

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086285.D
 Acq On : 18 Apr 2016 16:44
 Operator : UM/SJ
 Sample : H2334-03DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-04062016DL

Quant Time: Apr 19 01:54:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

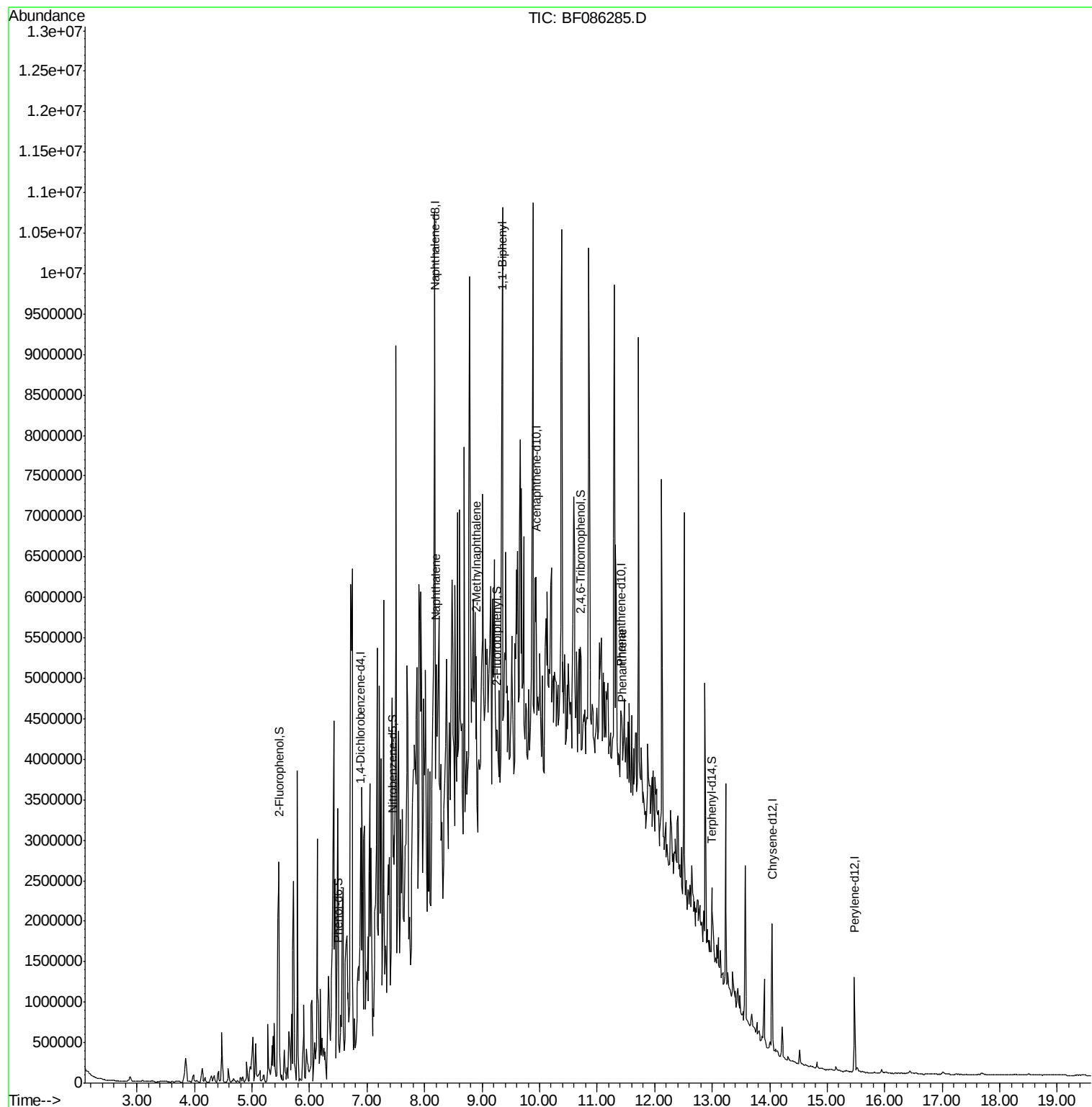
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	270979	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	481281	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	377860	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	601333	20.00	ng	0.00
75) Chrysene-d12	14.04	240	517810	20.00	ng	-0.01
86) Perylene-d12	15.47	264	517848	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	94128	5.69	ng	-0.01
7) Phenol-d6	6.50	99	90030	4.35	ng	-0.02
23) Nitrobenzene-d5	7.45	82	318391	38.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	24617	8.11	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	334289	16.33	ng	-0.01
78) Terphenyl-d14	12.99	244	212125	10.30	ng	-0.01
Target Compounds						
31) Naphthalene	8.20	128	703878	32.75	ng	# 92
37) 2-Methylnaphthalene	8.90	142	710480	51.13	ng	98
45) 1,1'-Biphenyl	9.36	154	93866	3.45	ng	93
70) Phenanthrene	11.44	178	73631	2.56	ng	# 65

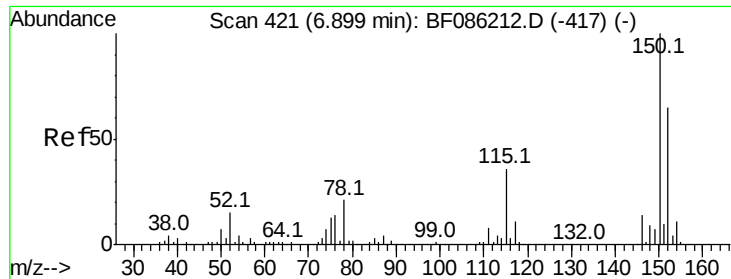
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

Instrument :

BNA_F

ClientSampleId :

