

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084046.D
 Acq On : 23 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4851-04RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-9RE

Quant Time: Dec 24 07:50:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

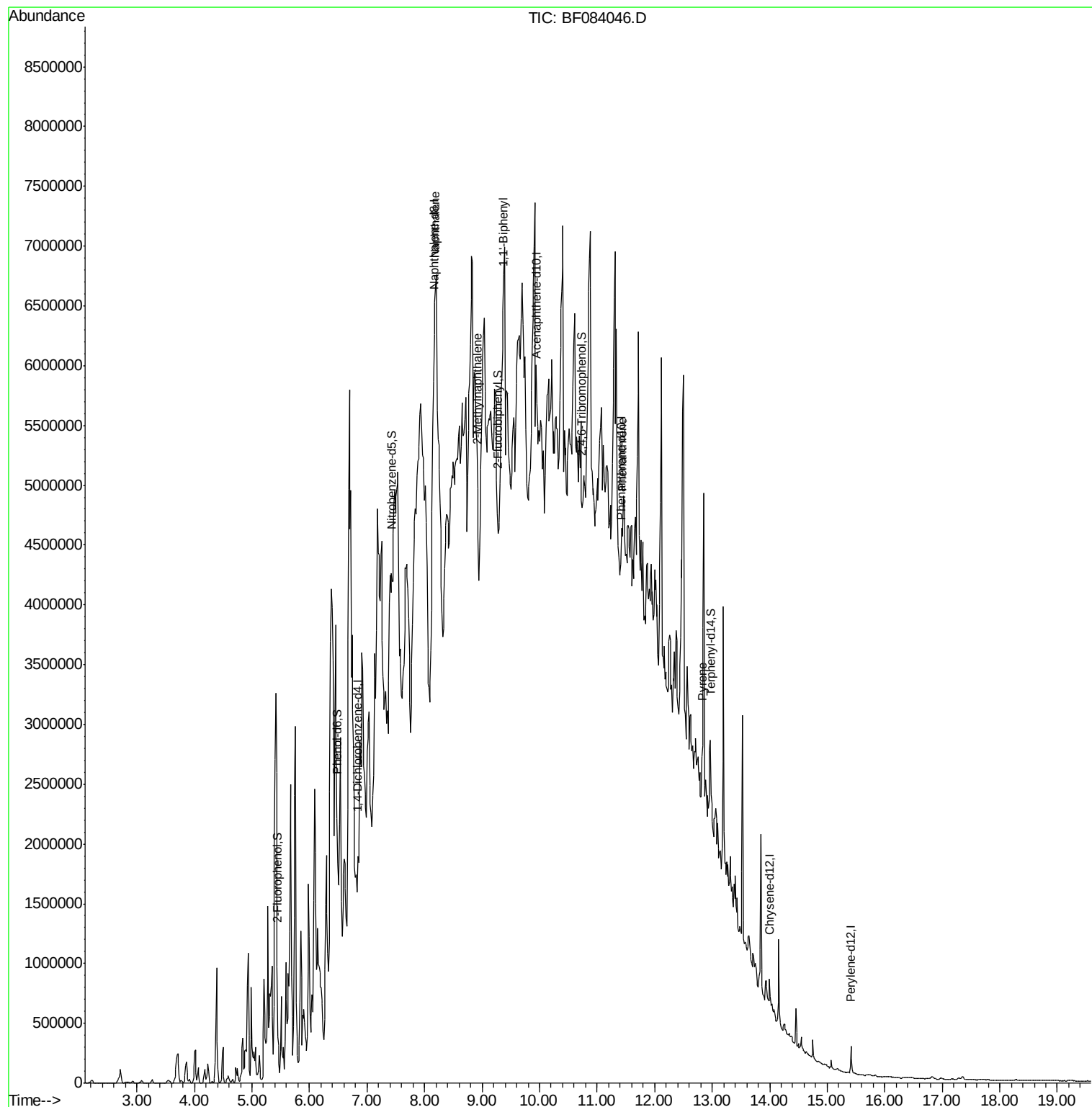
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	39605m	20.00	ng	0.01
21) Naphthalene-d8	8.17	136	99054m	20.00	ng	0.06
38) Acenaphthene-d10	9.95	164	53221	20.00	ng	0.08
63) Phenanthrene-d10	11.41	188	76222	20.00	ng	0.06
75) Chrysene-d12	14.00	240	89153	20.00	ng	0.00
86) Perylene-d12	15.41	264	95386	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	109603m	47.19	ng	0.00
7) Phenol-d6	6.48	99	205094m	75.10	ng	0.00
23) Nitrobenzene-d5	7.42	82	164718	102.16	ng	0.03
41) 2,4,6-Tribromophenol	10.73	330	10053	19.64	ng	0.07
44) 2-Fluorobiphenyl	9.26	172	200891	50.80	ng	0.07
78) Terphenyl-d14	12.97	244	182877	48.92	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	8.18	128	1051937m	207.88	ng	
37) 2-Methylnaphthalene	8.92	142	1136296m	346.75	ng	
45) 1,1'-Biphenyl	9.37	154	205093	43.59	ng	98
70) Phenanthrene	11.44	178	150647	34.97	ng	# 74
77) Pyrene	12.83	202	90467	14.96	ng	# 94

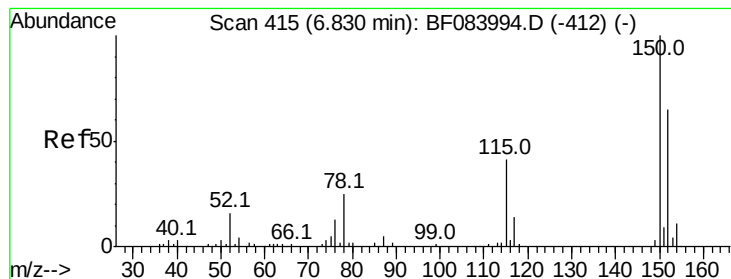
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.84 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Instrument :

BNA_F

ClientSampled :

