

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\
 Data File : BF084918.D
 Acq On : 6 Feb 2016 18:12
 Operator : SJ/IZ
 Sample : H1338-04
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AW-1

Quant Time: Feb 08 02:58:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

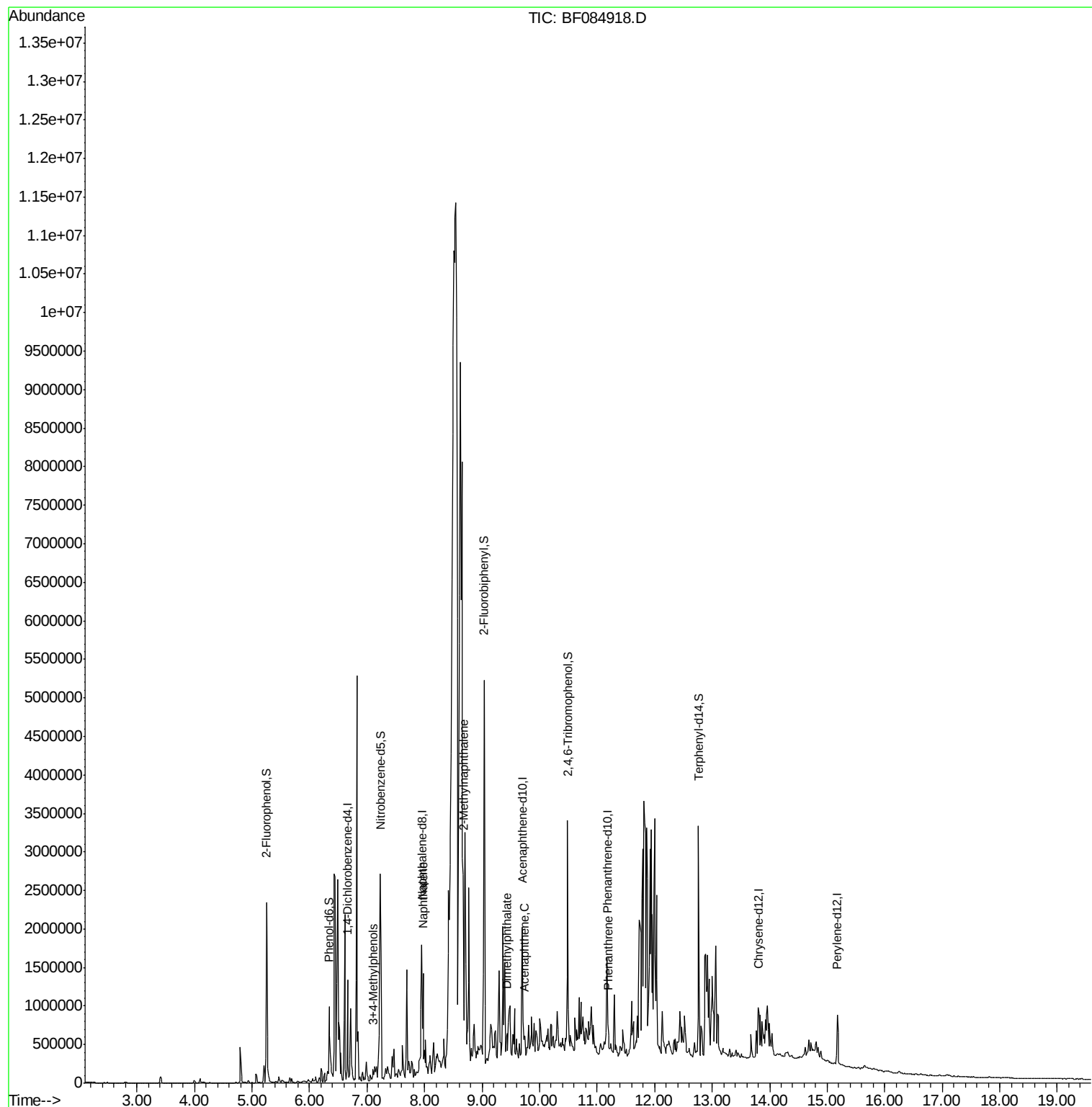
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	175496	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	716984	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	302024	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	447039	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	324160	20.00	ng	-0.02
86) Perylene-d12	15.17	264	313054	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	714842	63.45	ng	-0.02
7) Phenol-d6	6.34	99	577123	41.32	ng	0.00
23) Nitrobenzene-d5	7.23	82	1047982	82.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	333169	105.76	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1563140	88.31	ng	-0.02
78) Terphenyl-d14	12.76	244	1002970	70.11	ng	-0.03
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.10	107	76306	6.10	ng	89
31) Naphthalene	7.97	128	564982	15.71	ng	99
37) 2-Methylnaphthalene	8.67	142	534668	23.75	ng	96
49) Dimethylphthalate	9.44	163	133185	5.79	ng	# 90
51) Acenaphthene	9.73	154	39558	2.02	ng	97
70) Phenanthrene	11.20	178	69229	2.79	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: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

