

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 05:57:55 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

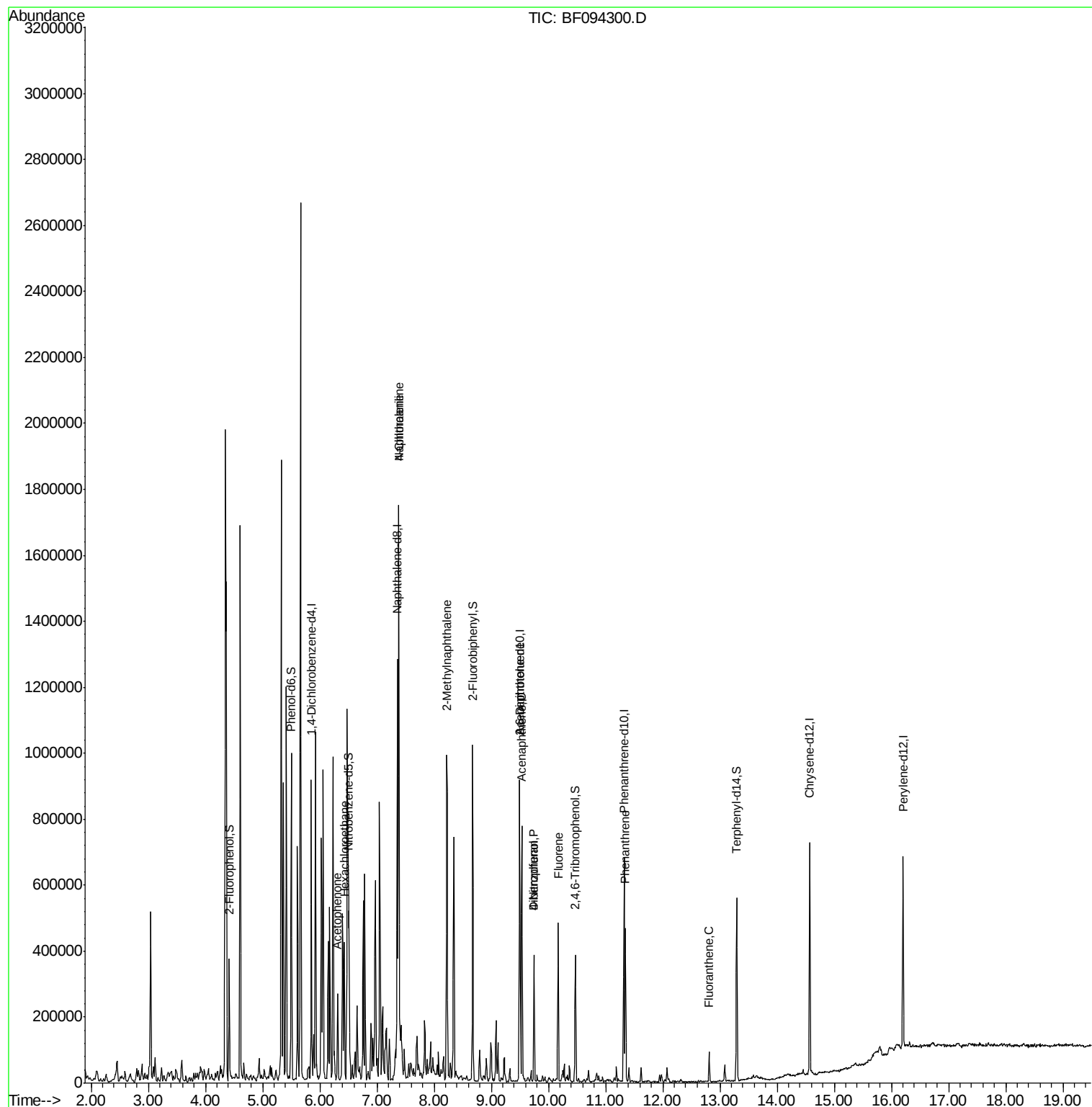
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	138526	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	516065	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	201442	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	291025	20.00	ng	0.00
75) Chrysene-d12	14.57	240	269994	20.00	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
18) Hexachloroethane	6.43	117	12789	3.55	ng	# 1
22) Acetophenone	6.31	105	106150	9.23	ng	# 50
31) Naphthalene	7.38	128	782871	31.55	ng	100
33) 4-Chloroaniline	7.38	127	107575	10.70	ng	# 33
37) 2-Methylnaphthalene	8.22	142	290722	17.58	ng	99
50) 2,6-Dinitrotoluene	9.49	165	28345	8.64	ng	# 36
51) Acenaphthene	9.53	154	167804	13.60	ng	97
54) Dibenzofuran	9.75	168	158109	9.42	ng	98
55) 4-Nitrophenol	9.75	139	59065	19.57	ng	# 27
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

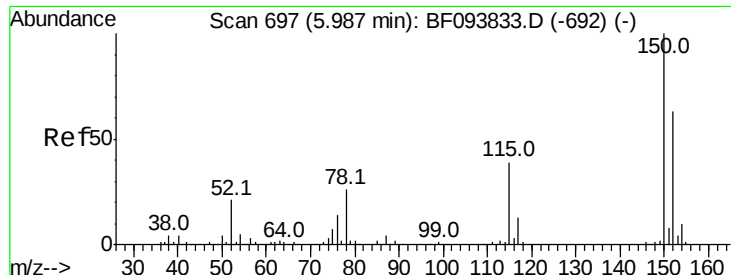
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#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

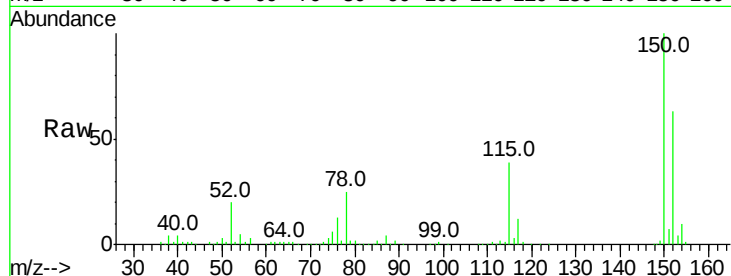
Tot Ion:152 Resp: 138526

Ion Ratio Lower Upper

152 100

150 158.4 126.2 189.2

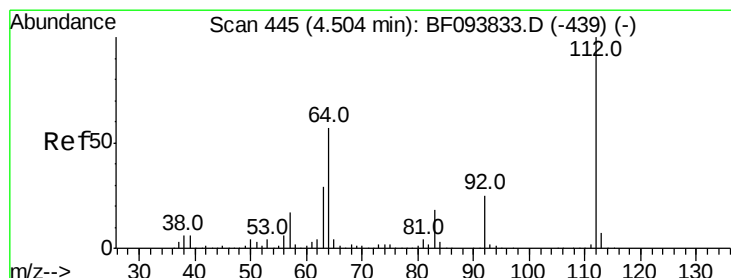
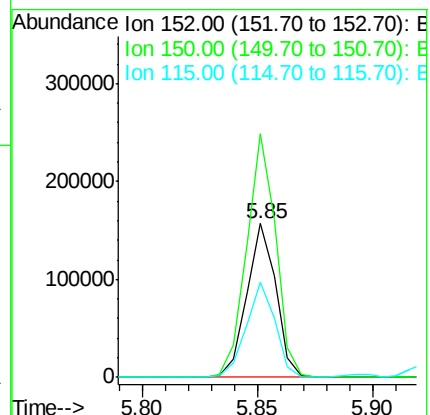
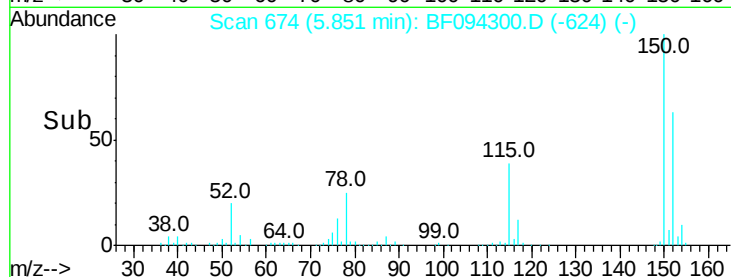
115 61.6 52.2 78.2



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: 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