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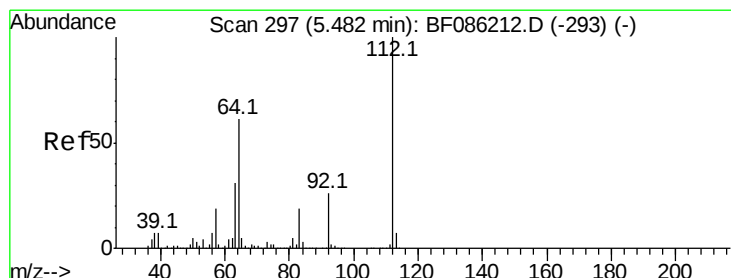
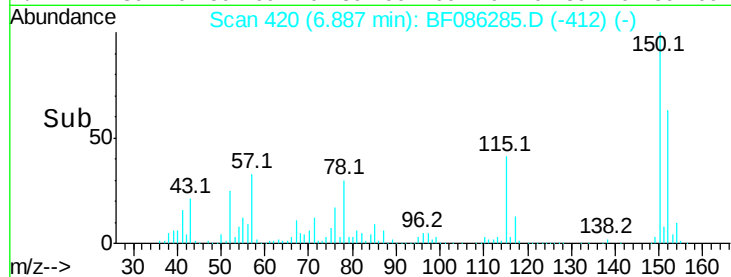
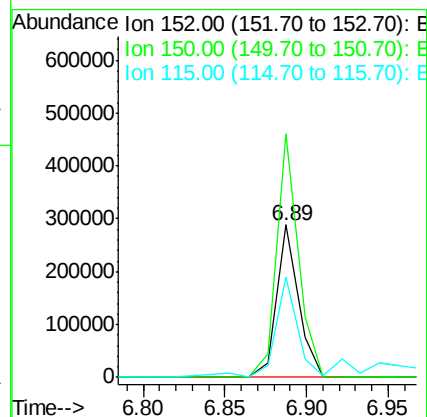
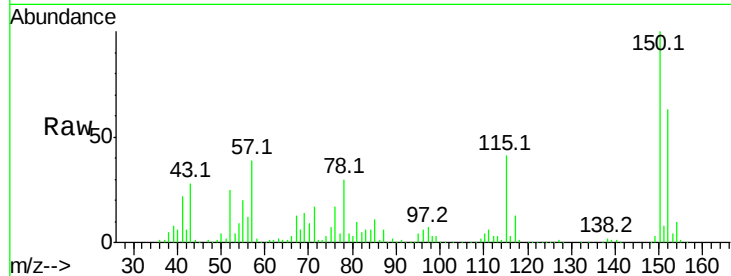
Tot Ion:152 Resp: 270979

Ion Ratio Lower Upper

152 100

150 159.6 124.1 186.1

115 65.9 43.9 65.9#



#5

2-Fluorophenol

Concen: 5.69 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

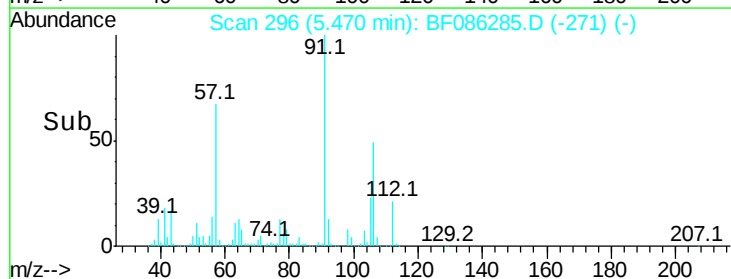
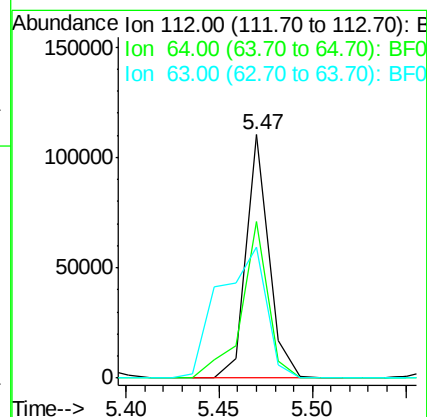
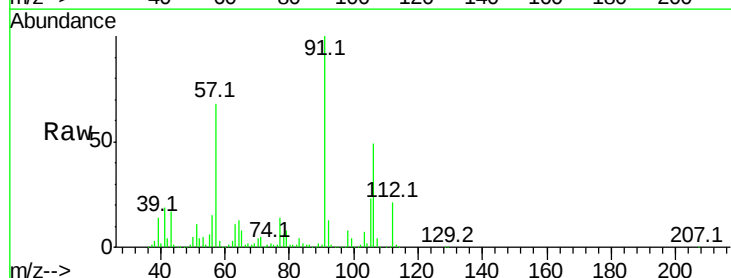
Tgt Ion:112 Resp: 94128

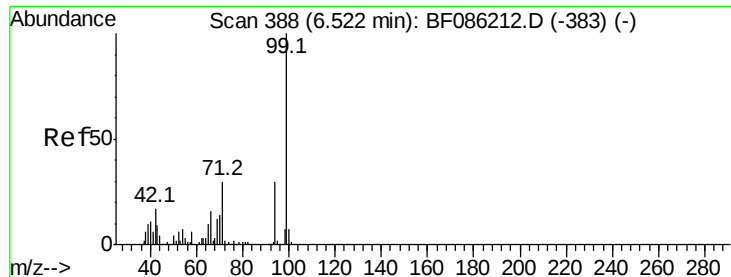
Ion Ratio Lower Upper

112 100

64 64.1 48.1 72.1

63 53.9 25.5 38.3#





#7

Phenol-d6

Concen: 4.35 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

Instrument :

