

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084512.D
 Acq On : 16 Jan 2016 1:37
 Operator : SJ/UM
 Sample : H1134-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-10

Quant Time: Jan 16 03:42:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 03:20:07 2016
 Response via : Initial Calibration

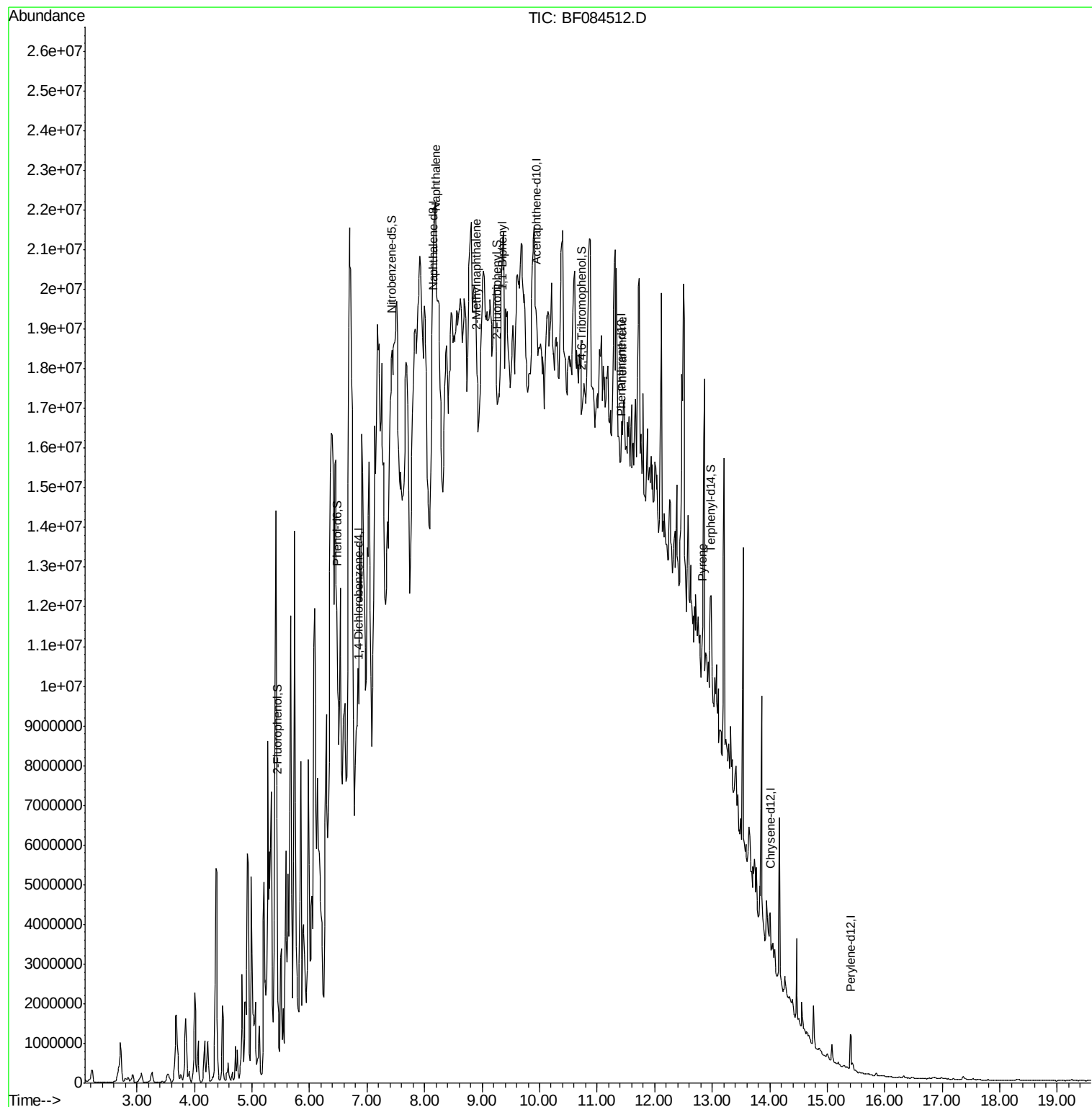
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	137494	20.00	ng	0.03
21) Naphthalene-d8	8.16	136	256219	20.00	ng	0.05
38) Acenaphthene-d10	9.94	164	182669	20.00	ng	0.07
63) Phenanthrene-d10	11.41	188	269688	20.00	ng	0.07
75) Chrysene-d12	14.01	240	445458	20.00	ng	0.02
86) Perylene-d12	15.41	264	519809	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1399464	164.63	ng	0.01
7) Phenol-d6	6.48	99	1498154	140.33	ng	0.00
23) Nitrobenzene-d5	7.42	82	906597	196.93	ng	0.03
41) 2,4,6-Tribromophenol	10.73	330	185494	100.58	ng	0.07
44) 2-Fluorobiphenyl	9.25	172	989120	96.08	ng	0.06
78) Terphenyl-d14	12.97	244	1048873	52.56	ng	0.03
Target Compounds						
31) Naphthalene	8.20	128	2898852	249.37	ng	# 62
37) 2-Methylnaphthalene	8.91	142	3922973	470.11	ng	# 93
45) 1,1'-Biphenyl	9.36	154	635117	43.75	ng	# 98
70) Phenanthrene	11.44	178	551328	39.08	ng	# 72
77) Pyrene	12.83	202	387149	11.08	ng	# 92