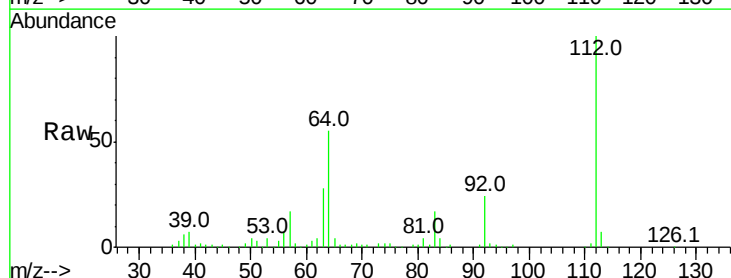
Tgt Ion:112 Resp: 105086

Ion Ratio Lower Upper

112 100

64 54.9 46.0 69.0

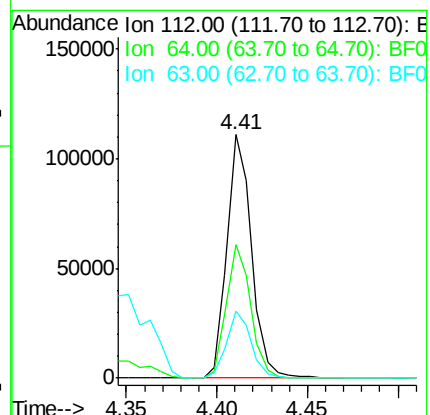
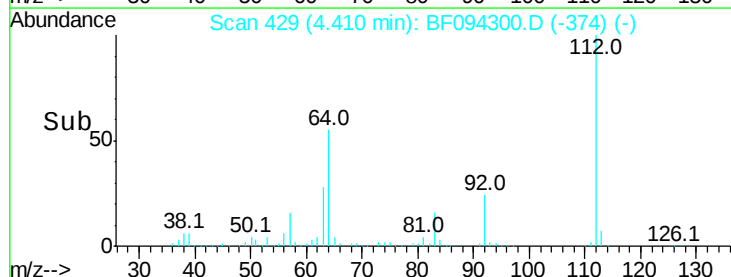
63 27.6 23.4 35.0

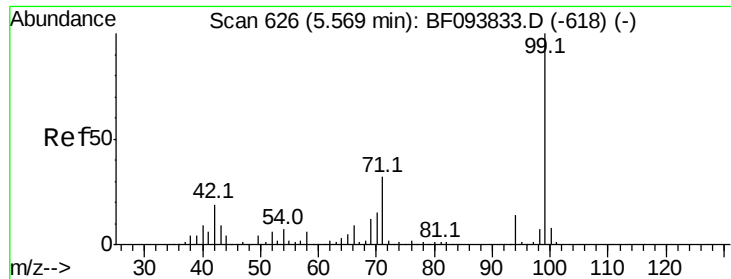


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 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

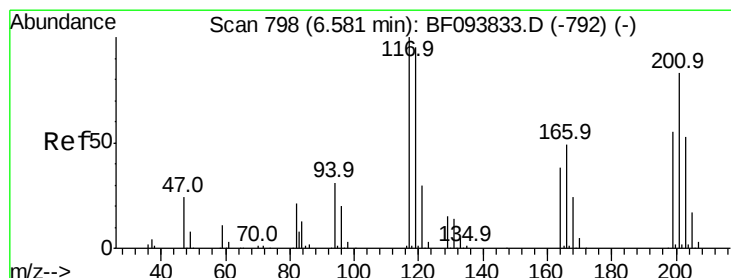
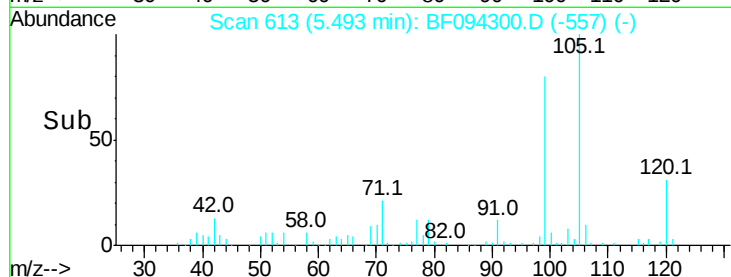
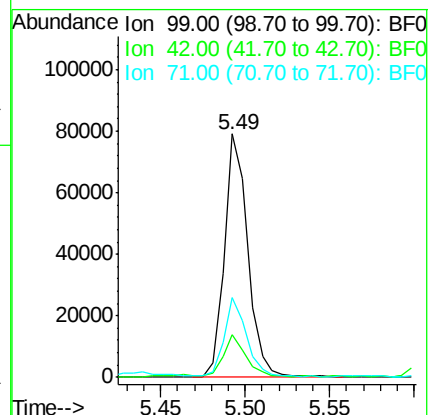
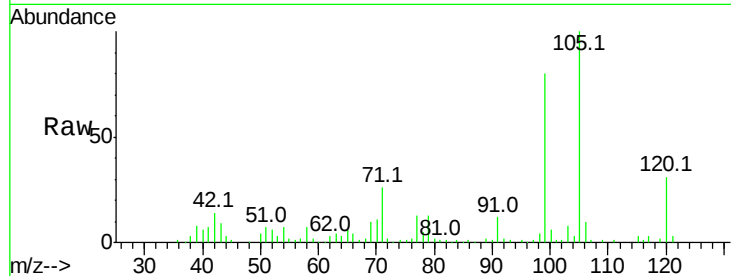
Tot Ion: 99 Resp: 76514

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 33.0 24.5 36.7



#18

Hexachloroethane

Concen: 3.55 ng

RT: 6.43 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

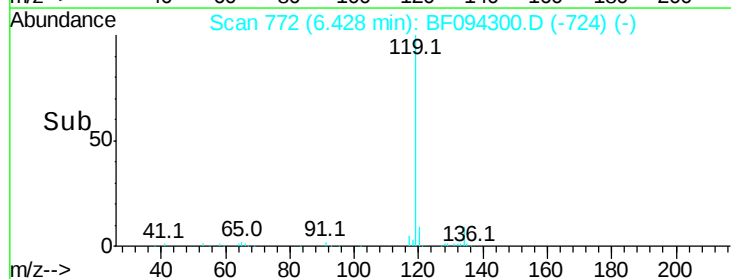
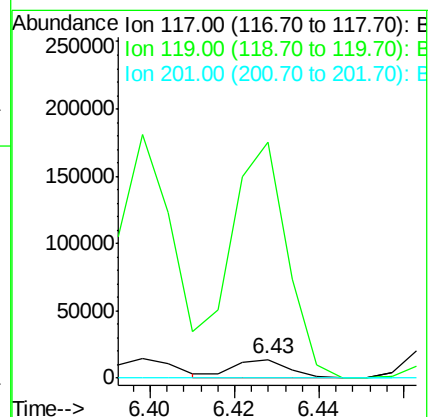
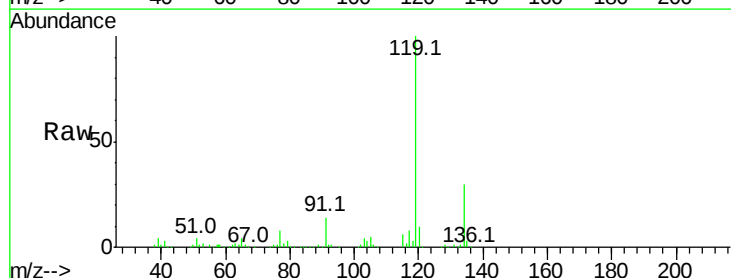
Tgt Ion: 117 Resp: 12789

Ion Ratio Lower Upper

117 100

119 1273.2 77.4 116.0#

201 0.0 94.6 141.8#





#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

Instrument :

BNA_F

ClientSampleId :

TW-1DL

Tot Ion:136 Resp: 516065

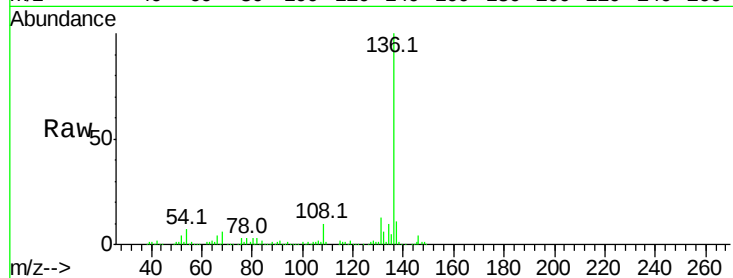
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.2 4.9 7.3