UST-9RE

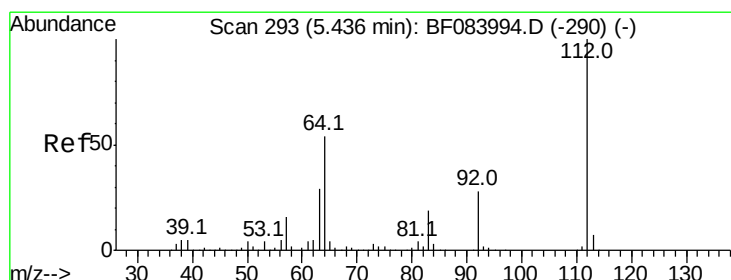
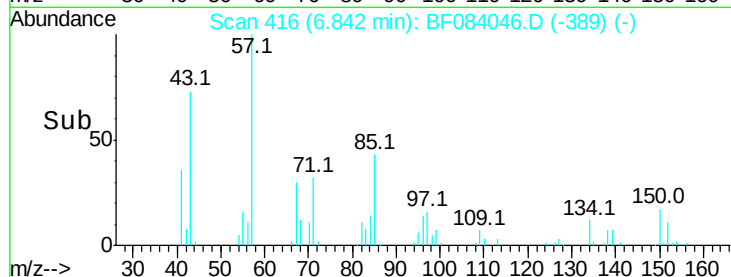
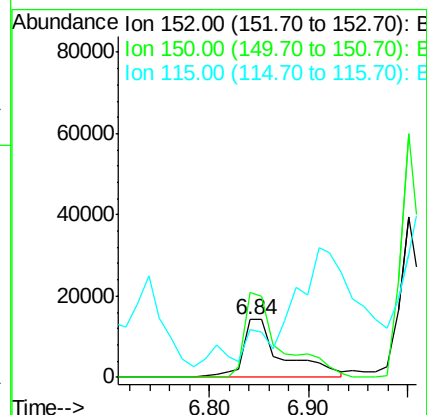
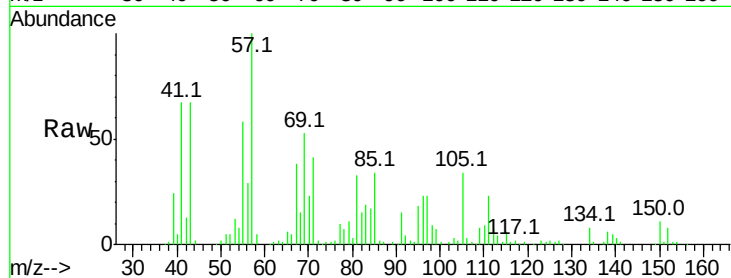
Tot Ion:152 Resp: 39605

Ion Ratio Lower Upper

152 100

150 148.5 123.0 184.4

115 83.4 51.4 77.2#



#5

2-Fluorophenol

Concen: 47.19 ng m

RT: 5.44 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

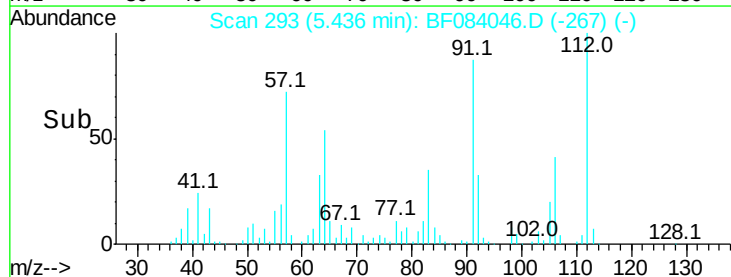
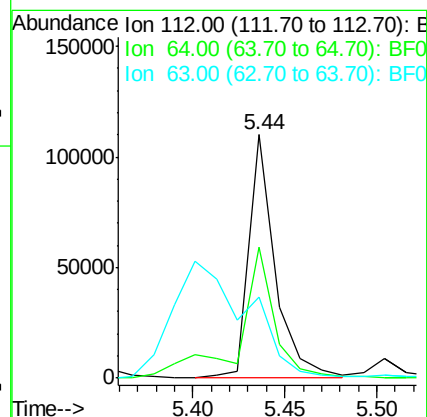
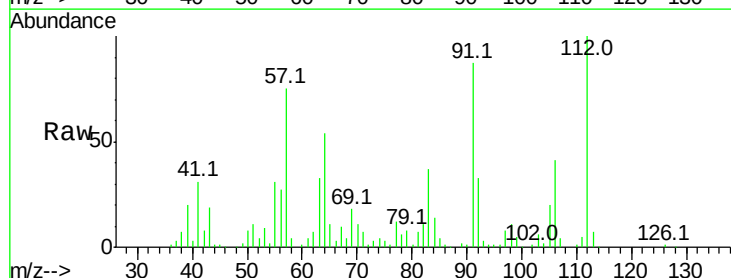
Tgt Ion:112 Resp: 109603

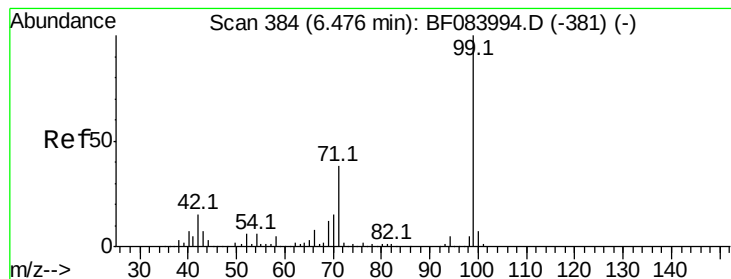
Ion Ratio Lower Upper

112 100

64 54.0 36.6 55.0

63 33.3 19.4 29.0#





#7

Phenol-d6

Concen: 75.10 ng m

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Instrument :

BNA_F

ClientSampleId :