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TW-3-04062016DL

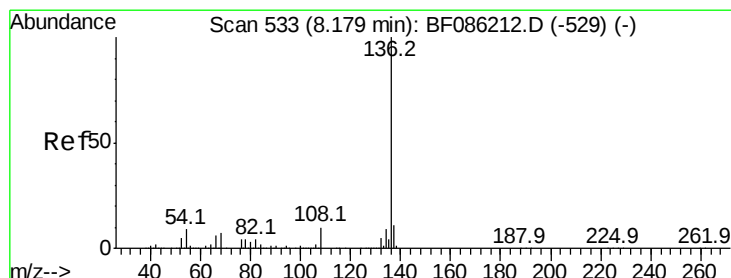
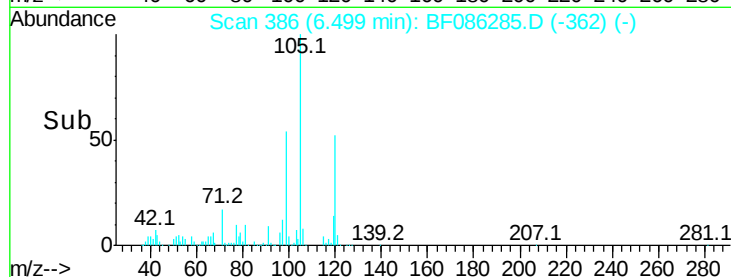
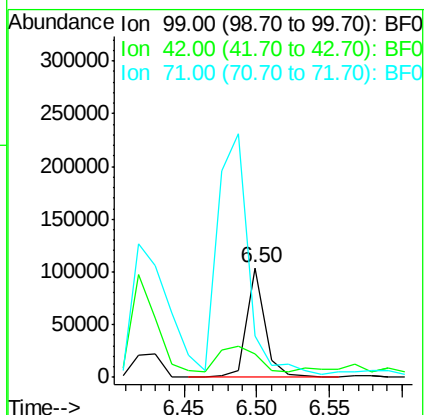
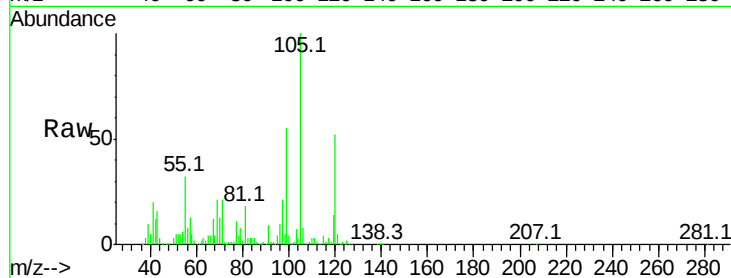
Tot Ion: 99 Resp: 90030

Ion Ratio Lower Upper

99 100

42 21.7 15.4 23.2

71 37.6 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

Tgt Ion: 136 Resp: 481281

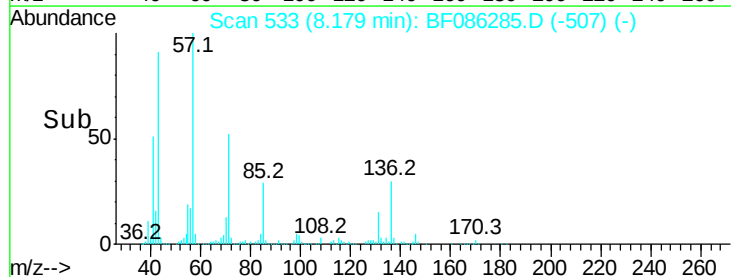
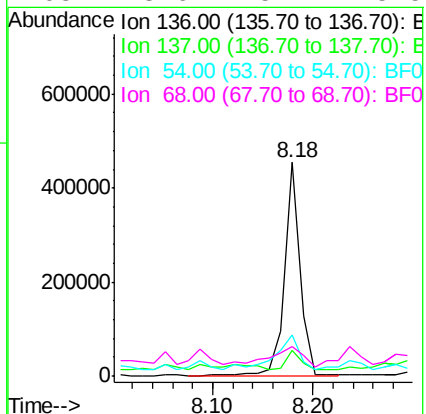
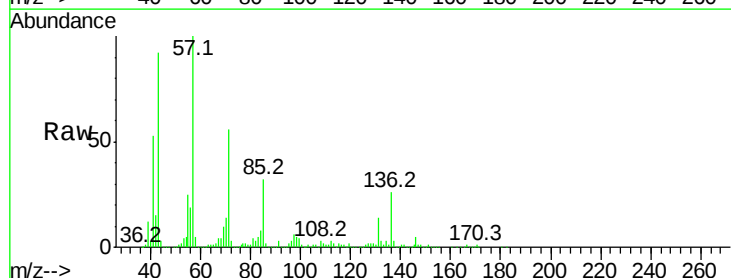
Ion Ratio Lower Upper

