

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082209.D
 Acq On : 11 Oct 2015 7:39
 Operator : UM/IZ
 Sample : G3989-02DL 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 03:06:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 02:59:50 2015
 Response via : Initial Calibration

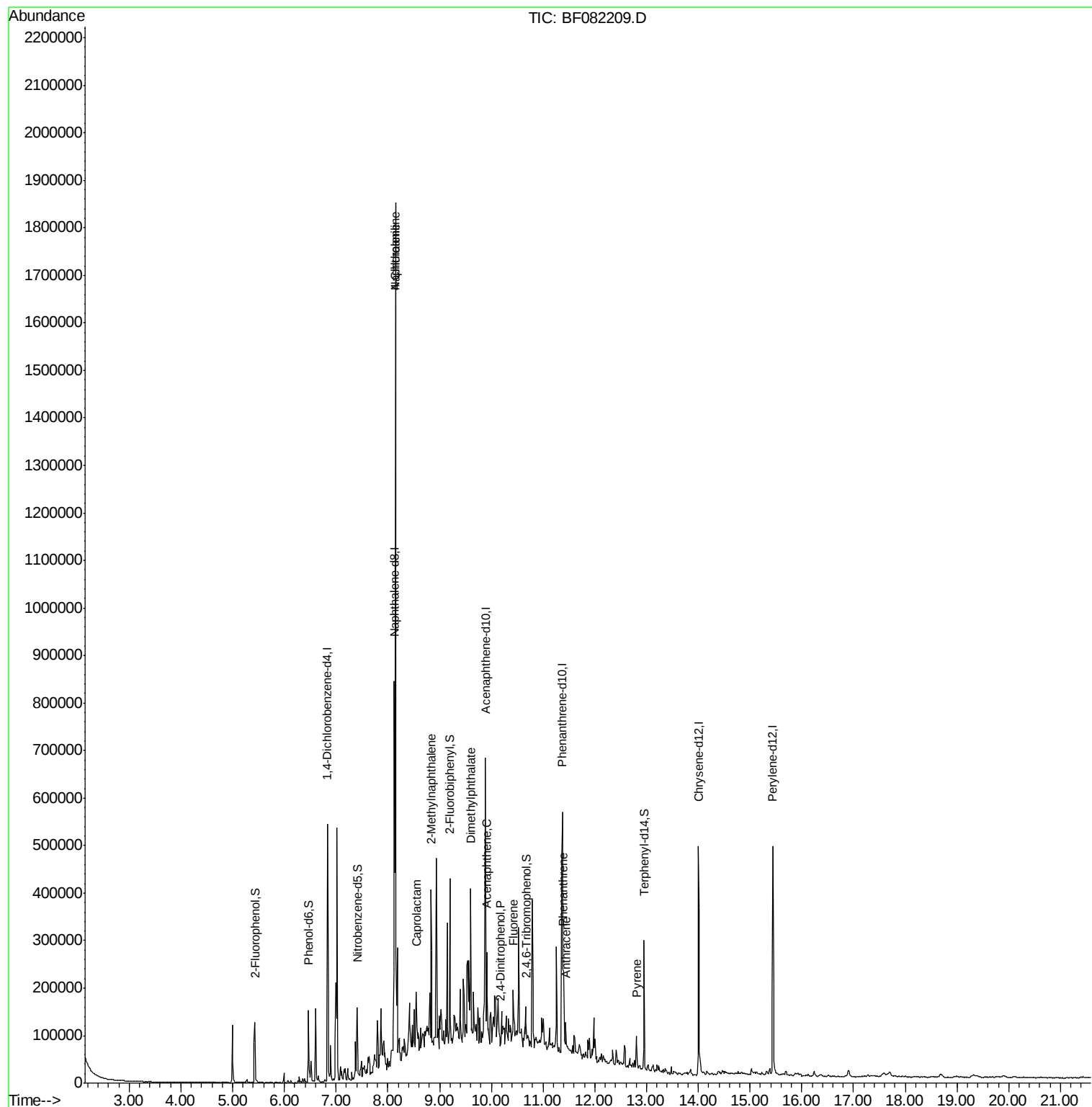
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	92597	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	368127	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	166545	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	283069	20.00	ng	0.00
75) Chrysene-d12	14.00	240	249873	20.00	ng	-0.01
86) Perylene-d12	15.44	264	234807	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	53089	11.57	ng	0.00
7) Phenol-d6	6.47	99	75866	12.71	ng	-0.01
23) Nitrobenzene-d5	7.41	82	44356	8.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	10328	6.61	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	112206	11.17	ng	-0.01
78) Terphenyl-d14	12.95	244	92315	9.79	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.15	128	766227	48.02	ng	99
33) 4-Chloroaniline	8.15	127	105521	15.92	ng	# 33
35) Caprolactam	8.55	113	4764	3.44	ng	# 29
37) 2-Methylnaphthalene	8.83	142	126428	11.43	ng	98
49) Dimethylphthalate	9.60	163	27183	2.32	ng	# 99
51) Acenaphthene	9.91	154	39503	4.23	ng	99
53) 2,4-Dinitrophenol	10.17	184	560	6.77	ng	# 58
57) Fluorene	10.42	166	30276	2.87	ng	# 95
70) Phenanthrene	11.39	178	92534	6.67	ng	97
71) Anthracene	11.44	178	35749	2.50	ng	97
77) Pyrene	12.81	202	40945	2.76	ng	96

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

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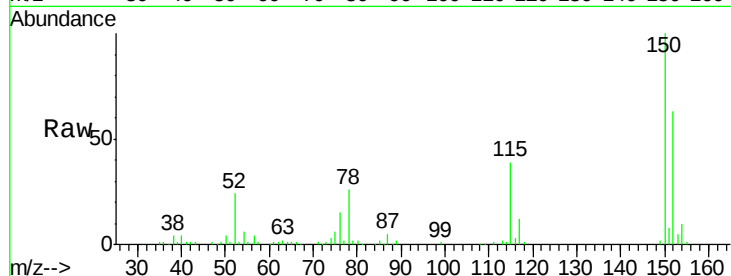


#1

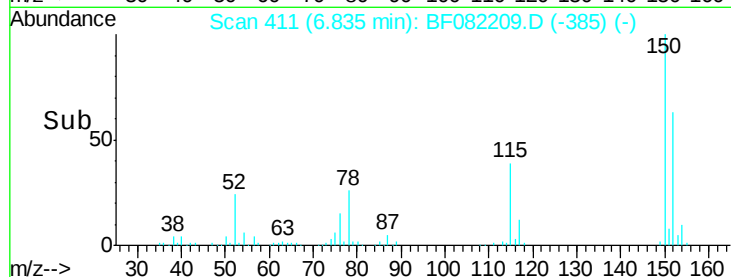
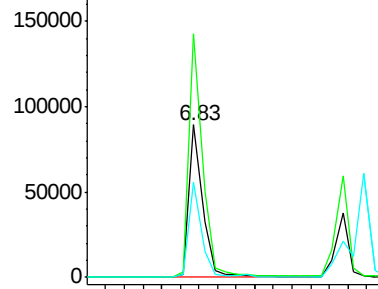
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082209.D
Acq: 11 Oct 2015 7:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	129.0	193.4
115	62.3	52.1	78.1



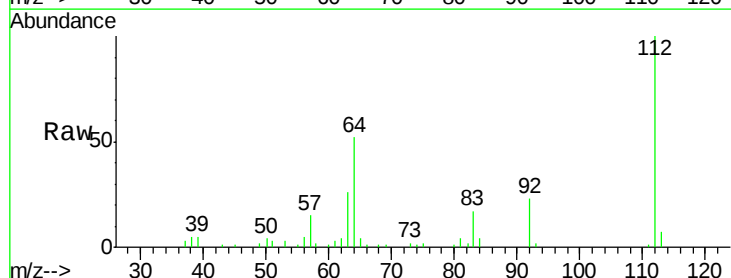
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