UST-9RE

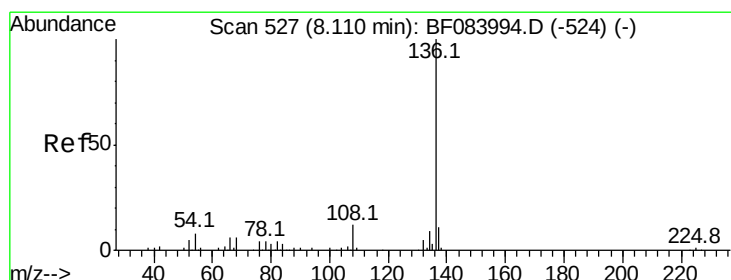
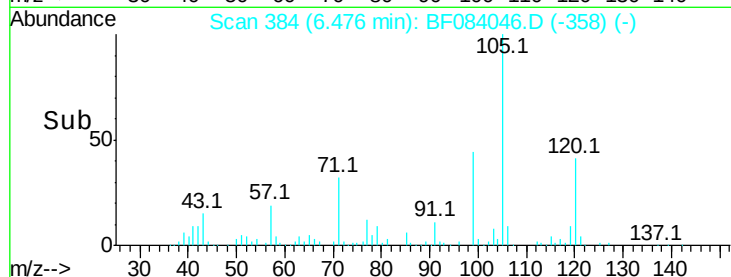
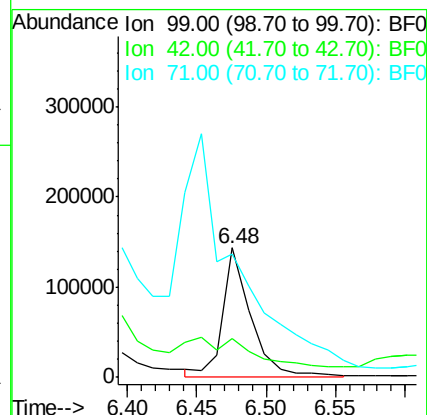
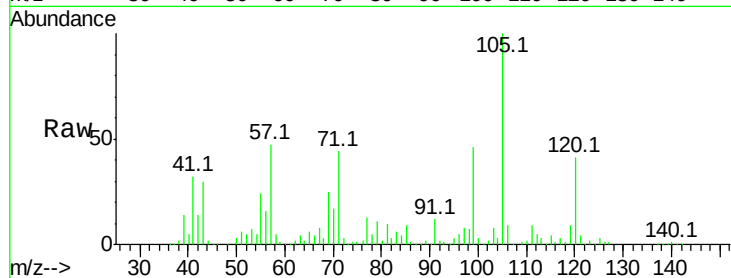
Tot Ion: 99 Resp: 205094

Ion Ratio Lower Upper

99 100

42 29.7 12.8 19.2#

71 95.9 30.9 46.3#



#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 8.17 min Scan# 532

Delta R.T. 0.06 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Tgt Ion: 136 Resp: 99054

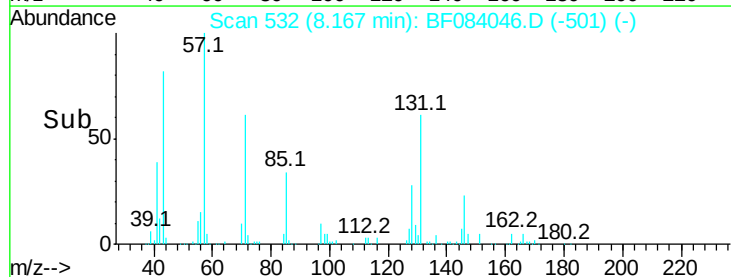
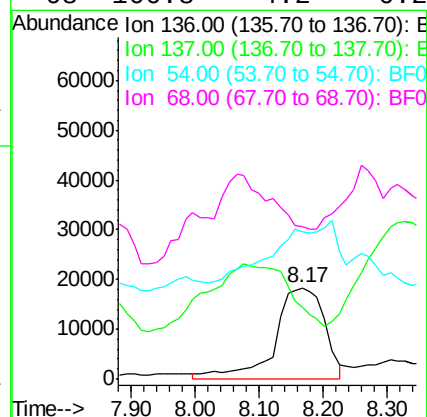
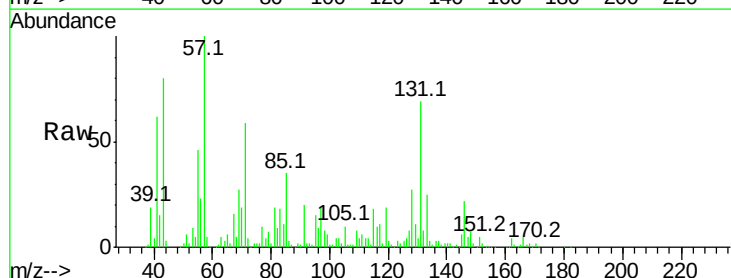
Ion Ratio Lower Upper

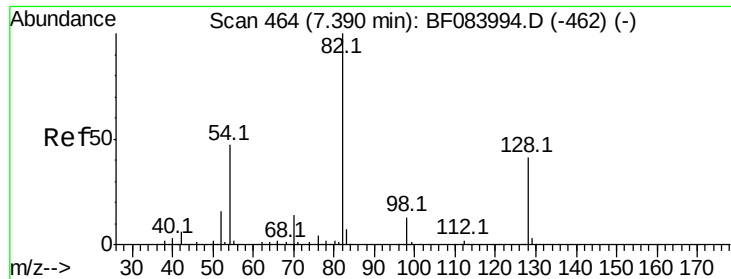
136 100

137 78.5 8.7 13.1#

54 160.9 5.8 8.8#

68 166.8 4.2 6.2#

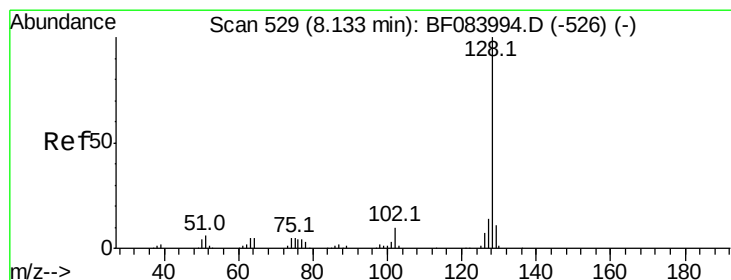
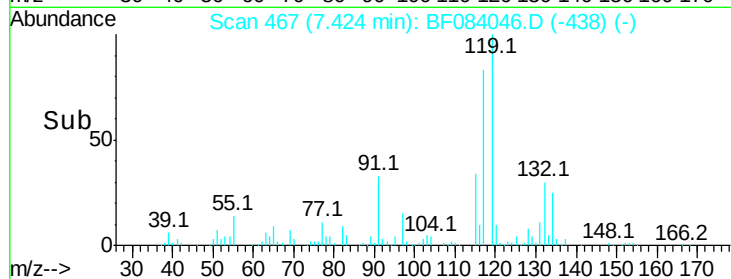
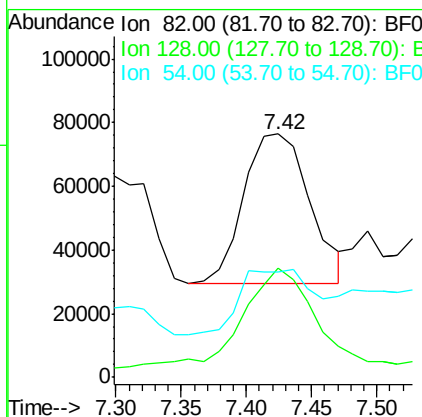
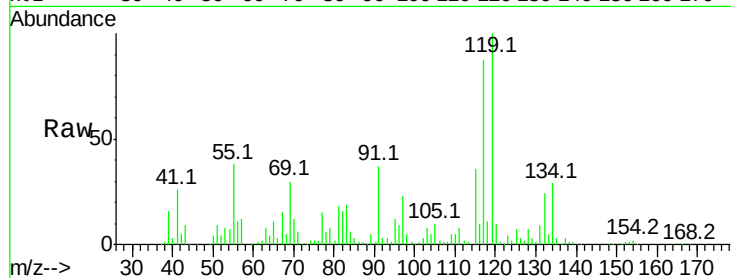