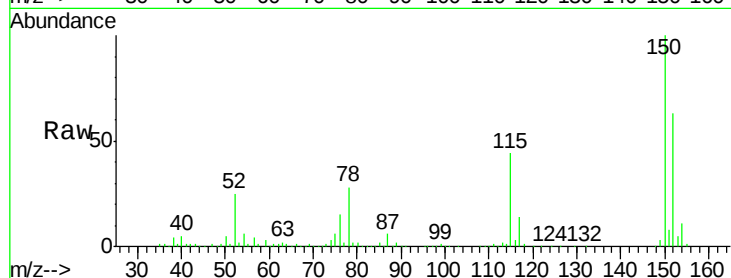
Tot Ion:152 Resp: 175496

Ion Ratio Lower Upper

152 100

150 158.1 123.0 184.4

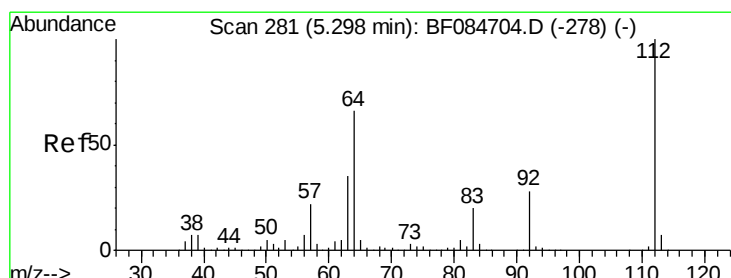
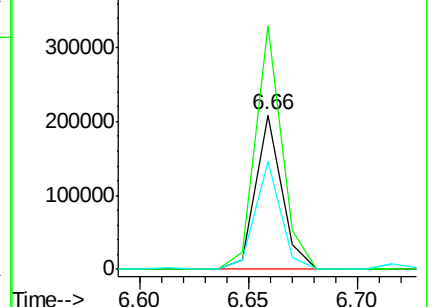
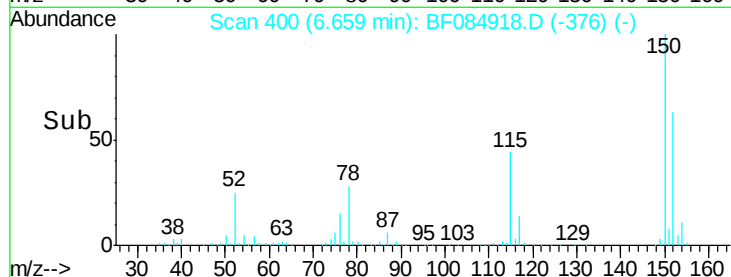
115 70.1 51.4 77.2



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: 63.45 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

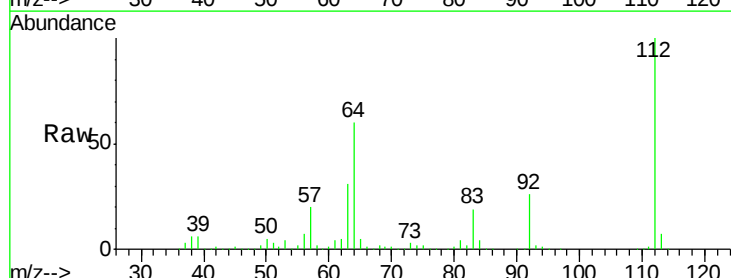
Tgt Ion:112 Resp: 714842

Ion Ratio Lower Upper

112 100

64 60.4 36.6 55.0#

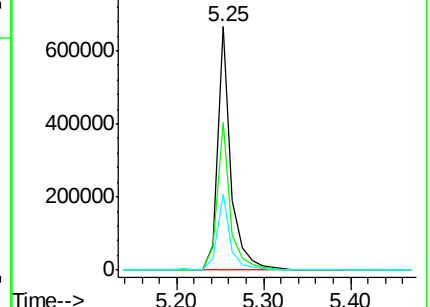
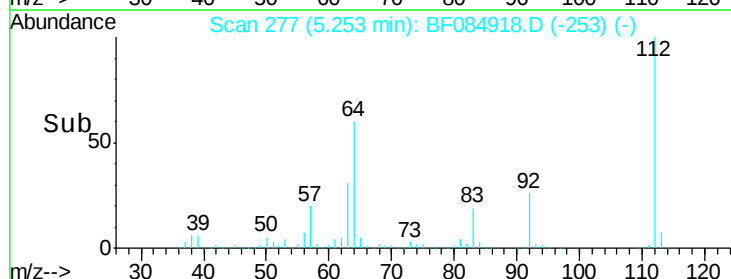
63 31.3 19.4 29.0#

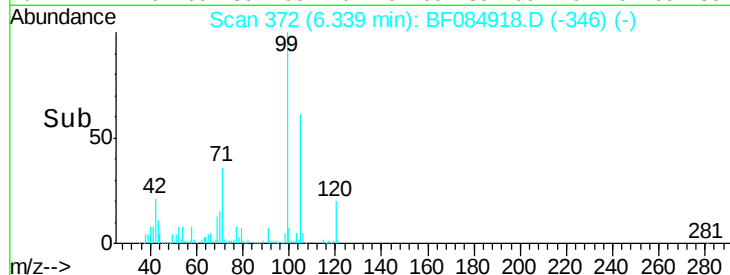
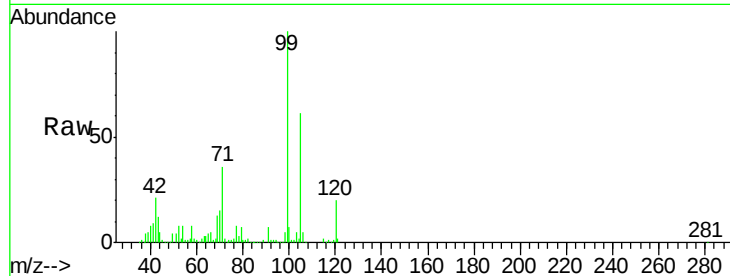


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.32 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampled :

AW-1

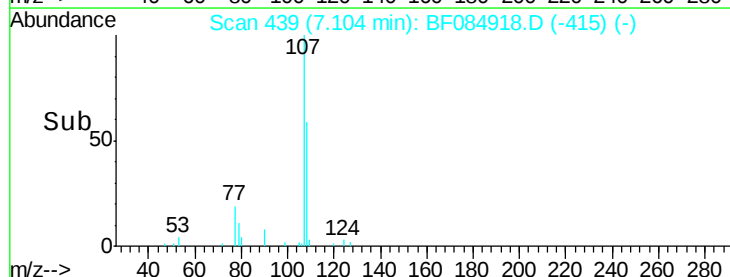
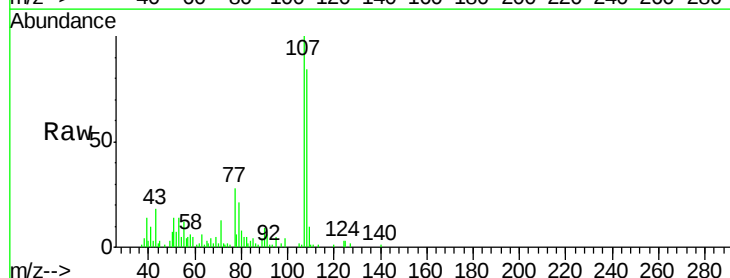
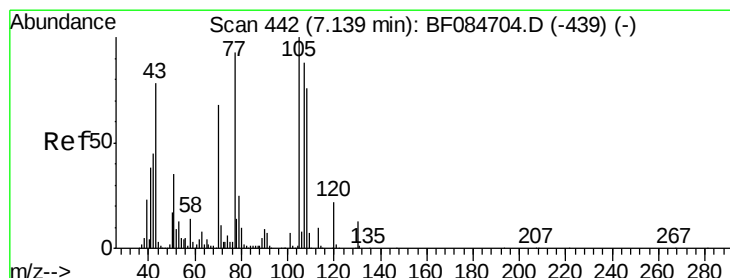
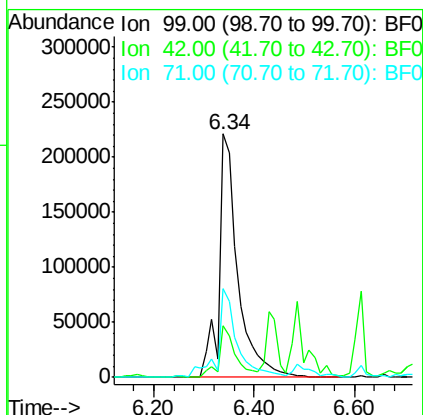
Tot Ion: 99 Resp: 577123