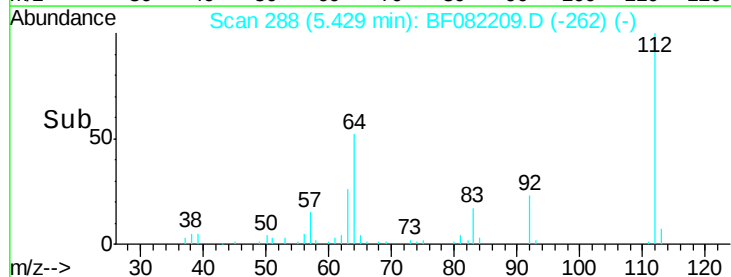
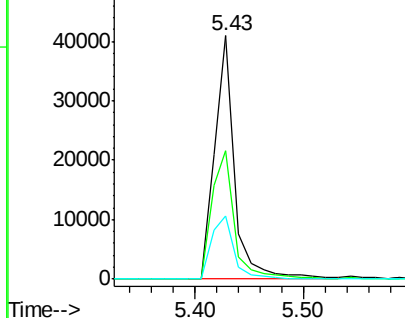
#5

2-Fluorophenol
Concen: 11.57 ng
RT: 5.43 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF082209.D
Acq: 11 Oct 2015 7:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	48.6	73.0
63	26.2	25.1	37.7



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: 12.71 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

Instrument :

BNA_F

ClientSampleId :

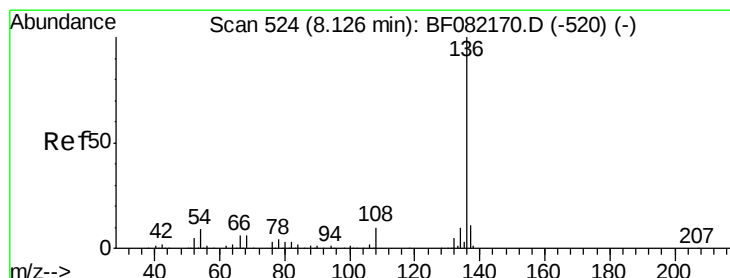
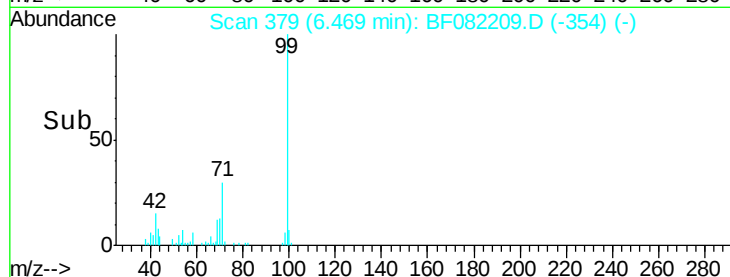
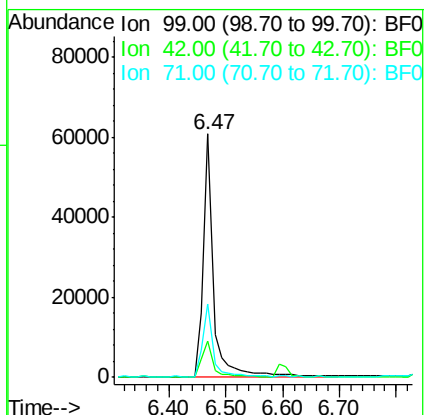
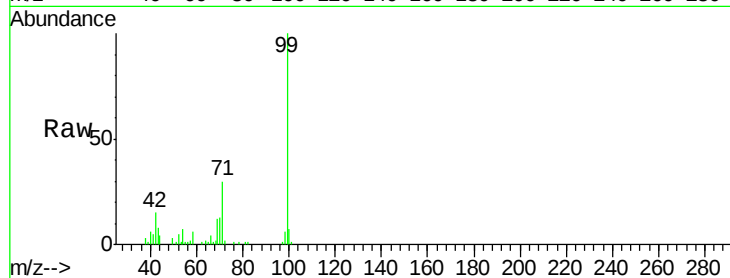
Tot Ion: 99 Resp: 75866

Ion Ratio Lower Upper

99 100

42 14.9 13.2 19.8

71 30.1 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

Tgt Ion: 136 Resp: 368127

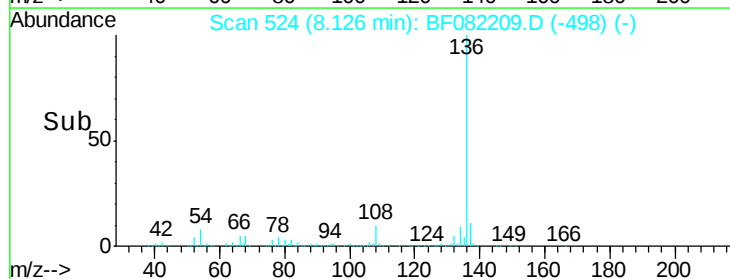
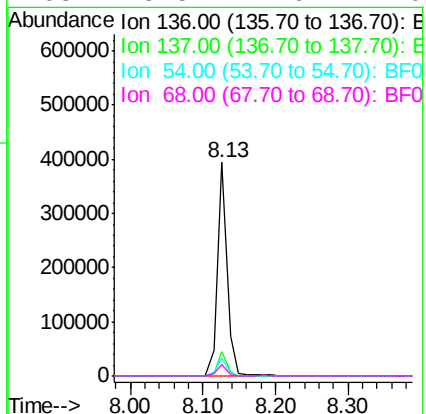
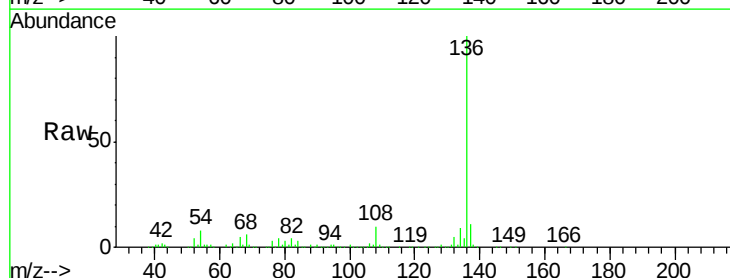
Ion Ratio Lower Upper

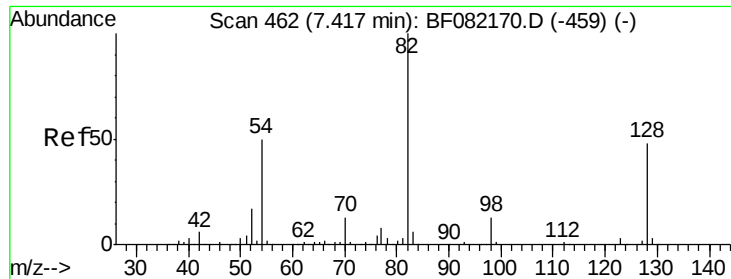
136 100

137 11.5 9.0 13.6

54 8.2 7.5 11.3

68 5.5 4.6 7.0

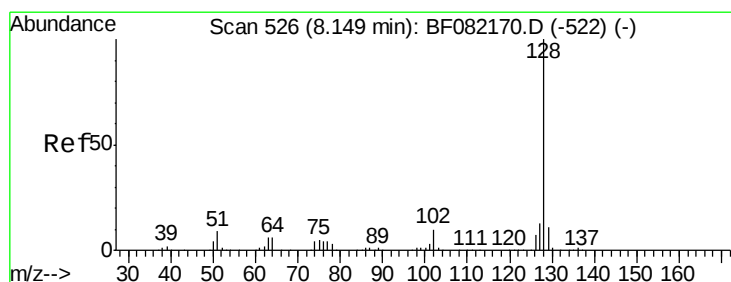
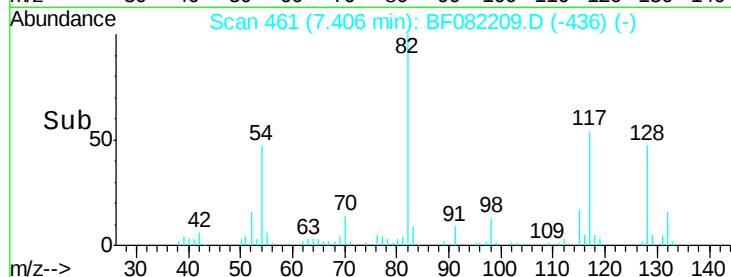
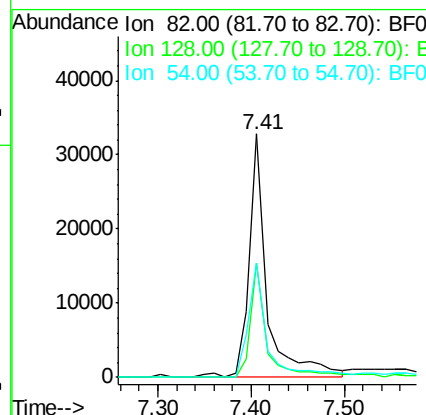
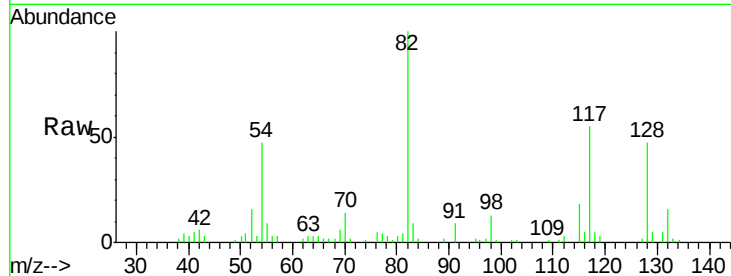