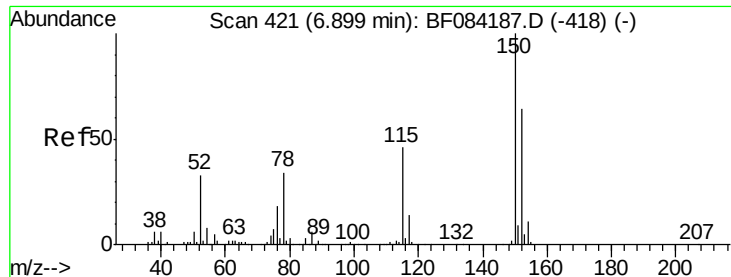
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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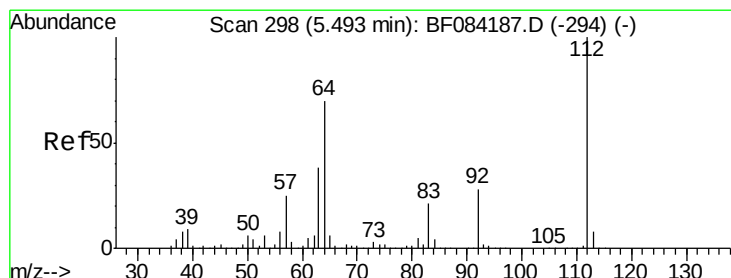
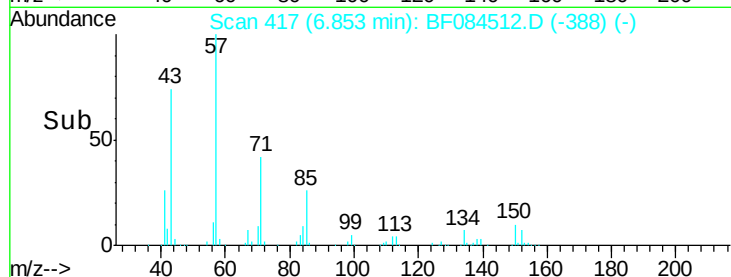
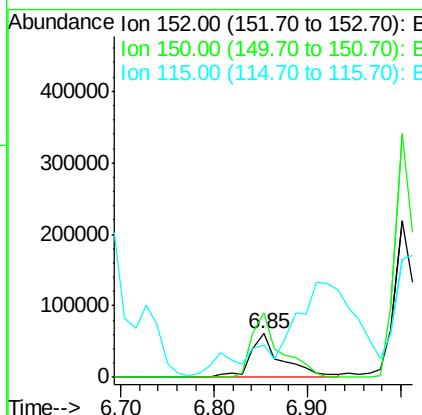
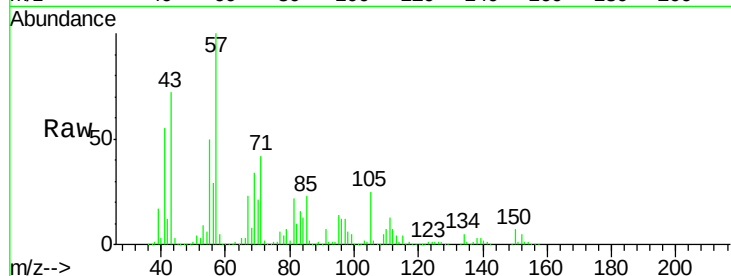


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.03 min
Lab File: BF084512.D
Acq: 16 Jan 2016 1:37

Instrument :
BNA_F
ClientSampleId :
UST-10

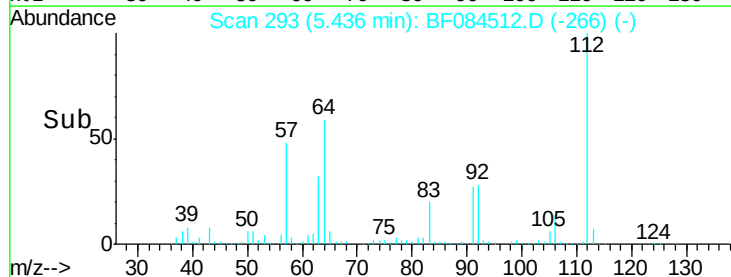
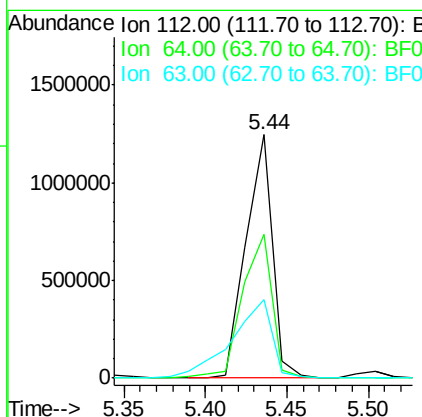
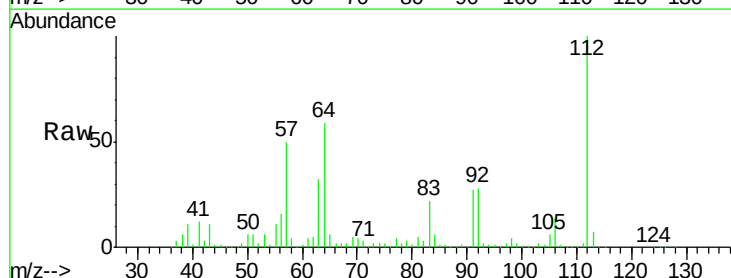
Tot Ion:152 Resp: 137494
Ion Ratio Lower Upper
152 100
150 147.0 123.0 184.4
115 75.0 51.4 77.2

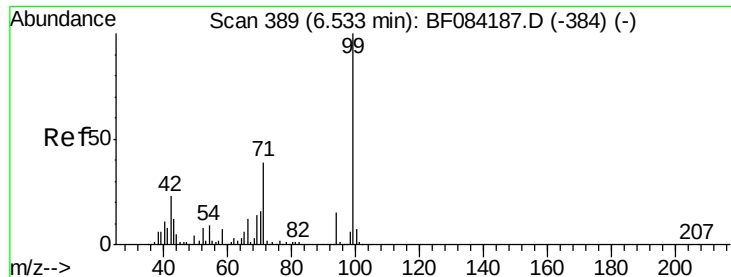


#5

2-Fluorophenol
Concen: 164.63 ng
RT: 5.44 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF084512.D
Acq: 16 Jan 2016 1:37

Tgt Ion:112 Resp: 1399464
Ion Ratio Lower Upper
112 100
64 59.1 36.6 55.0#
63 32.0 19.4 29.0#





#7

Phenol-d6

Concen: 140.33 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

Instrument :

BNA_F

ClientSampleId :