#23
 Nitrobenzene-d5
 Concen: 102.16 ng
 RT: 7.42 min Scan# 467
 Delta R.T. 0.03 min
 Lab File: BF084046.D
 Acq: 23 Dec 2015 21:10

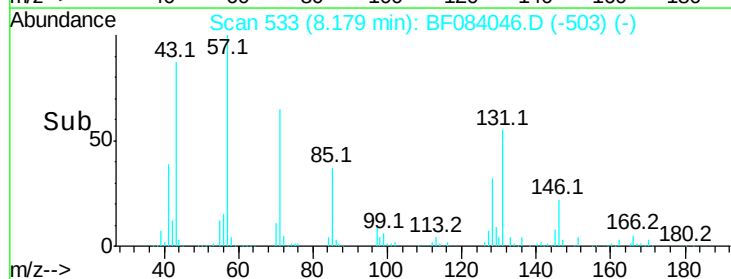
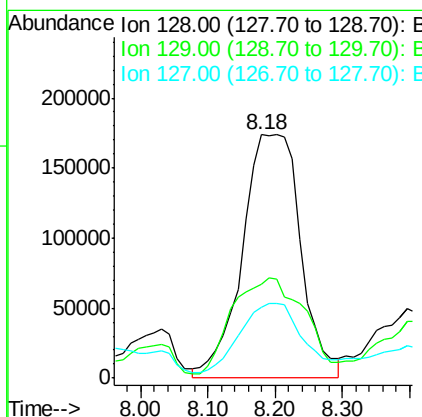
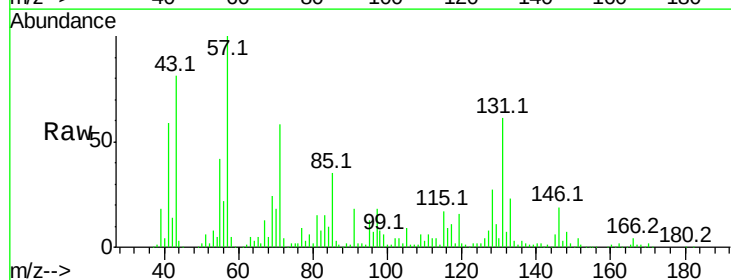
Instrument :
 BNA_F
 ClientSampled :
 UST-9RE

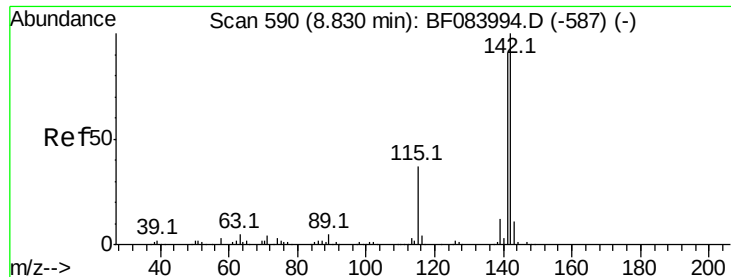
Tot Ion: 82 Resp: 164718
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.6 51.8
 54 43.0 38.4 57.6



#31
 Naphthalene
 Concen: 207.88 ng m
 RT: 8.18 min Scan# 533
 Delta R.T. 0.05 min
 Lab File: BF084046.D
 Acq: 23 Dec 2015 21:10

Tgt Ion:128 Resp: 1051937
 Ion Ratio Lower Upper
 128 100
 129 38.5 9.1 13.7#
 127 29.0 11.1 16.7#





#37

2-Methylnaphthalene

Concen: 346.75 ng/mL

RT: 8.92 min Scan# 598

Delta R.T. 0.09 min

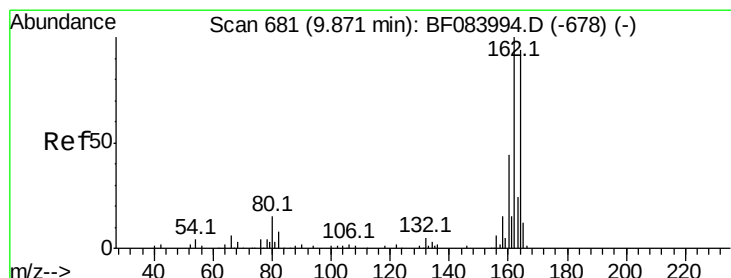
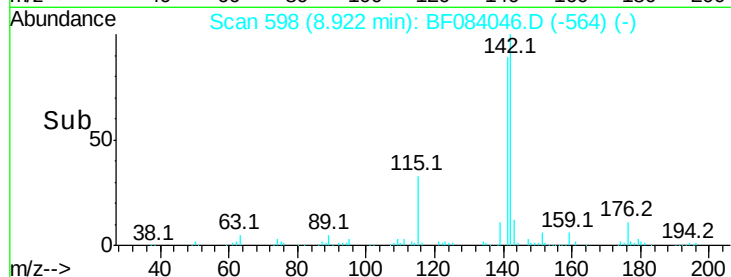
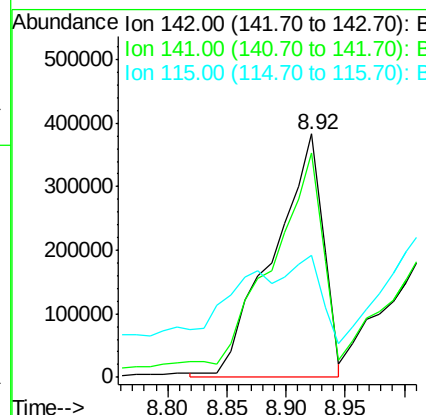
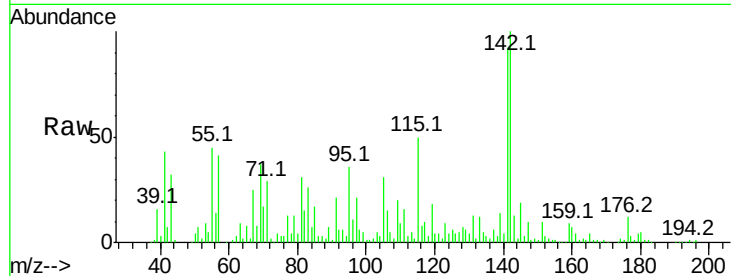
Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Instrument :
BNA_F
ClientSampleId :
UST-9RE

