

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084832.D
 Acq On : 4 Feb 2016 16:47
 Operator : SJ/IZ
 Sample : H1306-08 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-RL01

Quant Time: Feb 05 05:59:43 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

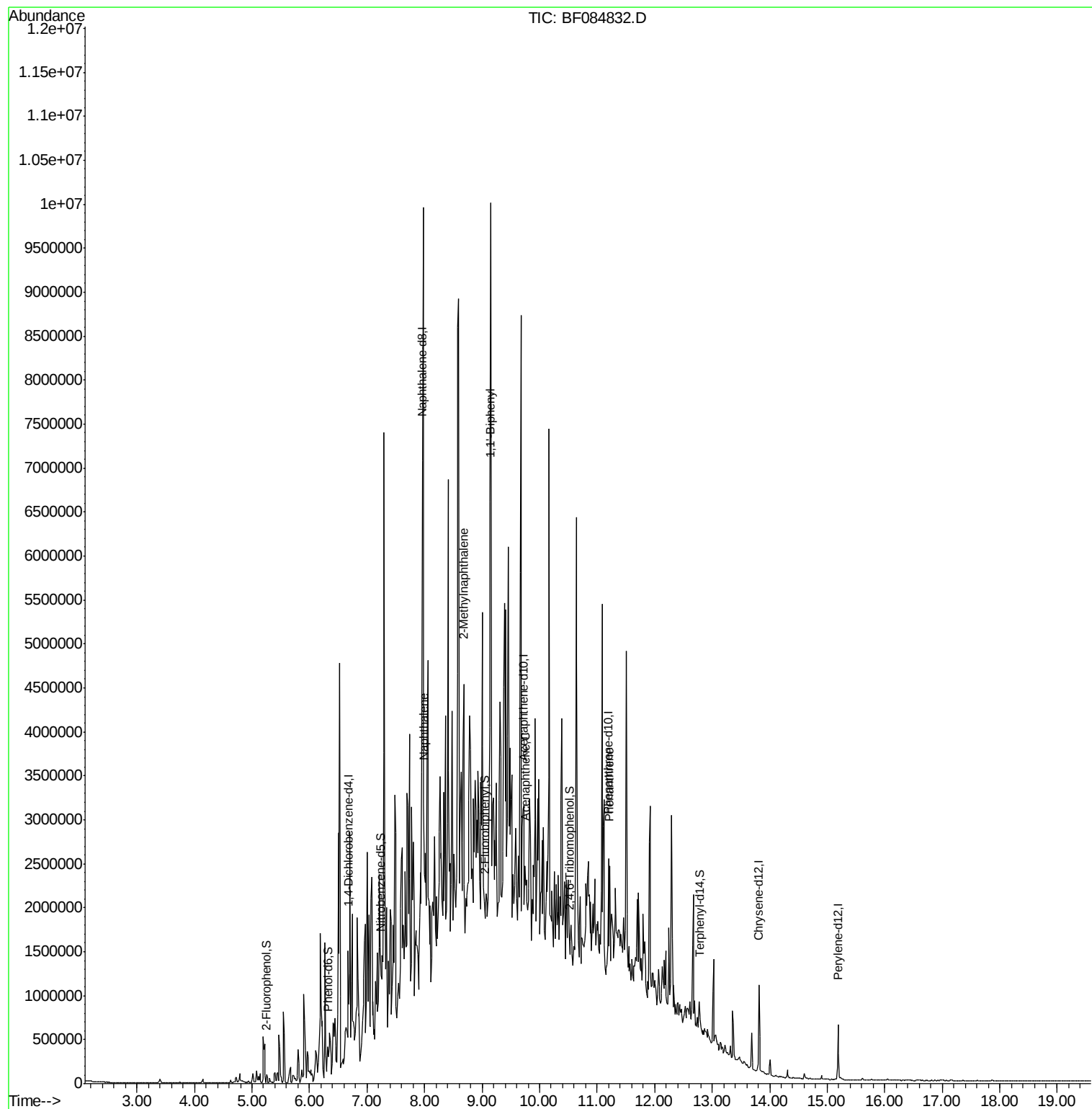
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	140785	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	430781	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	250167	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	472644	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	364219	20.00	ng	-0.02
86) Perylene-d12	15.19	264	289416	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	31245	3.46	ng	-0.02
7) Phenol-d6	6.33	99	22670	2.02	ng	-0.01
23) Nitrobenzene-d5	7.24	82	108064	14.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	15874	6.08	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	87119	3.47	ng	-0.01
78) Terphenyl-d14	12.77	244	79782	4.96	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.98	128	382999	17.72	ng	# 93
37) 2-Methylnaphthalene	8.68	142	832068	61.53	ng	96
45) 1,1'-Biphenyl	9.14	154	116748	5.22	ng	98
51) Acenaphthene	9.74	154	64033	3.94	ng	# 83
70) Phenanthrene	11.22	178	397154	15.15	ng	96

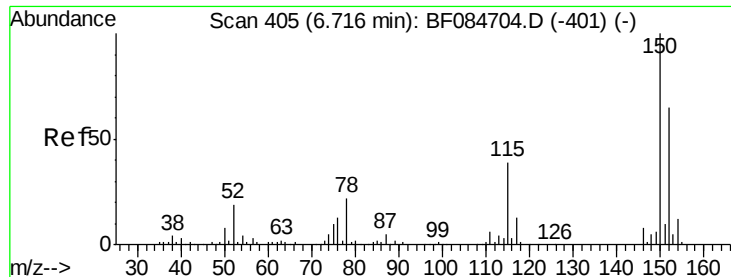
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA_F

ClientSampled :