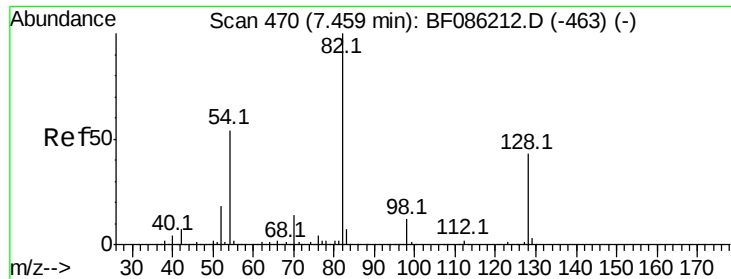
136 100

137 12.2 9.1 13.7

54 19.0 7.3 10.9#

68 13.6 5.7 8.5#

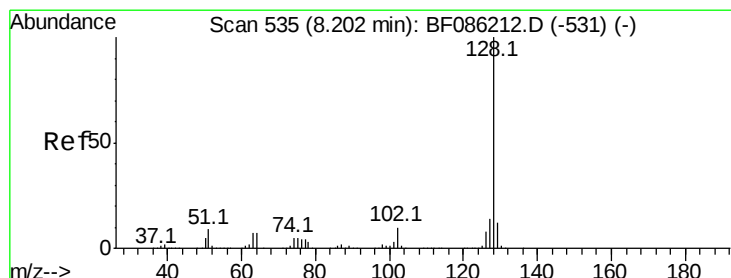
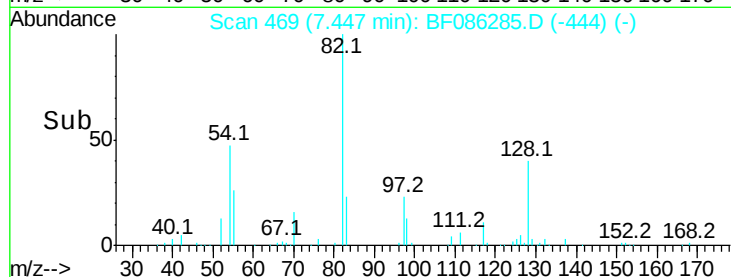
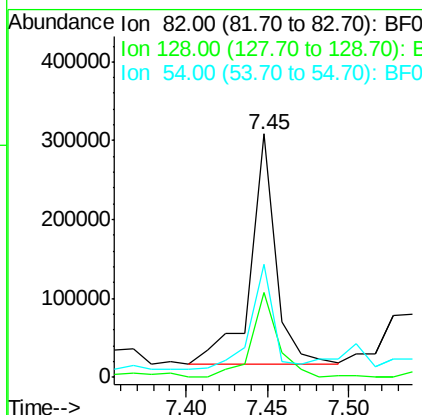
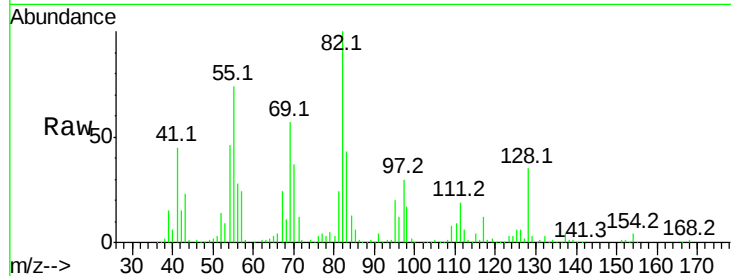




#23
 Nitrobenzene-d5
 Concen: 38.16 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086285.D
 Acq: 18 Apr 2016 16:44

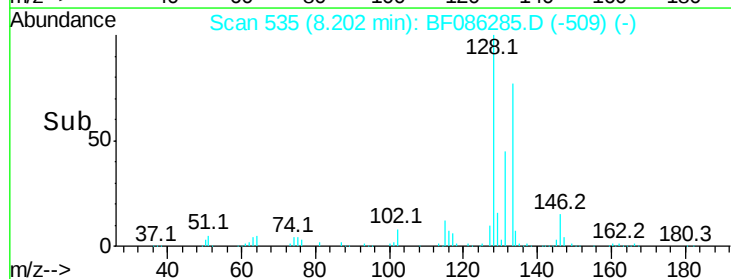
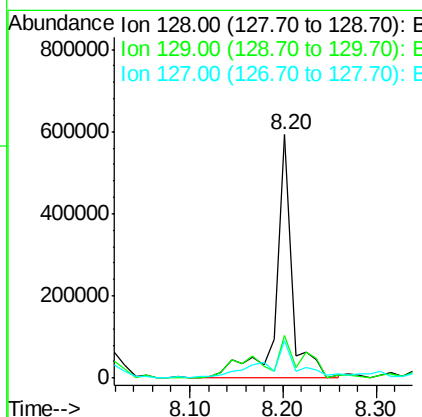
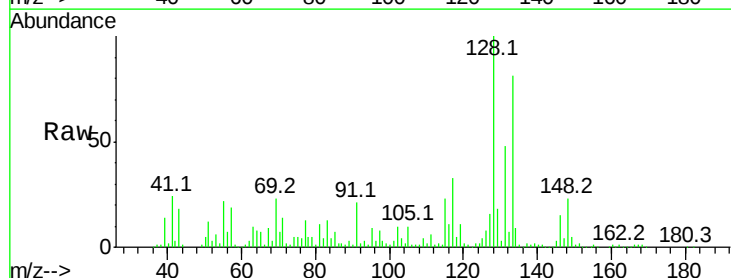
Instrument :
 BNA_F
 ClientSampleId :
 TW-3-04062016DL

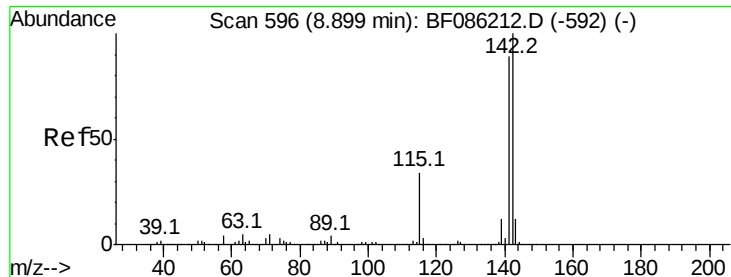
Tot Ion: 82 Resp: 318391
 Ion Ratio Lower Upper
 82 100
 128 34.6 35.4 53.2#
 54 46.5 43.4 65.0



#31
 Naphthalene
 Concen: 32.75 ng
 RT: 8.20 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF086285.D
 Acq: 18 Apr 2016 16:44

Tgt Ion:128 Resp: 703878
 Ion Ratio Lower Upper
 128 100
 129 17.5 9.6 14.4#
 127 15.5 11.4 17.2

