

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086102.D
 Acq On : 6 Apr 2016 16:56
 Operator : UM/SJ
 Sample : H2254-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-14

Quant Time: Apr 07 01:09:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

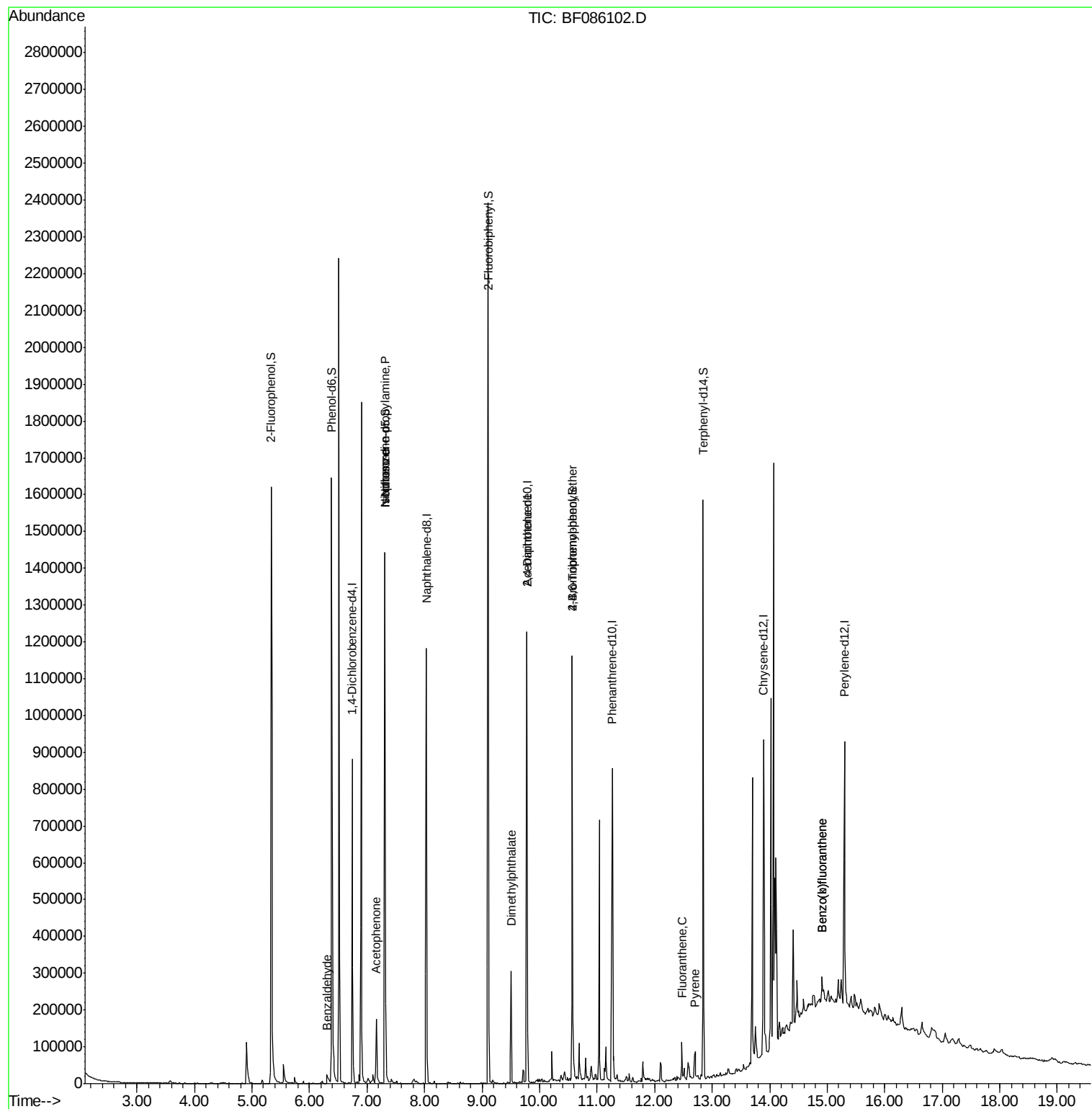
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	142205	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	551195	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	221262	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	347904	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	287662	20.00	ng	-0.03
86) Perylene-d12	15.30	264	322217	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	636904	76.56	ng	-0.03
7) Phenol-d6	6.38	99	743926	70.40	ng	-0.03
23) Nitrobenzene-d5	7.31	82	460322	49.25	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	129570	62.39	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	669687	50.32	ng	-0.03
78) Terphenyl-d14	12.84	244	435967	35.63	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.30	77	11935	2.10	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	7.31	70	60151	9.18	ng	# 78
22) Acetophenone	7.16	105	65863	5.08	ng	# 88
25) Isophorone	7.31	82	434097	23.53	ng	# 68
49) Dimethylphthalate	9.50	163	122264	7.46	ng	100
56) 2,4-Dinitrotoluene	9.78	165	28578	6.52	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	8914	2.51	ng	# 1
74) Fluoranthene	12.48	202	47212	2.39	ng	91
77) Pyrene	12.70	202	41819	2.06	ng	99
87) Benzo(b)fluoranthene	14.91	252	46796	2.31	ng	# 86
88) Benzo(k)fluoranthene	14.91	252	46796	2.61	ng	# 85

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

Instrument :

BNA_F

ClientSampleId :