68 5.5 4.1 6.1

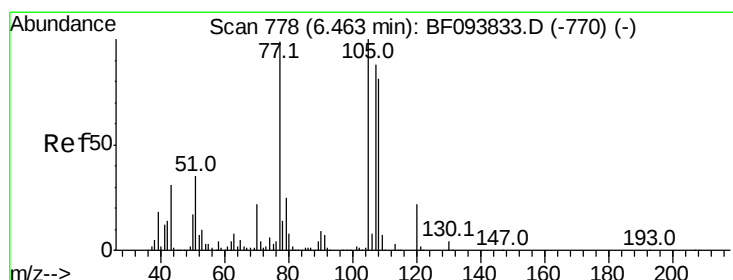
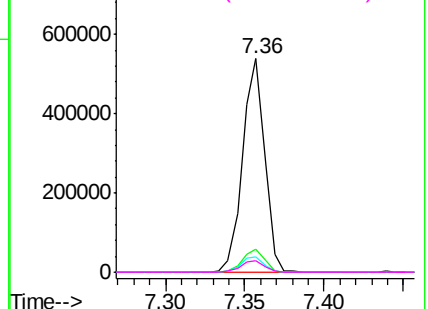
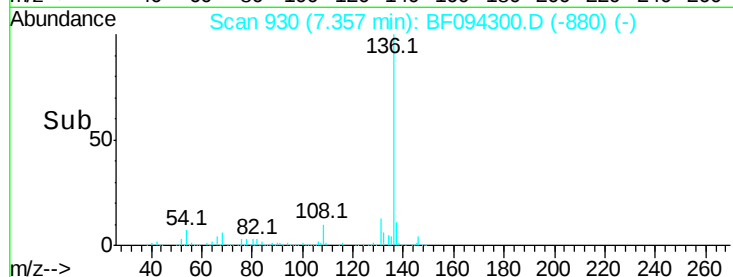


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 9.23 ng

RT: 6.31 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF094300.D

Acq: 8 Apr 2017 5:17

Tgt Ion:105 Resp: 106150

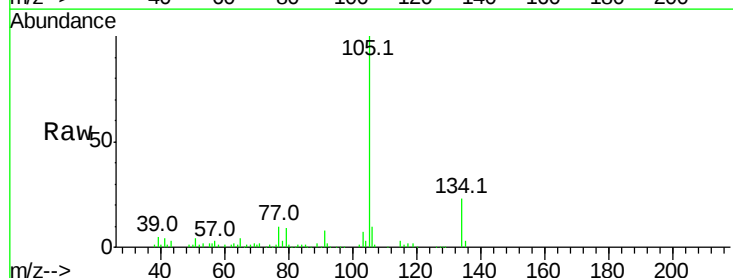
Ion Ratio Lower Upper

105 100

71 1.7 2.8 4.2#

51 3.7 30.7 46.1#

120 0.3 17.4 26.0#

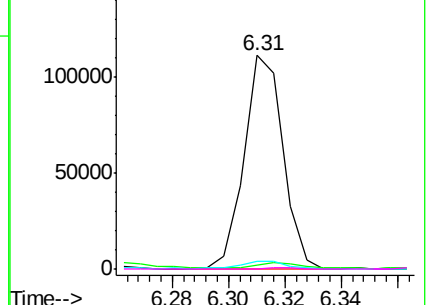
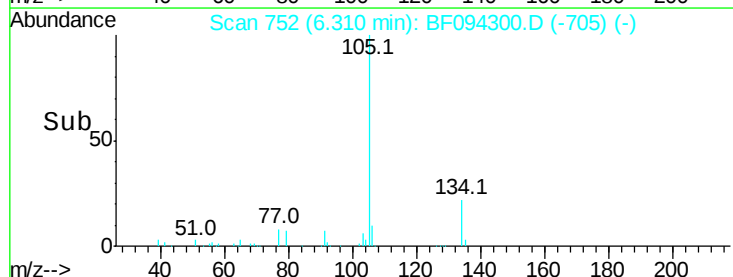


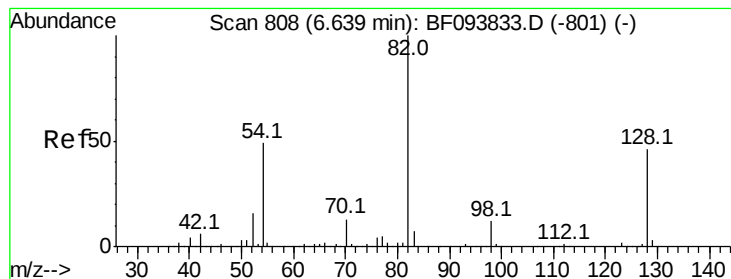
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#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

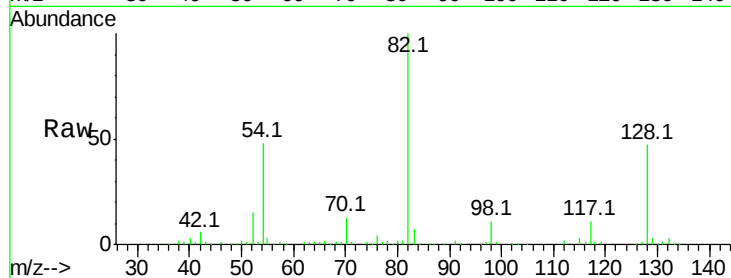
Tot Ion: 82 Resp: 164135

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

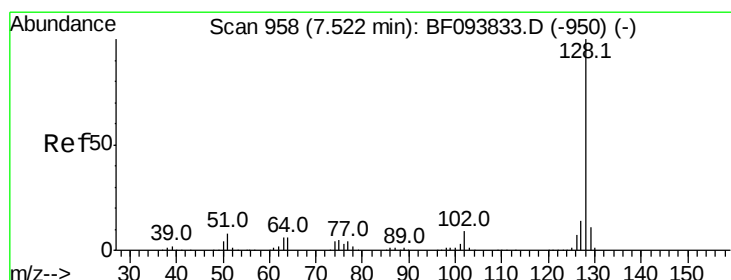
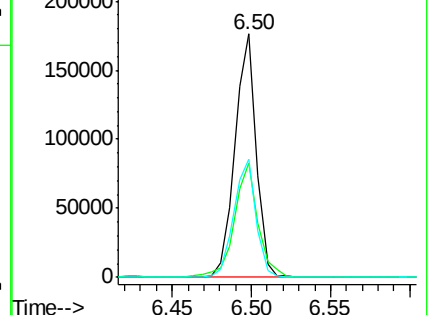
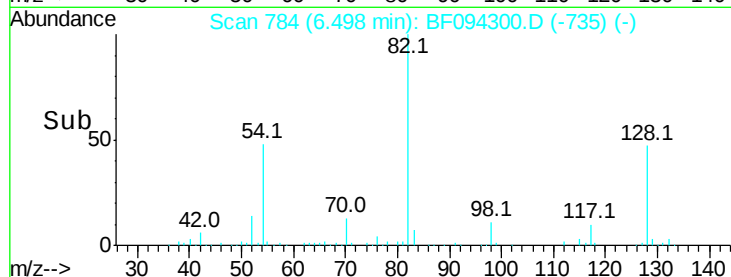
54 48.4 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

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

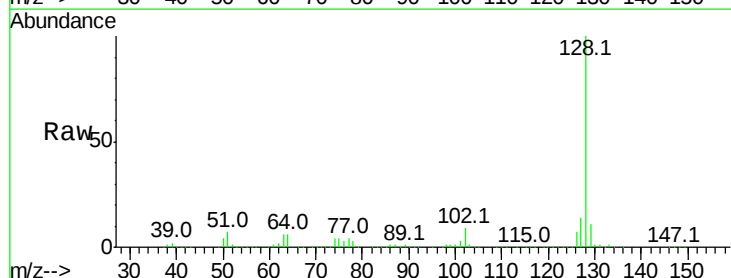
Tgt Ion:128 Resp: 782871

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

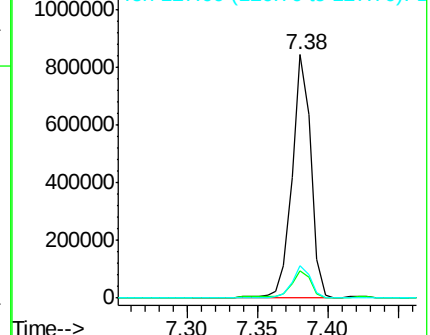
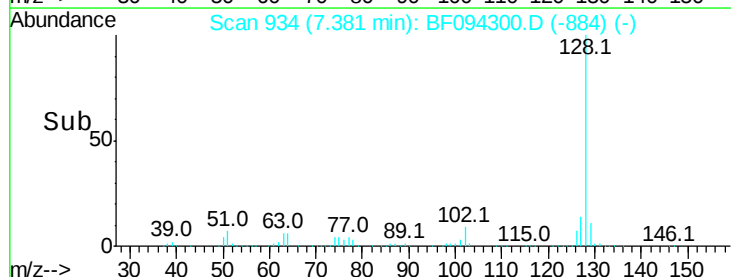
127 13.6 10.8 16.2