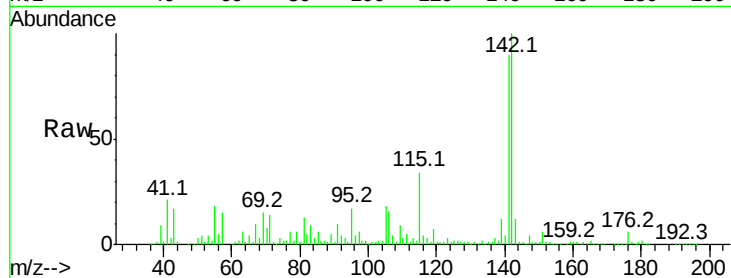




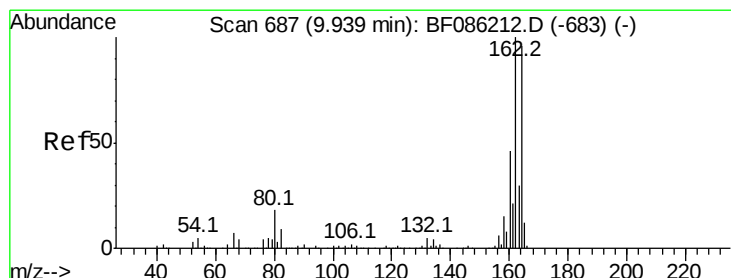
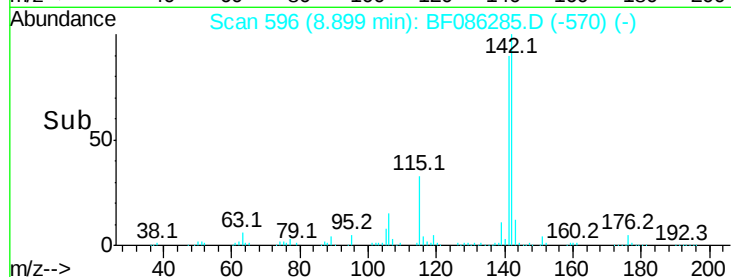
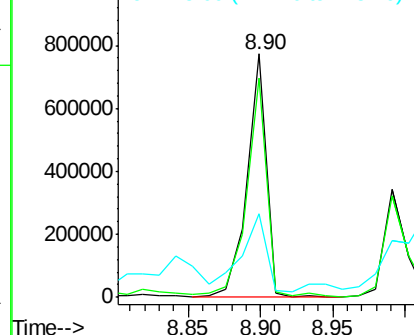
#37
2-Methylnaphthalene
Concen: 51.13 ng
RT: 8.90 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF086285.D
Acq: 18 Apr 2016 16:44

Instrument :
BNA_F
ClientSampleId :
TW-3-04062016DL

Tot Ion:142 Resp: 710480
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7
115 34.4 25.1 37.7

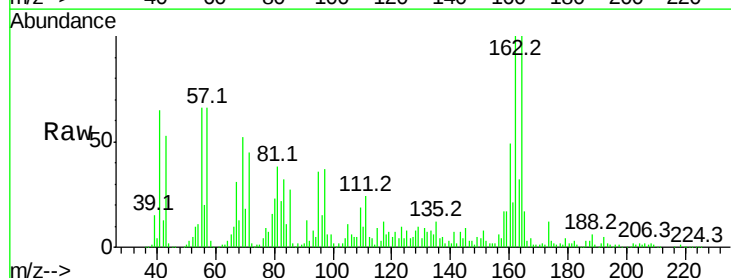


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

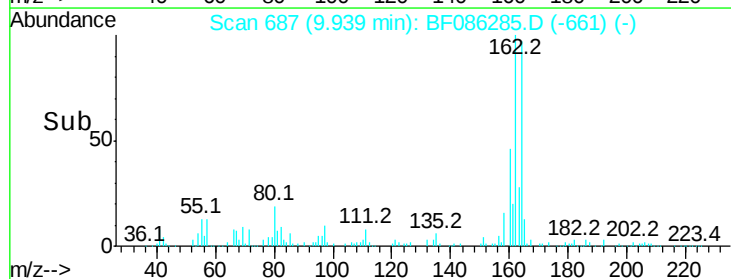
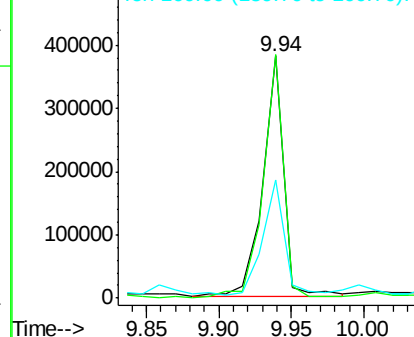


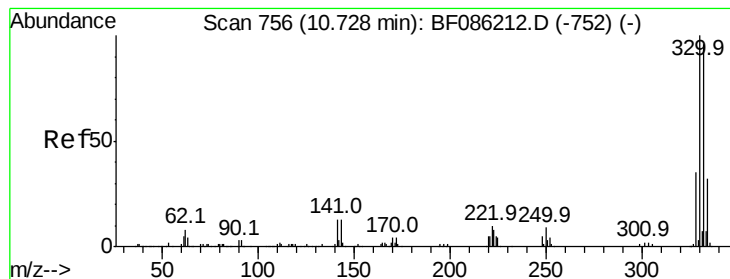
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF086285.D
Acq: 18 Apr 2016 16:44

Tgt Ion:164 Resp: 377860
Ion Ratio Lower Upper
164 100
162 100.5 82.8 124.2
160 48.8 38.9 58.3



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: 8.11 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

Instrument :

BNA_F

ClientSampleId :

TW-3-04062016DL

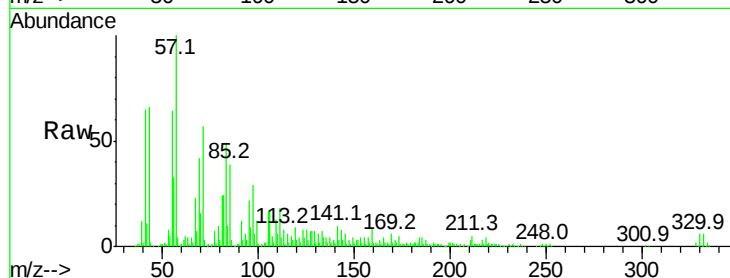
Tot Ion:330 Resp: 24617

Ion Ratio Lower Upper

330 100

332 95.1 78.7 118.1

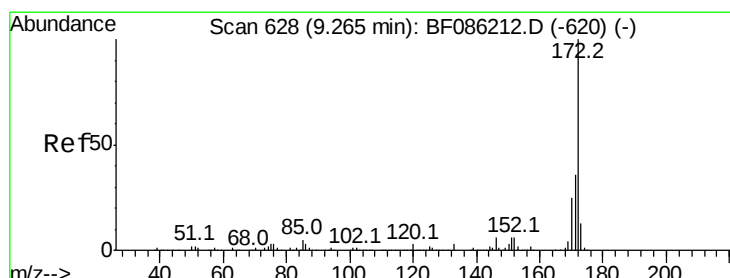
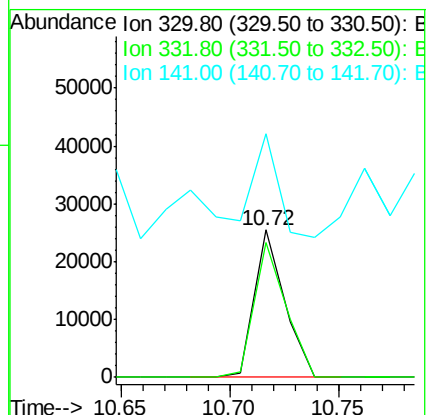
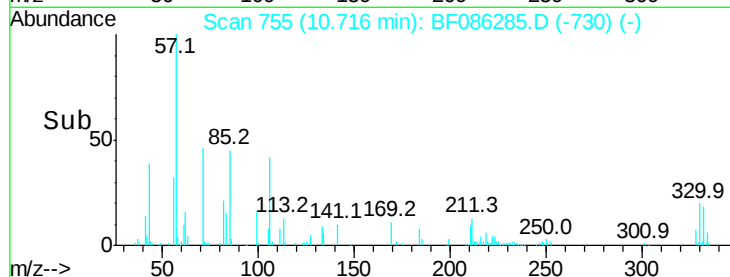
141 51.9 28.6 42.8#