BLFS-RL01

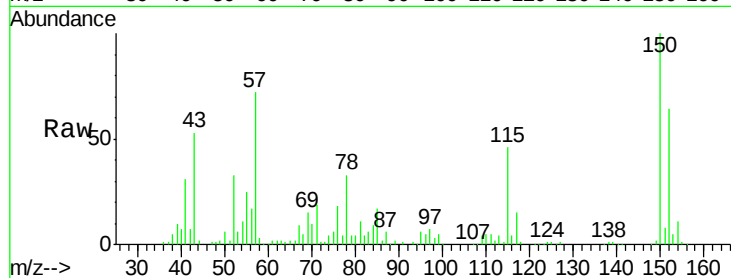
Tot Ion:152 Resp: 140785

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

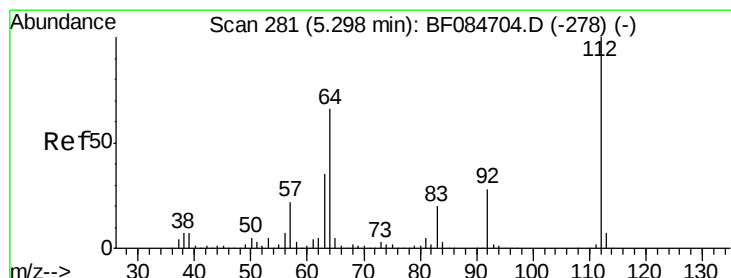
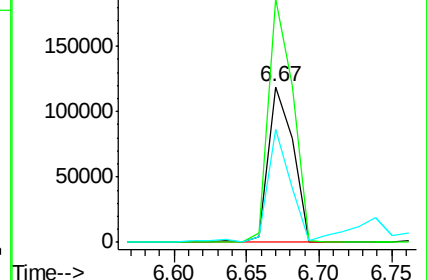
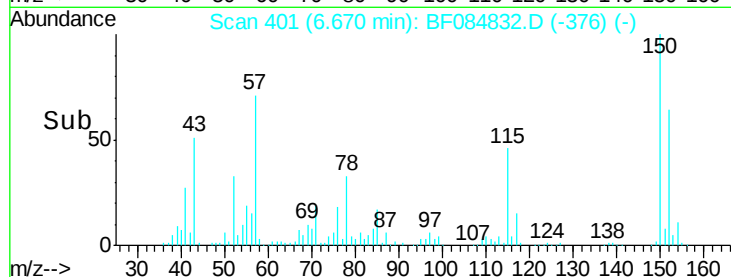
115 72.7 51.4 77.2



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: 3.46 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

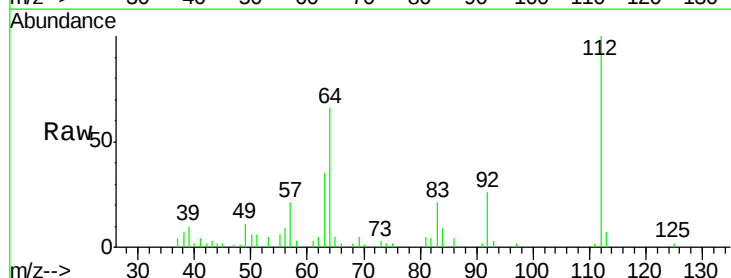
Tgt Ion:112 Resp: 31245

Ion Ratio Lower Upper

112 100

64 66.2 36.6 55.0#

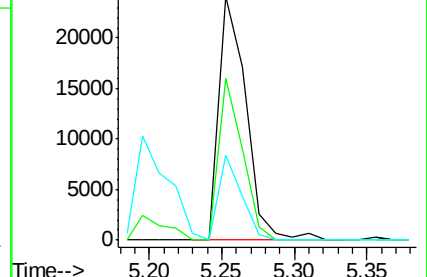
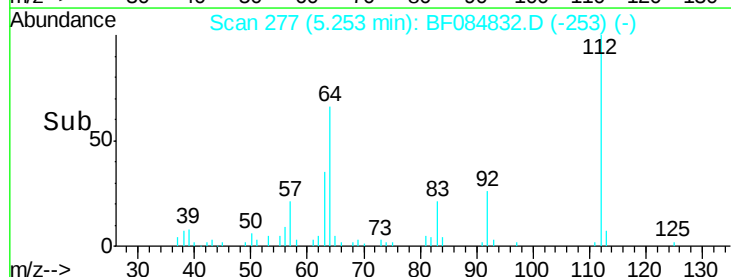
63 34.7 19.4 29.0#

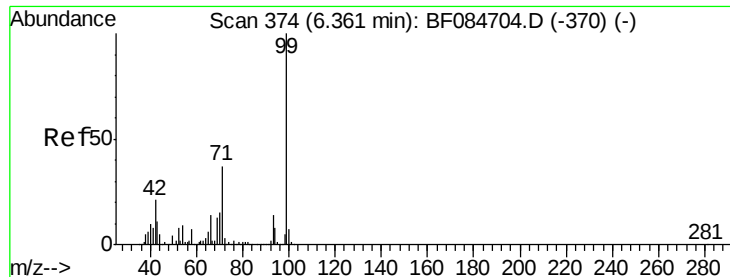


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.02 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

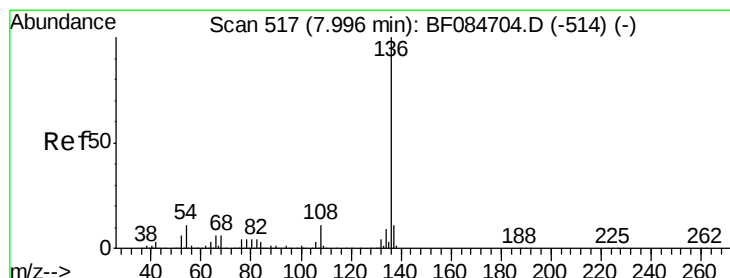
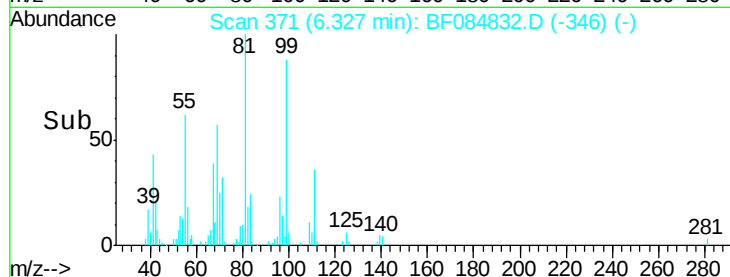
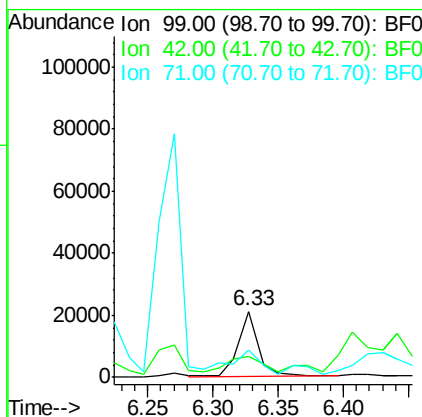
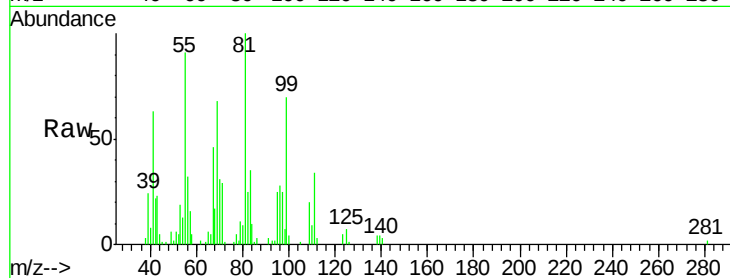
BNA_F