#23
Nitrobenzene-d5
Concen: 8.09 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF082209.D
Acq: 11 Oct 2015 7:39

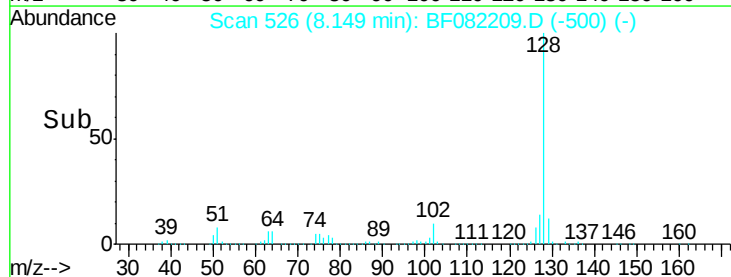
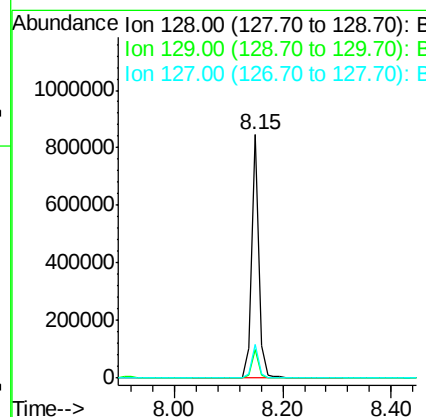
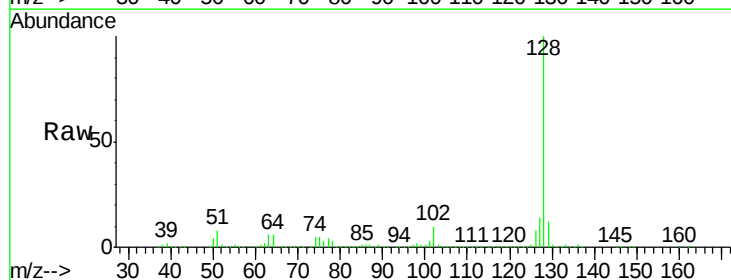
Instrument :
BNA_F
ClientSampleId :

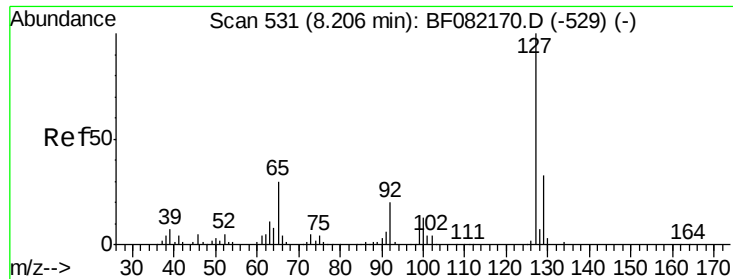
Tot Ion: 82 Resp: 44356
Ion Ratio Lower Upper
82 100
128 46.9 38.7 58.1
54 47.1 40.1 60.1



#31
Naphthalene
Concen: 48.02 ng
RT: 8.15 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF082209.D
Acq: 11 Oct 2015 7:39

Tgt Ion: 128 Resp: 766227
Ion Ratio Lower Upper
128 100
129 11.7 9.1 13.7
127 13.8 10.7 16.1

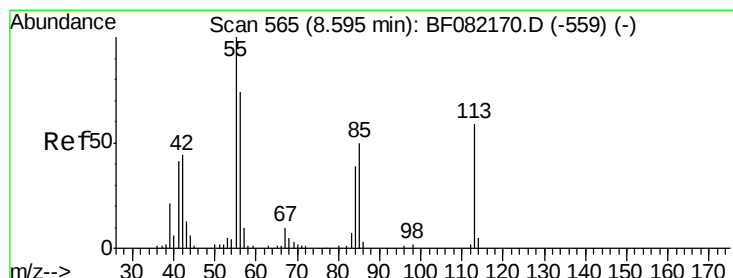
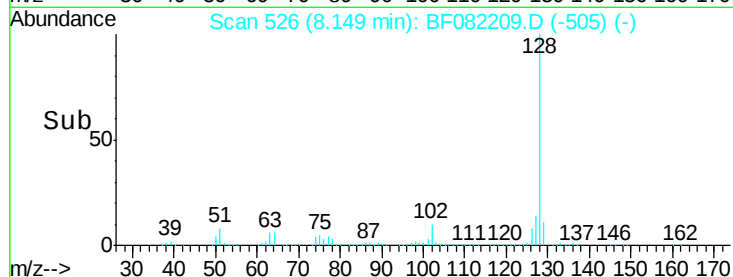
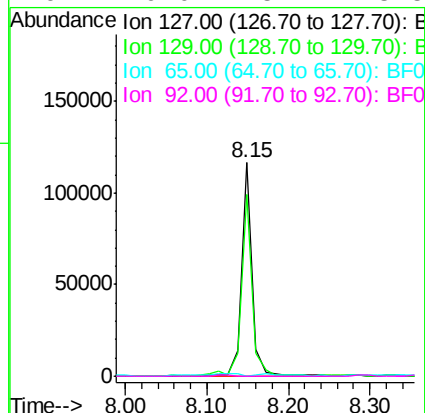
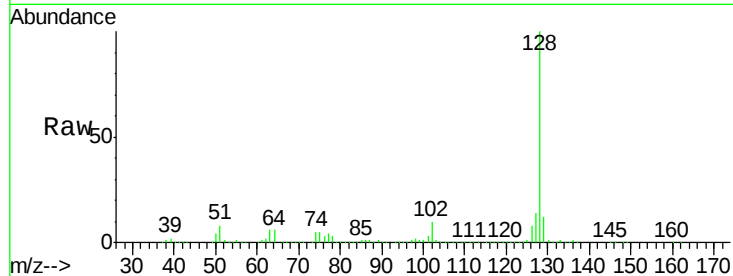




#33
4-Chloroaniline
Concen: 15.92 ng
RT: 8.15 min Scan# 526
Delta R.T. -0.06 min
Lab File: BF082209.D
Acq: 11 Oct 2015 7:39

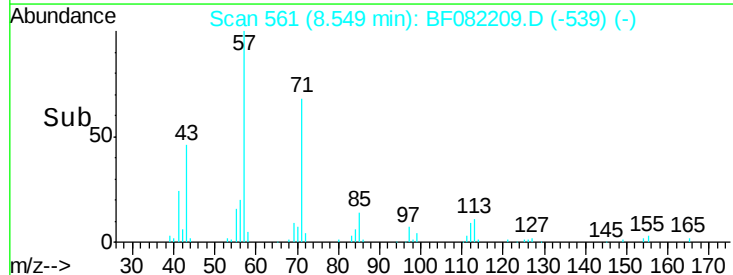
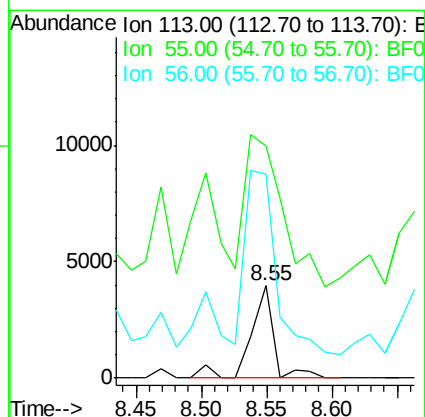
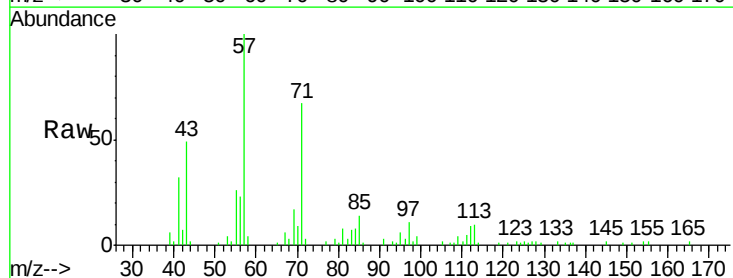
Instrument :
BNA_F
ClientSampleId :

