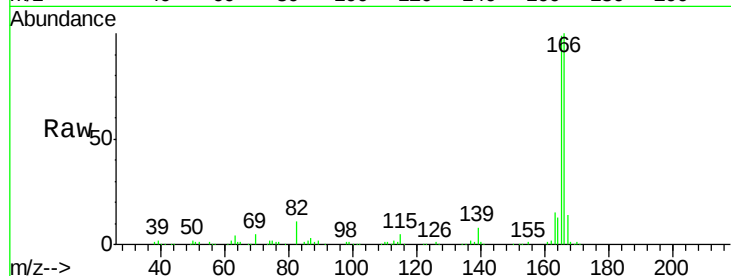




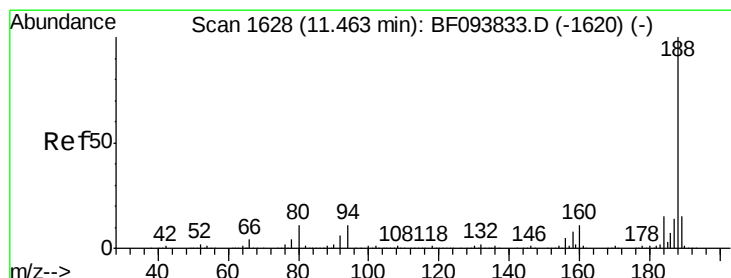
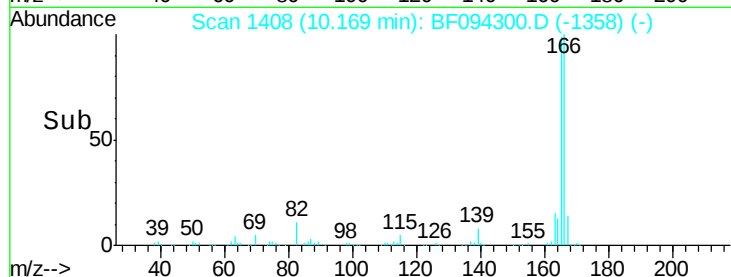
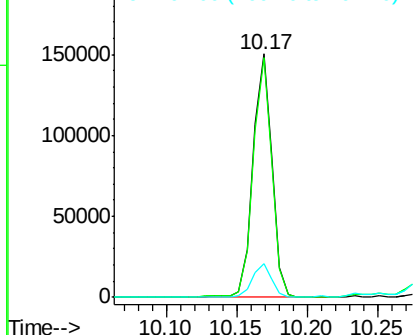
#57
Fluorene
 Concen: 10.23 ng
 RT: 10.17 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Instrument :
 BNA_F
 ClientSampleId :
 TW-1DL

Tot Ion:166 Resp: 142458
 Ion Ratio Lower Upper
 166 100
 165 98.6 78.8 118.2
 167 13.9 10.6 16.0

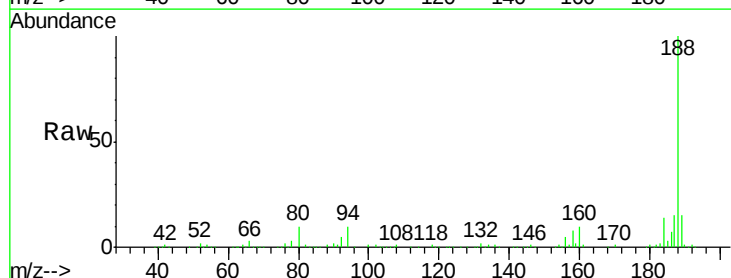


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

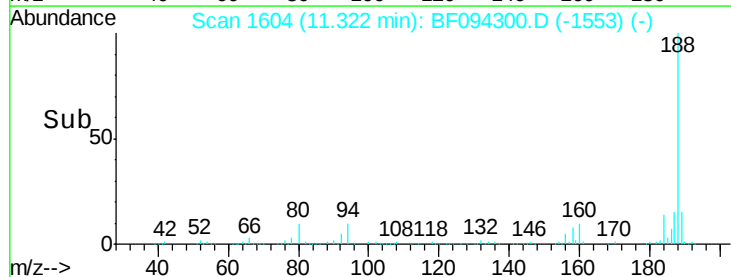
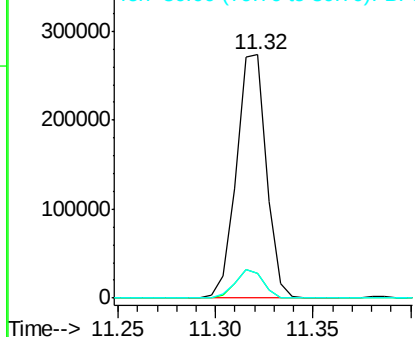