ClientSampled :

BLFS-RL01

Tot Ion: 99 Resp: 22670

Ion	Ratio	Lower	Upper
99	100		
42	31.6	12.8	19.2#
71	40.9	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

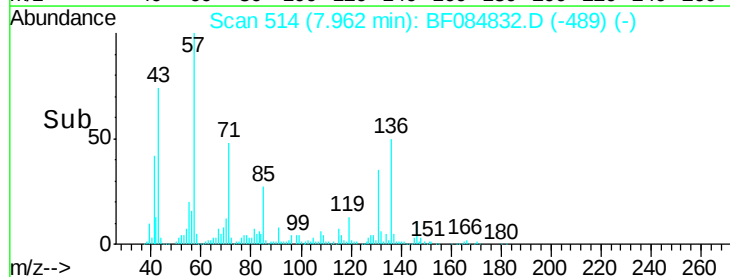
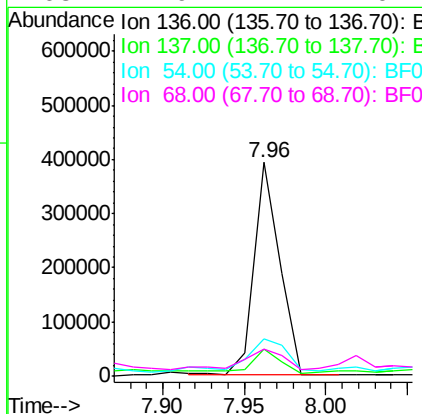
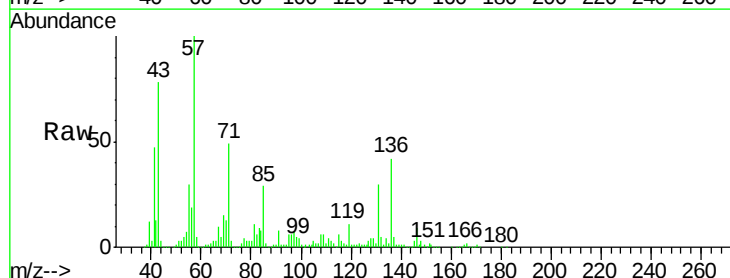
Delta R.T. -0.01 min

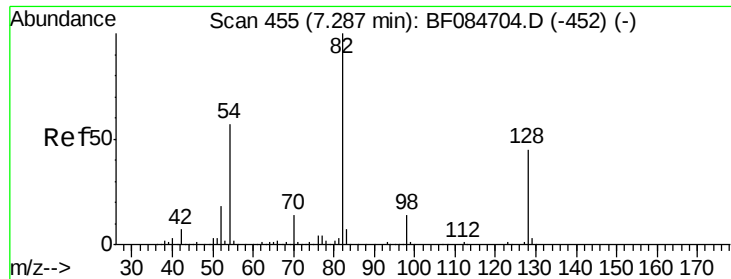
Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Tgt Ion: 136 Resp: 430781

Ion	Ratio	Lower	Upper
136	100		
137	12.9	8.7	13.1
54	17.7	5.8	8.8#
68	12.9	4.2	6.2#





#23

Nitrobenzene-d5

Concen: 14.13 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

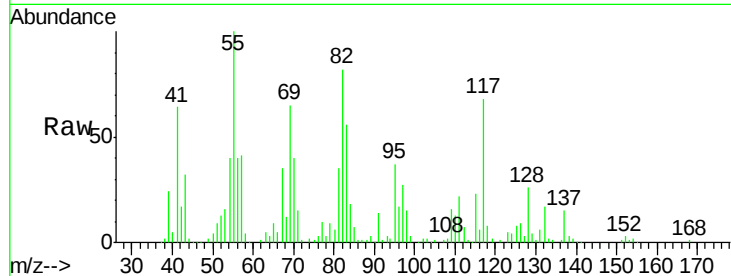
Tot Ion: 82 Resp: 108064

Ion Ratio Lower Upper

82 100

128 31.8 34.6 51.8#

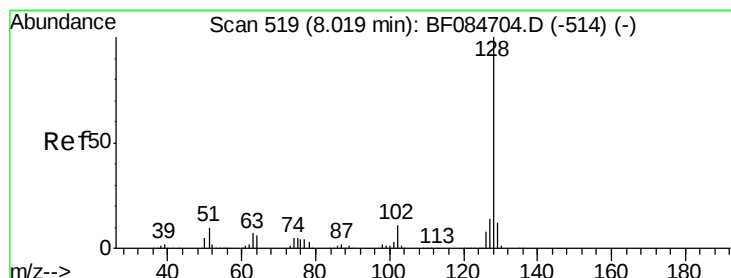
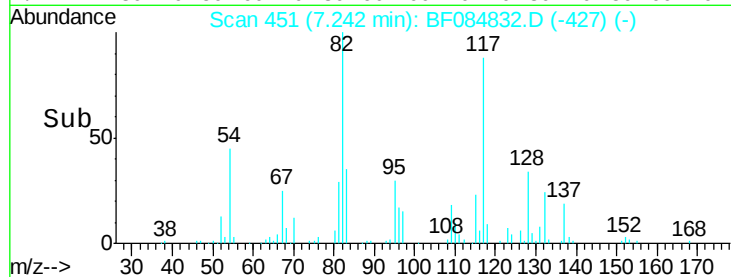
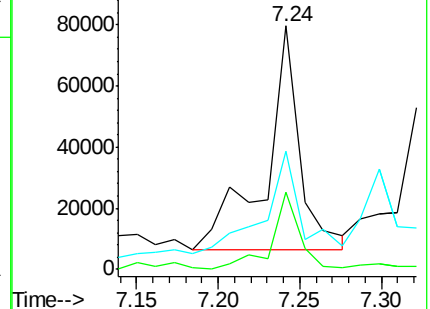
54 48.5 38.4 57.6