UST-10

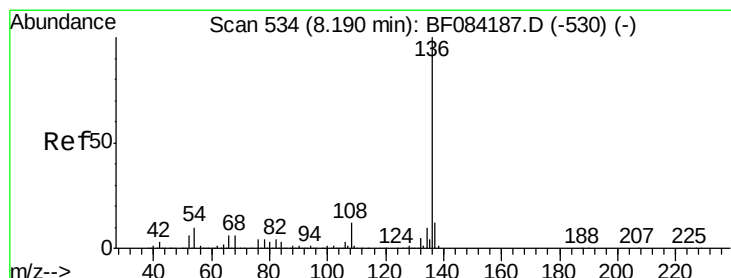
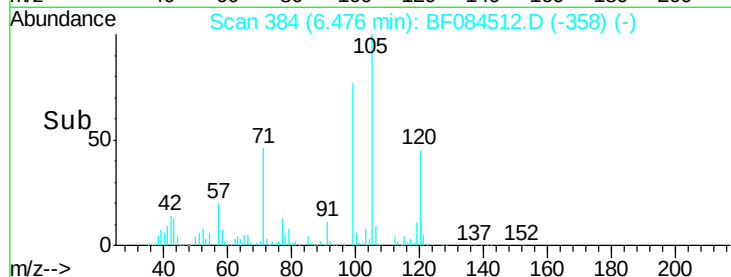
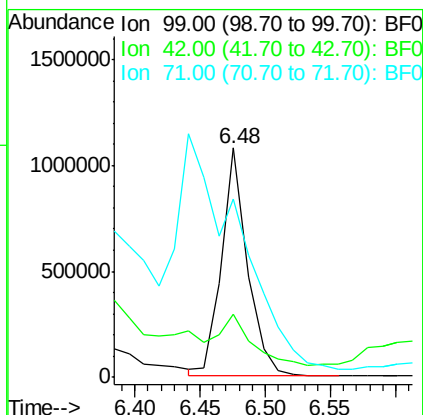
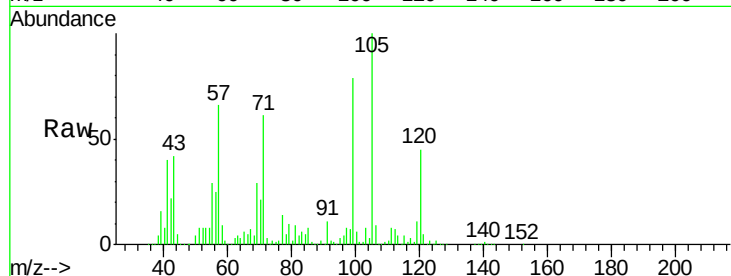
Tot Ion: 99 Resp: 1498154

Ion Ratio Lower Upper

99 100

42 27.4 12.8 19.2#

71 77.9 30.9 46.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.05 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

Tgt Ion: 136 Resp: 256219

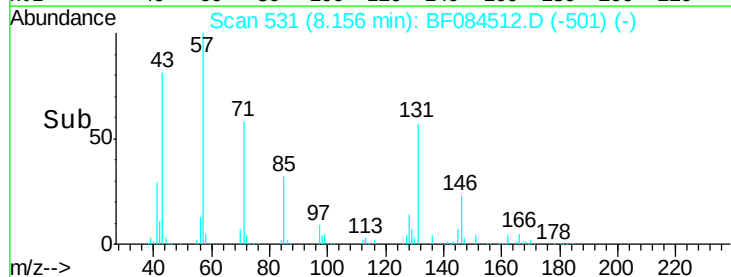
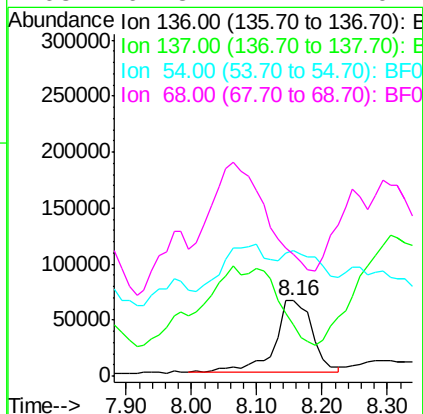
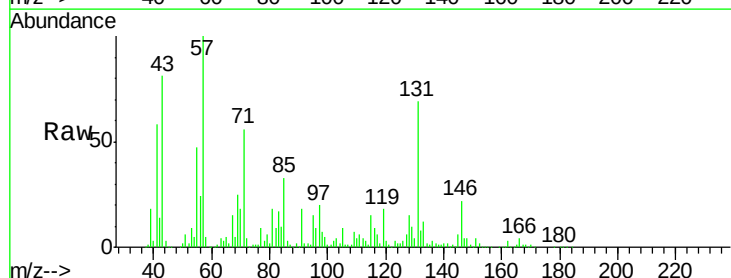
Ion Ratio Lower Upper

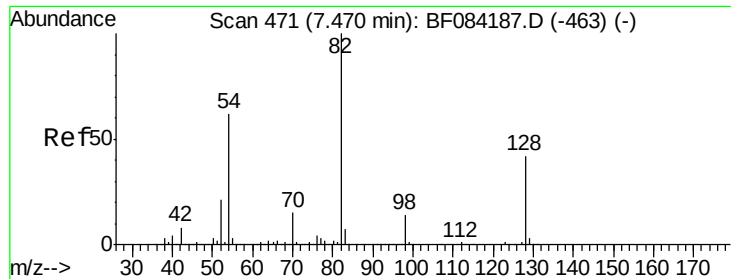
136 100

137 68.6 8.7 13.1#

54 167.4 5.8 8.8#

68 161.3 4.2 6.2#

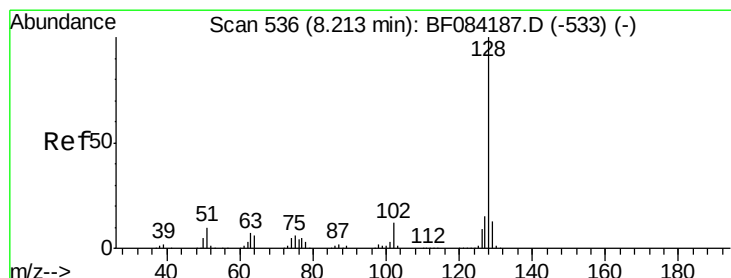
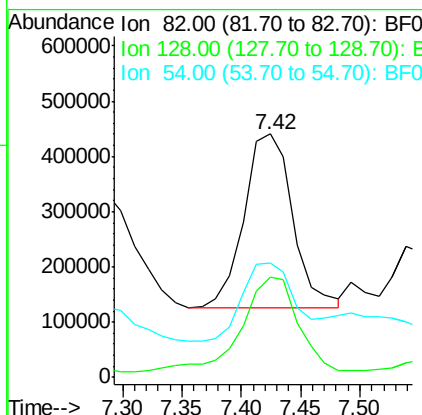
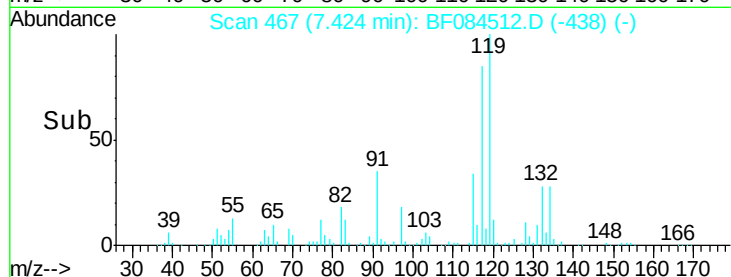
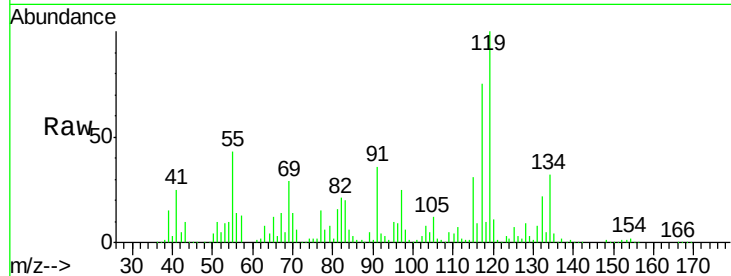