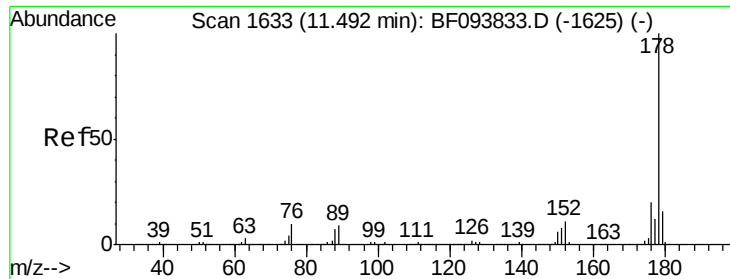
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Tgt Ion:188 Resp: 291025
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 10.2 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

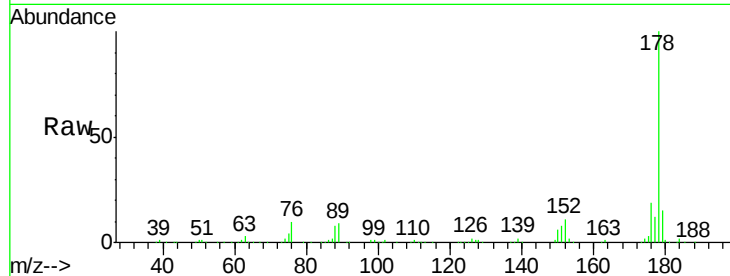




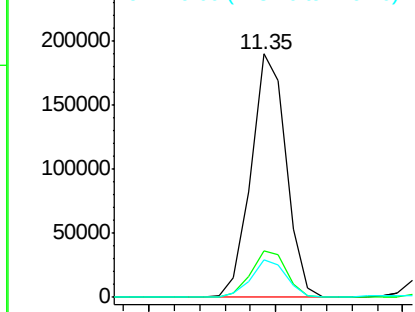
#70
 Phenanthrene
 Concen: 11.33 ng
 RT: 11.35 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Instrument :
 BNA_F
 ClientSampleId :
 TW-1DL

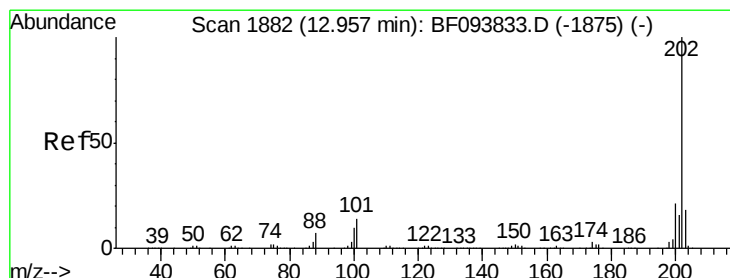
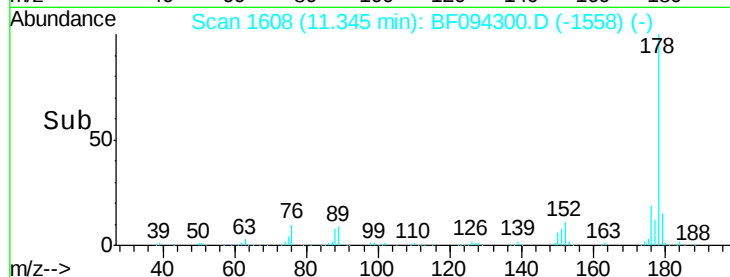
Tot Ion:178 Resp: 183436
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.2 12.6 19.0



