

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084807.D
 Acq On : 4 Feb 2016 1:48
 Operator : SJ/IZ
 Sample : H1312-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B037(15-17)

Quant Time: Feb 04 04:50:03 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

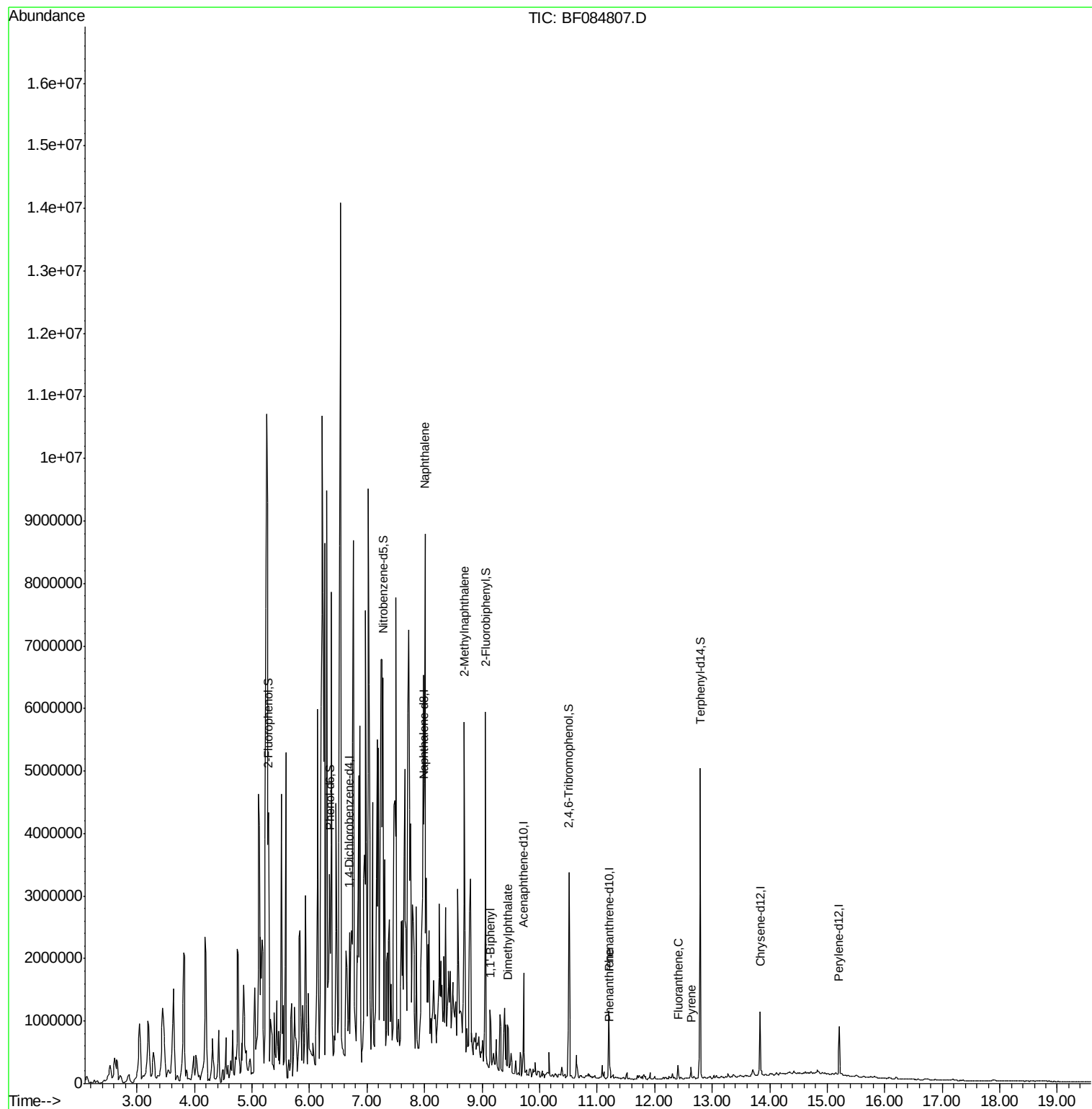
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	162408	20.00	ng	0.01
21) Naphthalene-d8	7.98	136	581667	20.00	ng	0.01
38) Acenaphthene-d10	9.72	164	317788	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	592754	20.00	ng	0.00
75) Chrysene-d12	13.84	240	488169	20.00	ng	0.00
86) Perylene-d12	15.21	264	347855	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1279706	122.73	ng	0.01
7) Phenol-d6	6.35	99	1834108	141.89	ng	0.01
23) Nitrobenzene-d5	7.28	82	1141450	110.55	ng	0.01
41) 2,4,6-Tribromophenol	10.51	330	435656	131.43	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1868027	109.58	ng	0.00
78) Terphenyl-d14	12.80	244	1856296	86.17	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.01	128	3178334	108.93	ng	# 94
37) 2-Methylnaphthalene	8.69	142	1961435	107.41	ng	96
45) 1,1'-Biphenyl	9.15	154	62398	2.20	ng	97
49) Dimethylphthalate	9.45	163	352428	14.56	ng	# 89
70) Phenanthrene	11.22	178	87560	2.66	ng	98
74) Fluoranthene	12.41	202	82905	2.49	ng	96
77) Pyrene	12.64	202	85903	2.30	ng	97

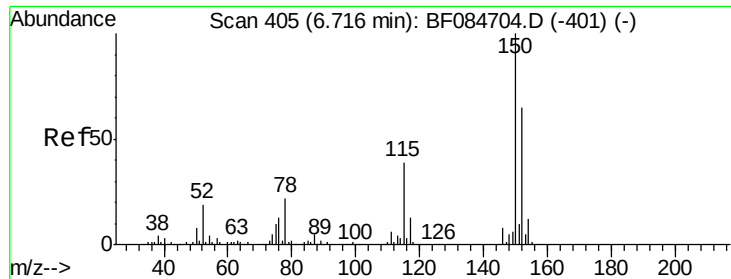
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.01 min

Lab File: BF084807.D

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BNA_F

ClientSampleId :

SUP-B037(15-17)