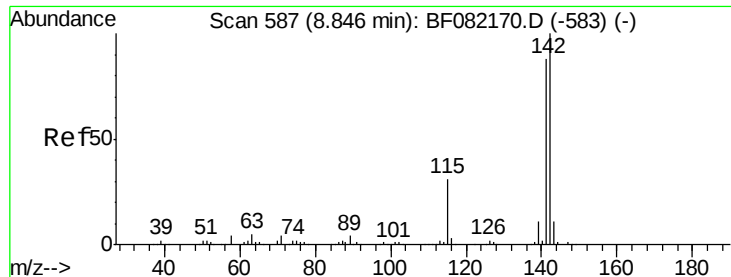
Tot Ion:127 Resp: 105521
Ion Ratio Lower Upper
127 100
129 85.0 26.3 39.5#
65 0.0 24.4 36.6#
92 0.0 15.7 23.5#



#35
Caprolactam
Concen: 3.44 ng
RT: 8.55 min Scan# 561
Delta R.T. -0.05 min
Lab File: BF082209.D
Acq: 11 Oct 2015 7:39

Tgt Ion:113 Resp: 4764
Ion Ratio Lower Upper
113 100
55 251.8 149.7 189.7#
56 222.3 105.4 145.4#

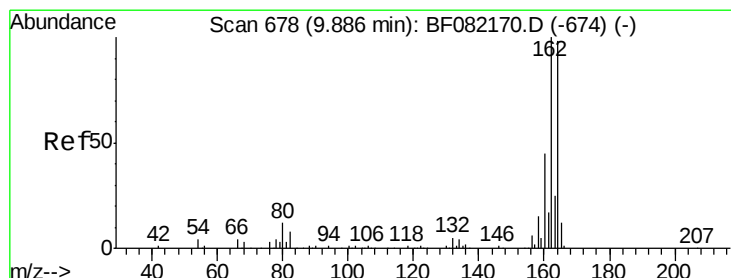
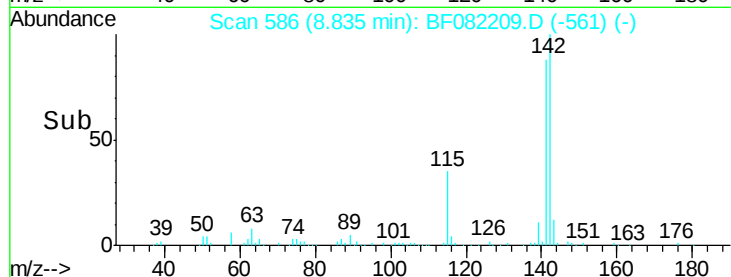
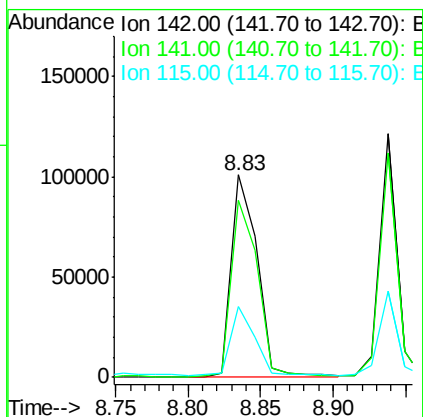
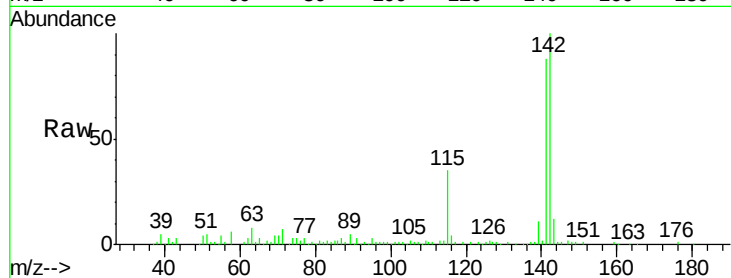




#37
 2-Methylnaphthalene
 Concen: 11.43 ng
 RT: 8.83 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: BF082209.D
 Acq: 11 Oct 2015 7:39

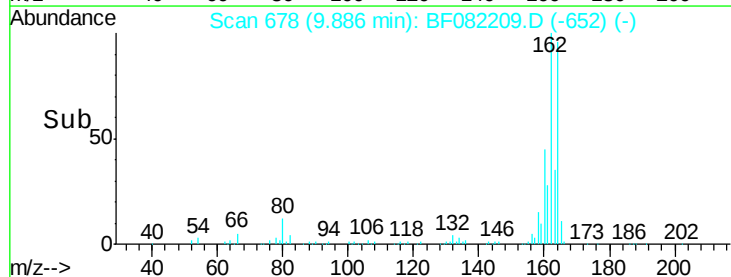
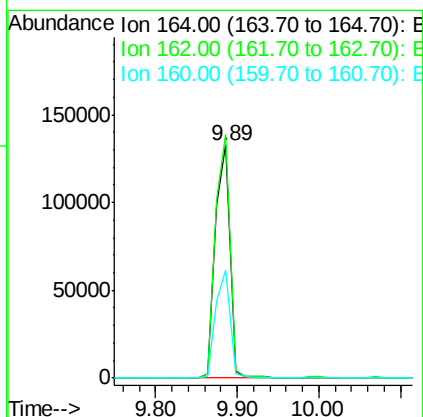
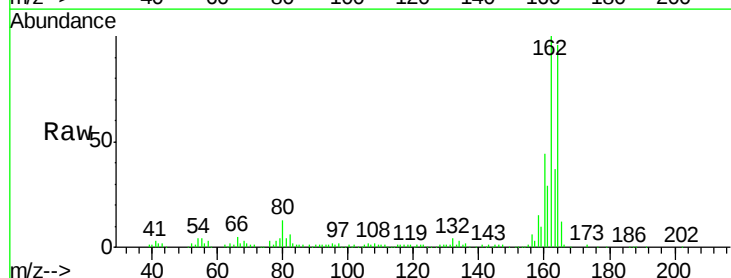
Instrument :
 BNA_F
 ClientSampleId :

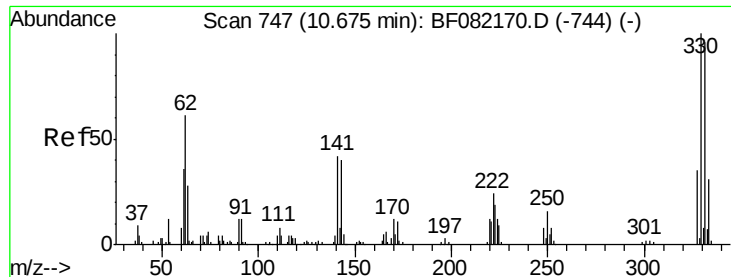
Tot Ion:142 Resp: 126428
 Ion Ratio Lower Upper
 142 100
 141 87.7 70.4 105.6
 115 35.1 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF082209.D
 Acq: 11 Oct 2015 7:39

Tgt Ion:164 Resp: 166545
 Ion Ratio Lower Upper
 164 100
 162 104.5 81.6 122.4
 160 46.4 36.4 54.6