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

71 36.3 30.9 46.3



#20

3+4-Methylphenols

Concen: 6.10 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Tgt Ion: 107 Resp: 76306

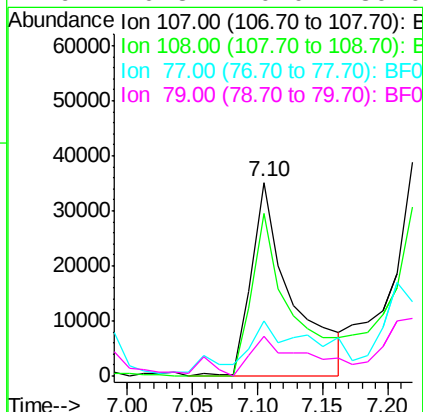
Ion Ratio Lower Upper

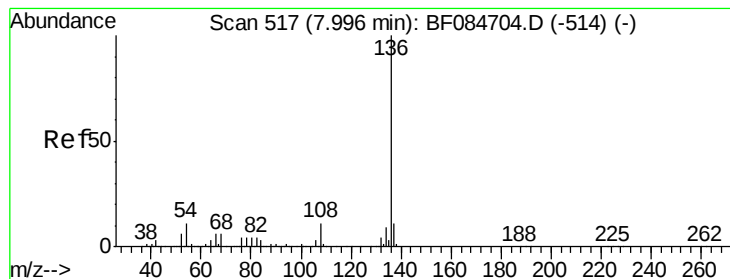
107 100

108 83.8 74.6 114.6

77 28.4 0.7 40.7

79 20.8 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

Tot Ion:136 Resp: 716984

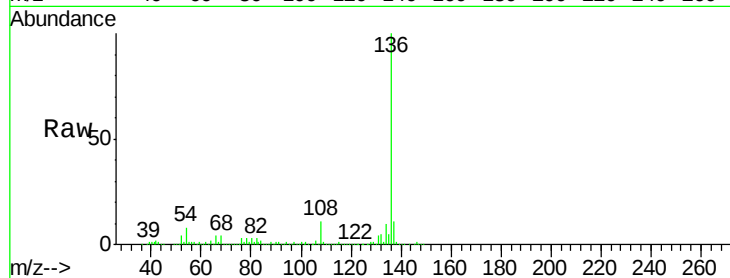
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 7.9 5.8 8.8

68 4.5 4.2 6.2

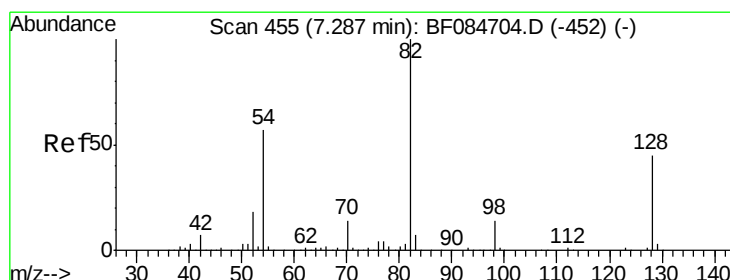
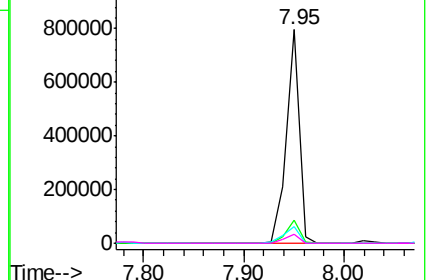
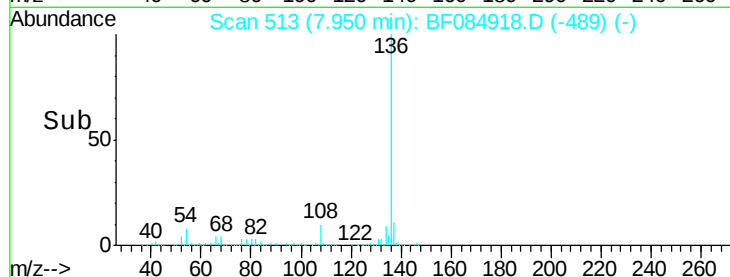


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.34 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

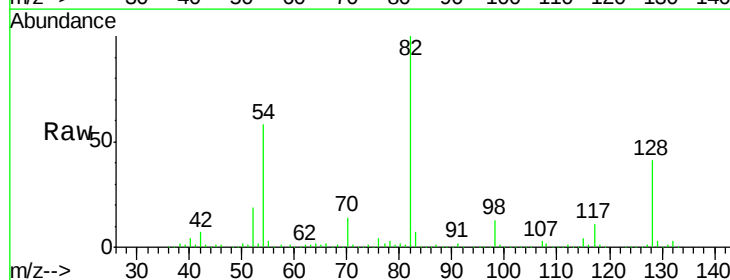
Tgt Ion: 82 Resp: 1047982

Ion Ratio Lower Upper

82 100

128 41.3 34.6 51.8

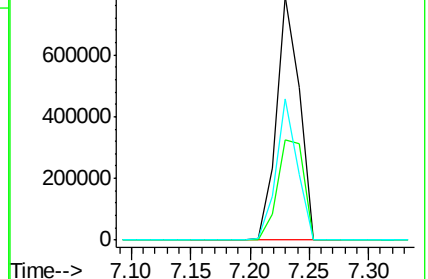
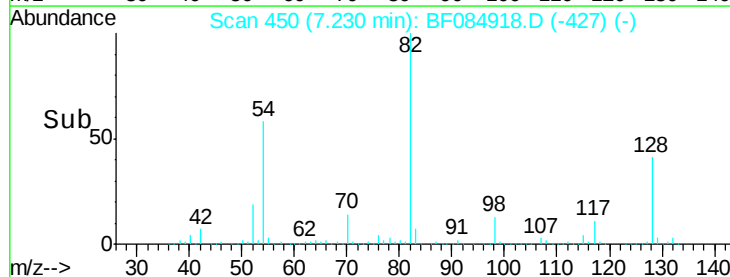
54 57.9 38.4 57.6#