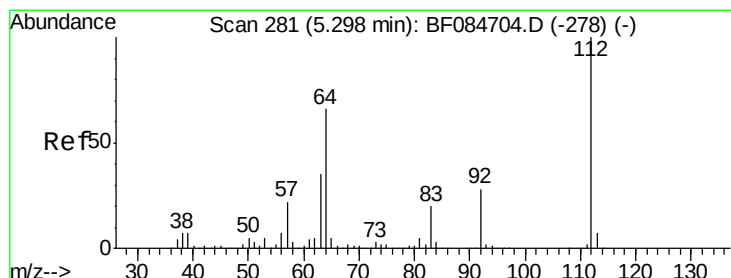
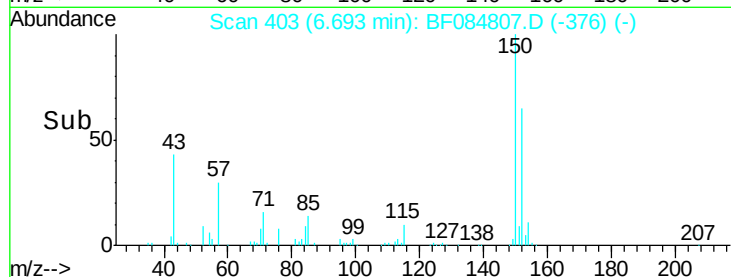
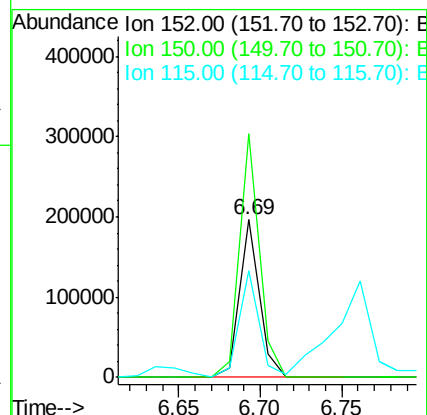
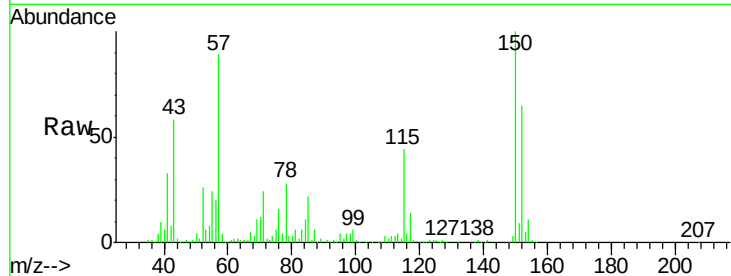
Tot Ion:152 Resp: 162408

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

115 67.8 51.4 77.2



#5

2-Fluorophenol

Concen: 122.73 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

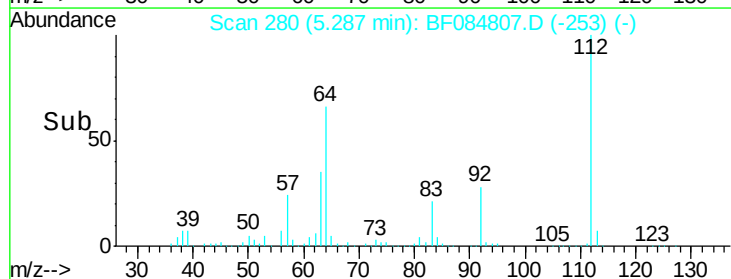
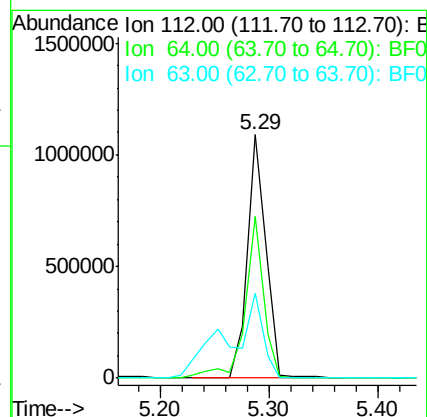
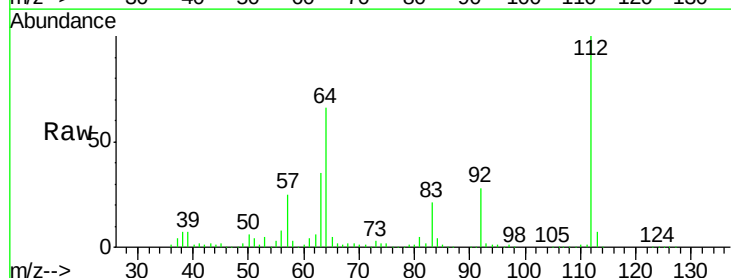
Tgt Ion:112 Resp: 1279706

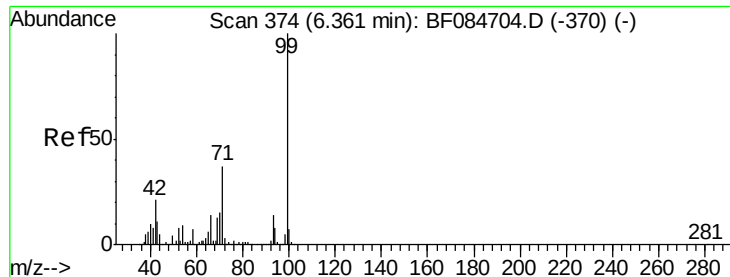
Ion Ratio Lower Upper

112 100

64 66.2 36.6 55.0#

63 35.1 19.4 29.0#





#7

Phenol-d6

Concen: 141.89 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

Instrument :

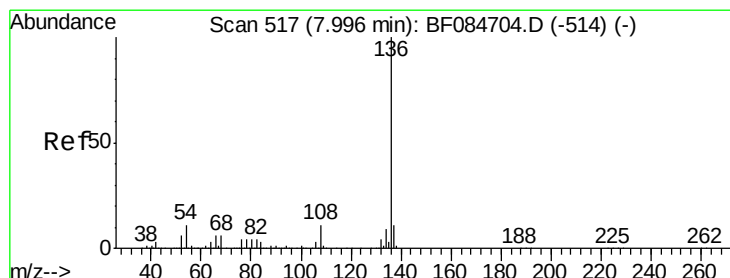
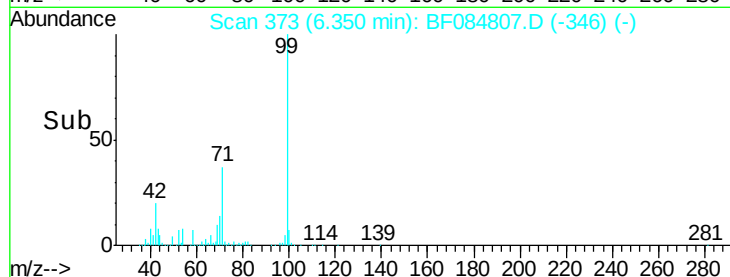
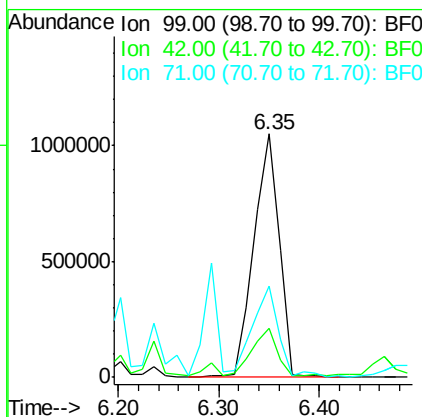
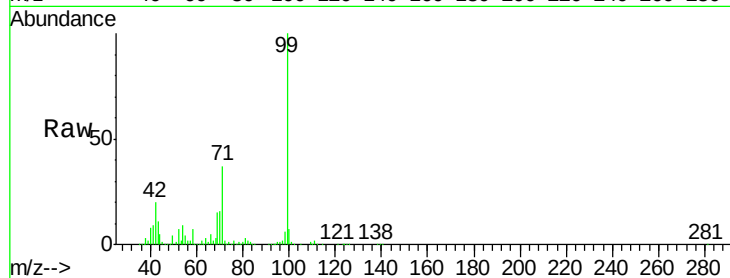
BNA_F

ClientSampleId :

SUP-B037(15-17)