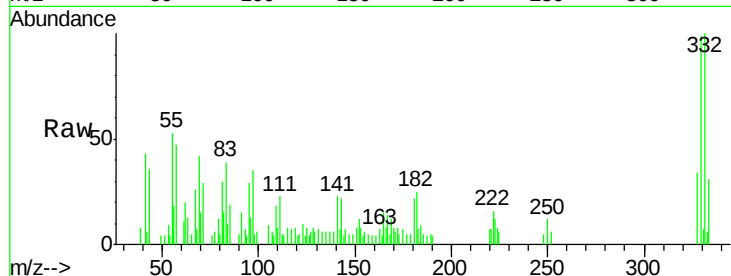




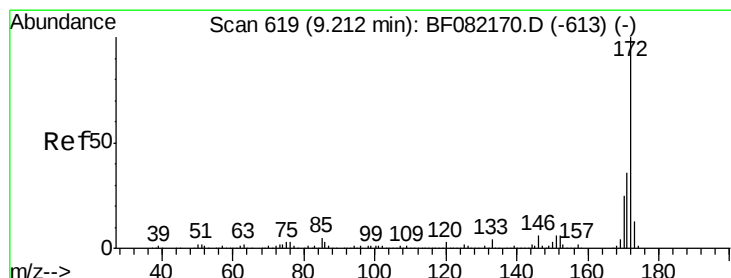
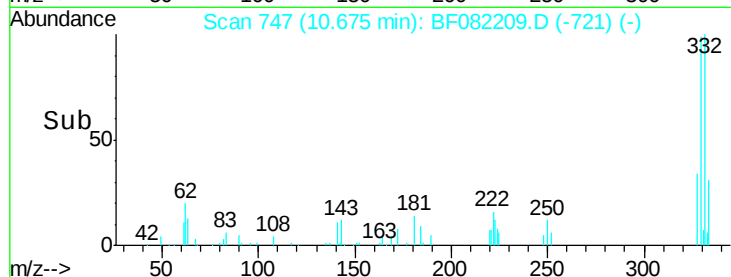
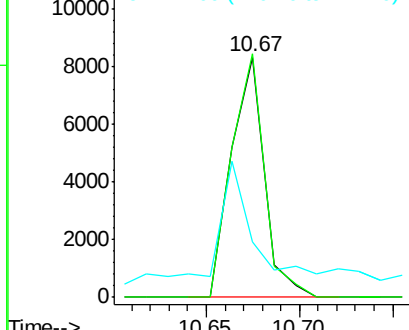
#41
 2,4,6-Tribromophenol
 Concen: 6.61 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082209.D
 Acq: 11 Oct 2015 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 10328
 Ion Ratio Lower Upper
 330 100
 332 100.7 77.1 115.7
 141 64.9 29.8 44.8#

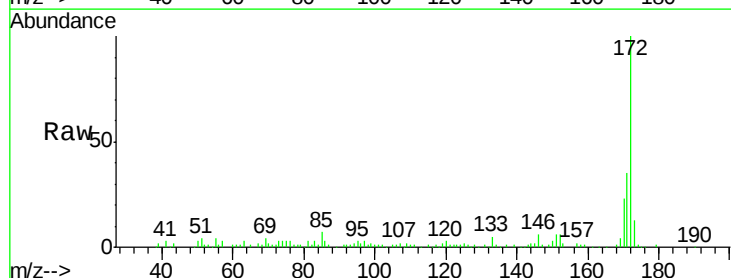


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

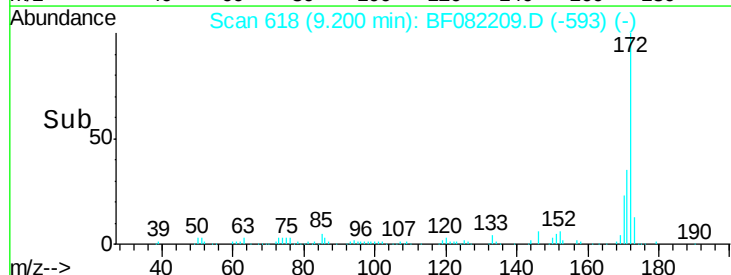
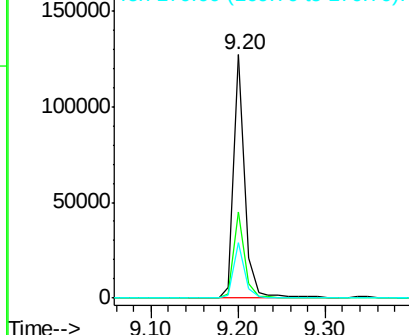


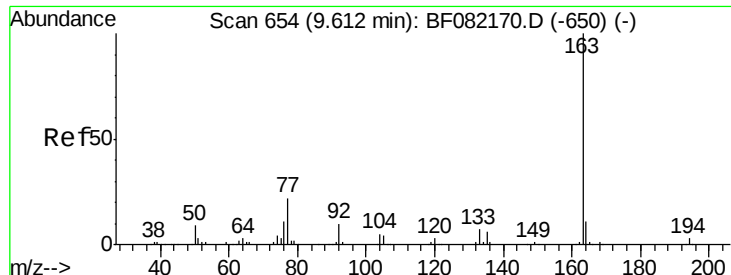
#44
 2-Fluorobiphenyl
 Concen: 11.17 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082209.D
 Acq: 11 Oct 2015 7:39

Tgt Ion:172 Resp: 112206
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 22.7 19.7 29.5



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





#49

Dimethylphthalate

Concen: 2.32 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

Instrument :

BNA_F

ClientSampleId :

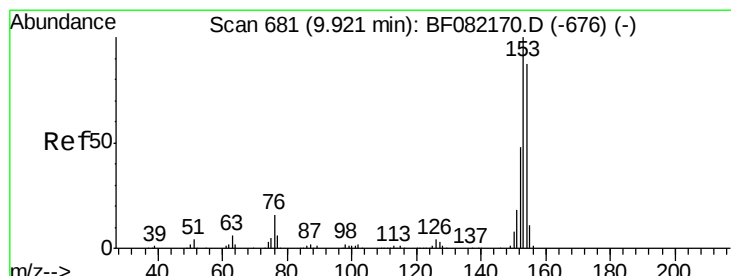
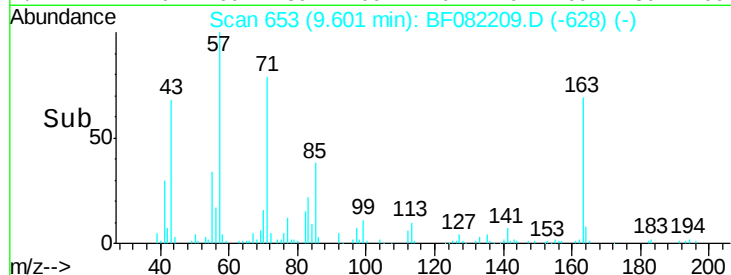
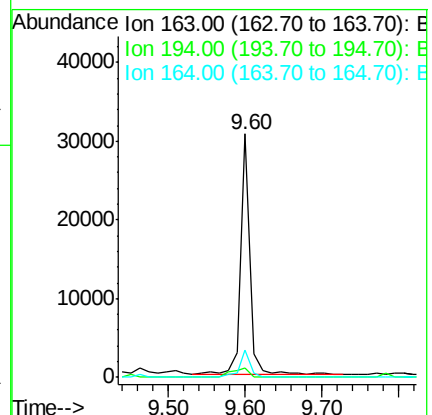
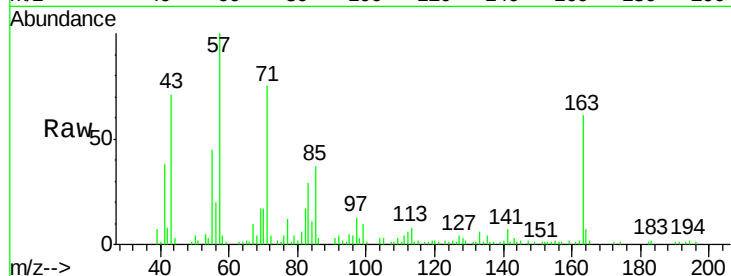
Tot Ion:163 Resp: 27183