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: 16.33 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

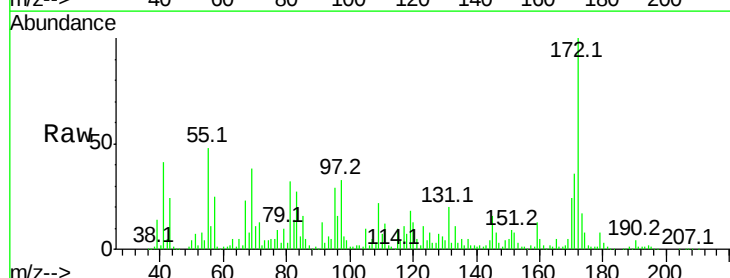
Tgt Ion:172 Resp: 334289

Ion Ratio Lower Upper

172 100

171 35.7 29.1 43.7

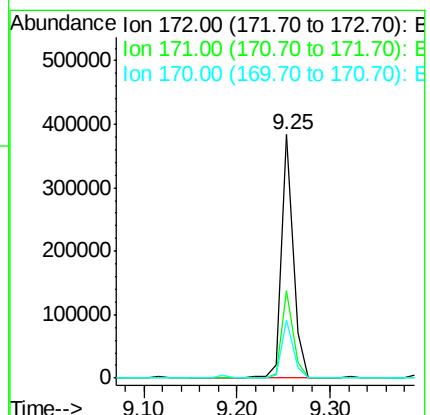
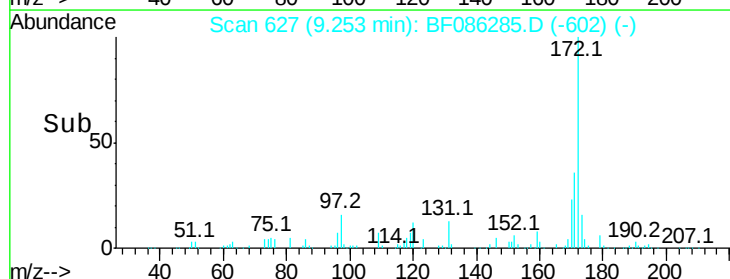
170 23.6 19.9 29.9

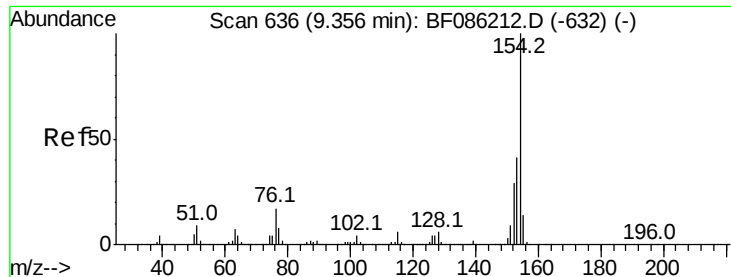


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 3.45 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

Instrument :

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TW-3-04062016DL

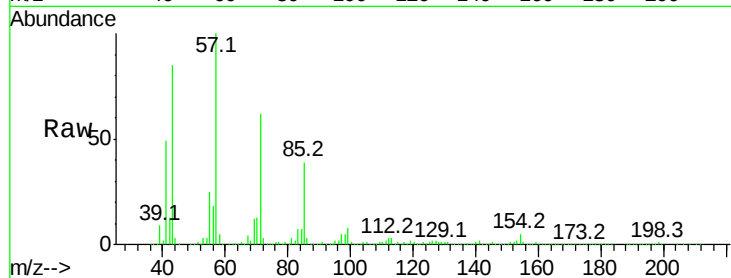
Tot Ion:154 Resp: 93866

Ion Ratio Lower Upper

154 100

153 36.8 21.3 61.3

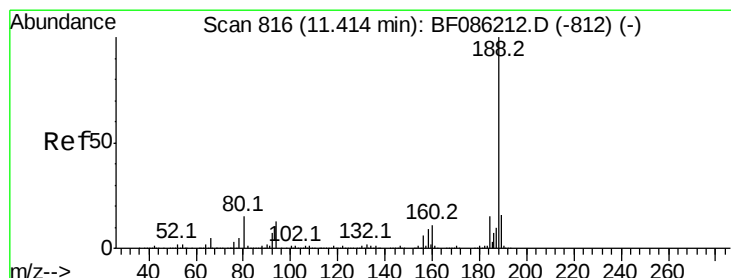
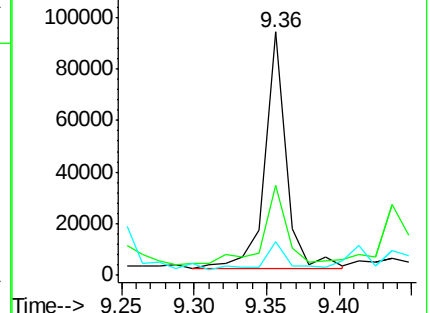
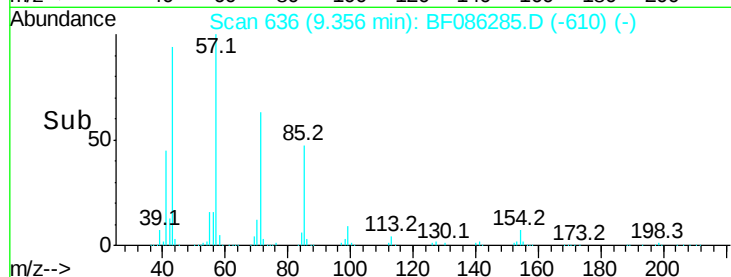
76 13.8 0.0 36.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