Tot Ion: 99 Resp: 1834108

Ion	Ratio	Lower	Upper
99	100		
42	20.4	12.8	19.2#
71	37.3	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

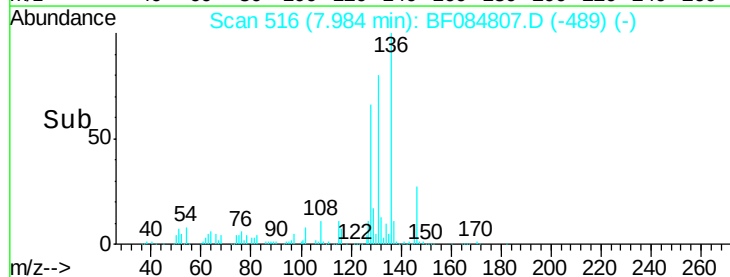
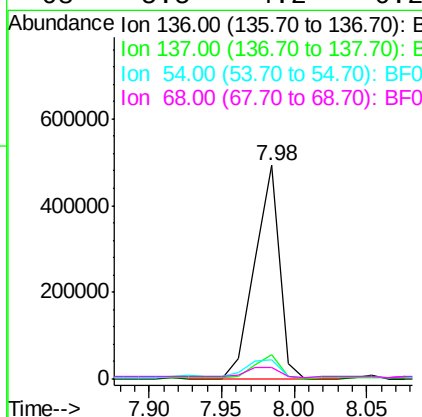
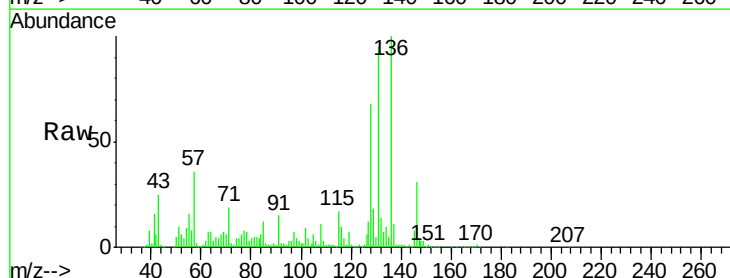
Delta R.T. 0.01 min

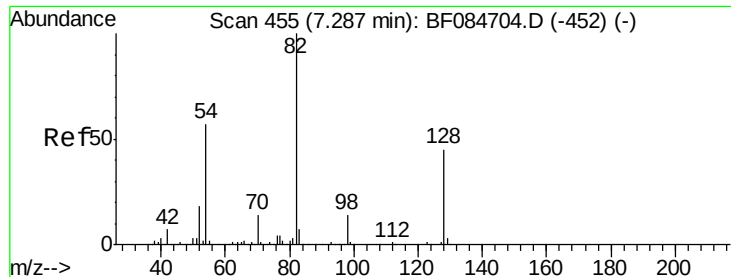
Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

Tgt Ion: 136 Resp: 581667

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	8.9	5.8	8.8#
68	5.5	4.2	6.2

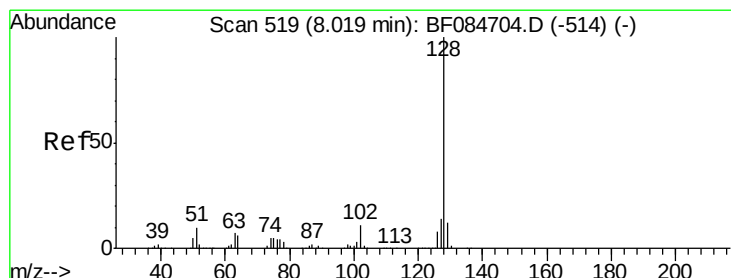
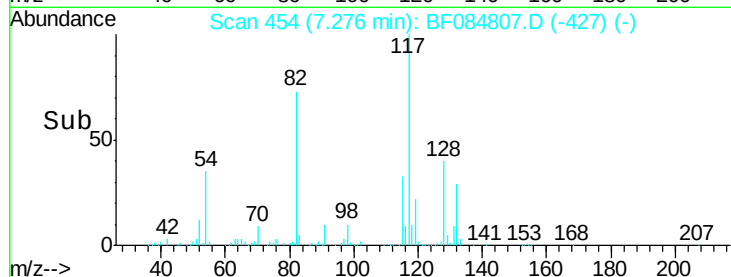
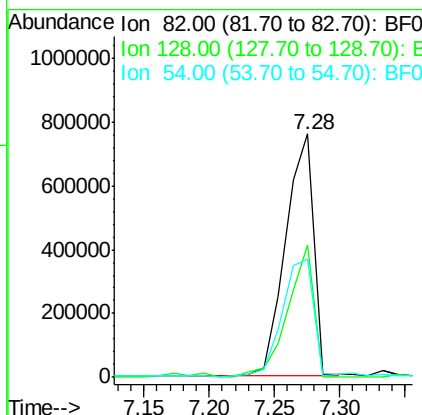
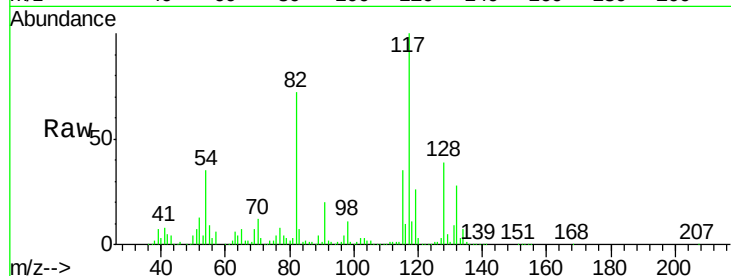




#23
 Nitrobenzene-d5
 Concen: 110.55 ng
 RT: 7.28 min Scan# 454
 Delta R.T. 0.01 min
 Lab File: BF084807.D
 Acq: 4 Feb 2016 1:48

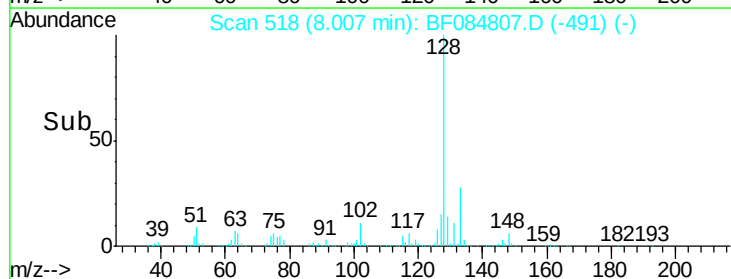
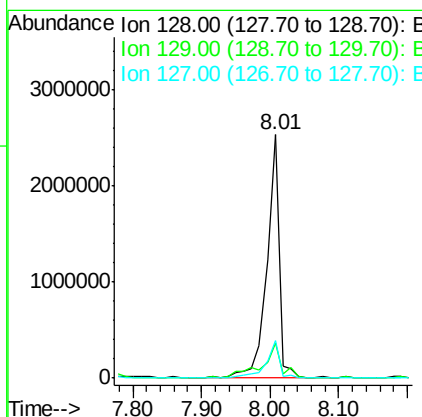
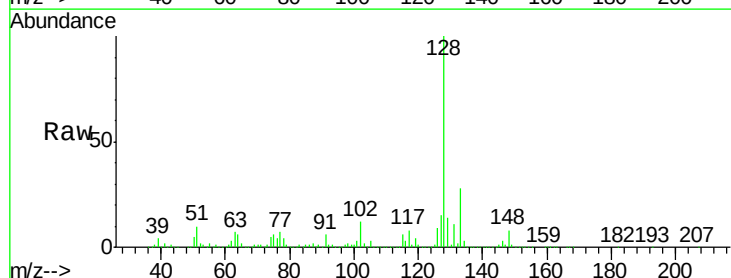
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B037(15-17)