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

164 11.0 8.5 12.7



#51

Acenaphthene

Concen: 4.23 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

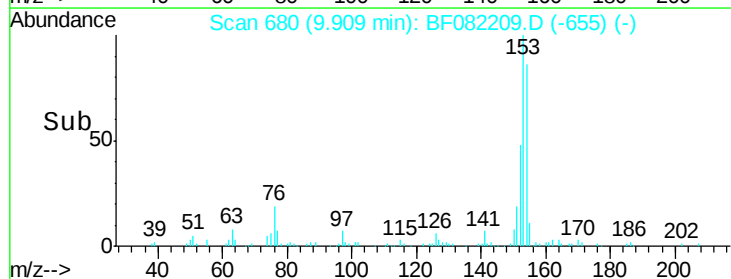
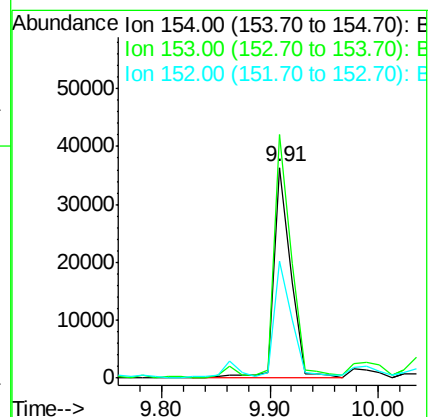
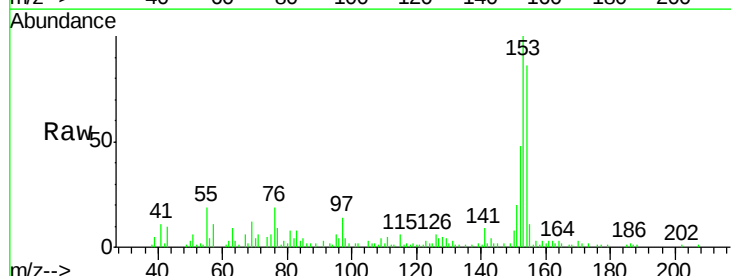
Tgt Ion:154 Resp: 39503

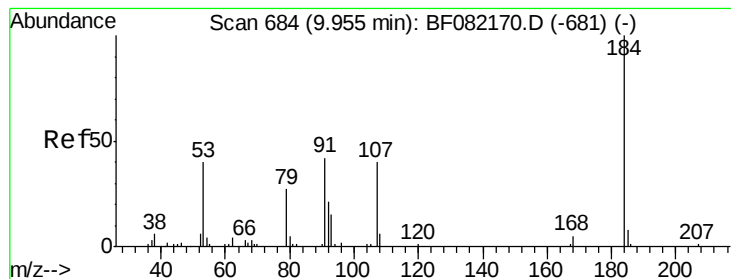
Ion Ratio Lower Upper

154 100

153 115.6 91.4 137.2

152 55.3 44.3 66.5





#53

2,4-Dinitrophenol

Concen: 6.77 ng

RT: 10.17 min Scan# 703

Delta R.T. 0.22 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

Instrument :

BNA_F

ClientSampled :

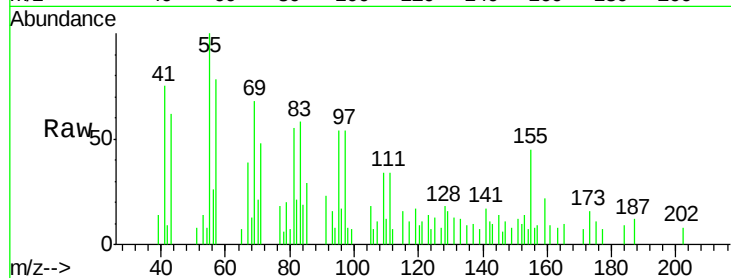
Tot Ion:184 Resp: 560

Ion Ratio Lower Upper

184 100

63 0.0 45.1 67.7#

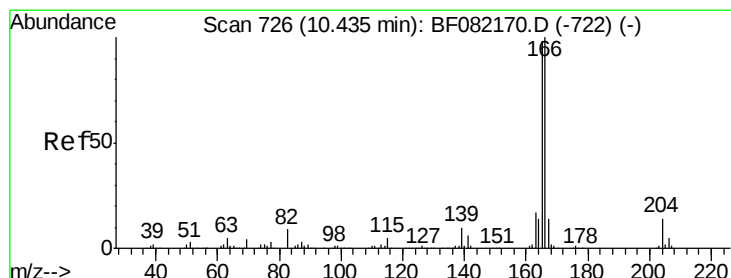
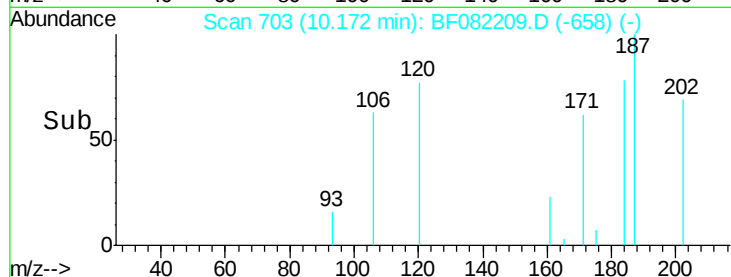
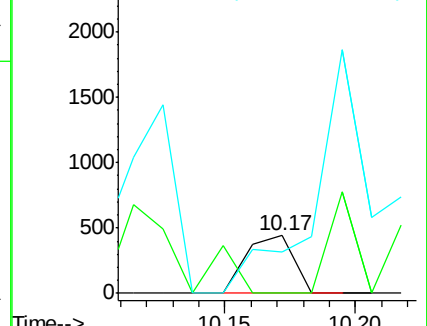
154 72.1 51.2 76.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#57

Fluorene

Concen: 2.87 ng

RT: 10.42 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

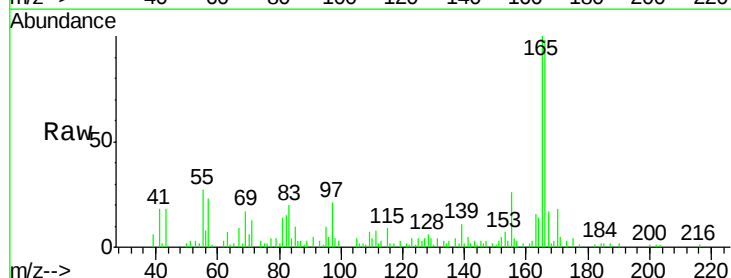
Tgt Ion:166 Resp: 30276

Ion Ratio Lower Upper

166 100

165 102.6 78.3 117.5

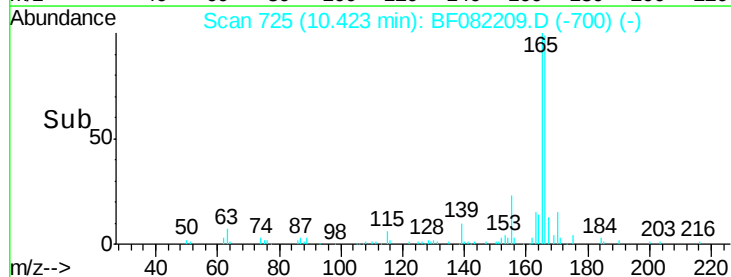
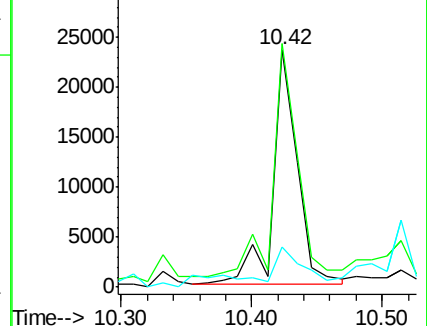
167 17.1 10.8 16.2#

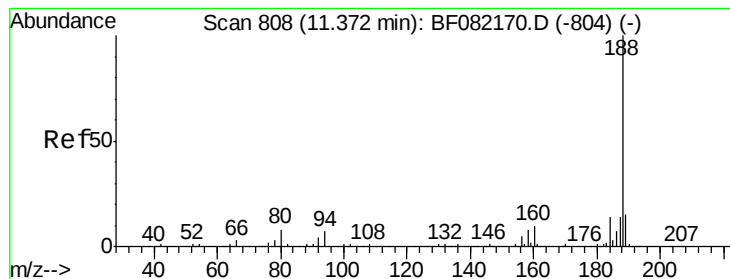


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

Instrument :

BNA_F

ClientSampleId :