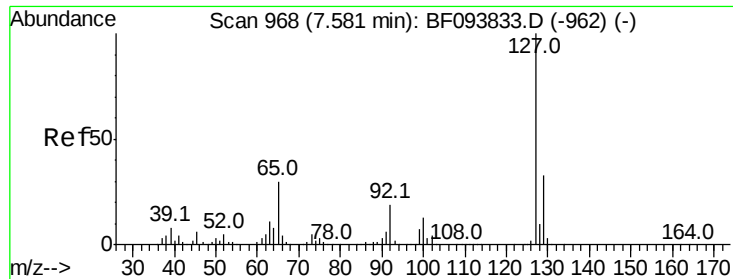


Abundance Ion 128.00 (127.70 to 128.70): B

Ion 129.00 (128.70 to 129.70): B

Ion 127.00 (126.70 to 127.70): B

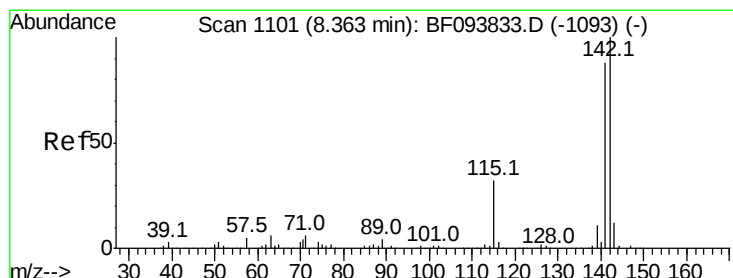
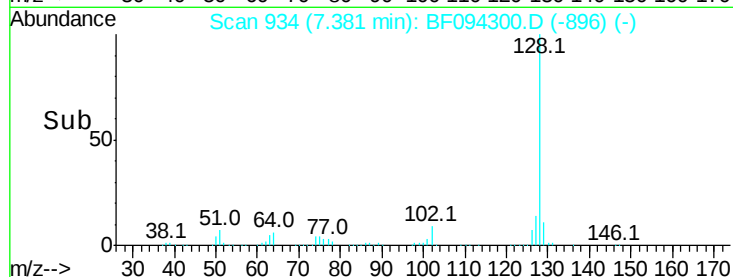
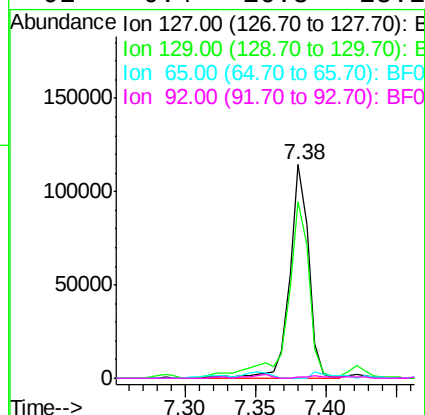
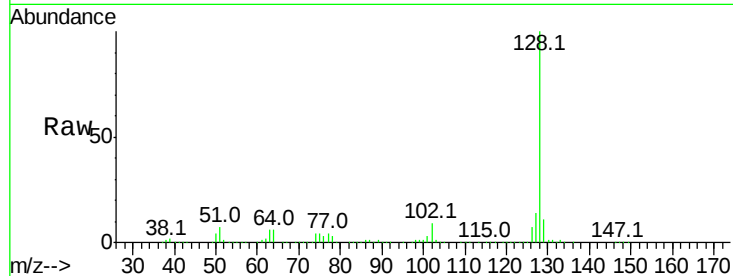




#33
4-Chloroaniline
Concen: 10.70 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.08 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

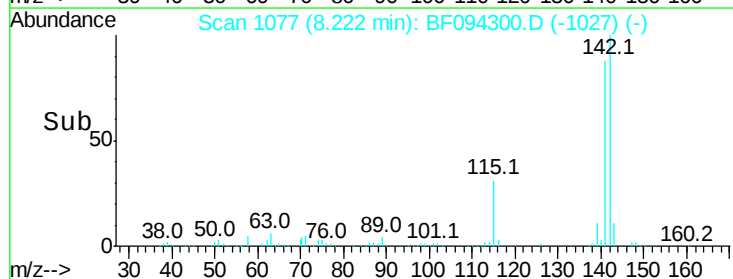
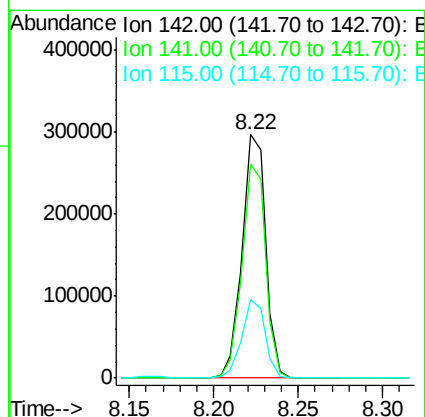
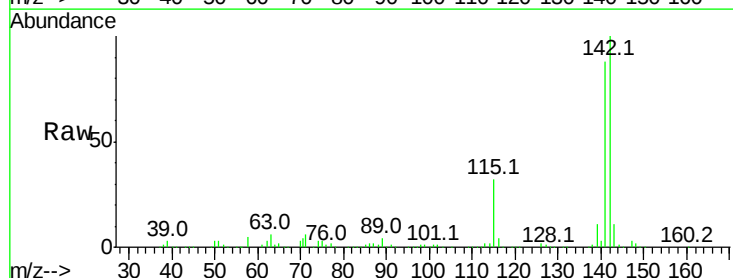
Instrument :
BNA_F
ClientSampleId :
TW-1DL

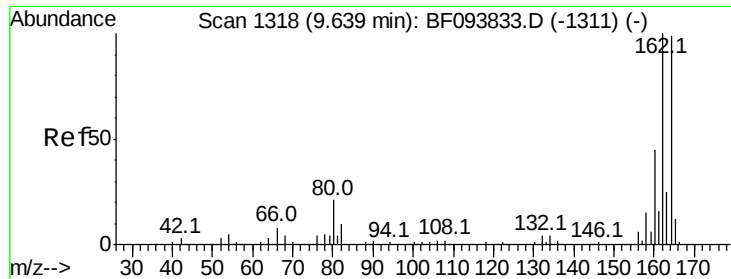
Tot Ion:	127	Resp:	107575
Ion	Ratio	Lower	Upper
127	100		
129	82.6	26.2	39.2#
65	0.0	27.8	41.8#
92	0.4	16.8	25.2#



#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

Tgt Ion:	142	Resp:	290722
Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	32.5	27.1	40.7

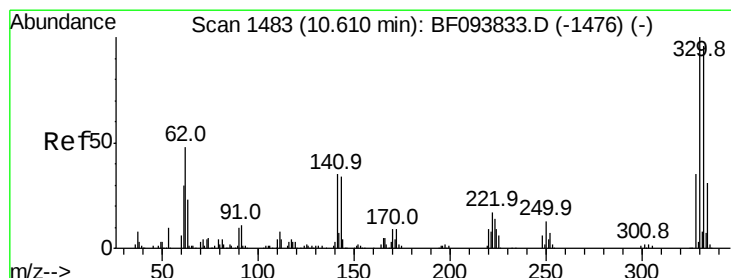
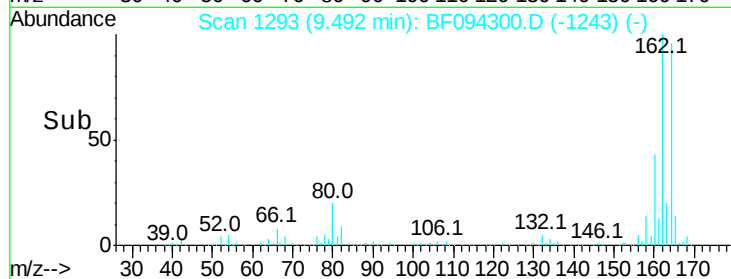
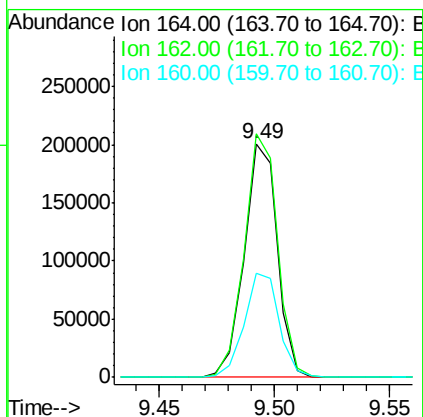
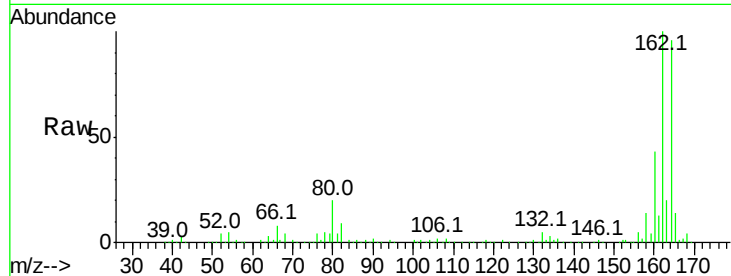