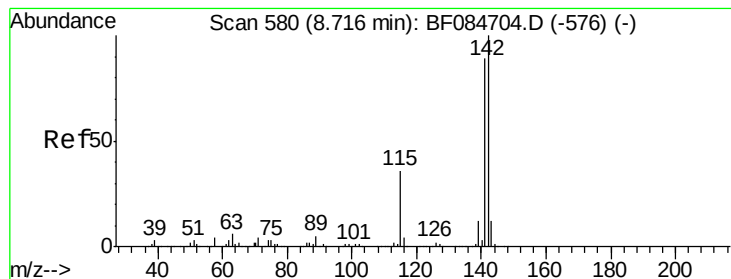
Tot Ion: 82 Resp: 1141450
 Ion Ratio Lower Upper
 82 100
 128 54.2 34.6 51.8#
 54 48.5 38.4 57.6



#31
 Naphthalene
 Concen: 108.93 ng
 RT: 8.01 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: BF084807.D
 Acq: 4 Feb 2016 1:48

Tgt Ion: 128 Resp: 3178334
 Ion Ratio Lower Upper
 128 100
 129 14.4 9.1 13.7#
 127 15.4 11.1 16.7

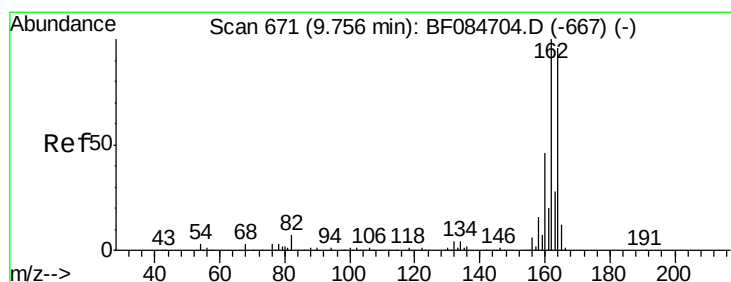
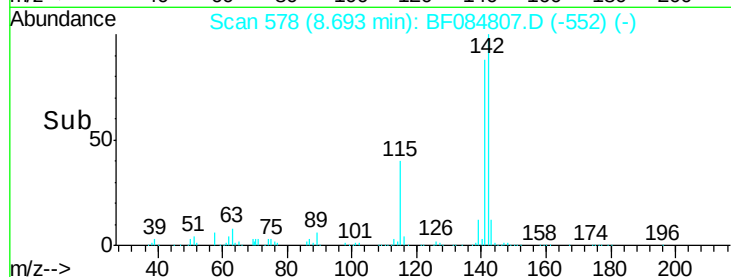
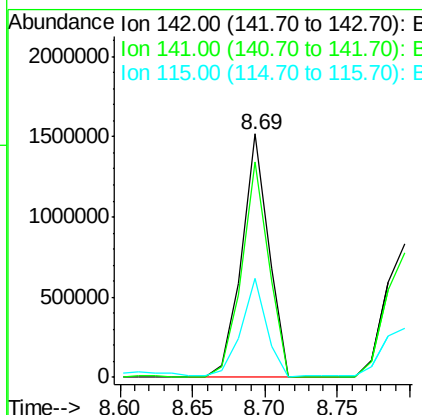
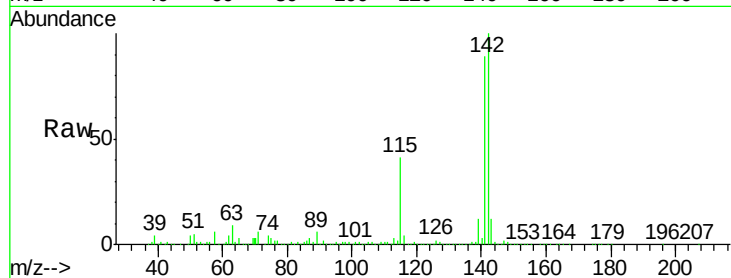




#37
2-Methylnaphthalene
Concen: 107.41 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF084807.D
Acq: 4 Feb 2016 1:48

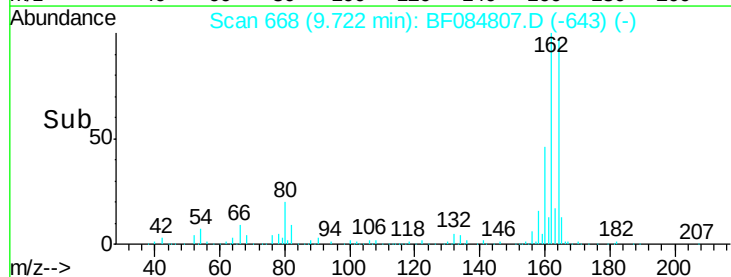
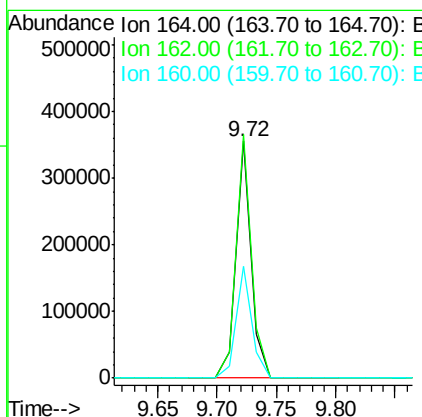
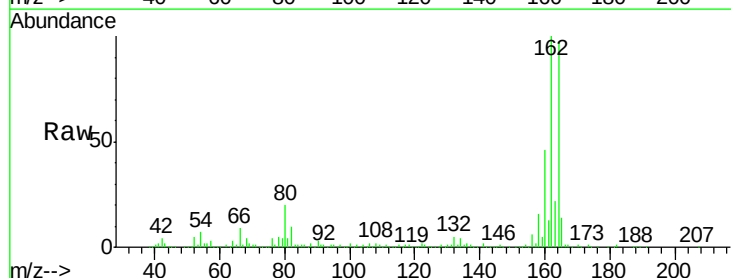
Instrument :
BNA_F
ClientSampleId :
SUP-B037(15-17)

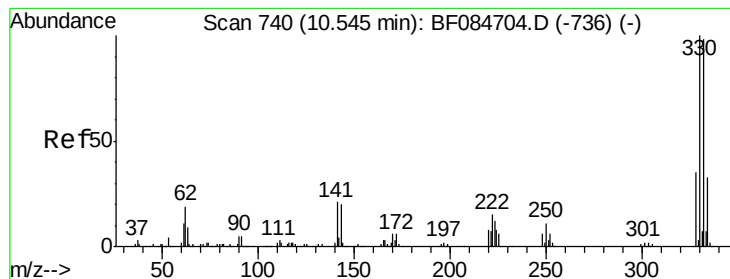
Tot Ion:142 Resp: 1961435
Ion Ratio Lower Upper
142 100
141 88.6 72.4 108.6
115 40.6 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084807.D
Acq: 4 Feb 2016 1:48