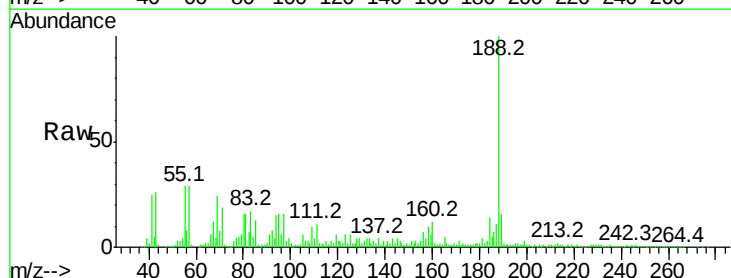
Tgt Ion:188 Resp: 601333

Ion Ratio Lower Upper

188 100

94 15.1 9.8 14.8#

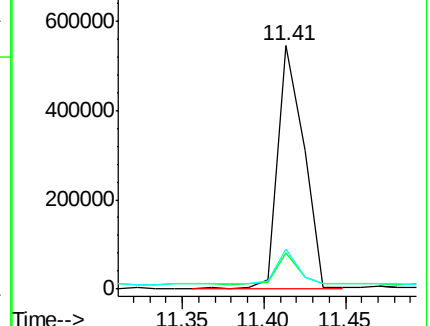
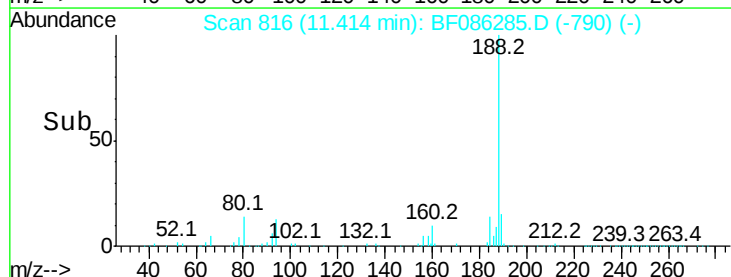
80 16.4 10.5 15.7#

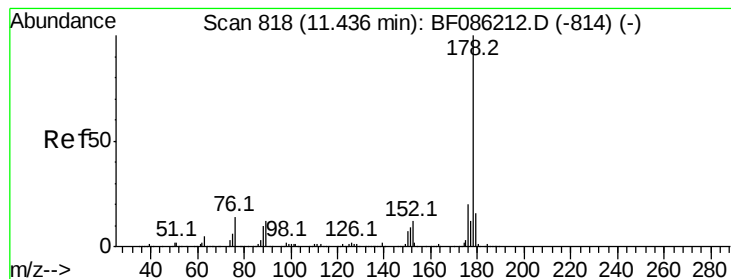


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.56 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

Instrument :

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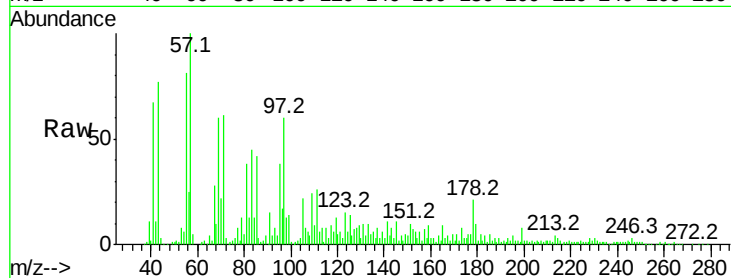
Tot Ion:178 Resp: 73631

Ion Ratio Lower Upper

178 100

176 23.0 16.3 24.5

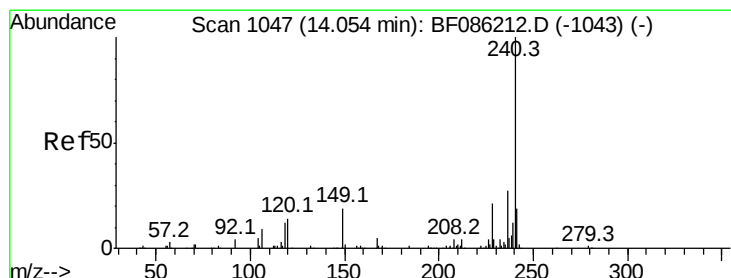
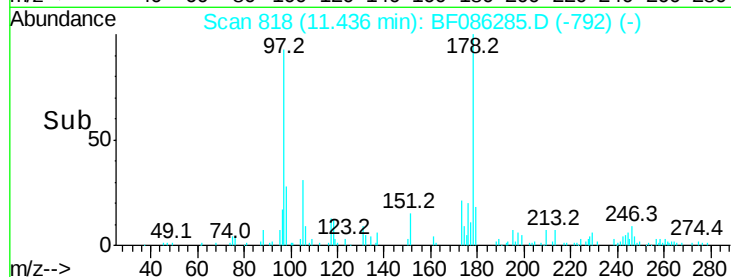
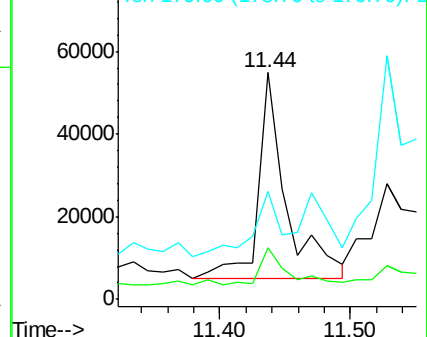
179 47.4 13.0 19.6#



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: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