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: 17.72 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

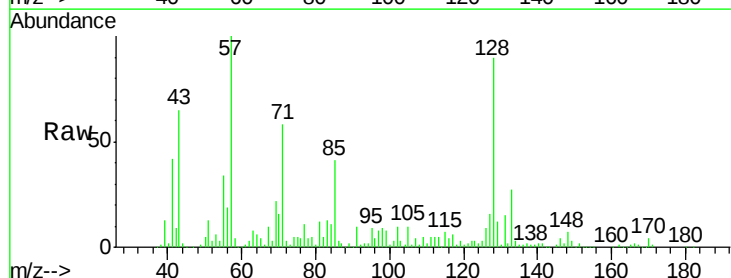
Tgt Ion:128 Resp: 382999

Ion Ratio Lower Upper

128 100

129 13.0 9.1 13.7

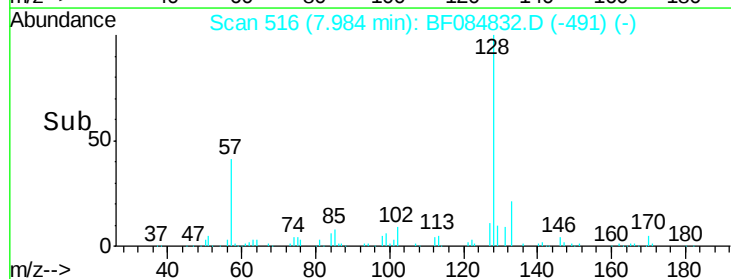
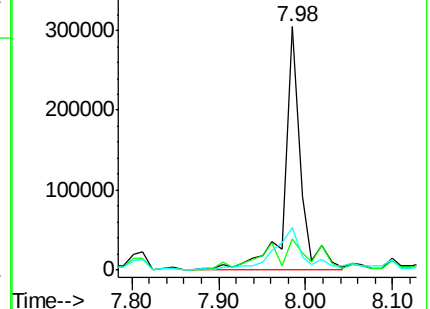
127 17.4 11.1 16.7#

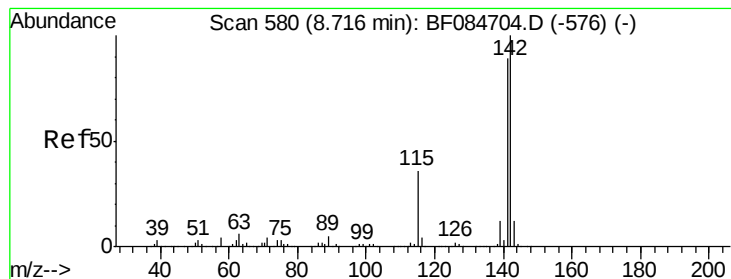


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

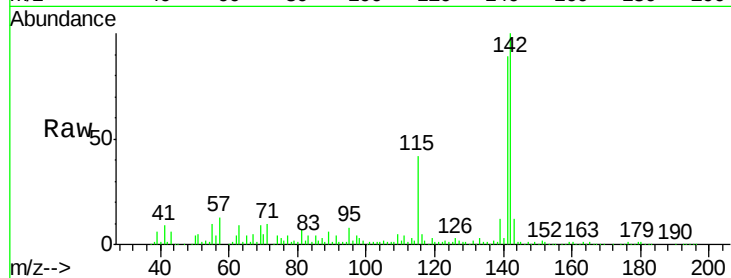




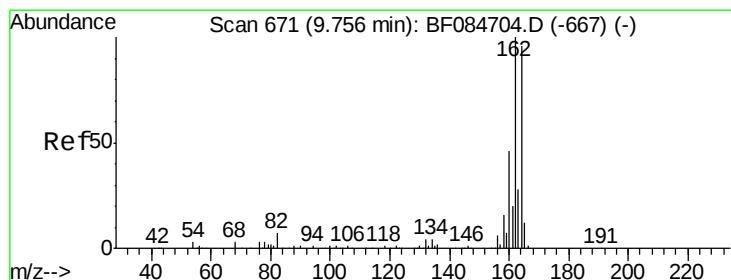
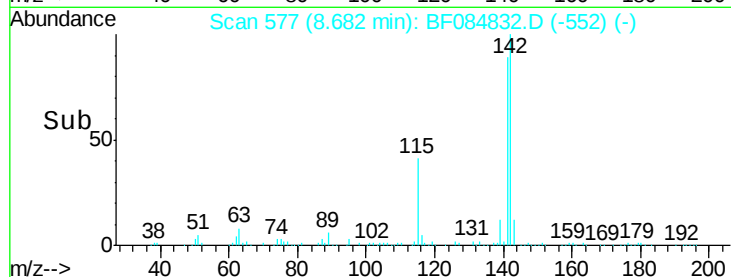
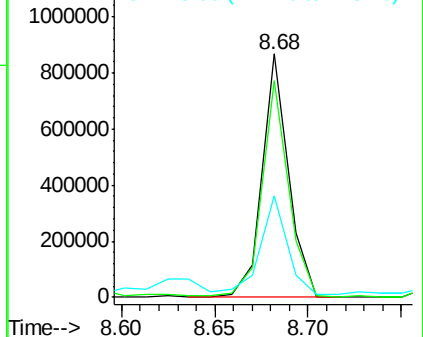
#37
2-Methylnaphthalene
Concen: 61.53 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF084832.D
Acq: 4 Feb 2016 16:47

Instrument :
BNA_F
ClientSampleId :
BLFS-RL01

Tot Ion:142 Resp: 832068
Ion Ratio Lower Upper
142 100
141 89.0 72.4 108.6
115 41.8 27.9 41.9