Tgt Ion:164 Resp: 317788
Ion Ratio Lower Upper
164 100
162 102.9 85.1 127.7
160 47.5 37.5 56.3





#41

2,4,6-Tribromophenol

Concen: 131.43 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

Instrument :

BNA_F

ClientSampleId :

SUP-B037(15-17)

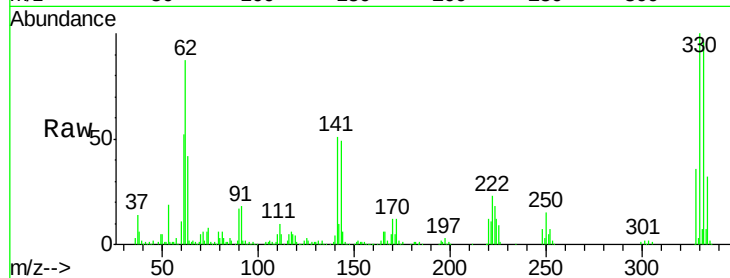
Tot Ion:330 Resp: 435656

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

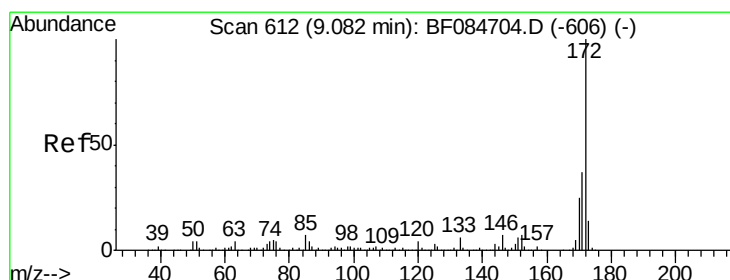
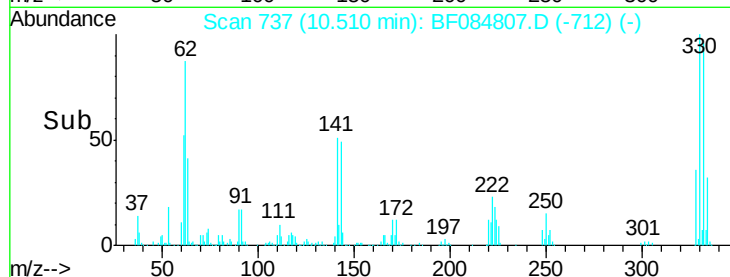
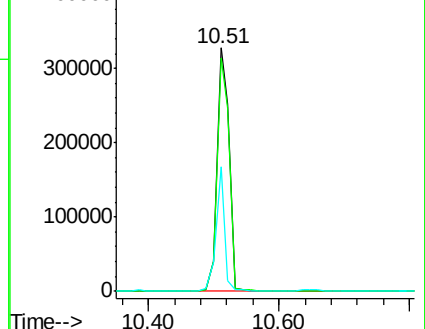
141 36.5 27.8 41.6



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: 109.58 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.00 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

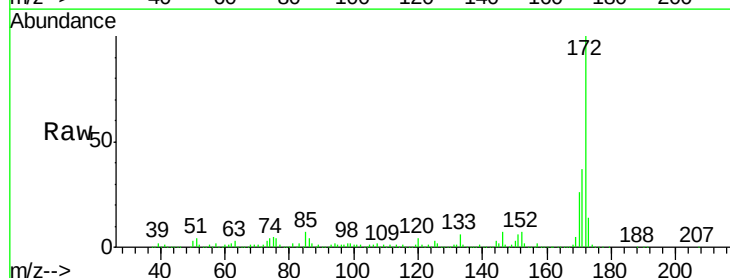
Tgt Ion:172 Resp: 1868027

Ion Ratio Lower Upper

172 100

171 37.4 28.9 43.3

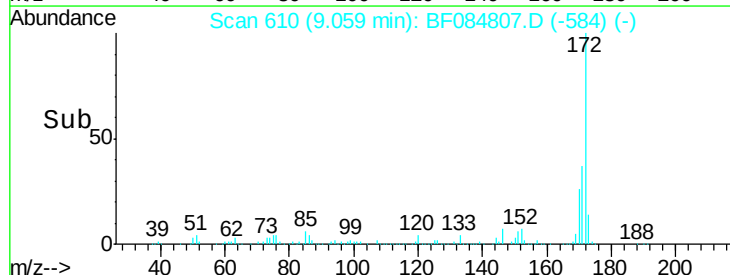
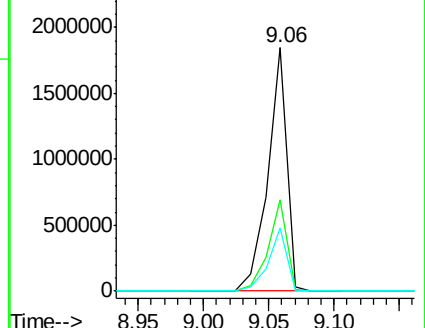
170 25.8 18.6 27.8

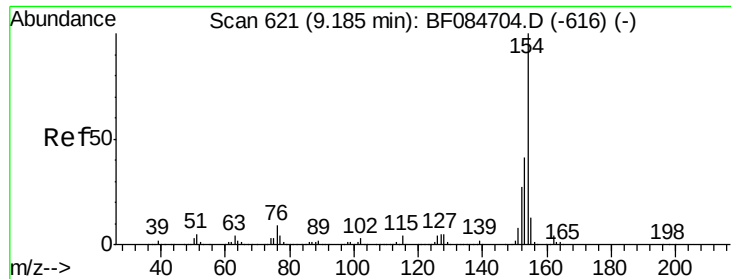


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.20 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

Instrument :

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ClientSampleId :

SUP-B037(15-17)