#23
Nitrobenzene-d5
Concen: 196.93 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.03 min
Lab File: BF084512.D
Acq: 16 Jan 2016 1:37

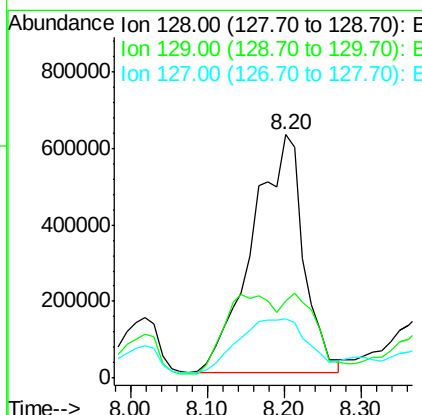
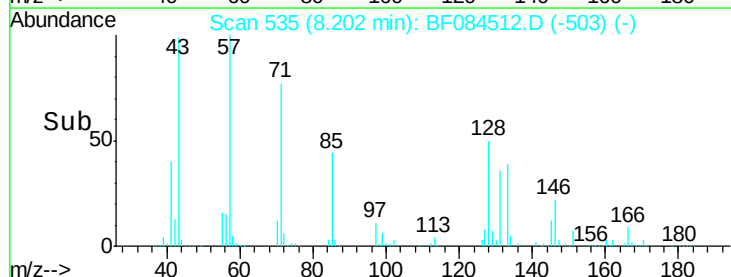
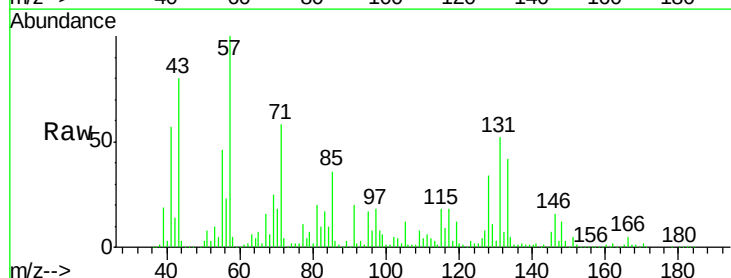
Instrument :
BNA_F
ClientSampled :
UST-10

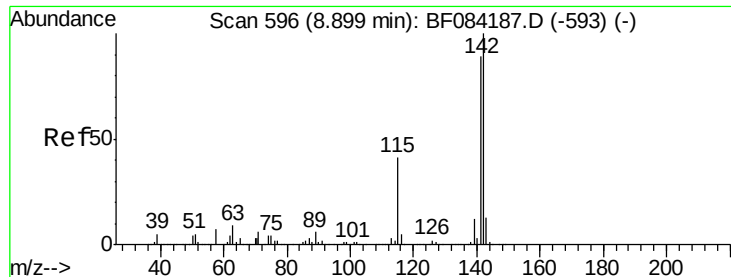
Tot Ion: 82 Resp: 906597
Ion Ratio Lower Upper
82 100
128 41.1 34.6 51.8
54 46.8 38.4 57.6



#31
Naphthalene
Concen: 249.37 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.07 min
Lab File: BF084512.D
Acq: 16 Jan 2016 1:37

Tgt Ion: 128 Resp: 2898852
Ion Ratio Lower Upper
128 100
129 31.5 9.1 13.7#
127 24.3 11.1 16.7#

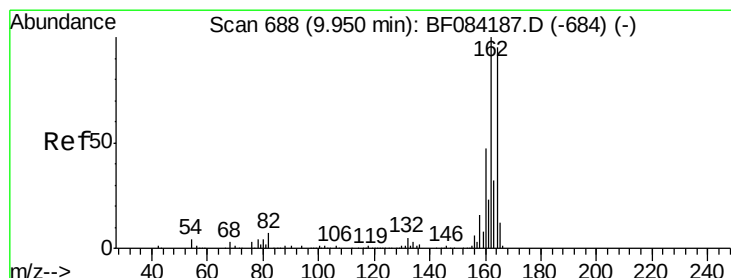
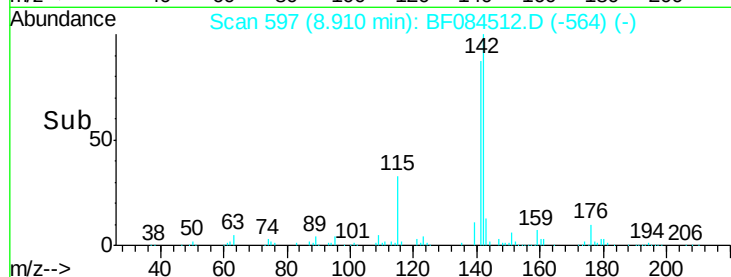
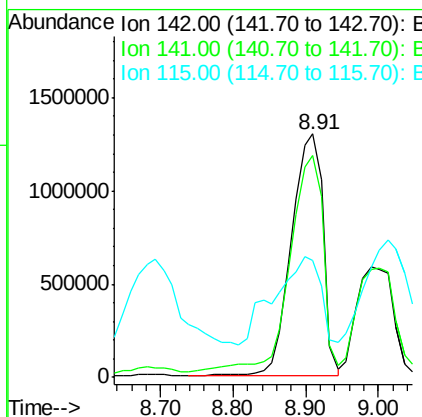
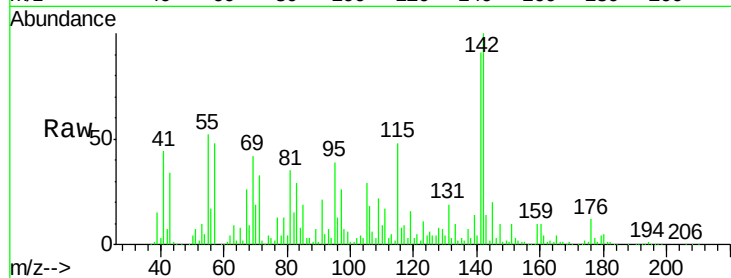