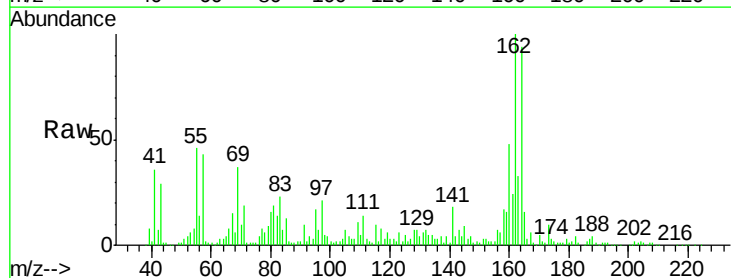


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

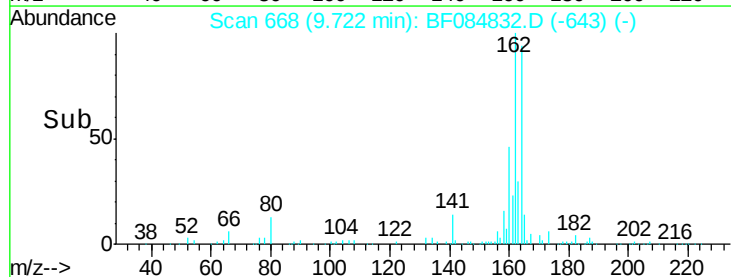
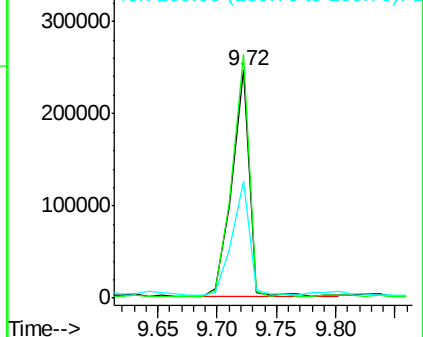


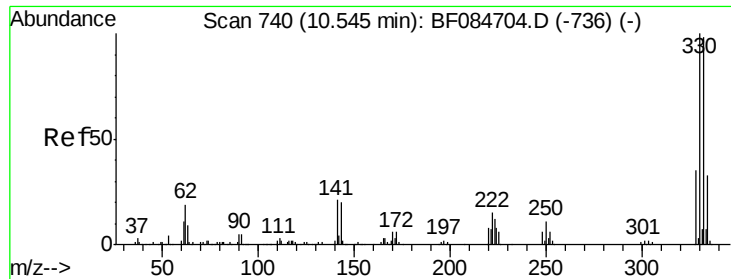
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084832.D
Acq: 4 Feb 2016 16:47

Tgt Ion:164 Resp: 250167
Ion Ratio Lower Upper
164 100
162 106.9 85.1 127.7
160 51.3 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

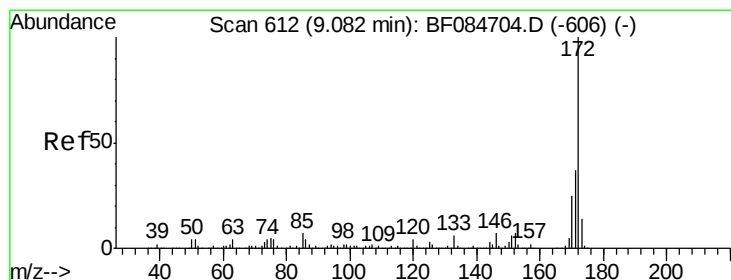
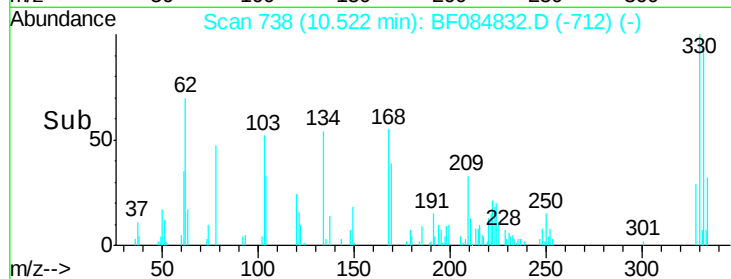
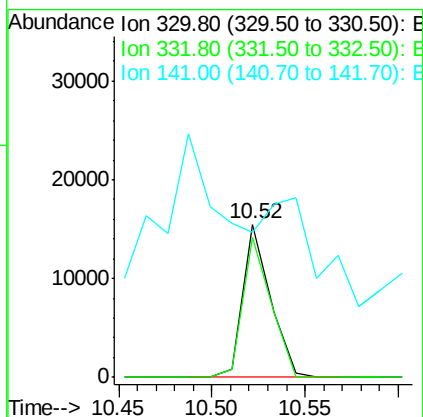
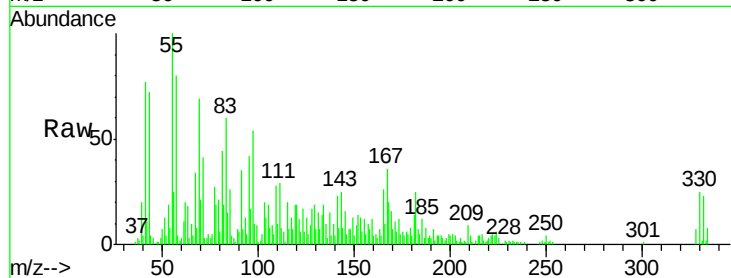




#41
 2,4,6-Tribromophenol
 Concen: 6.08 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF084832.D
 Acq: 4 Feb 2016 16:47

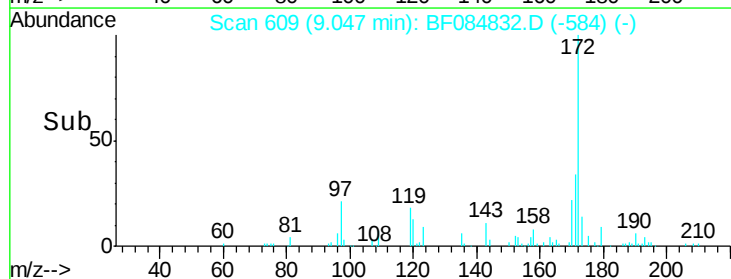
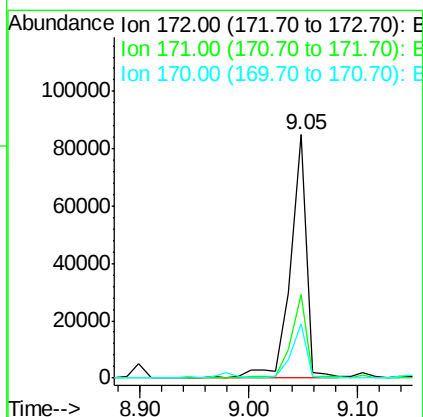
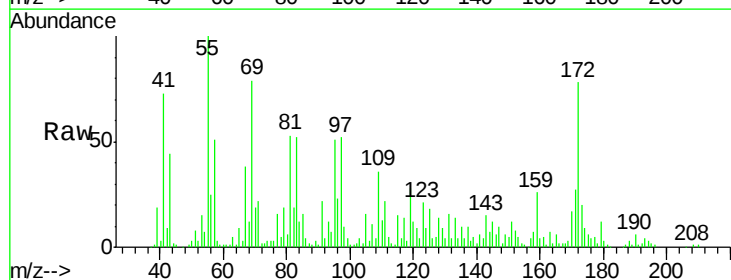
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-RL01