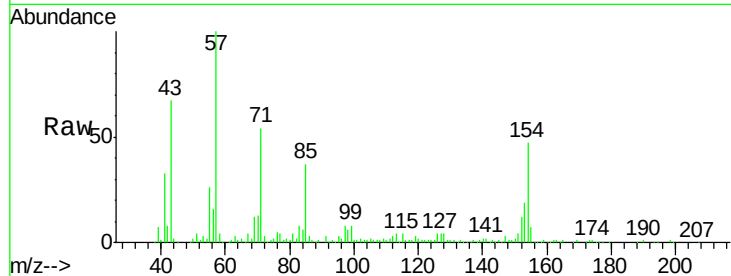
Tot Ion:154 Resp: 62398

Ion Ratio Lower Upper

154 100

153 39.9 21.6 61.6

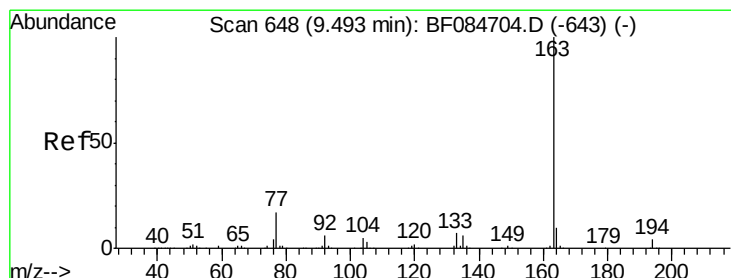
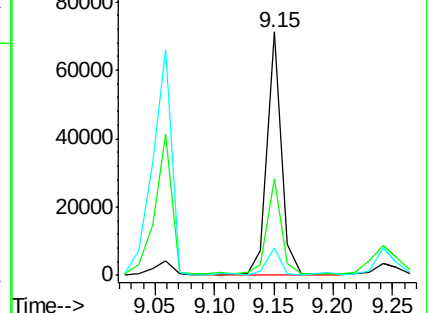
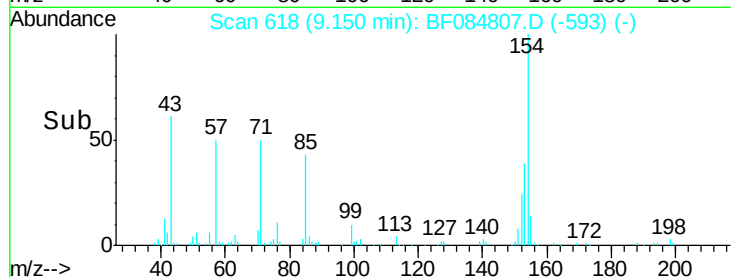
76 11.3 0.0 32.7



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): BFO



#49

Dimethylphthalate

Concen: 14.56 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

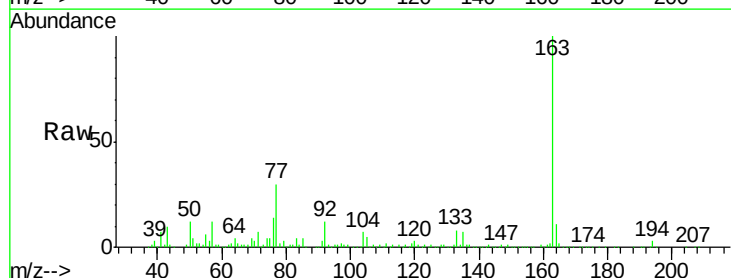
Tgt Ion:163 Resp: 352428

Ion Ratio Lower Upper

163 100

194 3.0 8.0 12.0#

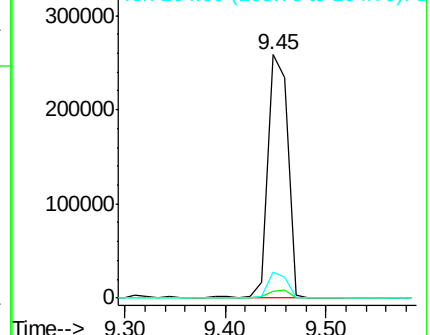
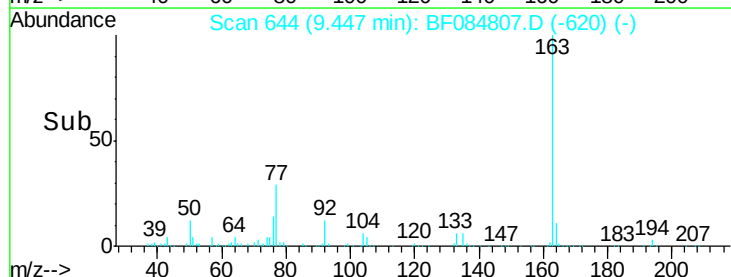
164 10.9 8.0 12.0

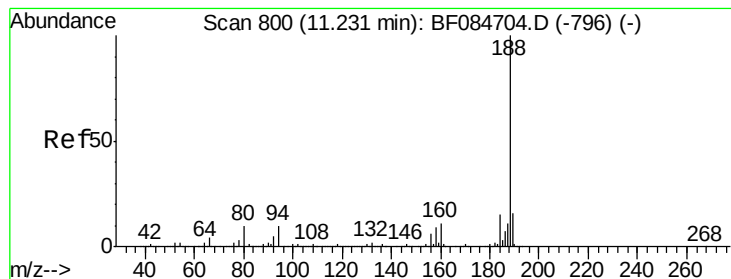


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

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SUP-B037(15-17)

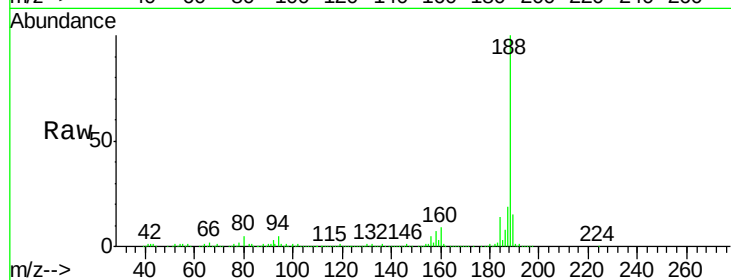
Tot Ion:188 Resp: 592754

Ion Ratio Lower Upper

188 100

94 5.0 9.0 13.4#

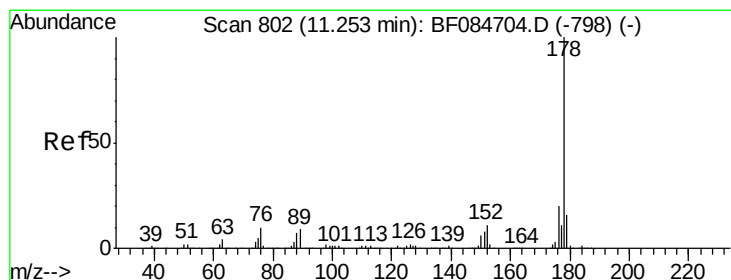
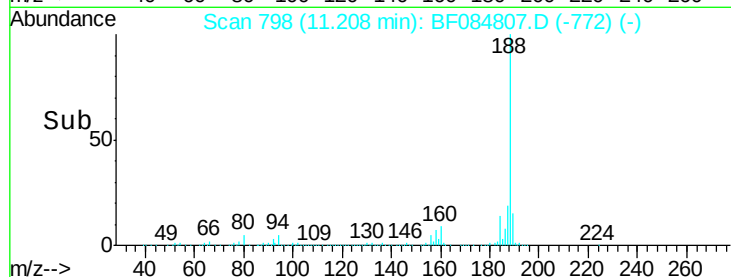
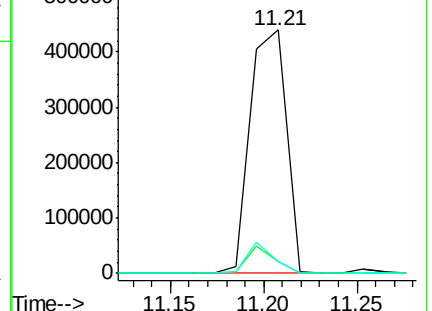
80 4.9 9.6 14.4#



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: 2.66 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