#37
 2-Methylnaphthalene
 Concen: 470.11 ng
 RT: 8.91 min Scan# 597
 Delta R.T. 0.08 min
 Lab File: BF084512.D
 Acq: 16 Jan 2016 1:37

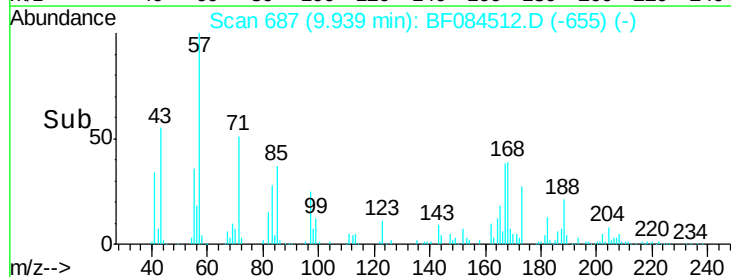
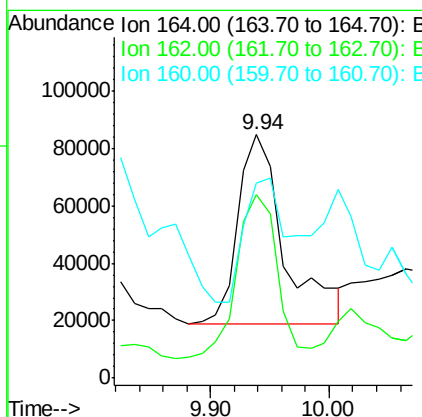
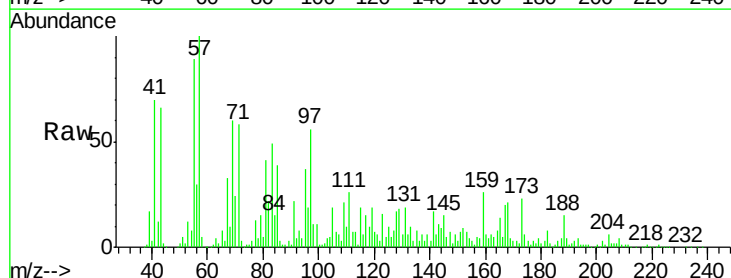
Instrument :
 BNA_F
 ClientSampleId :
 UST-10

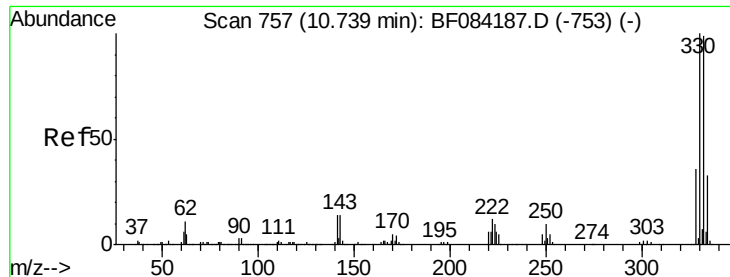
Tot Ion:142 Resp: 3922973
 Ion Ratio Lower Upper
 142 100
 141 91.0 72.4 108.6
 115 47.9 27.9 41.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.07 min
 Lab File: BF084512.D
 Acq: 16 Jan 2016 1:37

Tgt Ion:164 Resp: 182669
 Ion Ratio Lower Upper
 164 100
 162 75.1 85.1 127.7#
 160 80.1 37.5 56.3#

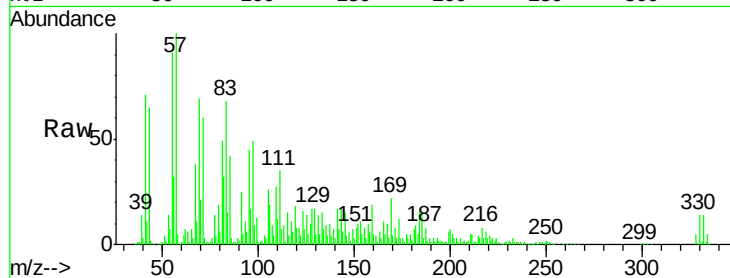




#41
 2,4,6-Tribromophenol
 Concen: 100.58 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.07 min
 Lab File: BF084512.D
 Acq: 16 Jan 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 UST-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	114.8
141	18.5	27.8	41.6#

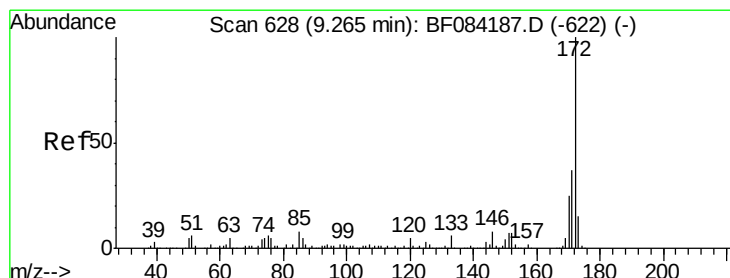
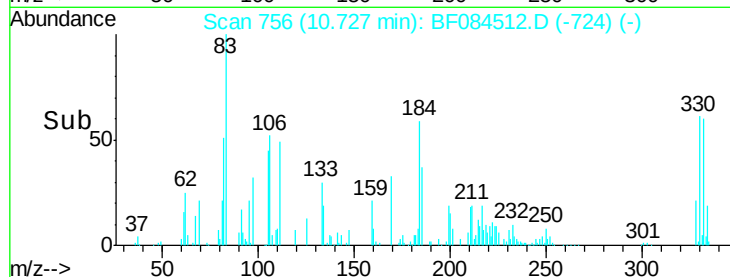
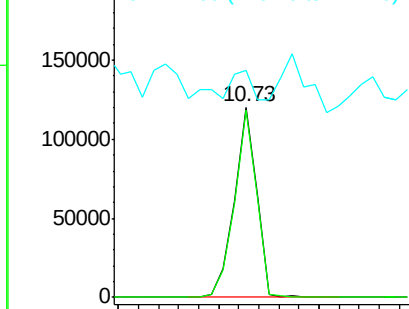