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

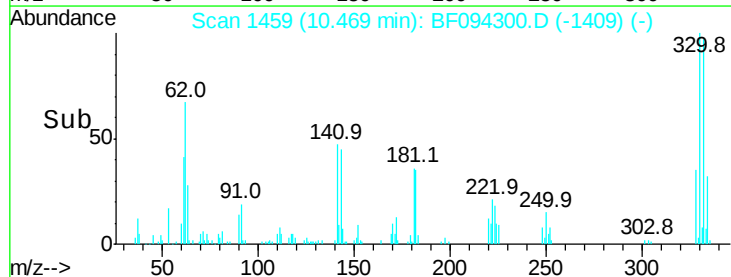
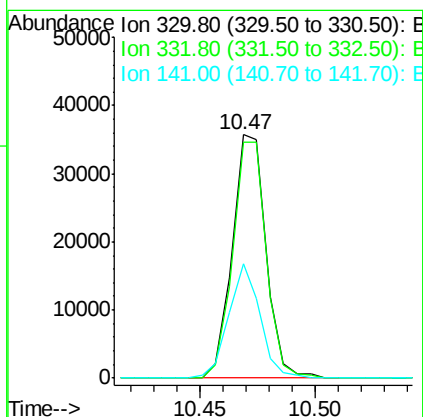
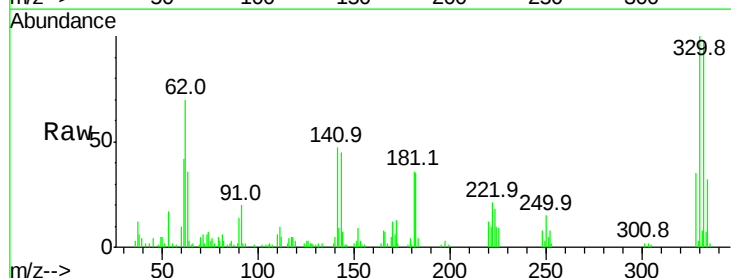
Instrument :
 BNA_F
 ClientSampled :
 TW-1DL

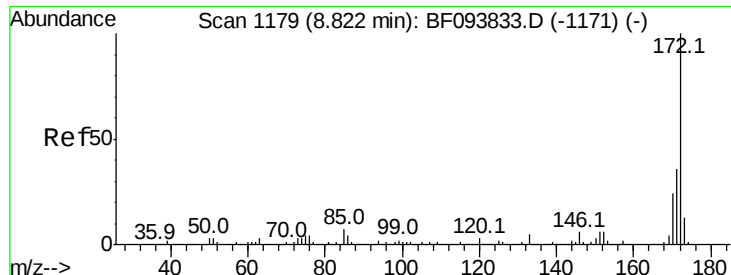
Tot Ion:164 Resp: 201442
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.6 123.8
 160 44.5 36.2 54.2



#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

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

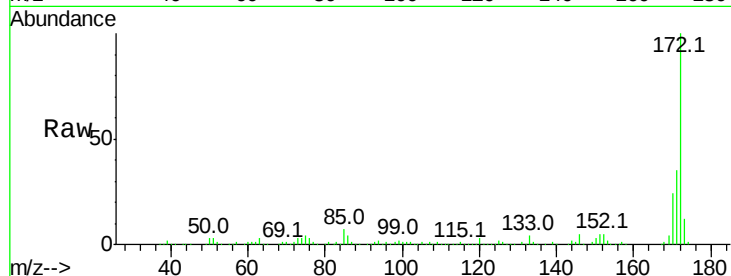




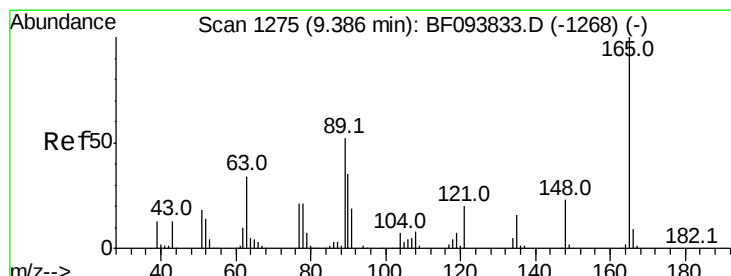
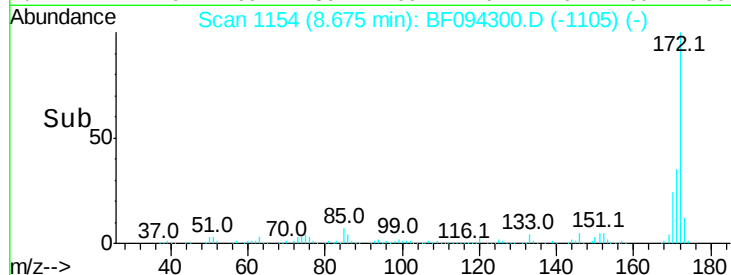
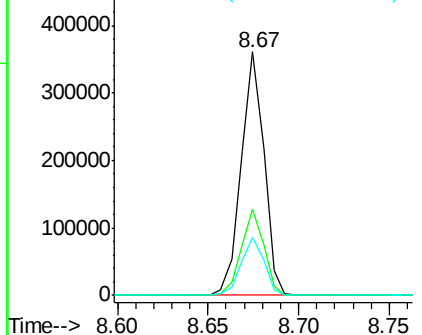
#44
 2-Fluorobiphenyl
 Concen: 23.89 ng
 RT: 8.67 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Instrument :
 BNA_F
 ClientSampleId :
 TW-1DL

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

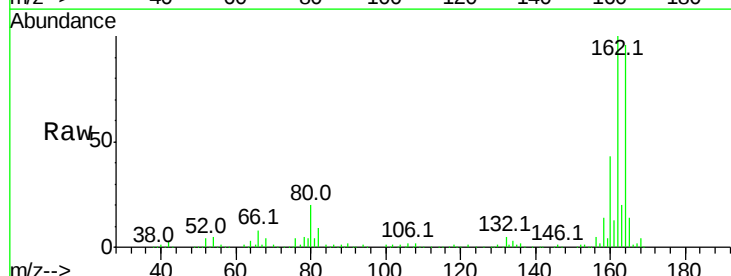


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

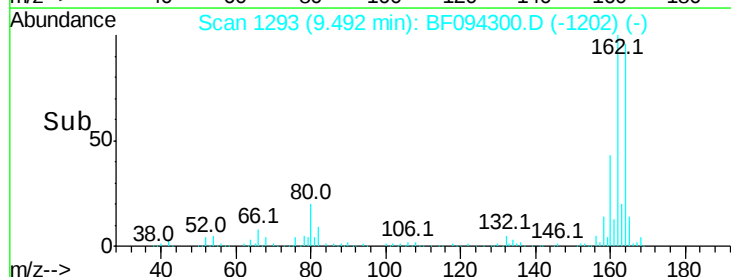
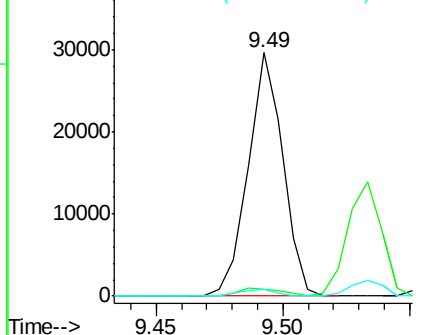