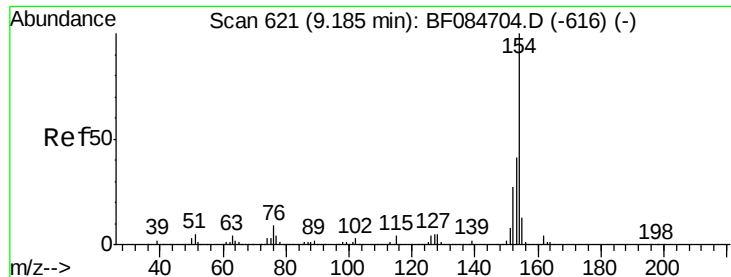
Tot Ion:330 Resp: 15874
 Ion Ratio Lower Upper
 330 100
 332 92.9 76.6 114.8
 141 0.0 27.8 41.6#



#44
 2-Fluorobiphenyl
 Concen: 3.47 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF084832.D
 Acq: 4 Feb 2016 16:47

Tgt Ion:172 Resp: 87119
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.9 43.3
 170 22.4 18.6 27.8

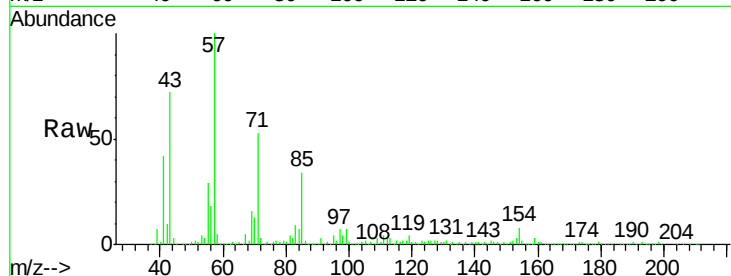




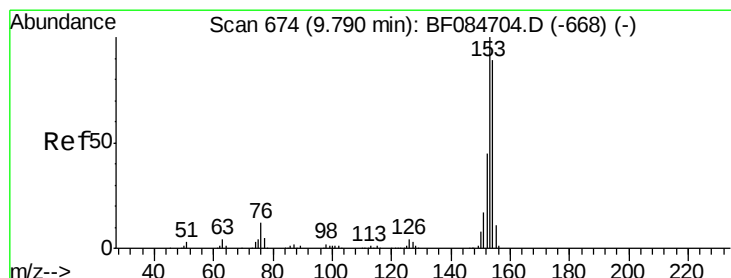
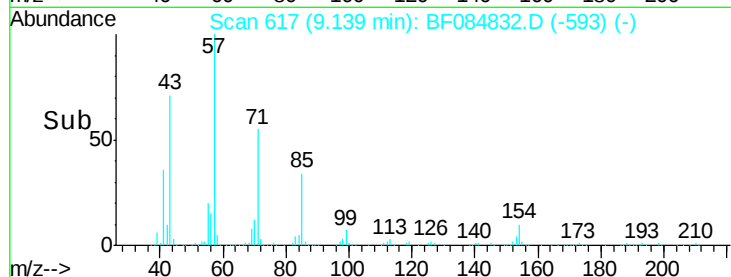
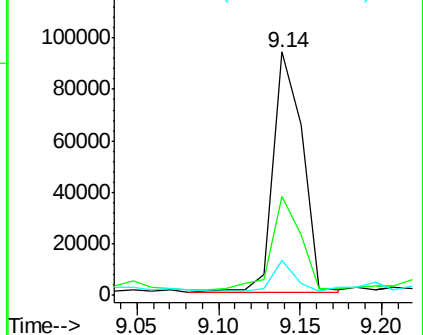
#45
1,1'-Biphenyl
Concen: 5.22 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.02 min
Lab File: BF084832.D
Acq: 4 Feb 2016 16:47

Instrument :
BNA_F
ClientSampled :
BLFS-RL01

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.6	61.6
76	14.2	0.0	32.7

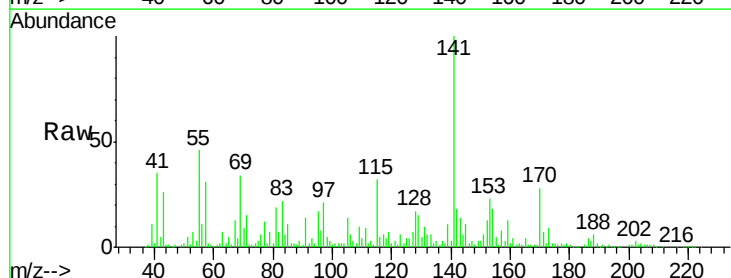


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

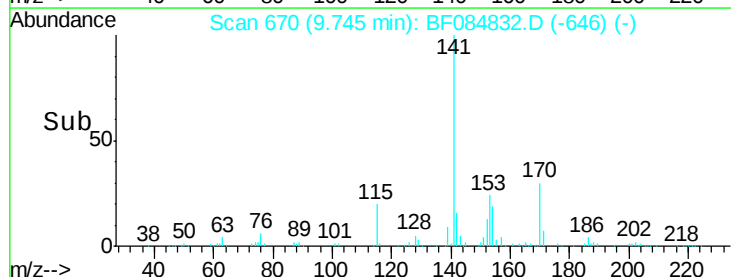
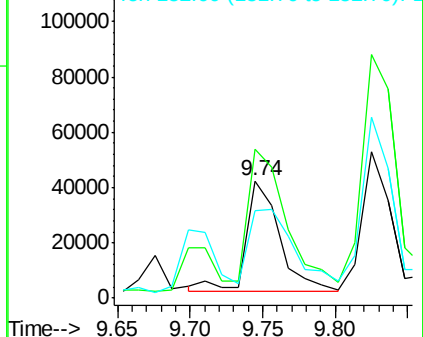