Tot Ion:142 Resp: 1136296

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.4	108.6
115	50.2	27.9	41.9



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

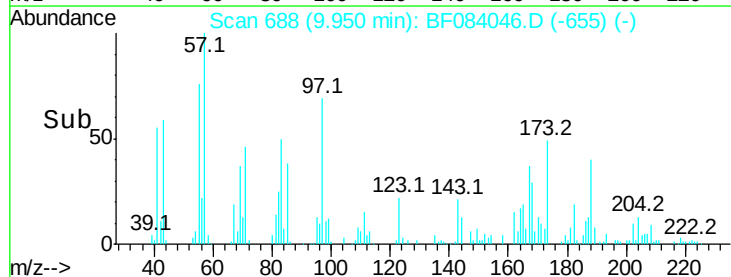
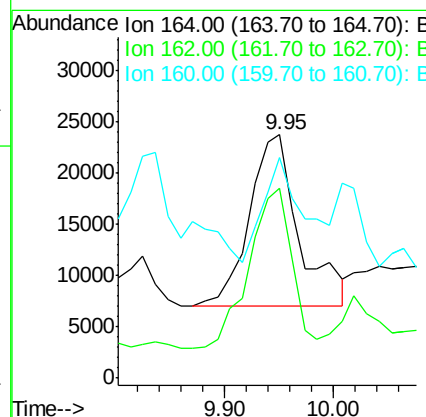
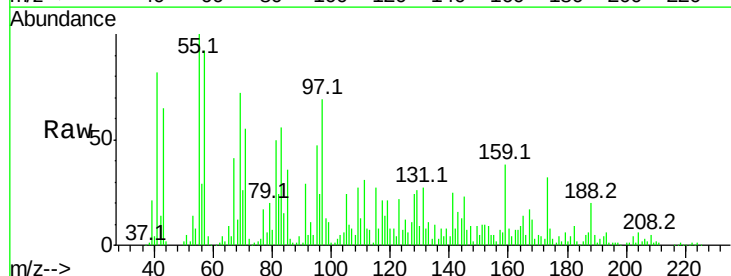
Delta R.T. 0.08 min

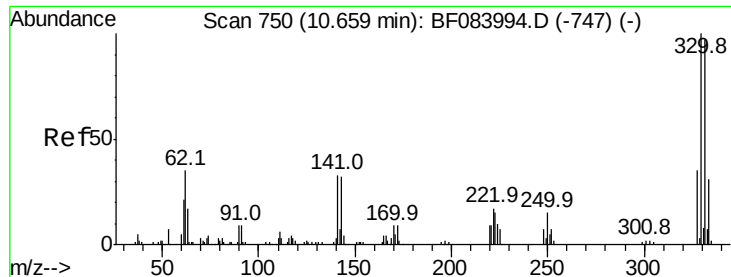
Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Tgt Ion:164 Resp: 53221

Ion	Ratio	Lower	Upper
164	100		
162	77.9	85.1	127.7
160	90.8	37.5	56.3

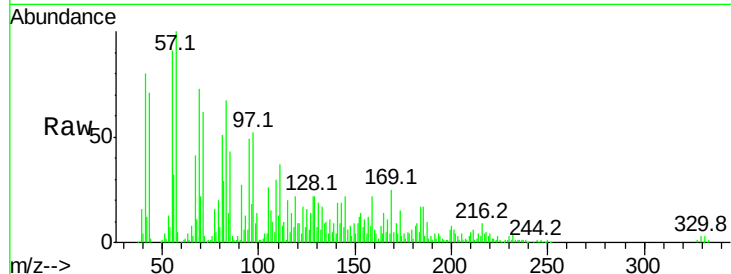




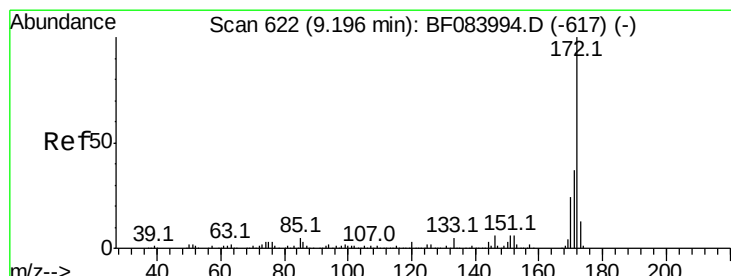
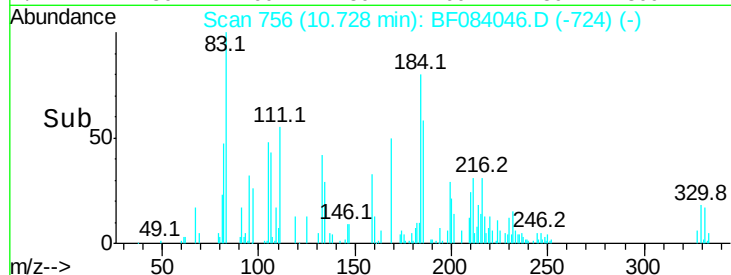
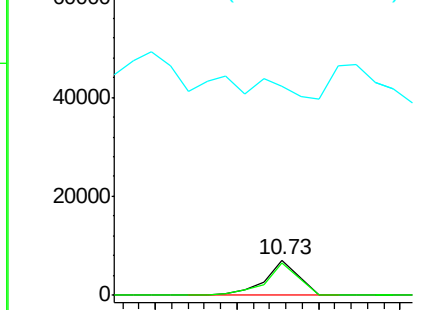
#41
 2,4,6-Tribromophenol
 Concen: 19.64 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.07 min
 Lab File: BF084046.D
 Acq: 23 Dec 2015 21:10

Instrument :
 BNA_F
 ClientSampleId :
 UST-9RE

Tot Ion:330 Resp: 10053
 Ion Ratio Lower Upper
 330 100
 332 91.2 76.6 114.8
 141 0.0 27.8 41.6#