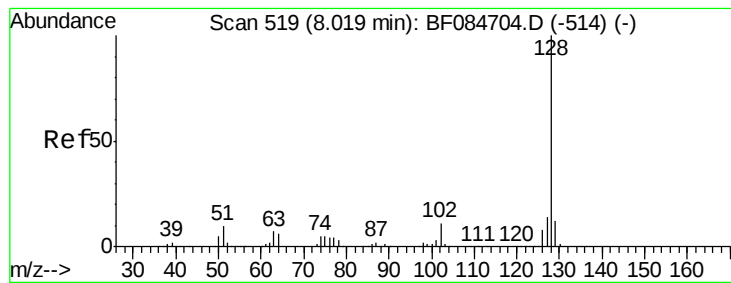


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 15.71 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

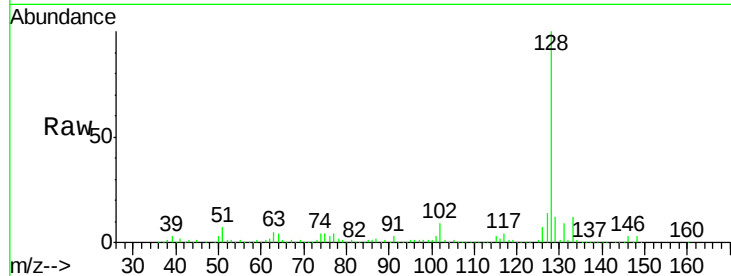
Tot Ion:128 Resp: 564982

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

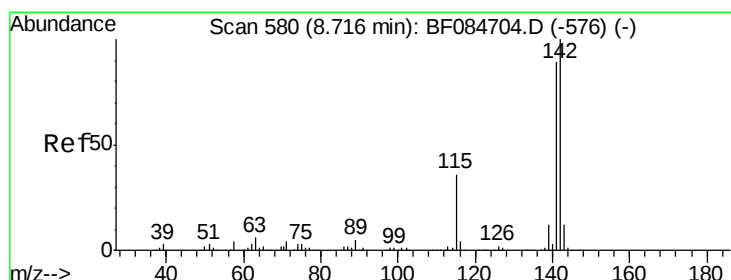
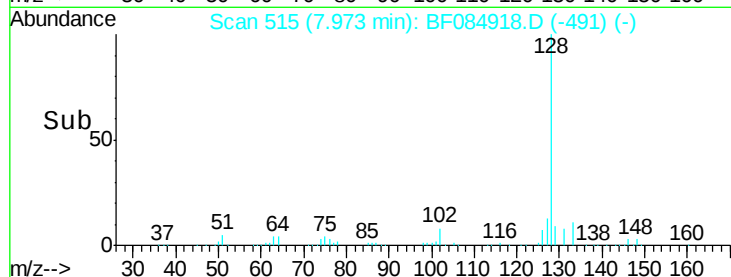
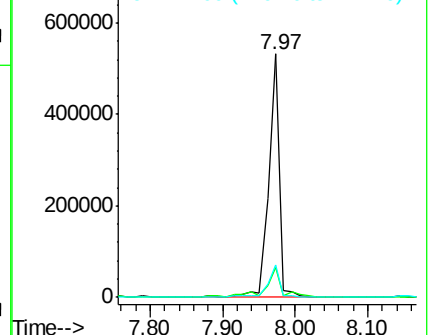
127 13.5 11.1 16.7



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: 23.75 ng

RT: 8.67 min Scan# 576

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

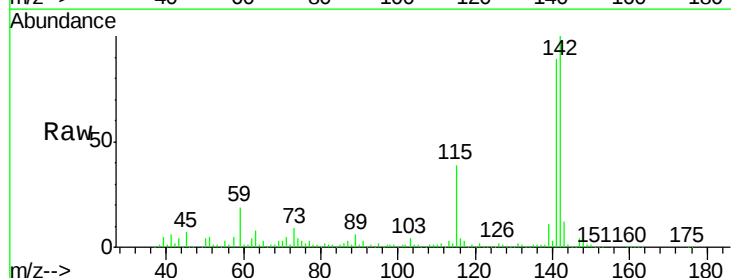
Tgt Ion:142 Resp: 534668

Ion Ratio Lower Upper

142 100

141 88.5 72.4 108.6

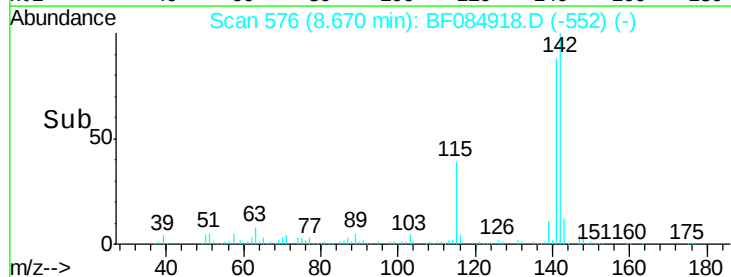
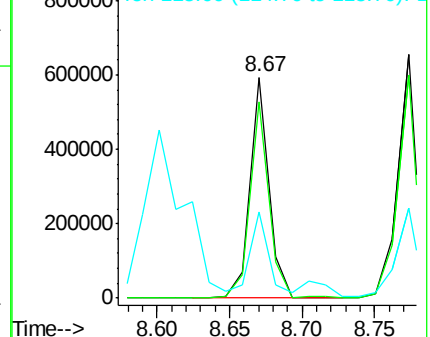
115 39.2 27.9 41.9