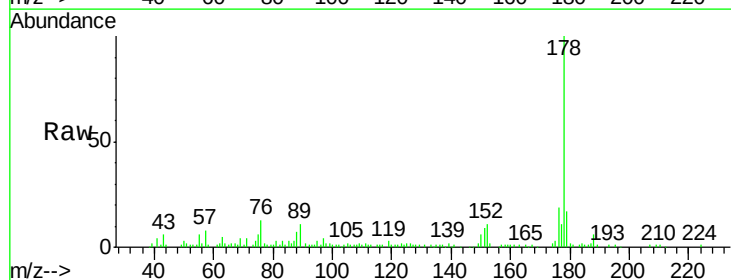
Tgt Ion:178 Resp: 87560

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

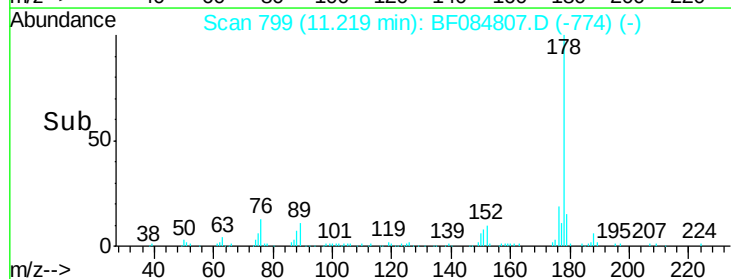
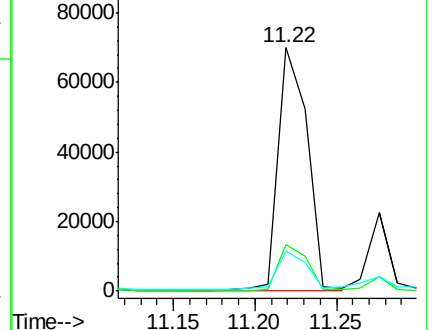
179 16.6 12.0 18.0

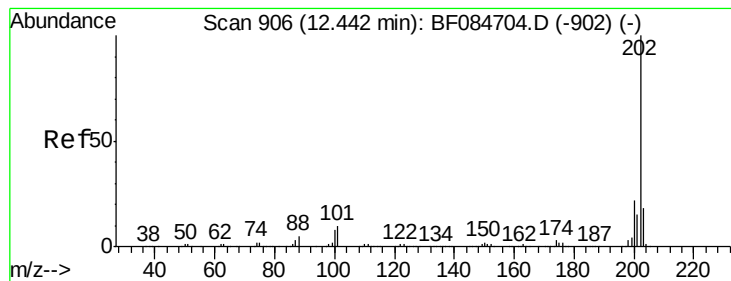


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.49 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

Instrument :

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ClientSampleId :

SUP-B037(15-17)

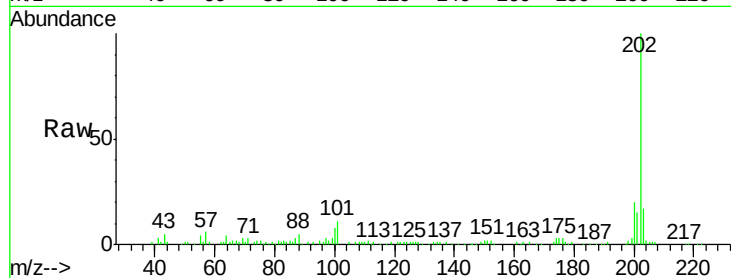
Tot Ion:202 Resp: 82905

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.8

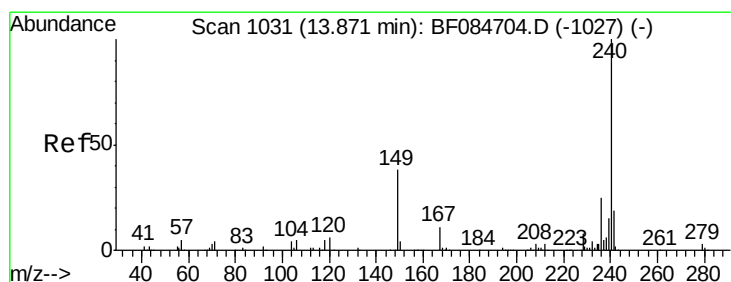
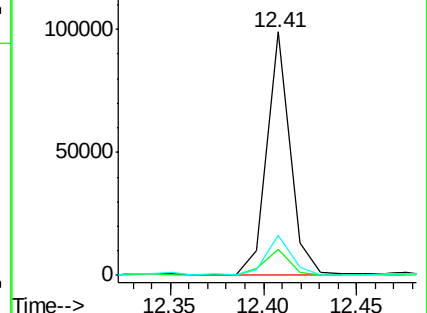
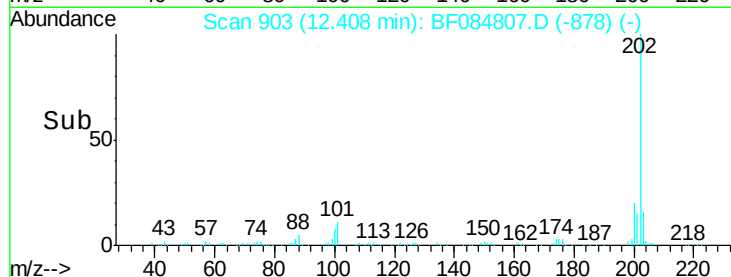
203 16.7 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

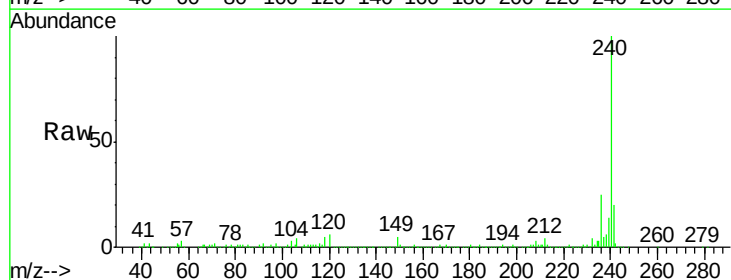
Tgt Ion:240 Resp: 488169

Ion Ratio Lower Upper

240 100

120 6.4 9.5 14.3#

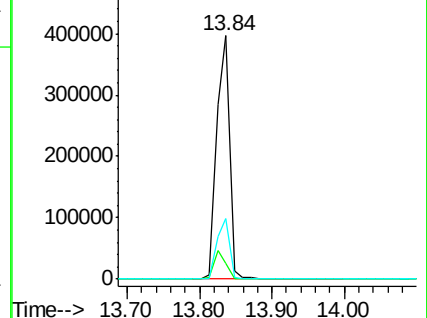
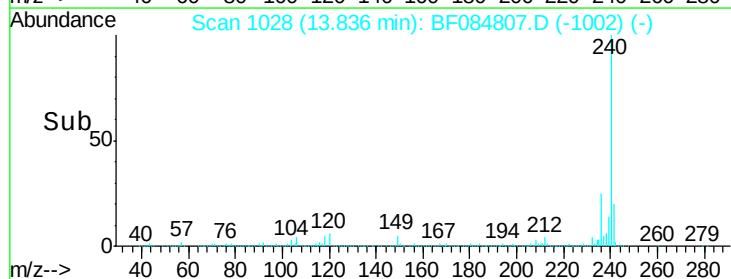
236 25.1 20.6 31.0