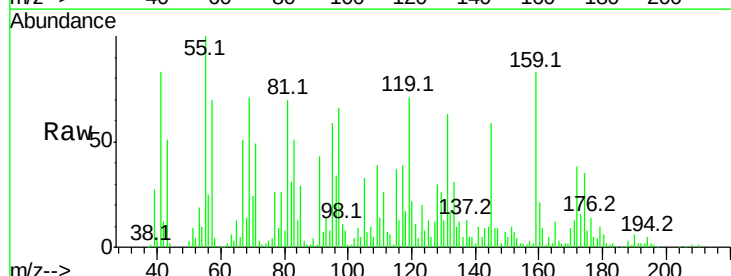


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

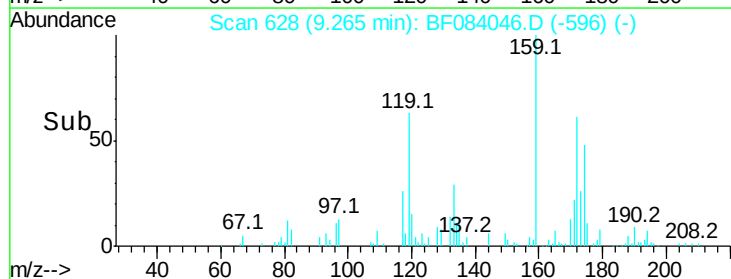
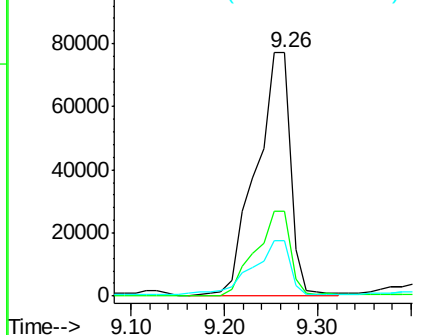


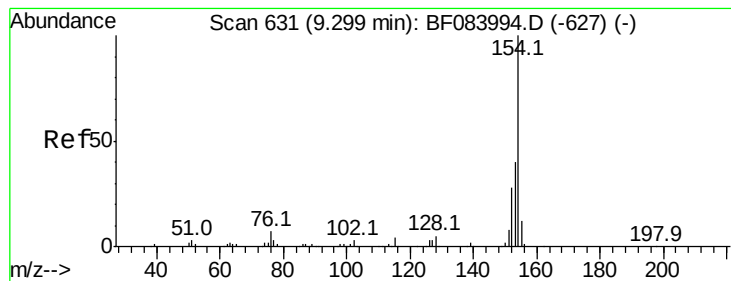
#44
 2-Fluorobiphenyl
 Concen: 50.80 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.07 min
 Lab File: BF084046.D
 Acq: 23 Dec 2015 21:10

Tgt Ion:172 Resp: 200891
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.9 43.3
 170 22.8 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: 43.59 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.07 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Instrument :

BNA_F

ClientSampleId :

UST-9RE

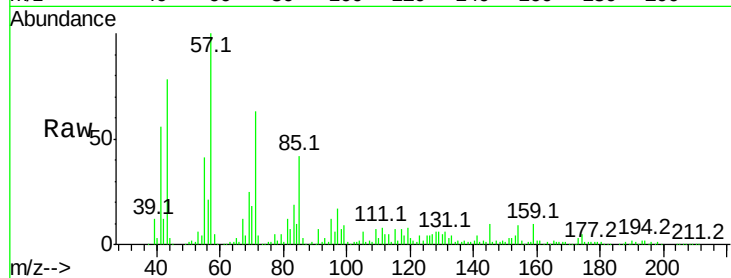
Tot Ion:154 Resp: 205093

Ion Ratio Lower Upper

154 100

153 43.2 21.6 61.6

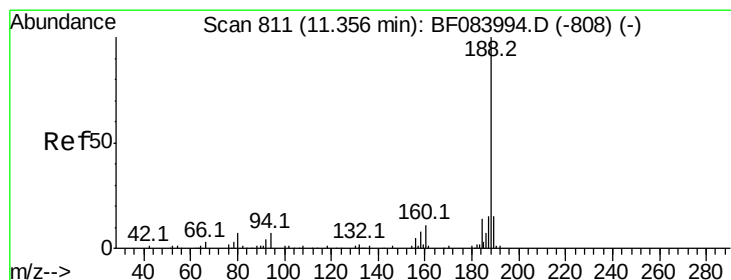
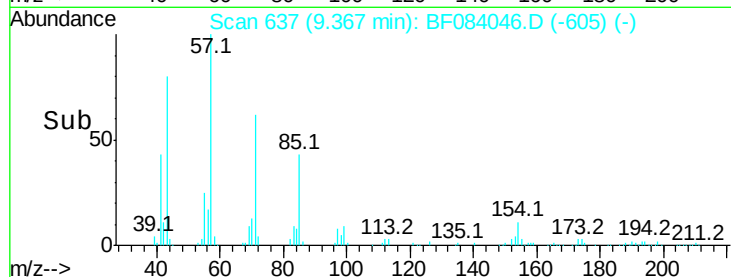
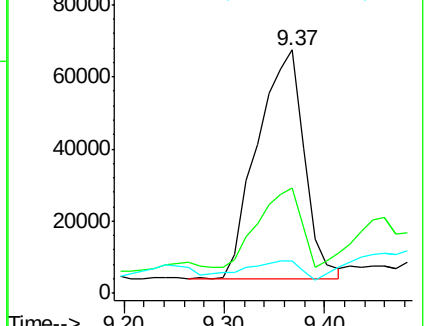
76 13.5 0.0 32.7



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. 0.06 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