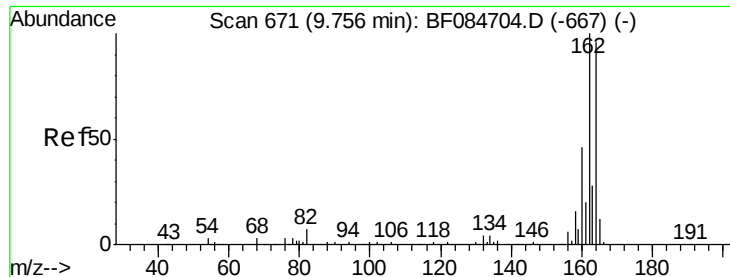


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

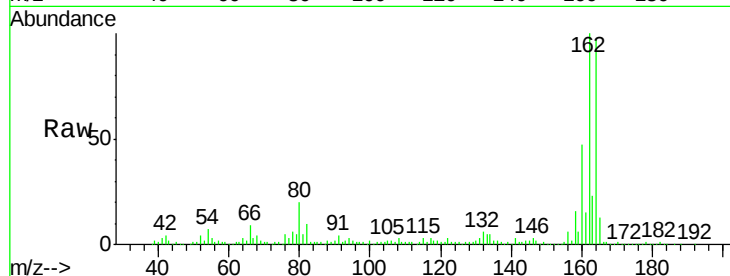
Tot Ion:164 Resp: 302024

Ion Ratio Lower Upper

164 100

162 102.7 85.1 127.7

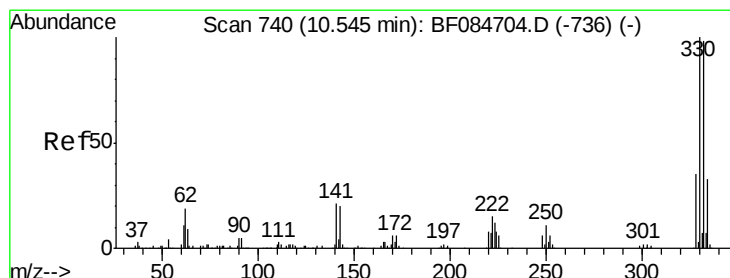
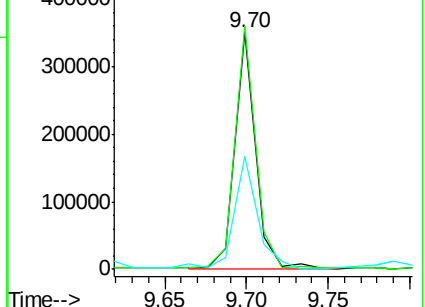
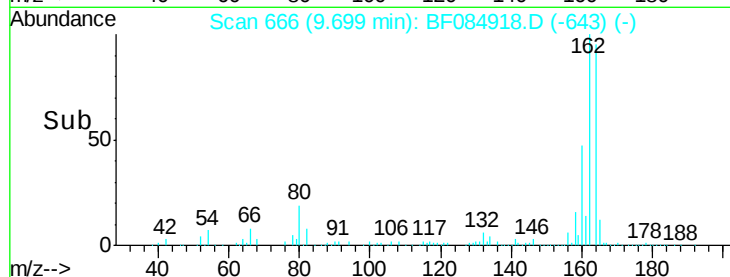
160 47.9 37.5 56.3



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: 105.76 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

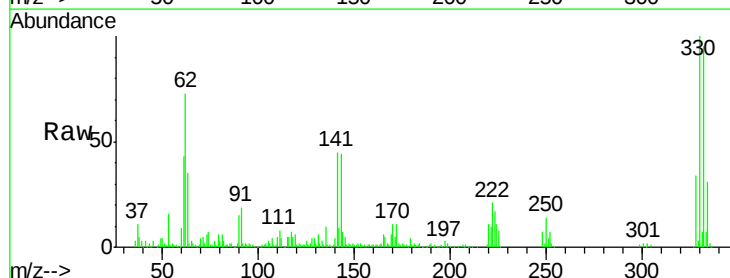
Tgt Ion:330 Resp: 333169

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

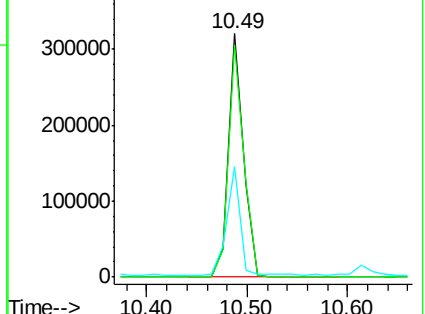
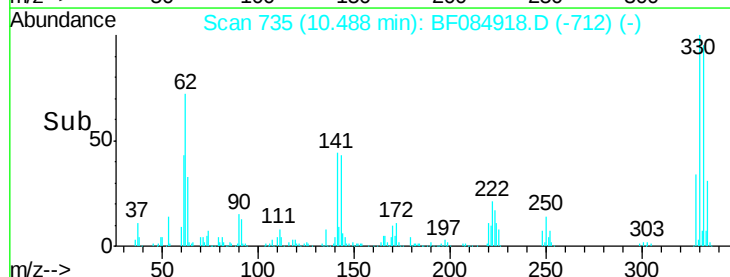
141 40.4 27.8 41.6