Abundance

Ion 329.80 (329.50 to 330.50): E

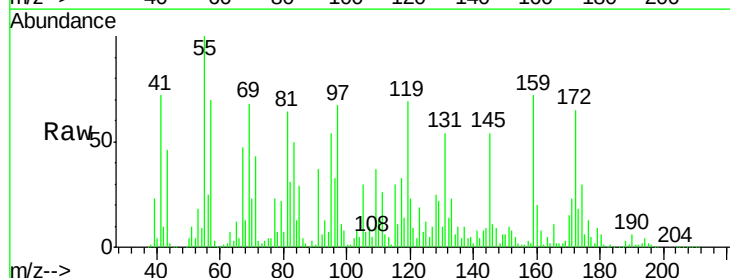
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 96.08 ng
 RT: 9.25 min Scan# 627
 Delta R.T. 0.06 min
 Lab File: BF084512.D
 Acq: 16 Jan 2016 1:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.9	43.3
170	23.2	18.6	27.8

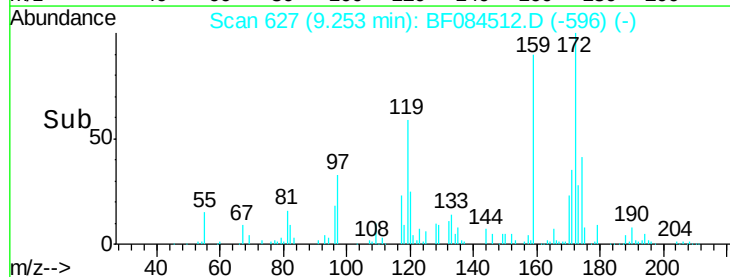
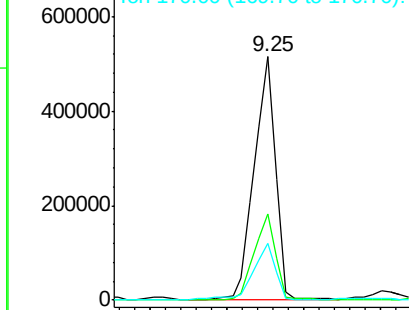


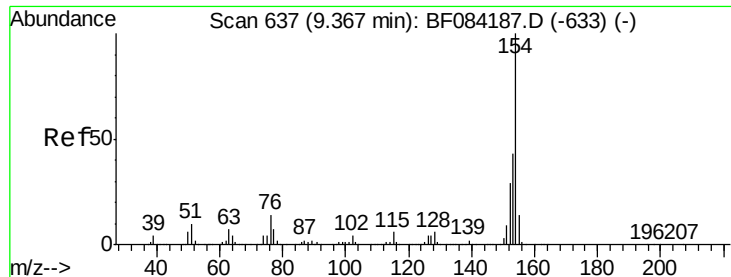
Abundance

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





#45

1,1'-Biphenyl

Concen: 43.75 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.07 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

Instrument :

BNA_F

ClientSampleId :

UST-10

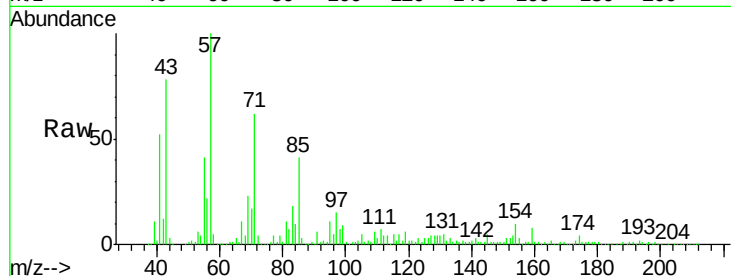
Tot Ion:154 Resp: 635117

Ion Ratio Lower Upper

154 100

153 43.0 21.6 61.6

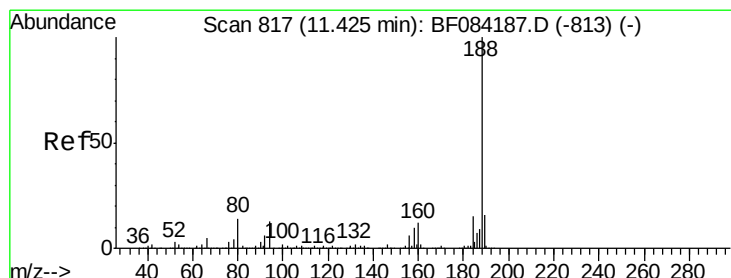
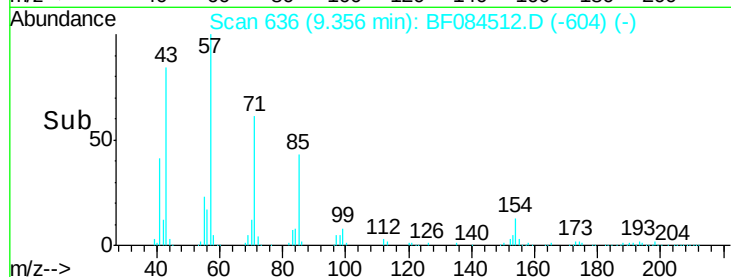
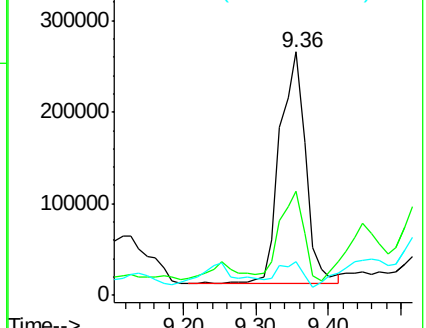
76 13.9 0.0 32.7



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. 0.07 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