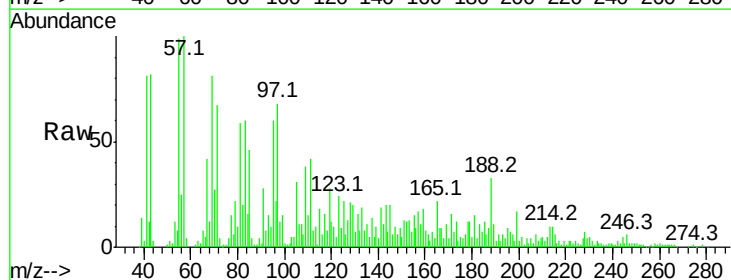
Tgt Ion:188 Resp: 76222

Ion Ratio Lower Upper

188 100

94 30.1 9.0 13.4#

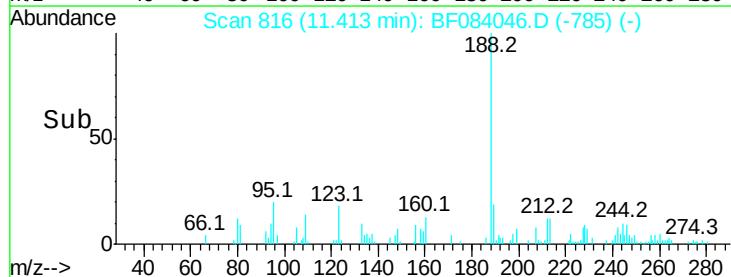
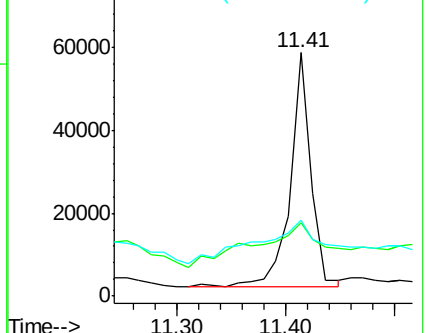
80 31.3 9.6 14.4#

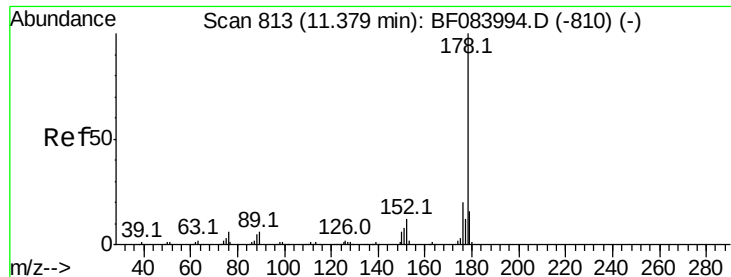


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 34.97 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.06 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Instrument :

BNA_F

ClientSampleId :

UST-9RE

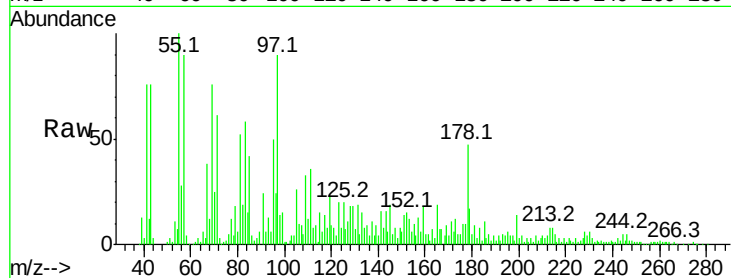
Tot Ion:178 Resp: 150647

Ion Ratio Lower Upper

178 100

176 21.2 15.3 22.9

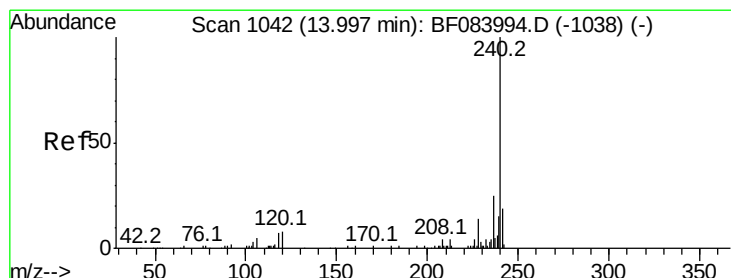
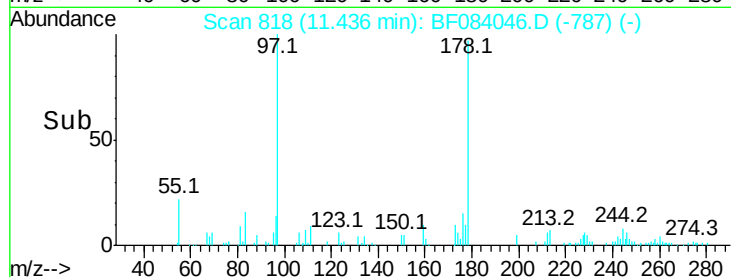
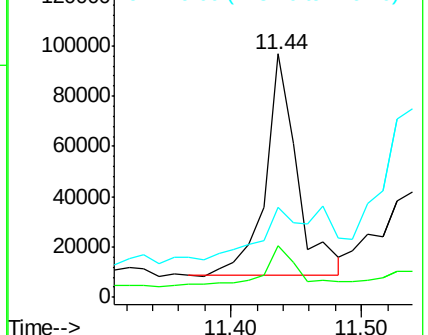
179 37.0 12.0 18.0#



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: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

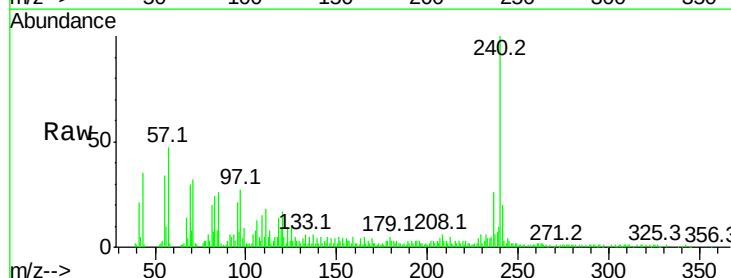
Tgt Ion:240 Resp: 89153

Ion Ratio Lower Upper

240 100

120 17.0 9.5 14.3#

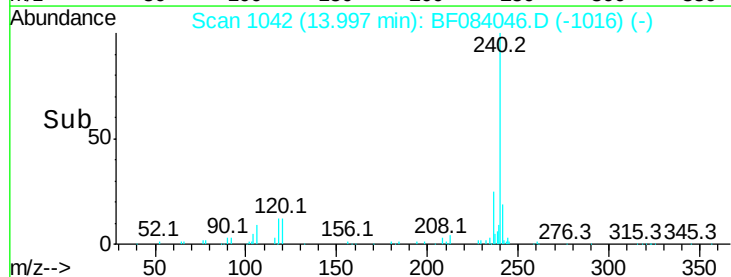
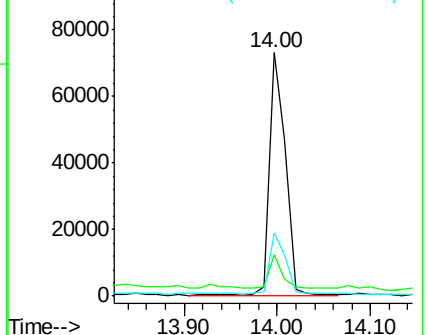
236 26.1 20.6 31.0