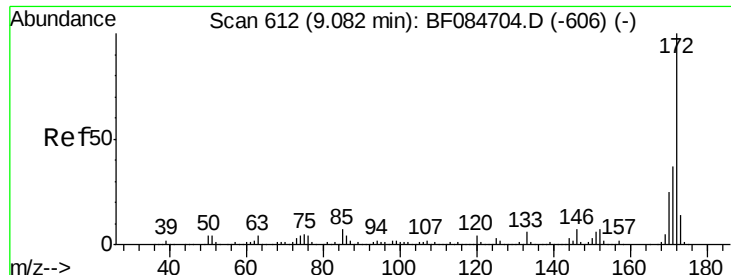


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

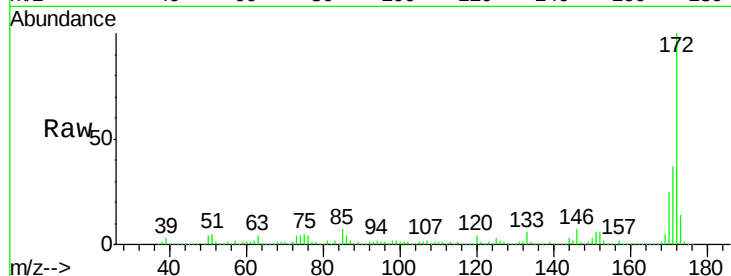




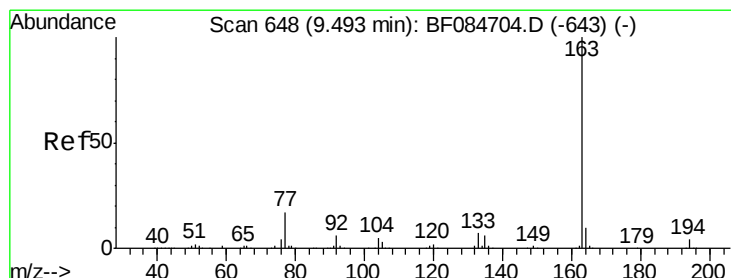
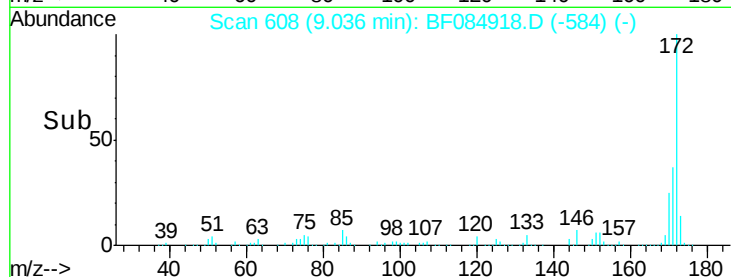
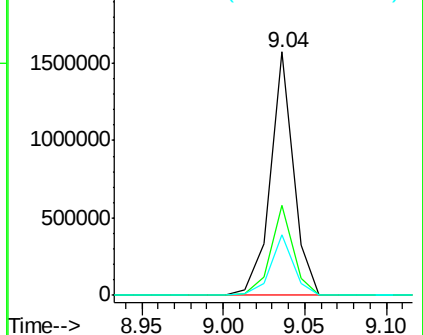
#44
2-Fluorobiphenyl
Concen: 88.31 ng
RT: 9.04 min Scan# 608
Delta R.T. -0.02 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Instrument :
BNA_F
ClientSampleId :
AW-1

Tot Ion:172 Resp: 1563140
Ion Ratio Lower Upper
172 100
171 37.2 28.9 43.3
170 25.0 18.6 27.8

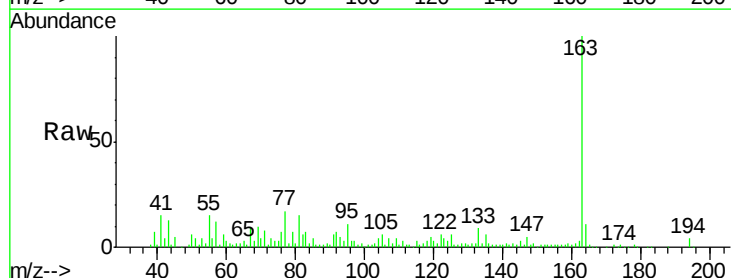


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

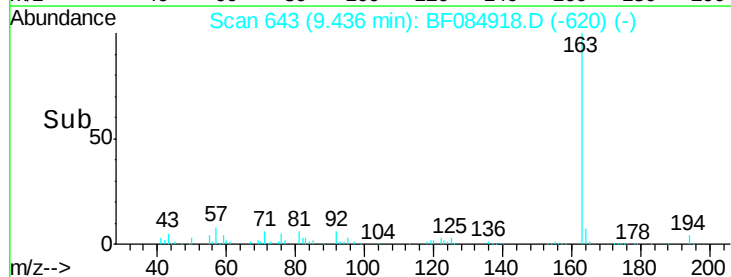
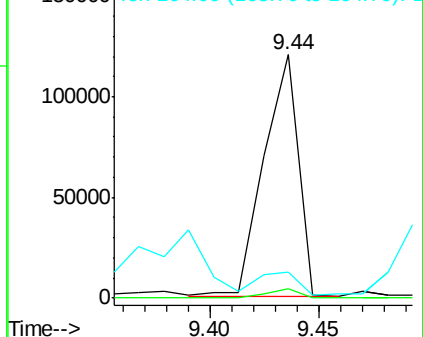


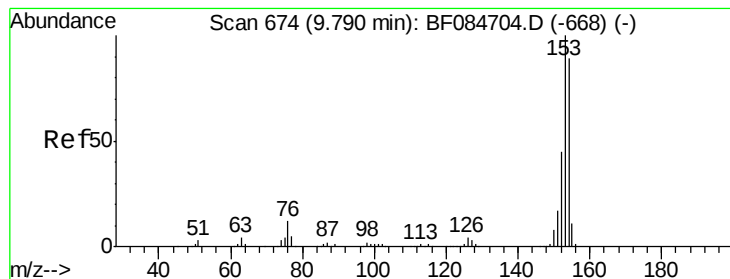
#49
Dimethylphthalate
Concen: 5.79 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Tgt Ion:163 Resp: 133185
Ion Ratio Lower Upper
163 100
194 3.7 8.0 12.0#
164 10.8 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.02 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