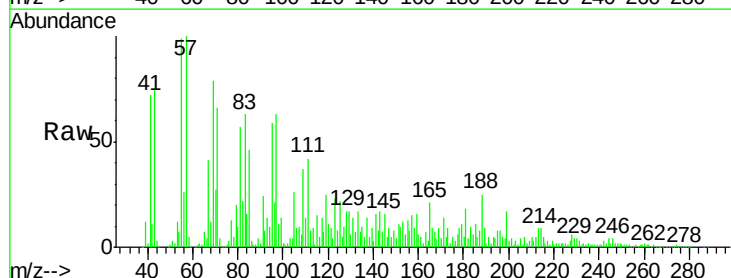
Tgt Ion:188 Resp: 269688

Ion Ratio Lower Upper

188 100

94 38.4 9.0 13.4#

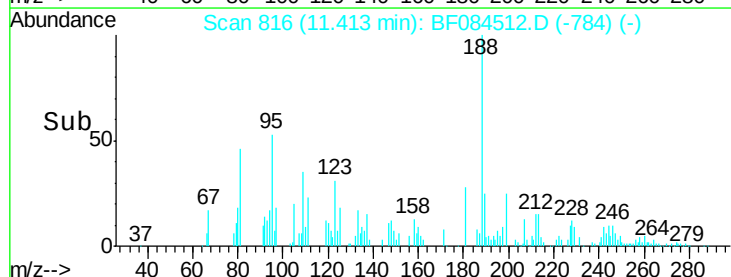
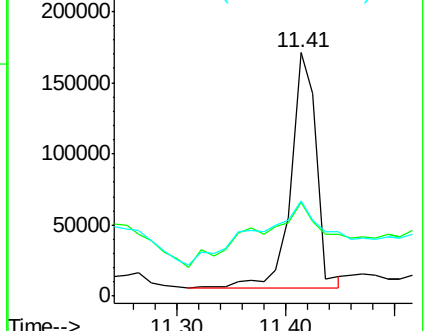
80 38.8 9.6 14.4#

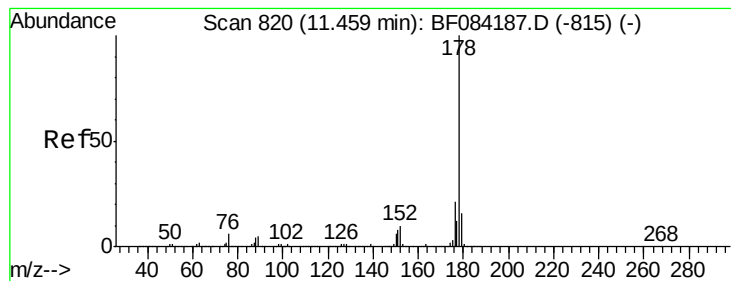


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 39.08 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.06 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

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UST-10

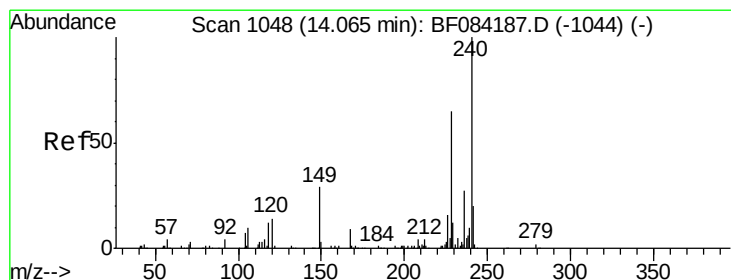
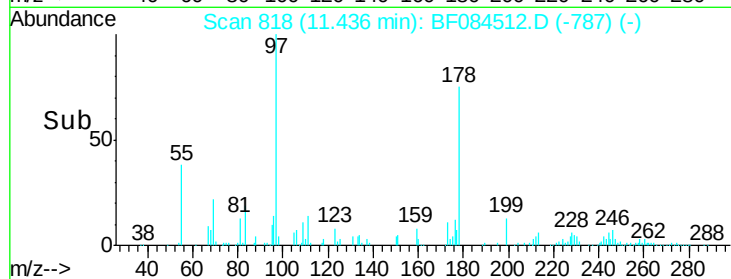
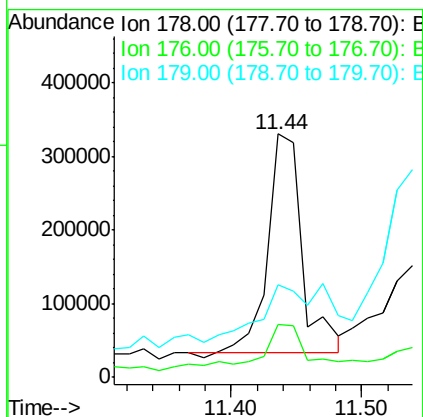
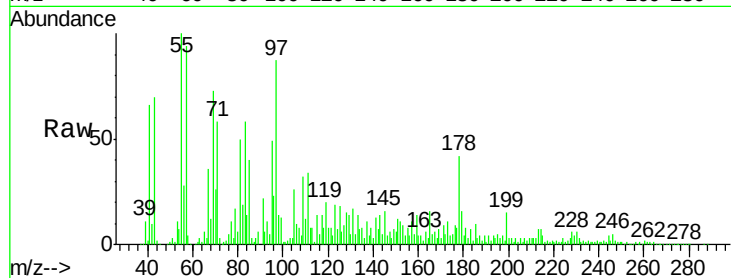
Tot Ion:178 Resp: 551328

Ion Ratio Lower Upper

178 100

176 21.6 15.3 22.9

179 38.2 12.0 18.0#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.02 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

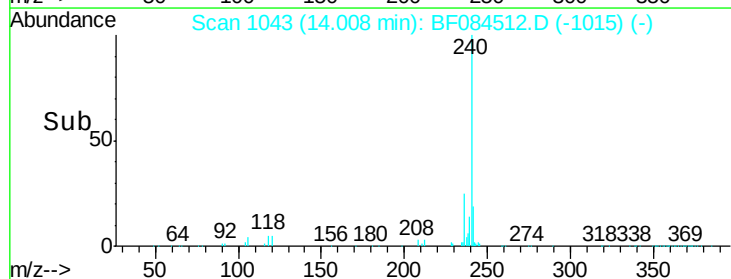
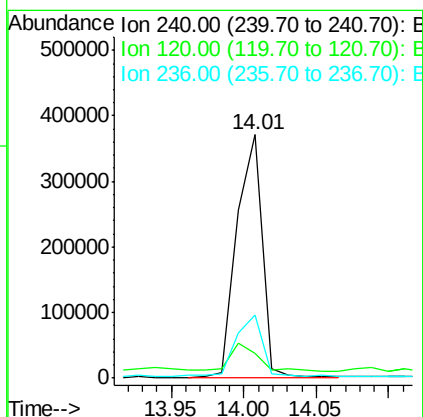
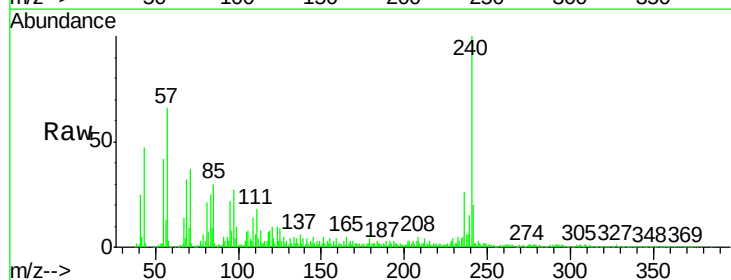
Tgt Ion:240 Resp: 445458