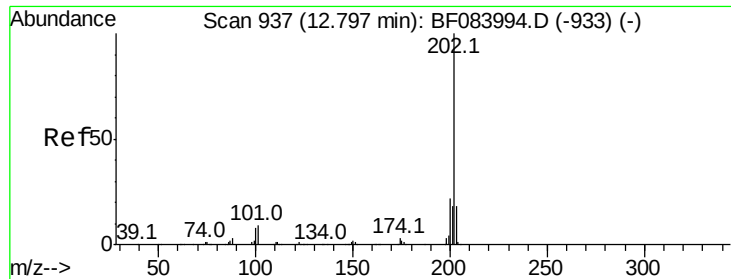


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.96 ng

RT: 12.83 min Scan# 940

Delta R.T. 0.03 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

Instrument :

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ClientSampleId :

UST-9RE

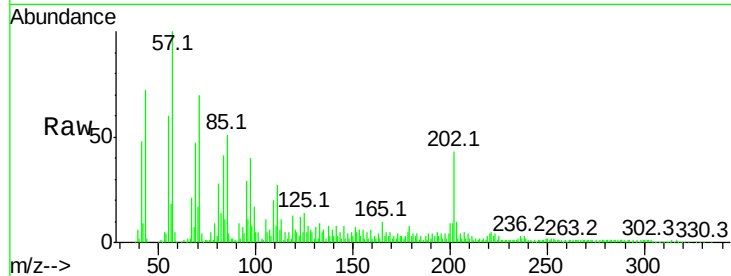
Tot Ion:202 Resp: 90467

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 23.4 14.3 21.5#

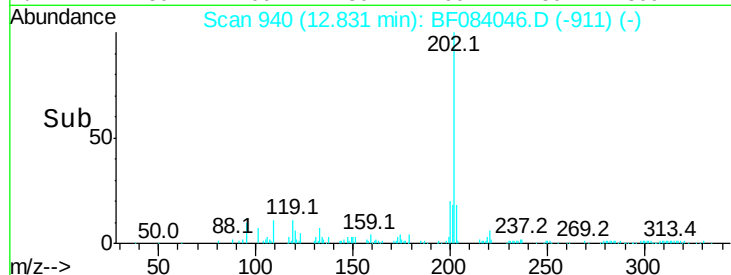


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



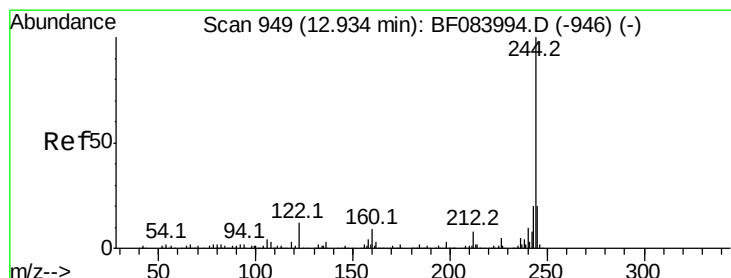
Abundance

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

Time-->



#78

Terphenyl-d14

Concen: 48.92 ng

RT: 12.97 min Scan# 952

Delta R.T. 0.03 min

Lab File: BF084046.D

Acq: 23 Dec 2015 21:10

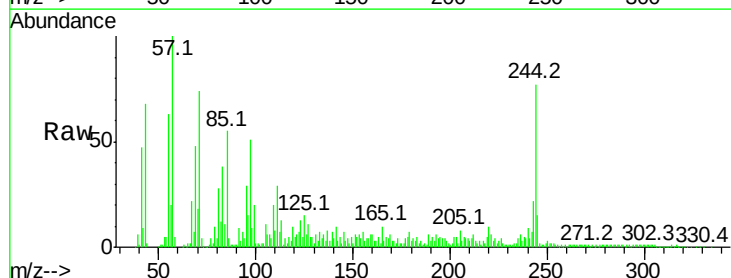
Tgt Ion:244 Resp: 182877

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 8.9 7.4 11.0

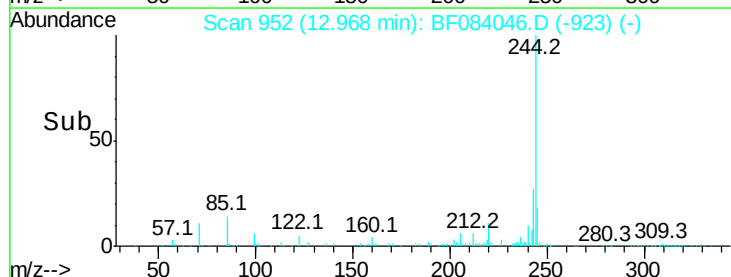


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



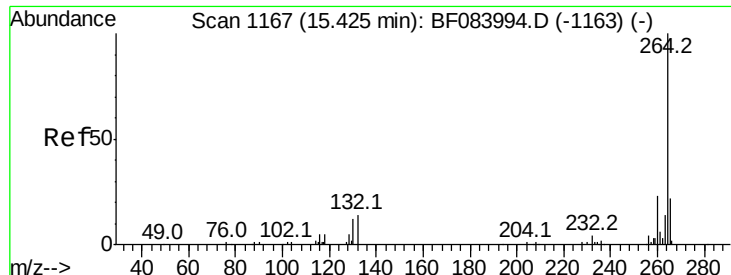
Abundance

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

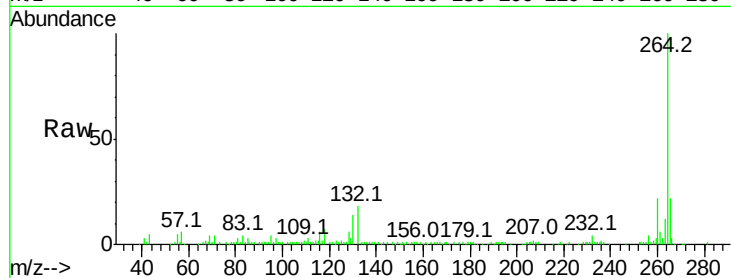
Time-->



#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF084046.D
 Acq: 23 Dec 2015 21:10

Instrument :
 BNA_F
 ClientSampleId :
 UST-9RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.4	29.2
265	21.6	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