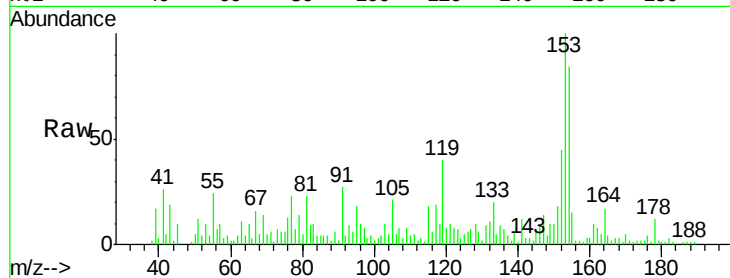
Tot Ion:154 Resp: 39558

Ion Ratio Lower Upper

154 100

153 119.1 91.5 137.3

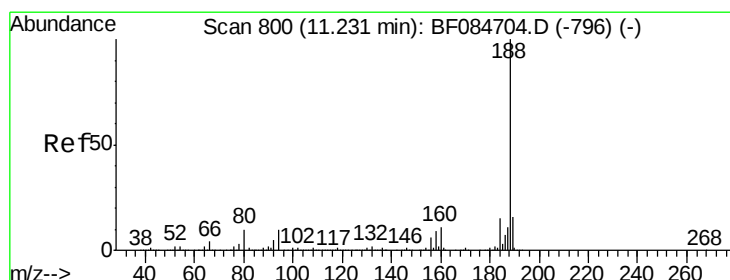
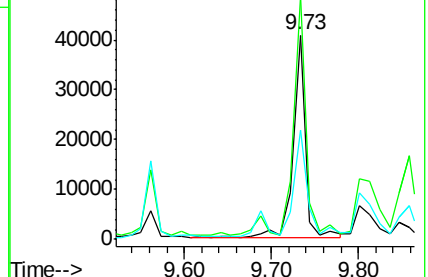
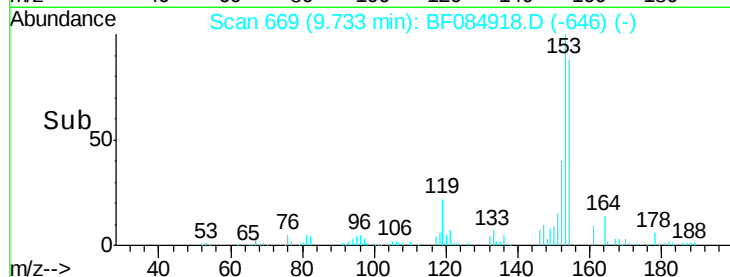
152 53.3 43.0 64.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

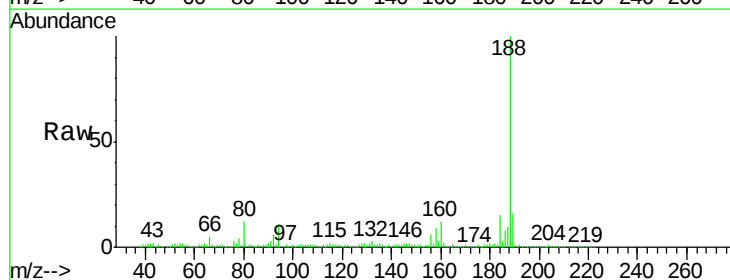
Tgt Ion:188 Resp: 447039

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

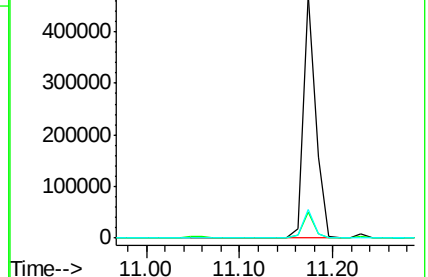
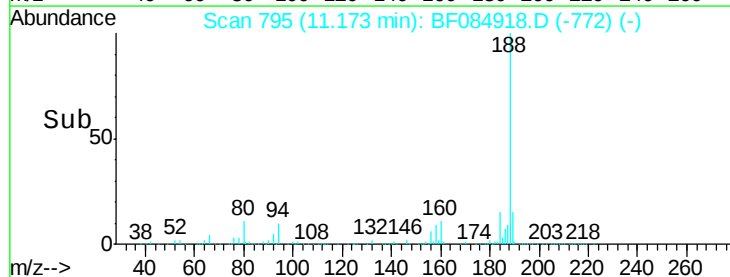
80 11.6 9.6 14.4

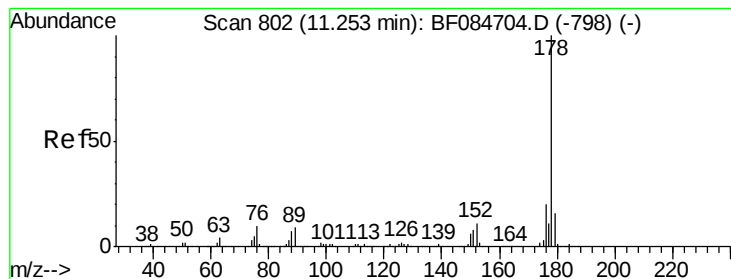


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.79 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampled :

AW-1

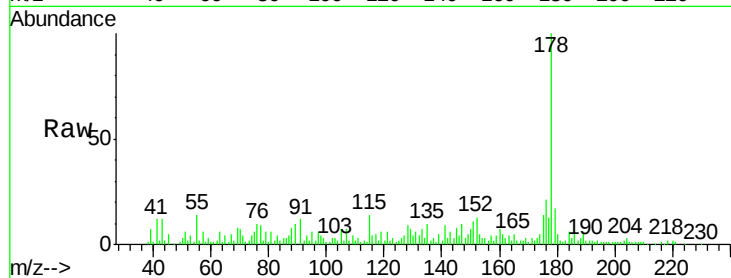
Tot Ion:178 Resp: 69229

Ion Ratio Lower Upper

178 100

176 20.9 15.3 22.9

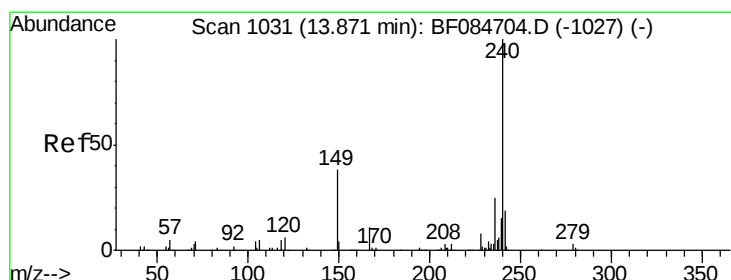
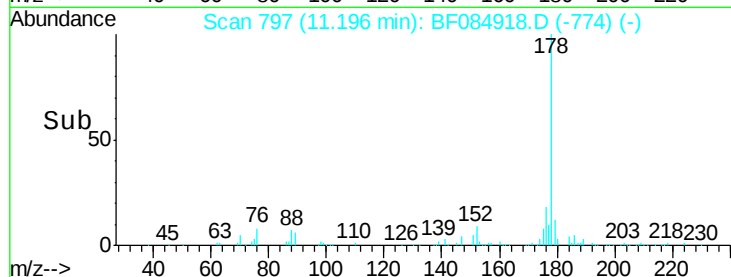
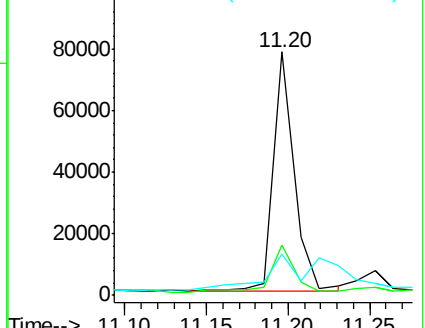
179 17.1 12.0 18.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