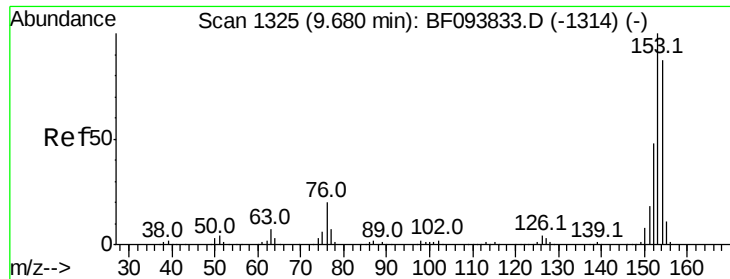
#50
 2,6-Dinitrotoluene
 Concen: 8.64 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. 0.24 min
 Lab File: BF094300.D
 Acq: 8 Apr 2017 5:17

Tgt Ion:165 Resp: 28345
 Ion Ratio Lower Upper
 165 100
 63 2.6 34.3 51.5#
 89 2.9 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0





#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

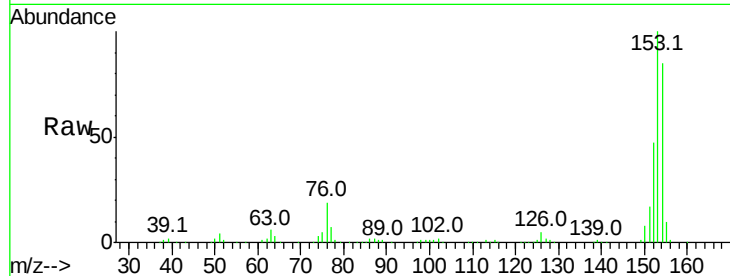
Tot Ion:154 Resp: 167804

Ion Ratio Lower Upper

154 100

153 117.3 90.5 135.7

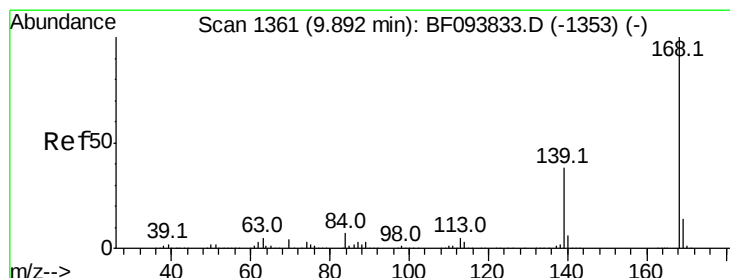
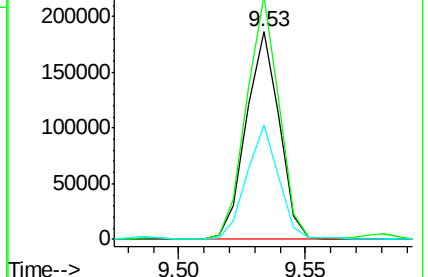
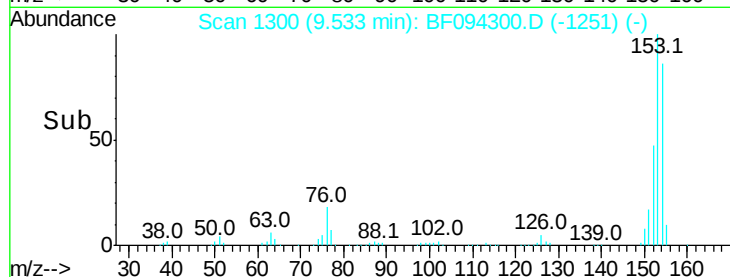
152 55.0 43.6 65.4



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

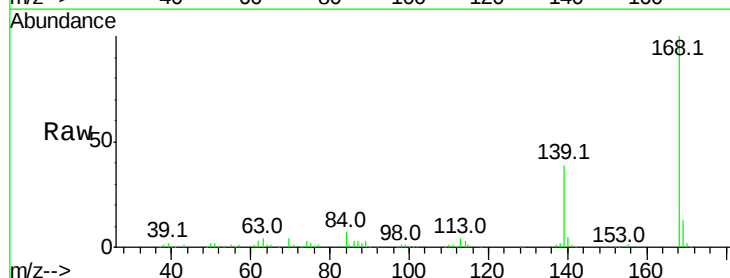
Tgt Ion:168 Resp: 158109

Ion Ratio Lower Upper

168 100

139 39.3 30.6 45.8

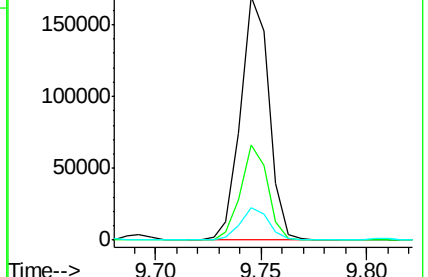
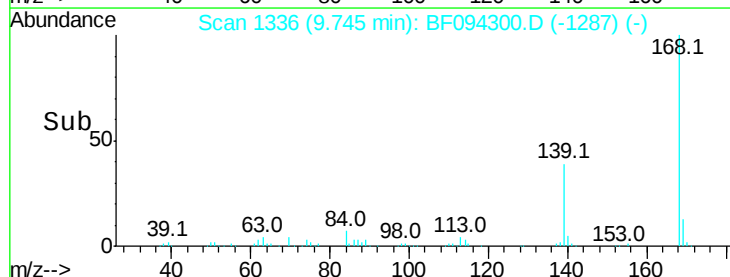
169 13.2 10.8 16.2

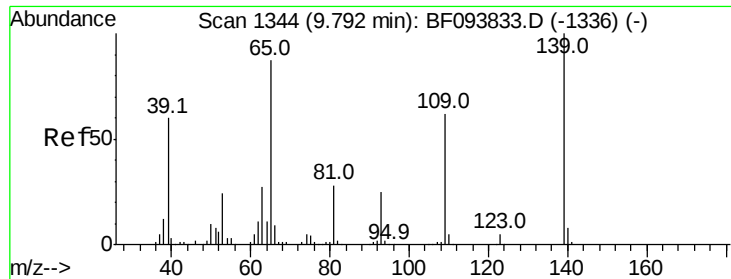


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

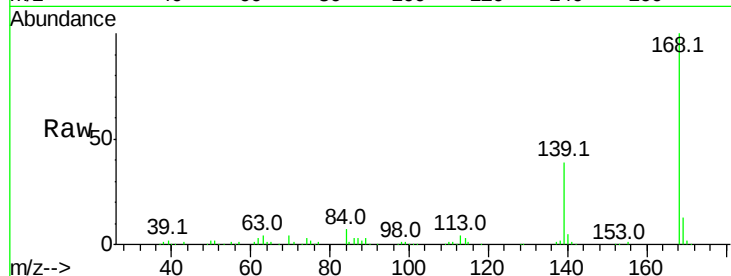




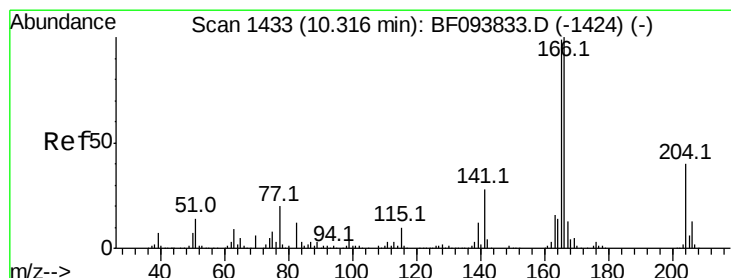
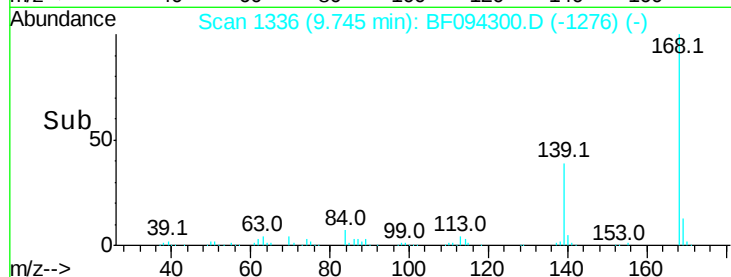
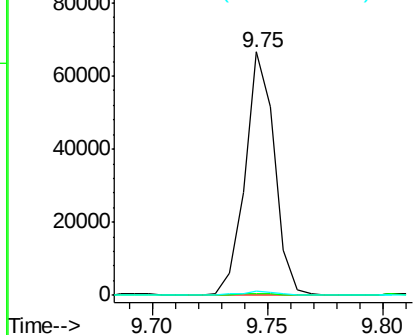
#55
4-Nitrophenol
Concen: 19.57 ng
RT: 9.75 min Scan# 1336
Delta R.T. 0.05 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