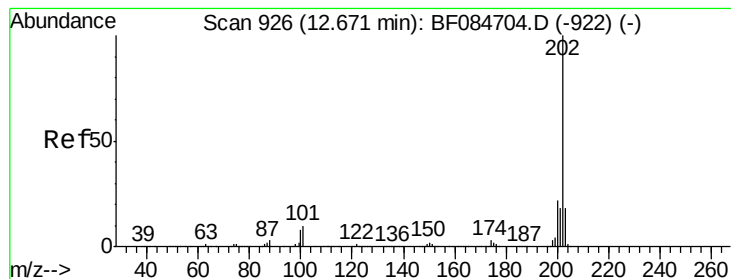


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.30 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

Instrument :

BNA_F

ClientSampleId :

SUP-B037(15-17)

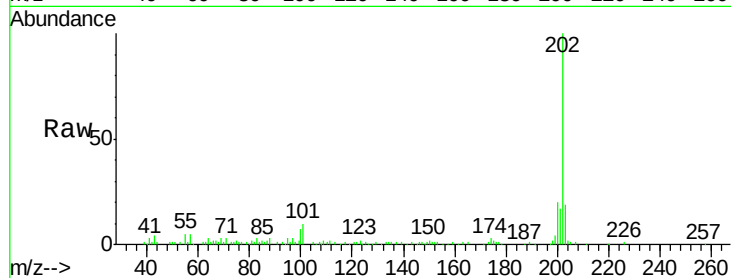
Tot Ion:202 Resp: 85903

Ion Ratio Lower Upper

202 100

200 19.8 17.2 25.8

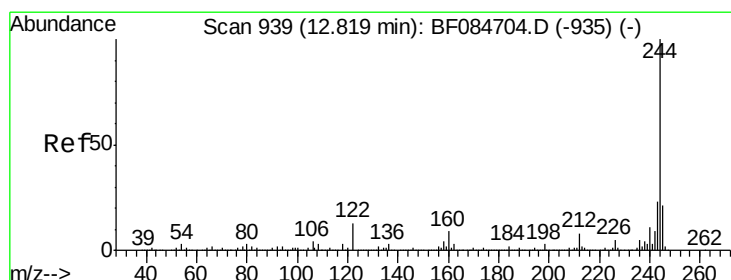
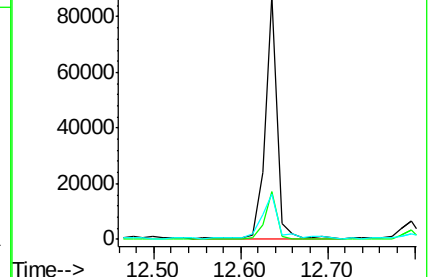
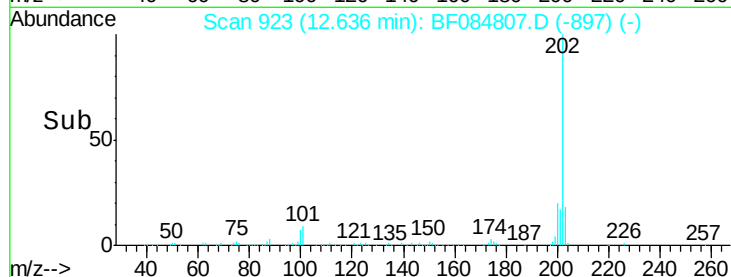
203 18.6 14.3 21.5



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: 86.17 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF084807.D

Acq: 4 Feb 2016 1:48

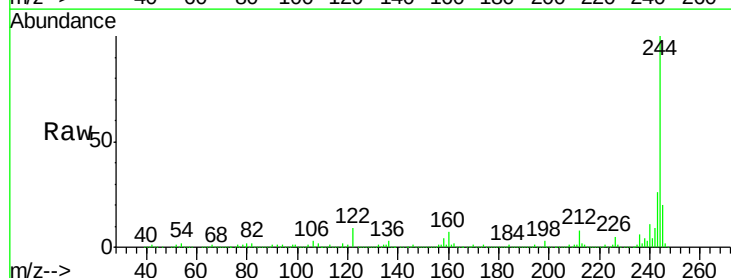
Tgt Ion:244 Resp: 1856296

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

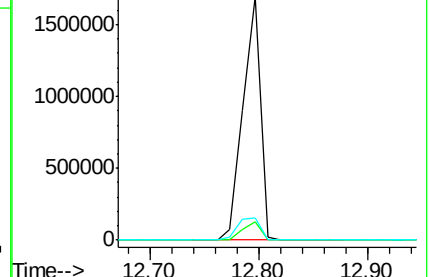
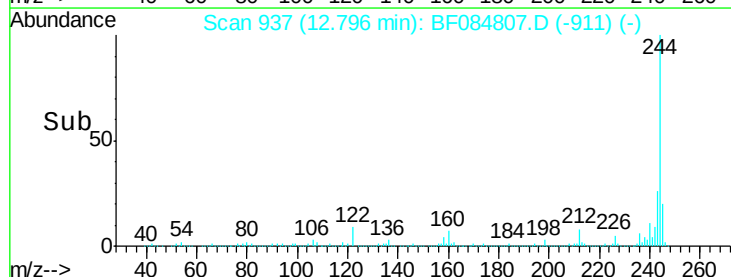
122 9.0 7.4 11.0

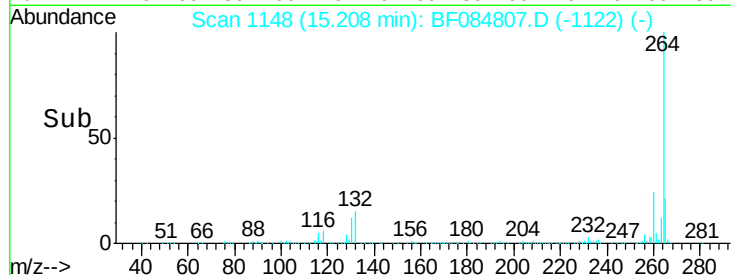
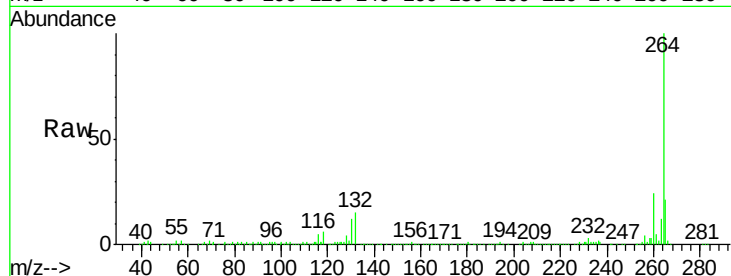
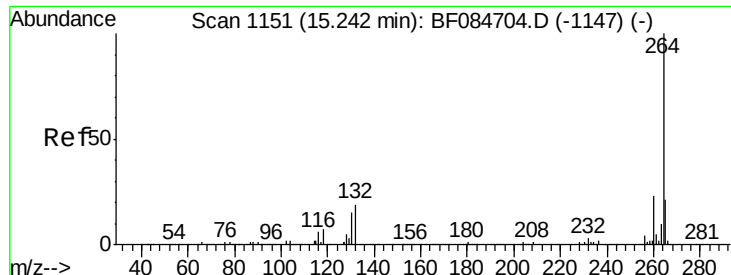


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF084807.D
Acq: 4 Feb 2016 1:48

Instrument :
BNA_F
ClientSampleId :
SUP-B037(15-17)

Tot Ion:	264	Resp:	347855
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.2
265	21.1	17.8	26.6