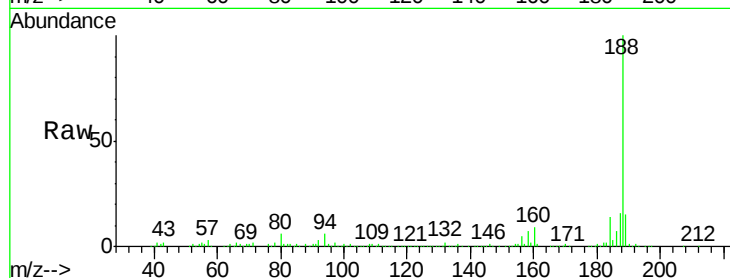
Tot Ion:188 Resp: 283069

Ion Ratio Lower Upper

188 100

94 5.7 5.8 8.6#

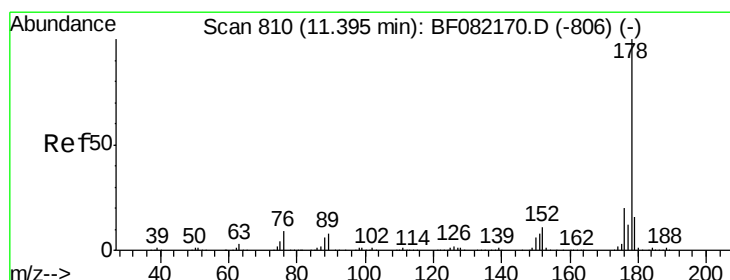
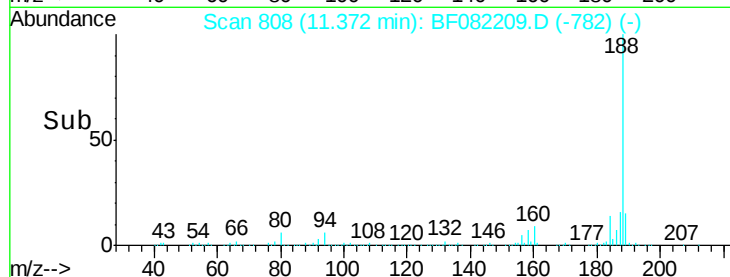
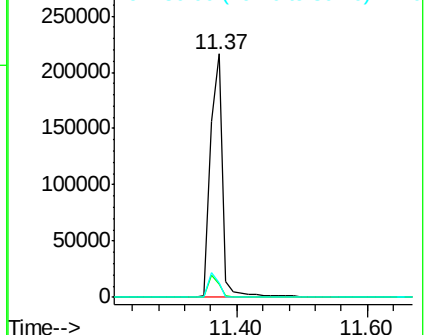
80 6.1 6.4 9.6#



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: 6.67 ng

RT: 11.39 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

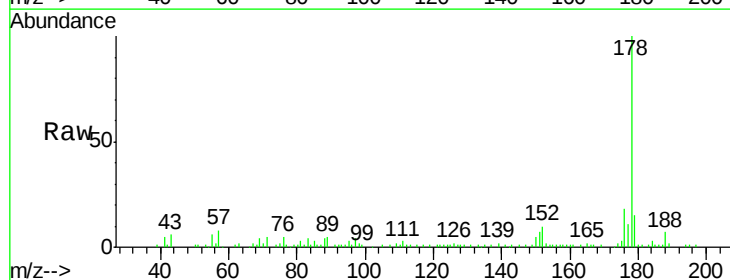
Tgt Ion:178 Resp: 92534

Ion Ratio Lower Upper

178 100

176 18.3 16.0 24.0

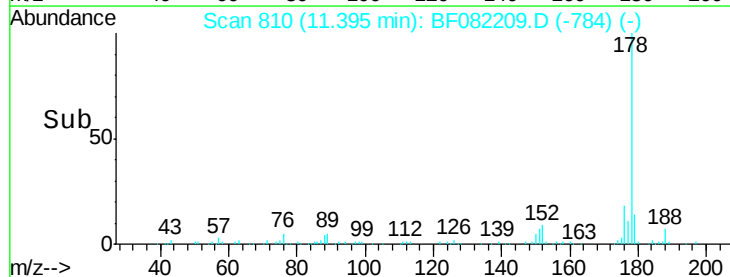
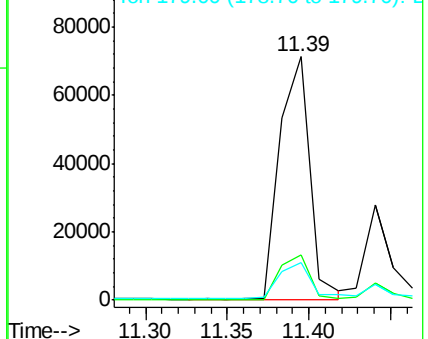
179 15.2 12.6 19.0

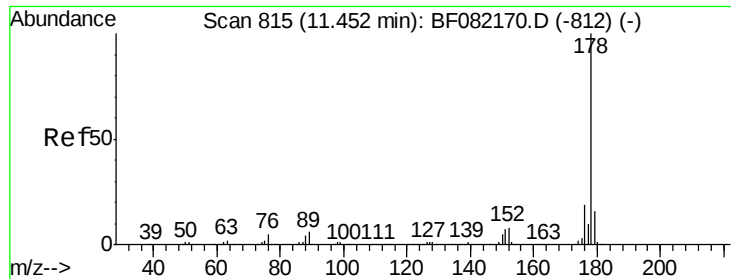


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

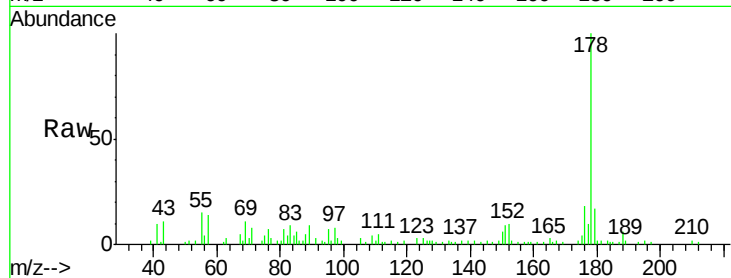




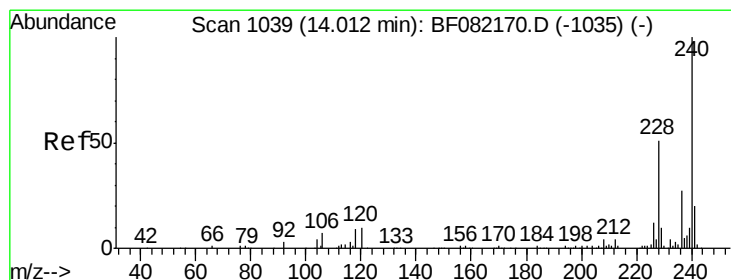
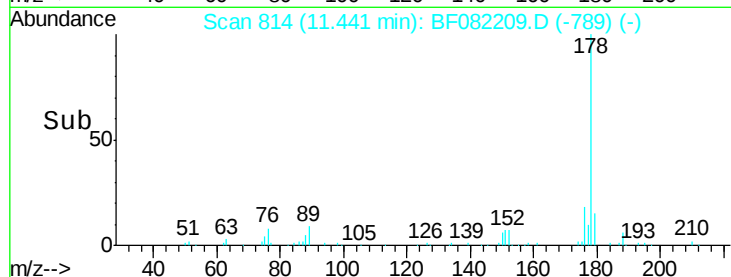
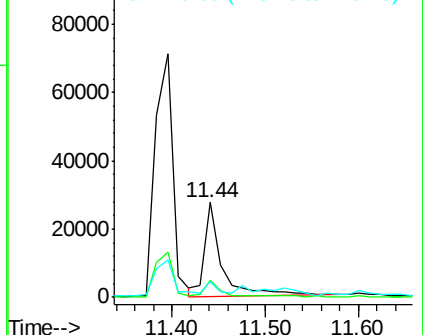
#71
 Anthracene
 Concen: 2.50 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF082209.D
 Acq: 11 Oct 2015 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 35749
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 17.0 12.5 18.7