Instrument :
BNA_F
ClientSampleId :
TW-1DL

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.7	34.1	74.1#
65	1.6	31.4	71.4#

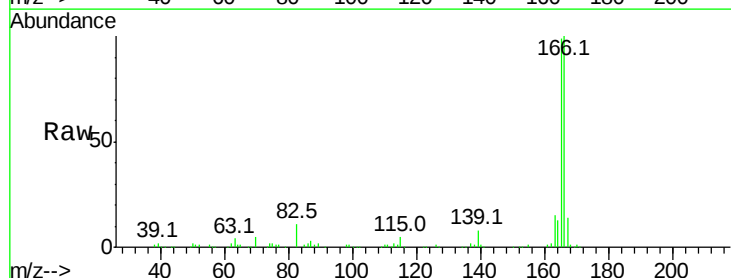


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

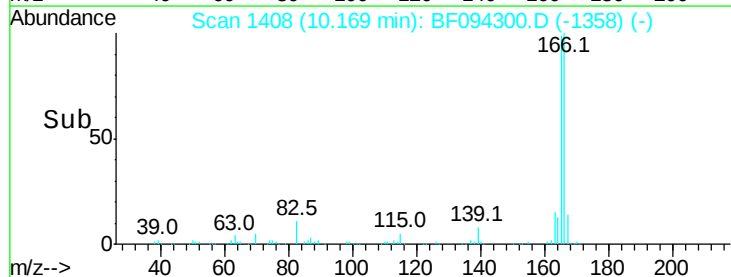
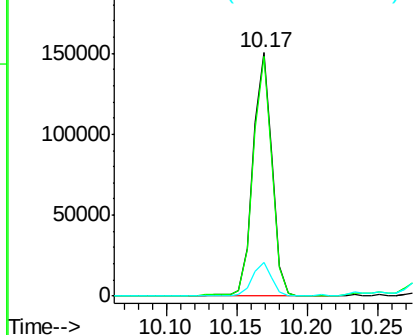


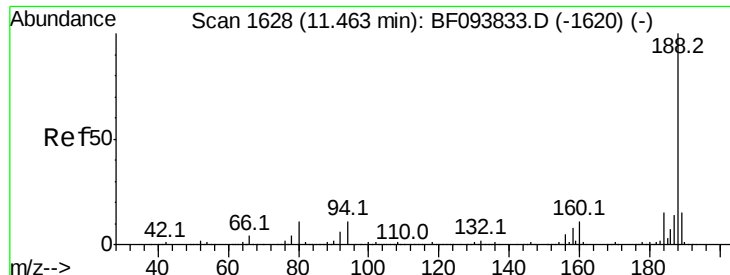
#57
Fluorene
Concen: 10.23 ng
RT: 10.17 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

Tgt 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

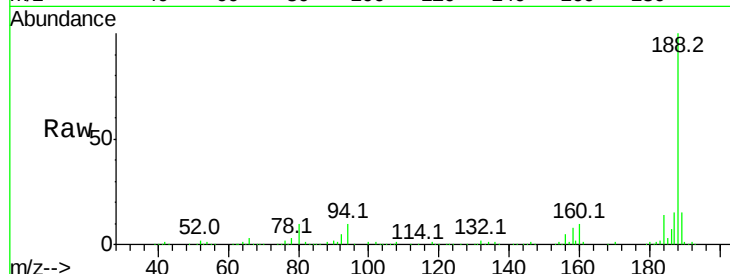




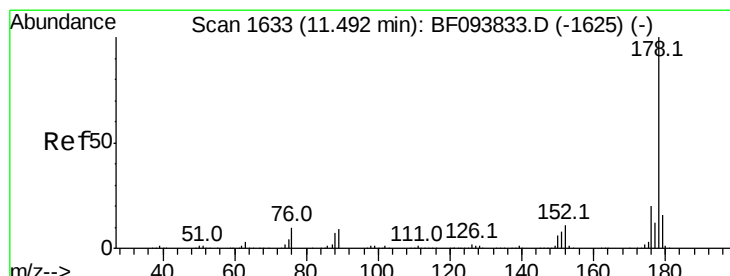
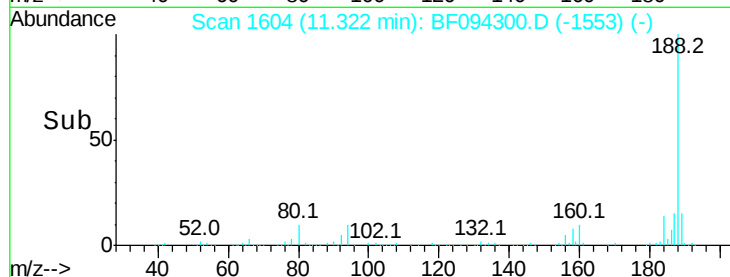
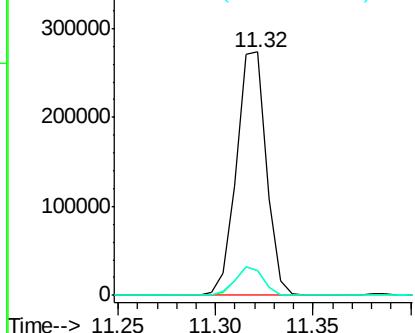
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

Instrument :
BNA_F
ClientSampleId :
TW-1DL

Tot Ion:188 Resp: 291025
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.2 10.2 15.2

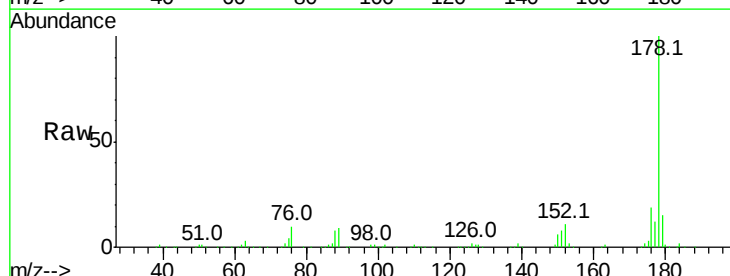


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

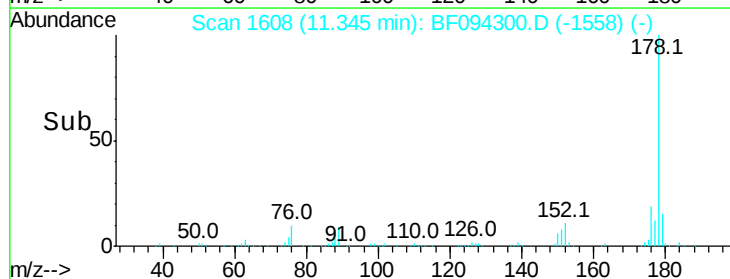
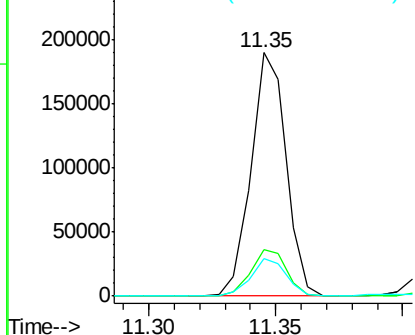


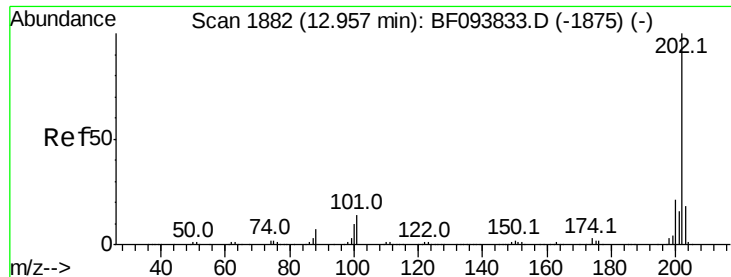
#70
Phenanthrene
Concen: 11.33 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094300.D
Acq: 8 Apr 2017 5:17

Tgt 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





#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

Instrument :

BNA_F

ClientSampleId :