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

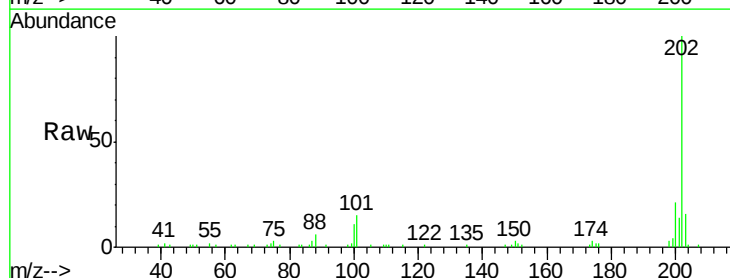


Time--> 11.30 11.35

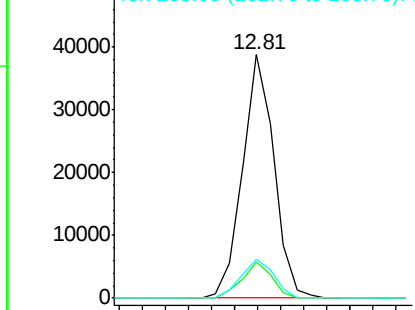


#74
 Fluoranthene
 Concen: 2.23 ng
 RT: 12.81 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

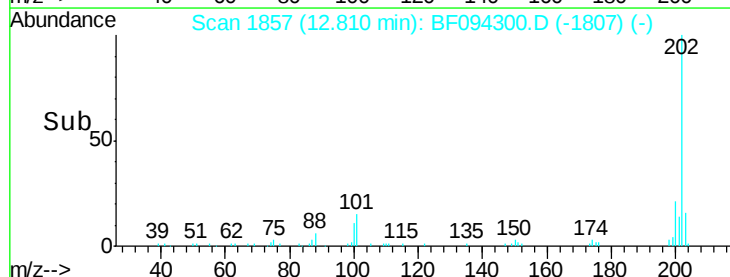
Tgt Ion:202 Resp: 36953
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 33.2
 203 16.2 0.0 38.1

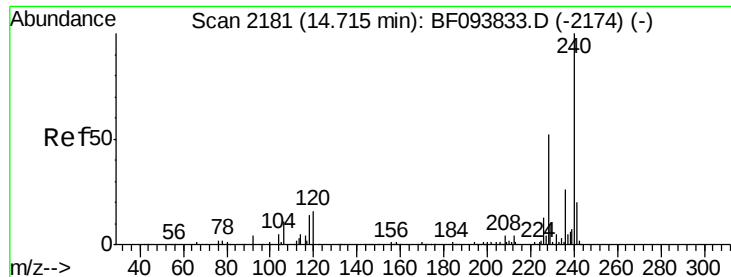


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



Time--> 12.75 12.80 12.85





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.57 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

Instrument :

BNA_F

ClientSampleId :