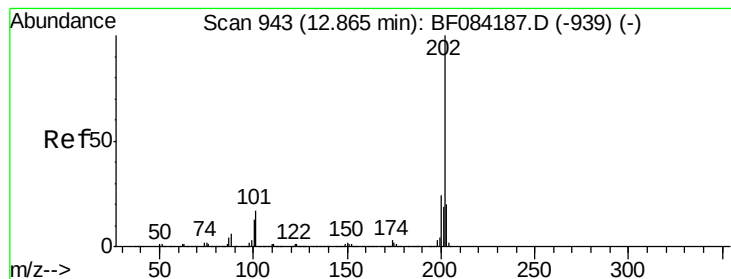
Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

236 26.0 20.6 31.0





#77

Pvrene

Concen: 11.08 ng

RT: 12.83 min Scan# 940

Delta R.T. 0.05 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

Instrument :

BNA_F

ClientSampleId :

UST-10

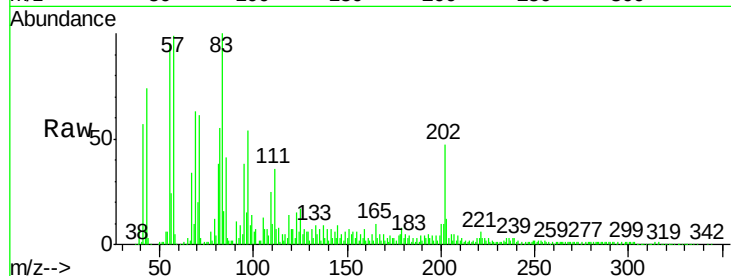
Tot Ion:202 Resp: 387149

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

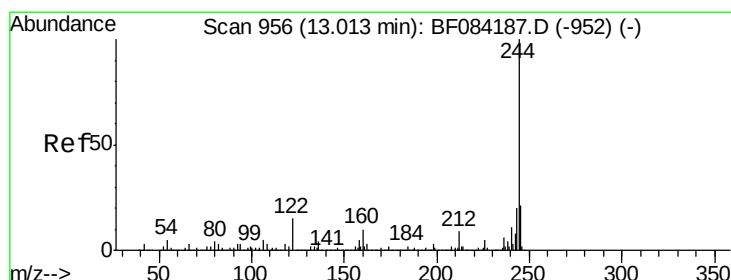
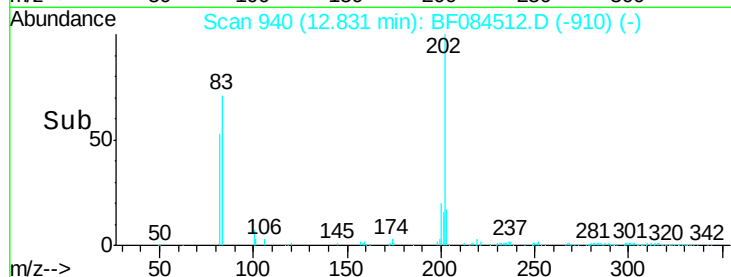
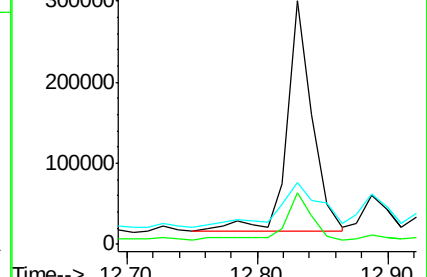
203 25.3 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 52.56 ng

RT: 12.97 min Scan# 952

Delta R.T. 0.03 min

Lab File: BF084512.D

Acq: 16 Jan 2016 1:37

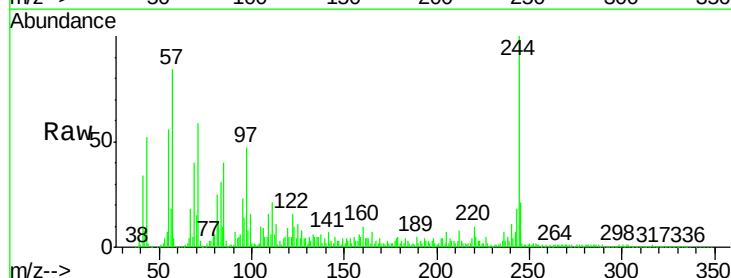
Tgt Ion:244 Resp: 1048873

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

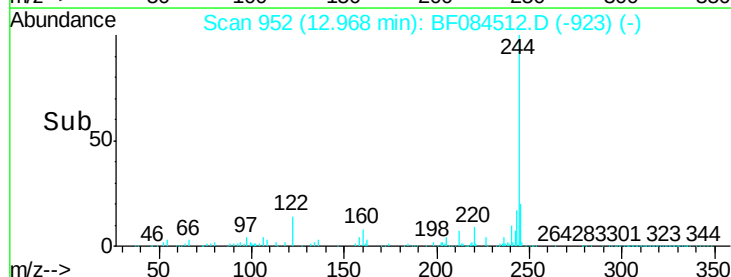
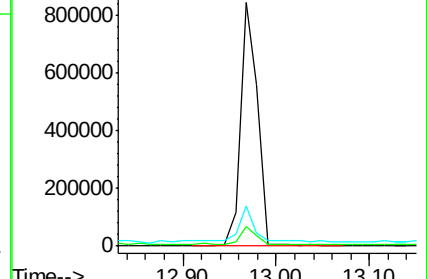
122 16.3 7.4 11.0#

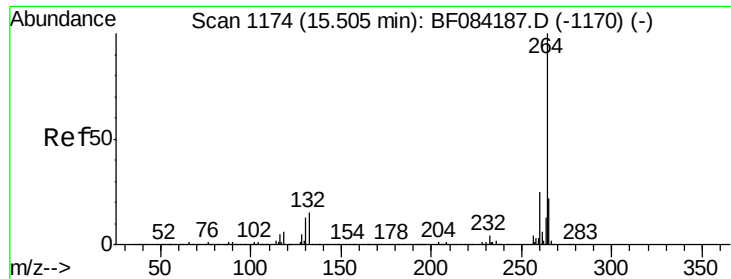


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.01 min
Lab File: BF084512.D
Acq: 16 Jan 2016 1:37

Instrument :
BNA_F
ClientSampleId :
UST-10

Tot Ion: 264 Resp: 519809

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.4	17.8	26.6