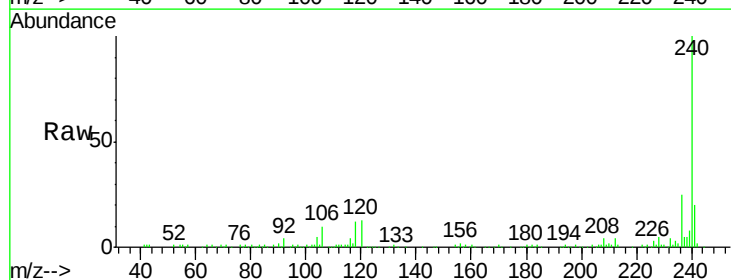


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

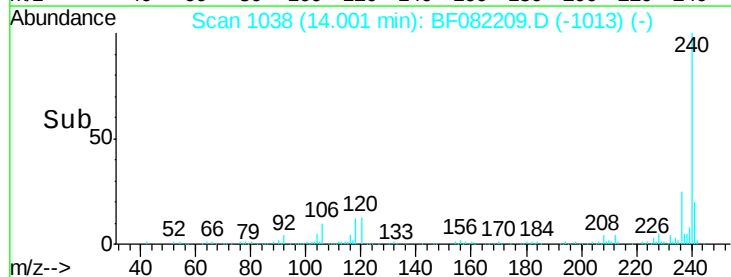
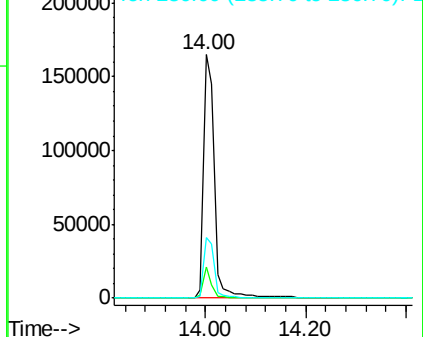


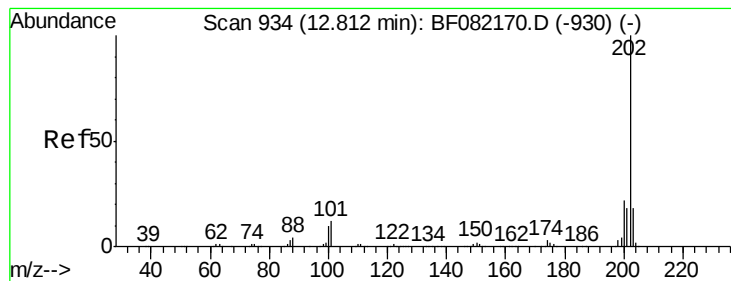
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF082209.D
 Acq: 11 Oct 2015 7:39

Tgt Ion:240 Resp: 249873
 Ion Ratio Lower Upper
 240 100
 120 13.0 8.1 12.1#
 236 25.0 21.3 31.9



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: 2.76 ng

RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

Instrument :

BNA_F

ClientSampleId :

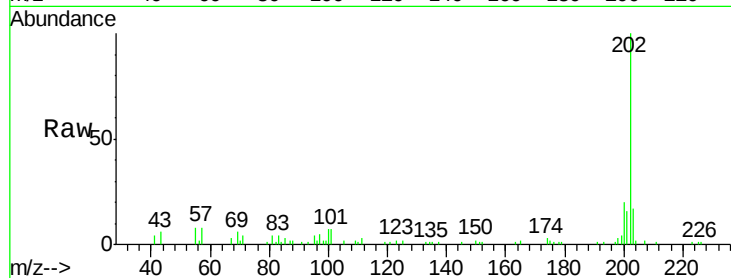
Tot Ion:202 Resp: 40945

Ion Ratio Lower Upper

202 100

200 19.9 17.9 26.9

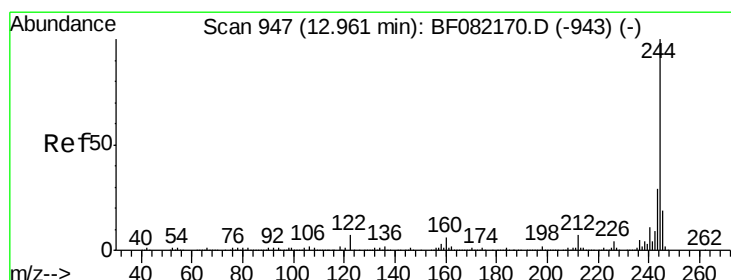
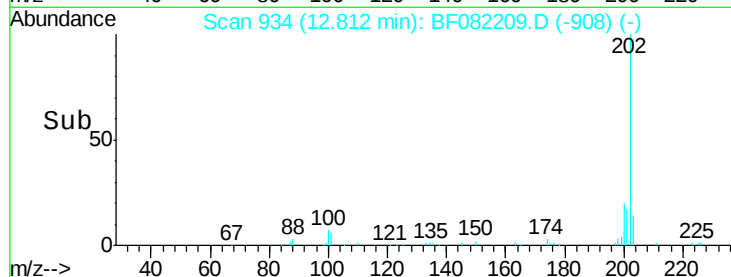
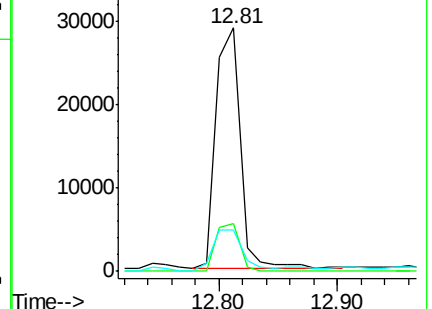
203 17.1 14.5 21.7



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: 9.79 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082209.D

Acq: 11 Oct 2015 7:39

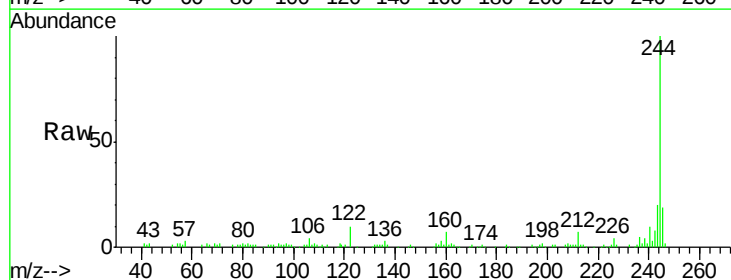
Tgt Ion:244 Resp: 92315

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

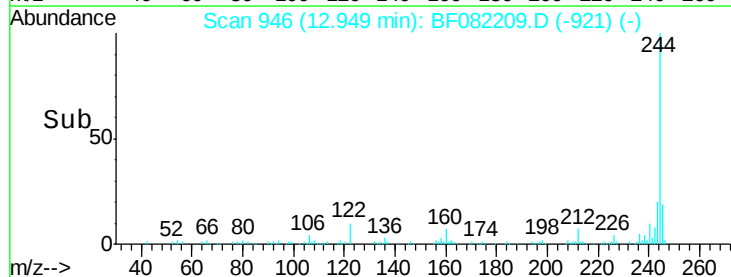
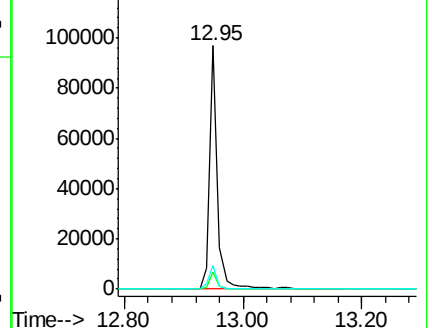
122 9.5 5.9 8.9#

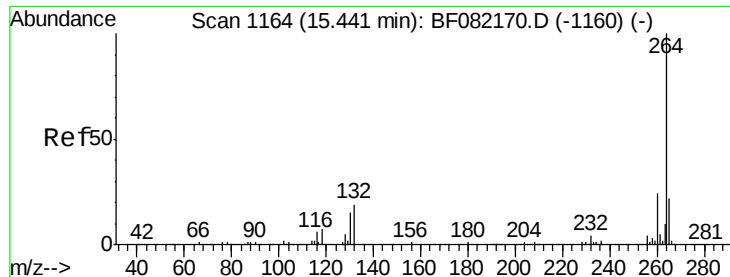


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

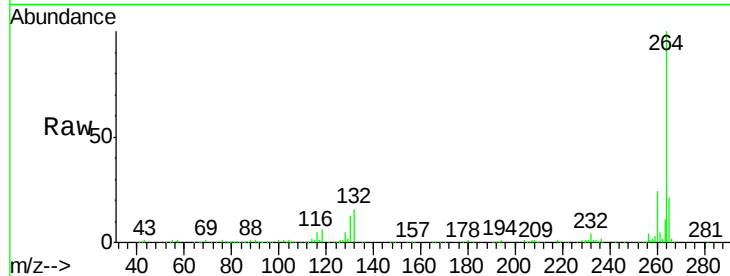




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF082209.D
 Acq: 11 Oct 2015 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	21.4	17.3	25.9



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