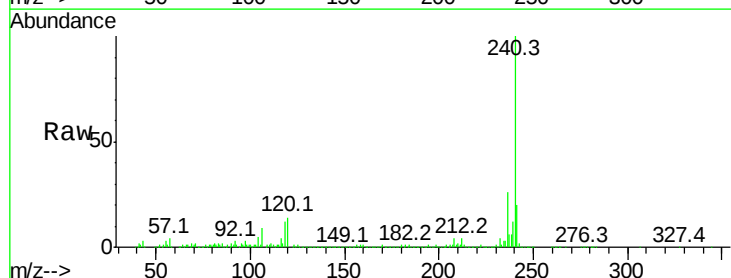
Tgt Ion:240 Resp: 517810

Ion Ratio Lower Upper

240 100

120 14.1 9.3 13.9#

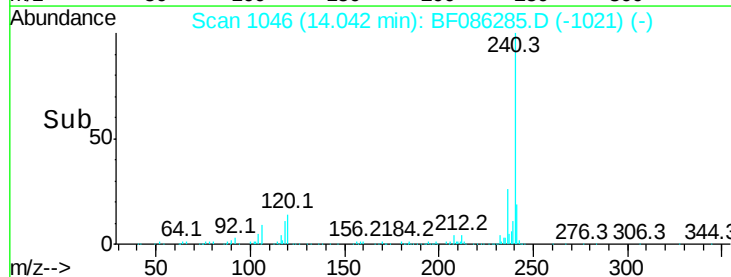
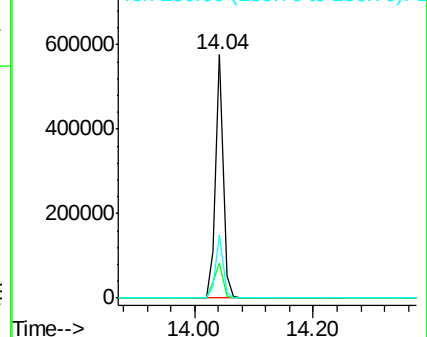
236 26.1 21.1 31.7

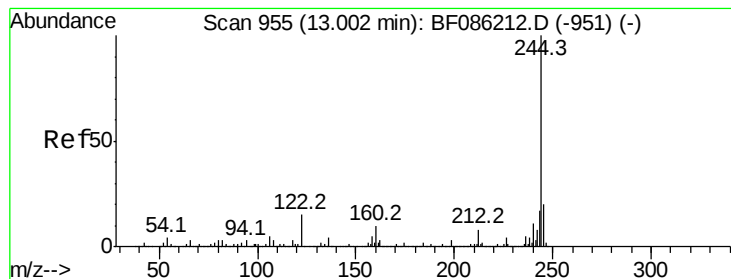


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 10.30 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

Instrument :

BNA_F

ClientSampleId :

TW-3-04062016DL

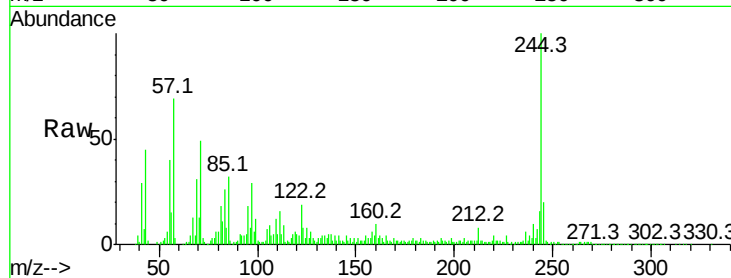
Tot Ion:244 Resp: 212125

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

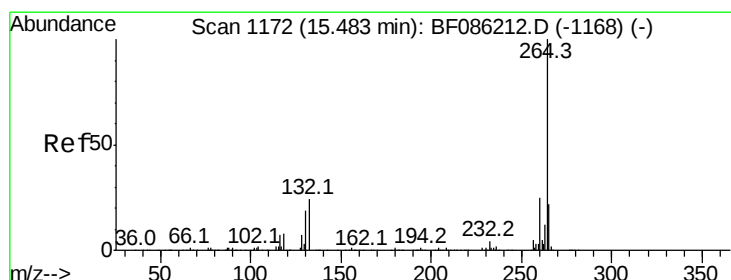
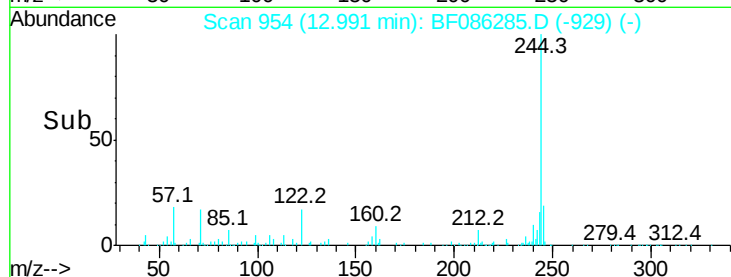
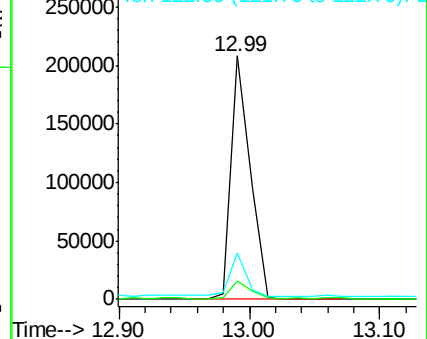
122 19.3 11.7 17.5#



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: 15.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF086285.D

Acq: 18 Apr 2016 16:44

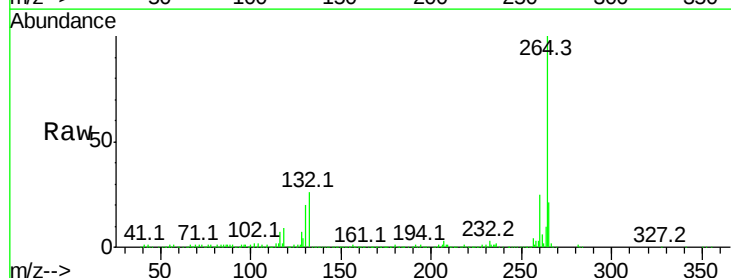
Tgt Ion:264 Resp: 517848

Ion Ratio Lower Upper

264 100

260 24.6 20.0 30.0

265 21.4 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