TW-1DL

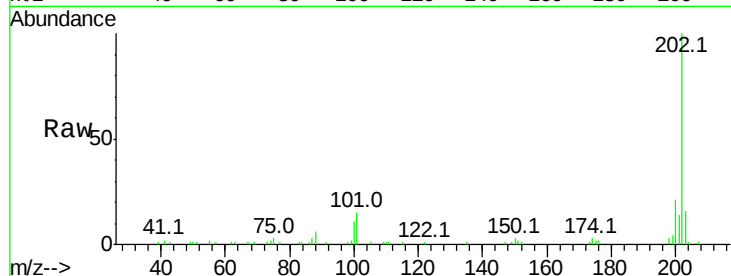
Tot Ion:202 Resp: 36953

Ion Ratio Lower Upper

202 100

101 14.8 0.0 33.2

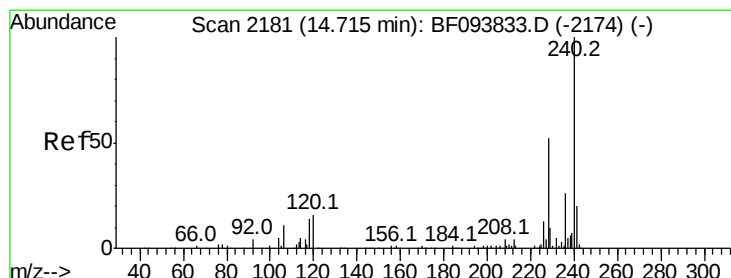
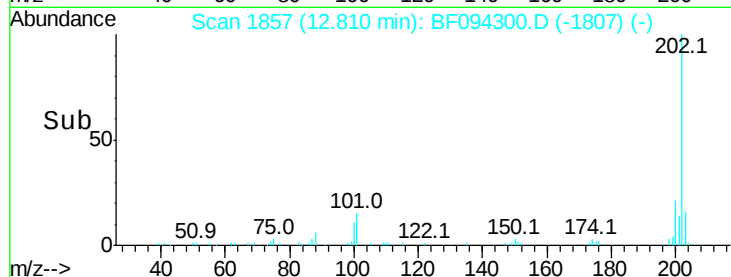
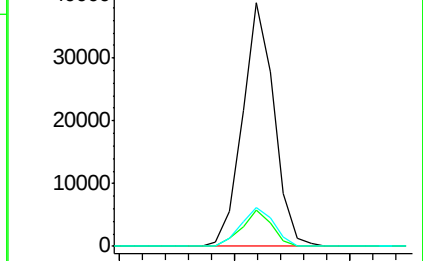
203 16.2 0.0 38.1



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



#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

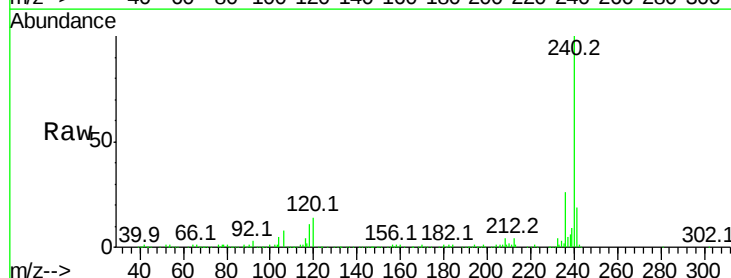
Tgt Ion:240 Resp: 269994

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

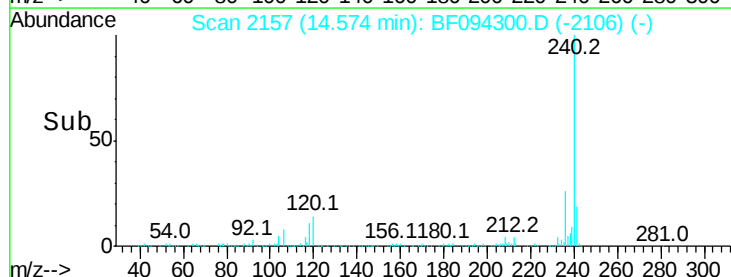
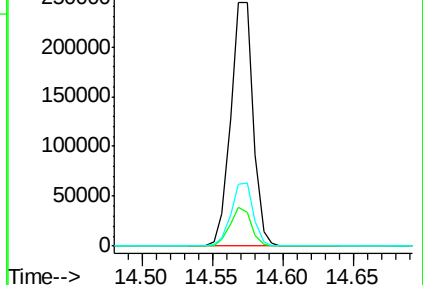
236 25.8 20.5 30.7

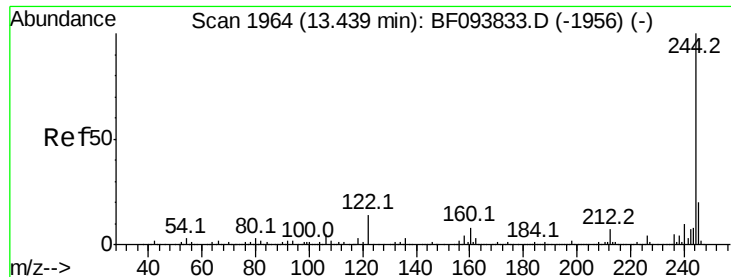


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

TW-1DL

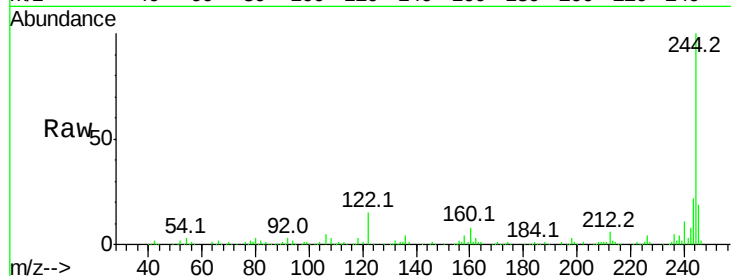
Tot Ion:244 Resp: 170826

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

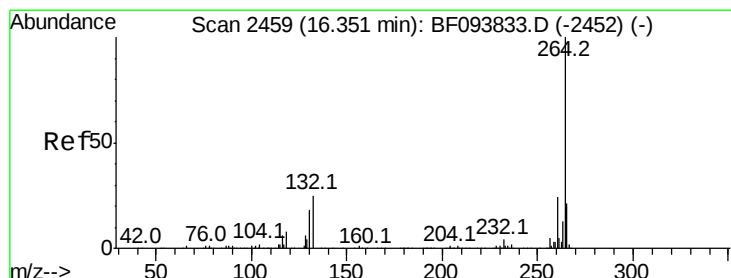
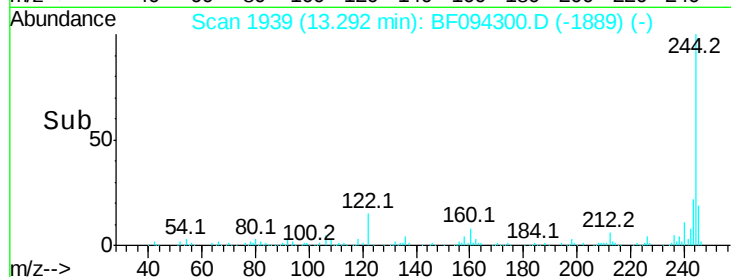
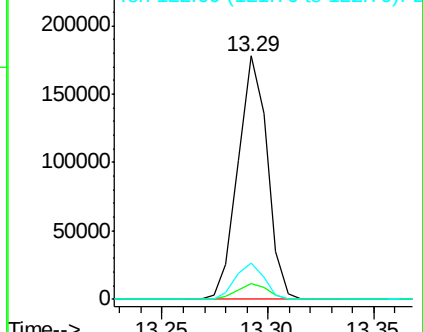
122 15.1 10.3 15.5



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

Perylene-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

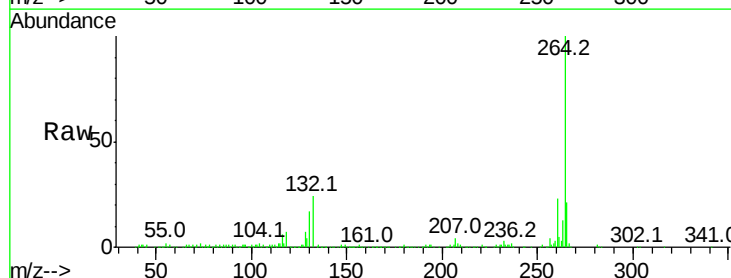
Tgt Ion:264 Resp: 226321

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.0 17.2 25.8



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