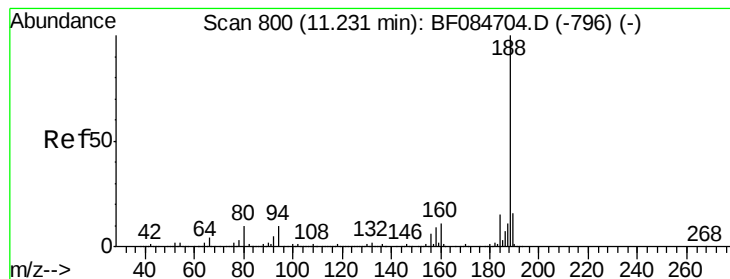
#51
Acenaphthene
Concen: 3.94 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084832.D
Acq: 4 Feb 2016 16:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	127.4	91.5	137.3
152	74.4	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: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

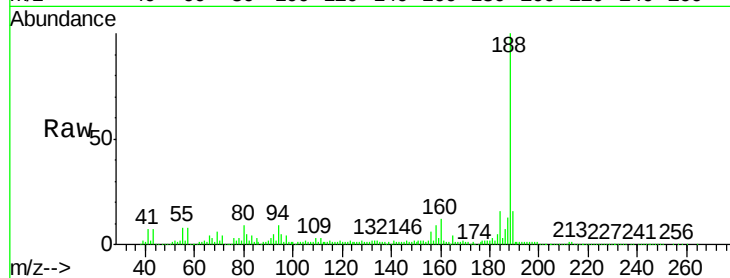
Tot Ion:188 Resp: 472644

Ion Ratio Lower Upper

188 100

94 8.6 9.0 13.4#

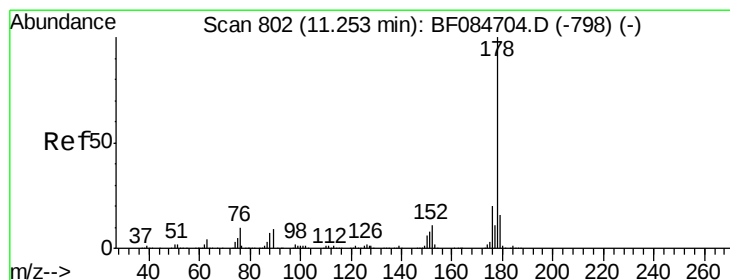
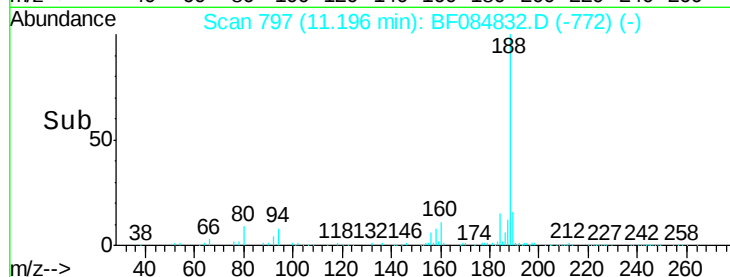
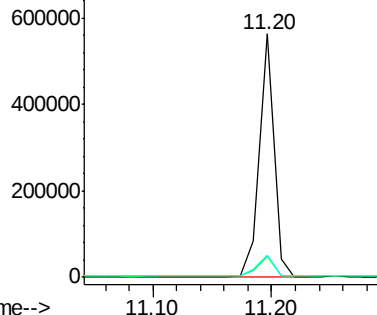
80 9.4 9.6 14.4#



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: 15.15 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

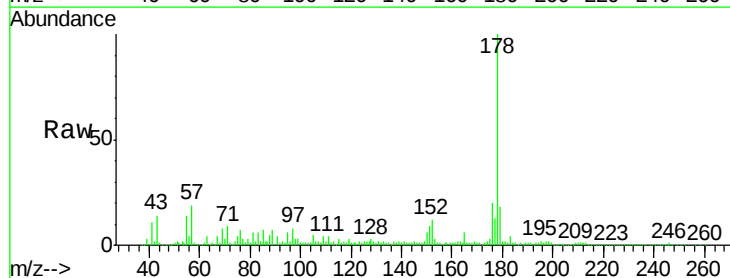
Tgt Ion:178 Resp: 397154

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

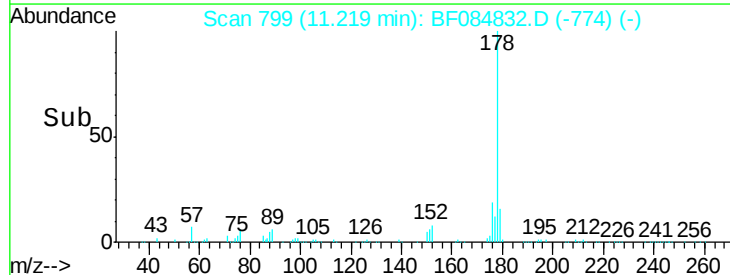
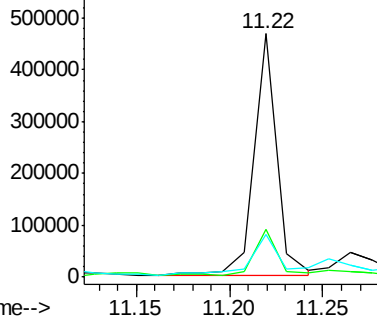
179 17.5 12.0 18.0

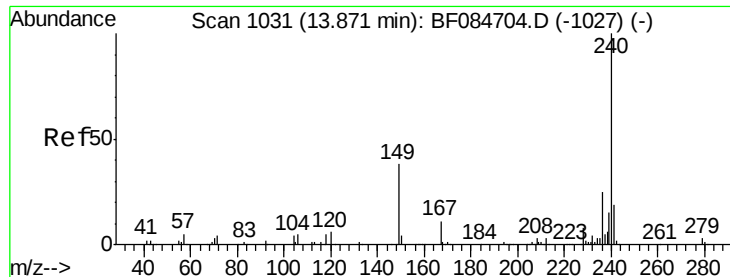


Abundance Ion 178.00 (177.70 to 178.70): E

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: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