TW-1DL

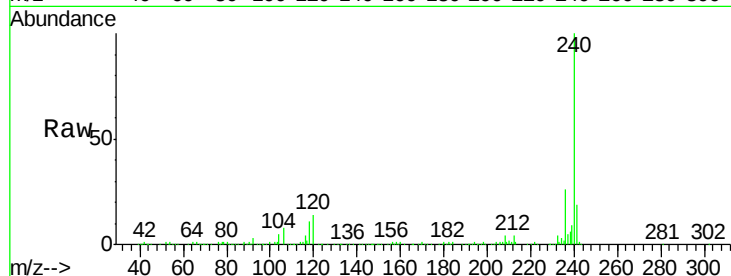
Tot Ion:240 Resp: 269994

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

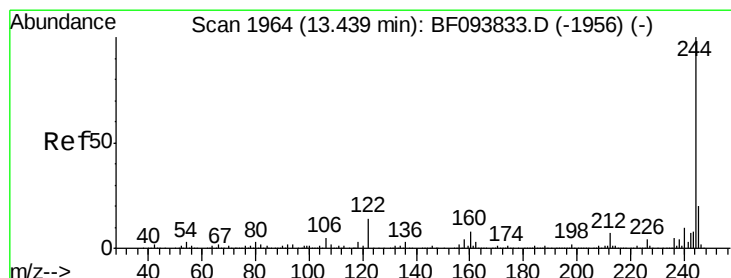
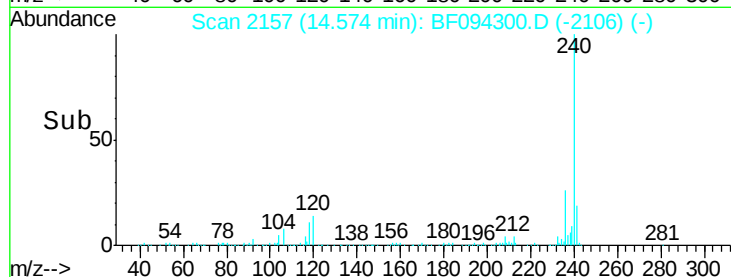
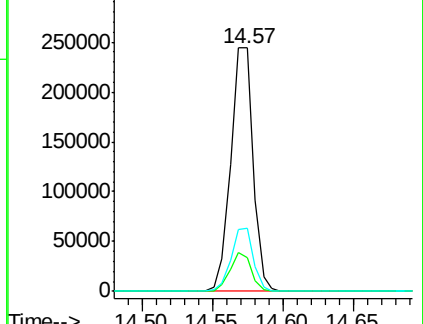
236 25.8 20.5 30.7



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: 14.18 ng

RT: 13.29 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

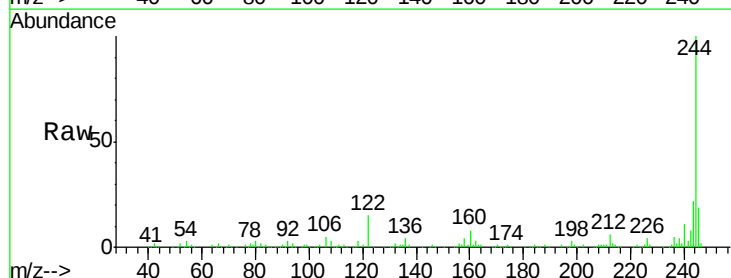
Tgt Ion:244 Resp: 170826

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

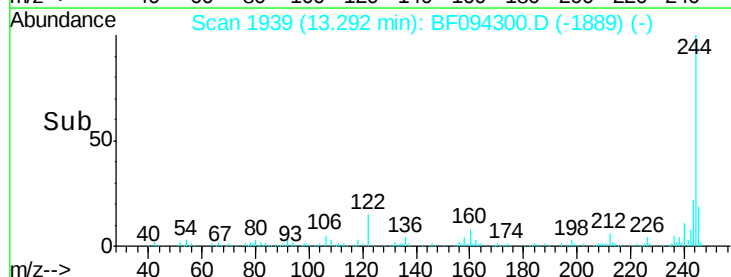
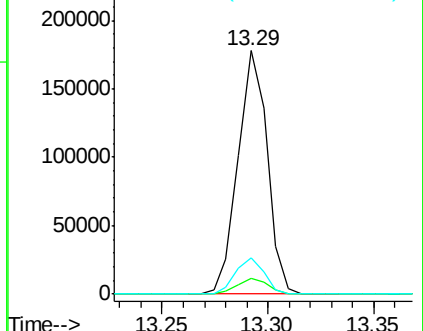
122 15.1 10.3 15.5

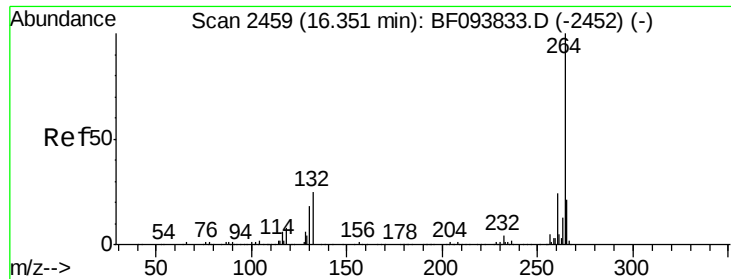


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

Instrument :
BNA_F
ClientSampleId :
TW-1DL

Tot Ion:264 Resp: 226321

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.0	17.2	25.8