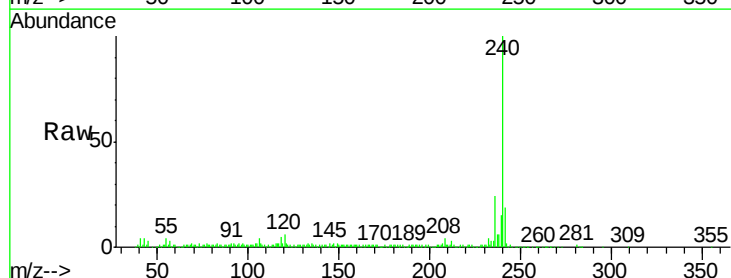
Tgt Ion:240 Resp: 324160

Ion Ratio Lower Upper

240 100

120 6.2 9.5 14.3#

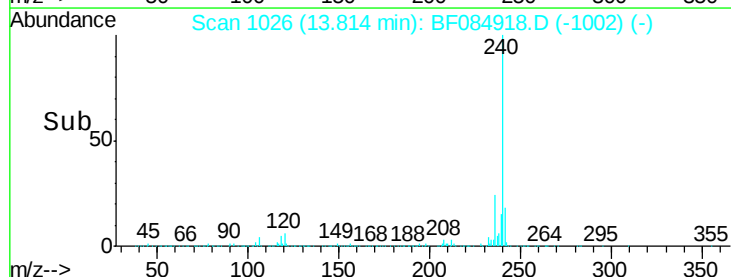
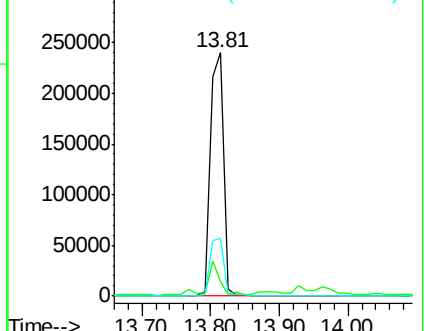
236 24.1 20.6 31.0

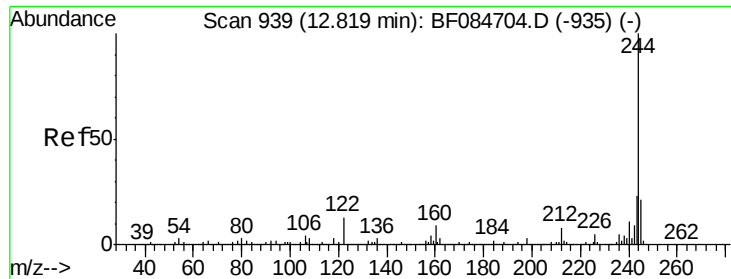


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 70.11 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

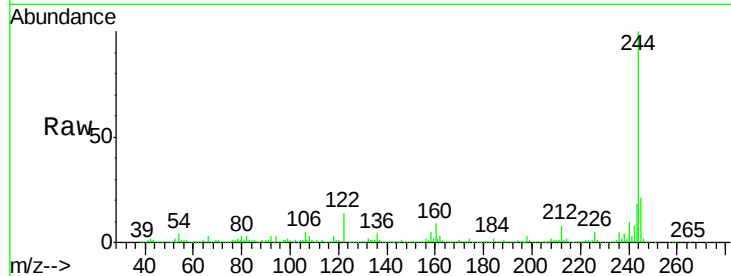
Tot Ion:244 Resp: 1002970

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

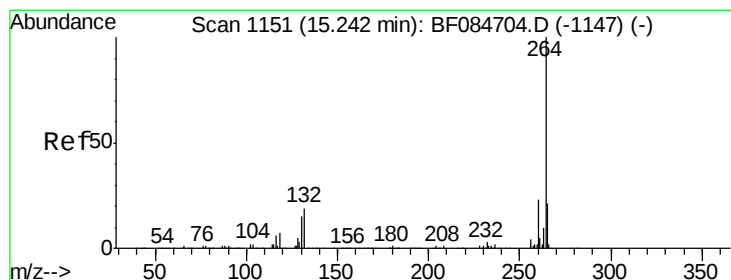
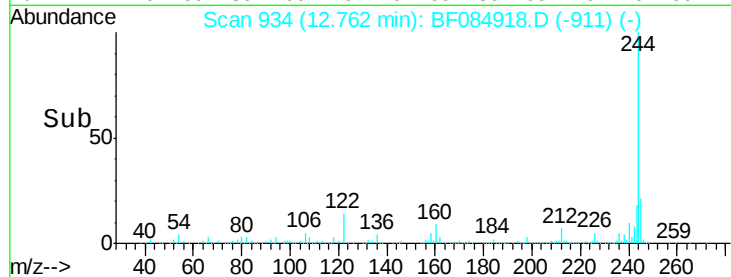
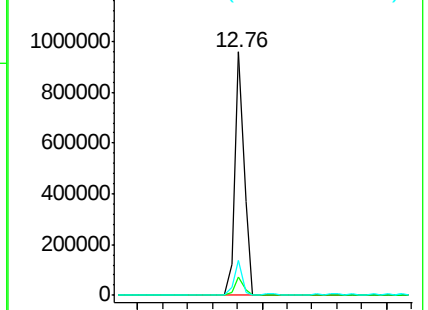
122 14.5 7.4 11.0#



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: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

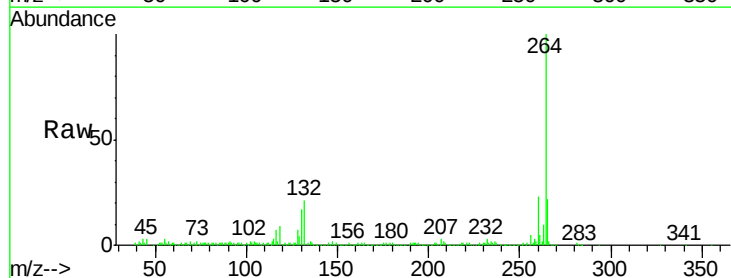
Tgt Ion:264 Resp: 313054

Ion Ratio Lower Upper

264 100

260 22.7 19.4 29.2

265 22.3 17.8 26.6



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