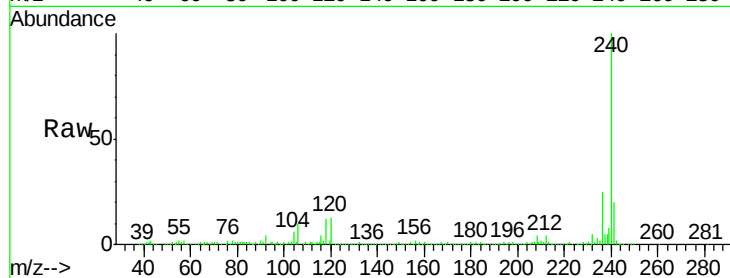
Tot Ion:240 Resp: 364219

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

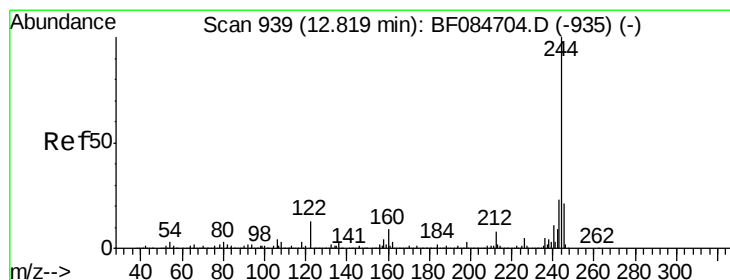
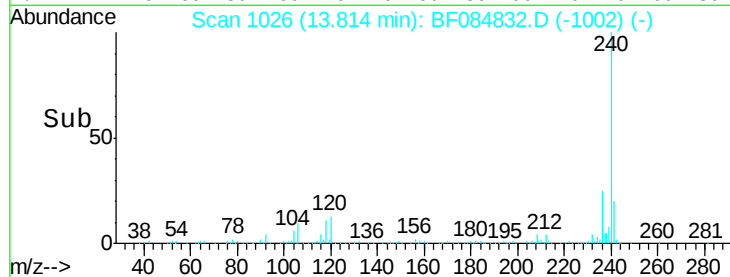
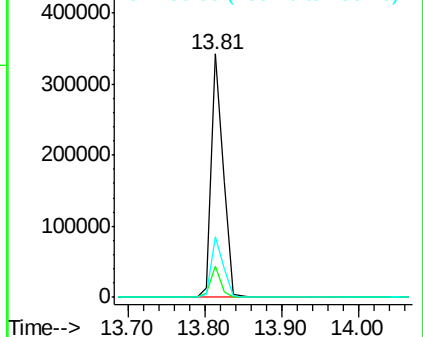
236 25.0 20.6 31.0



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: 4.96 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

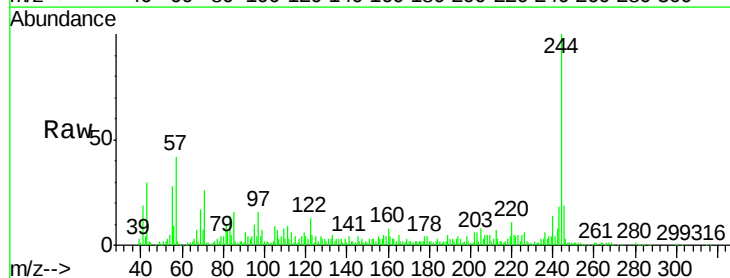
Tgt Ion:244 Resp: 79782

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

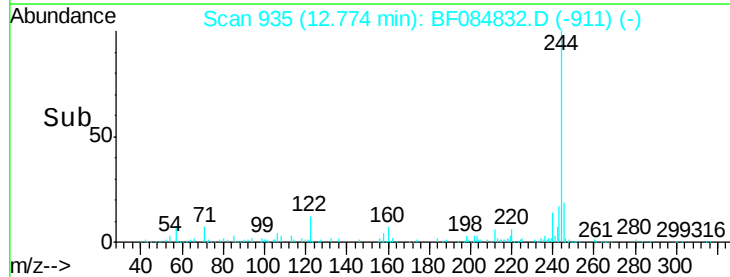
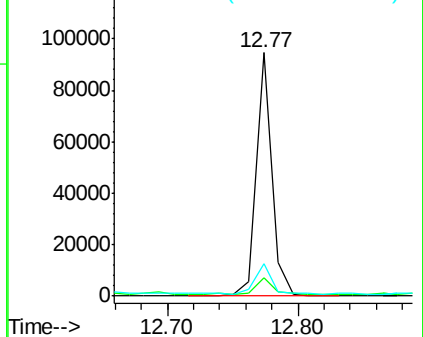
122 13.1 7.4 11.0#

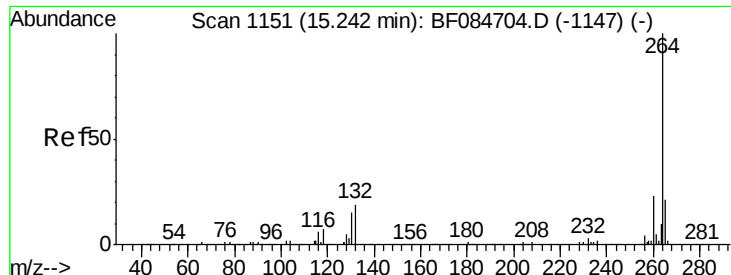


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

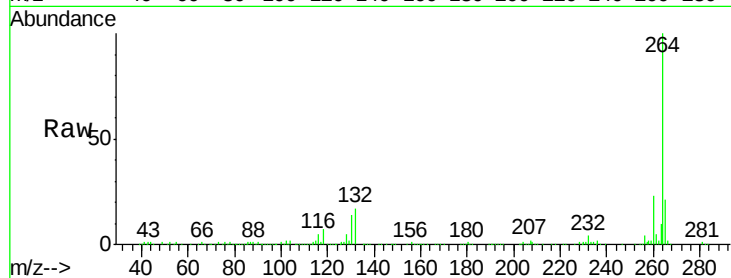




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.19 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF084832.D
 Acq: 4 Feb 2016 16:47

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-RL01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.3	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