SP-14

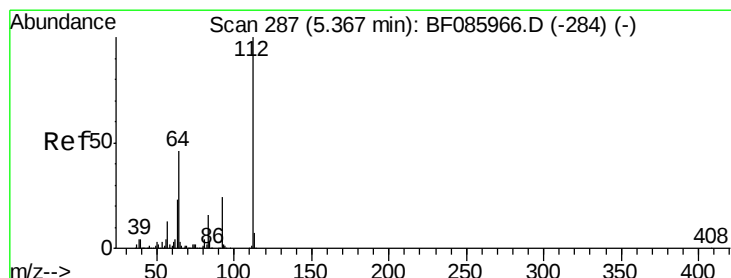
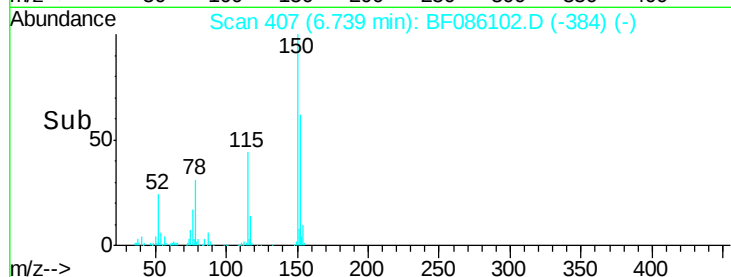
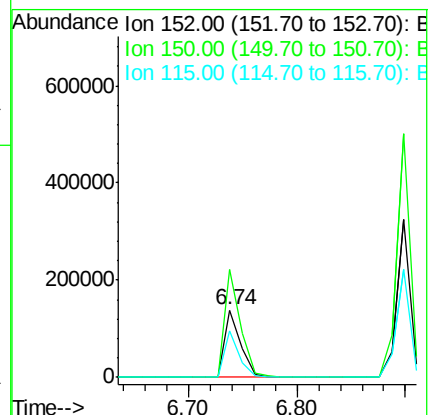
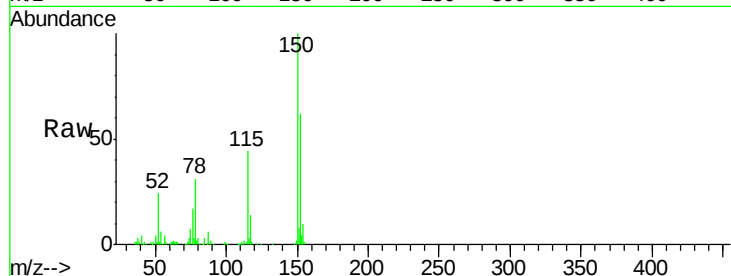
Tgt Ion:152 Resp: 142205

Ion Ratio Lower Upper

152 100

150 160.8 124.2 186.2

115 70.0 47.0 70.6



#5

2-Fluorophenol

Concen: 76.56 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

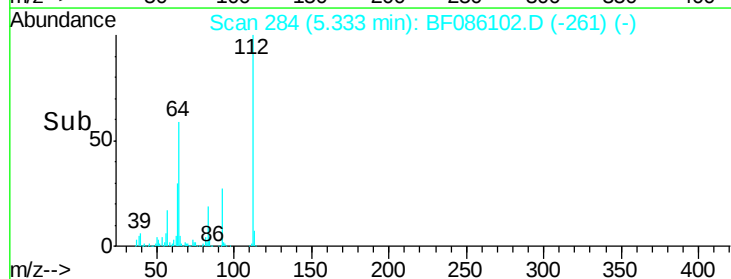
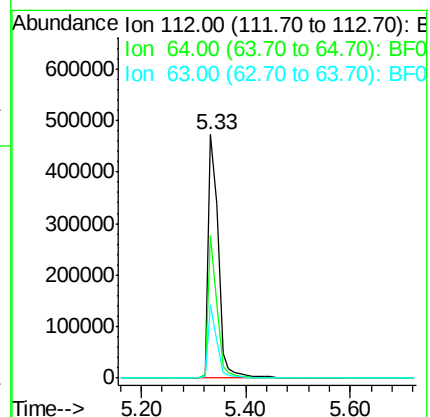
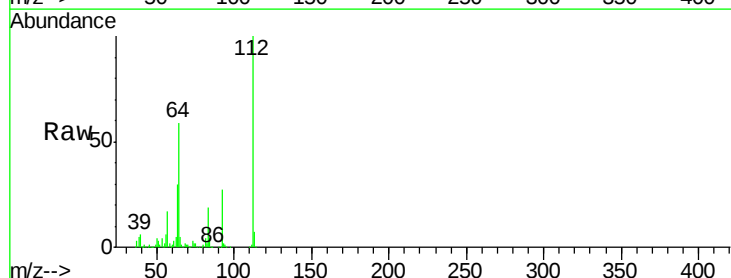
Tgt Ion:112 Resp: 636904

Ion Ratio Lower Upper

112 100

64 58.6 39.9 59.9

63 29.9 20.2 30.2





#7

Phenol-d6

Concen: 70.40 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

Instrument :

BNA_F

ClientSampleId :

SP-14

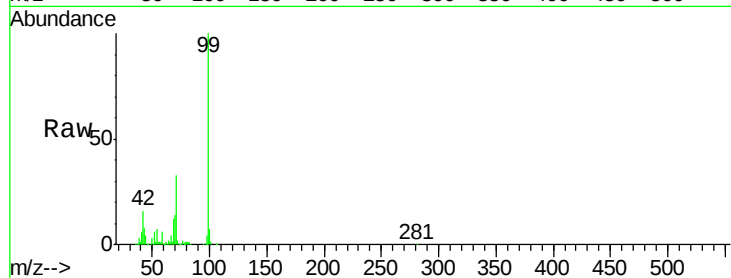
Tgt Ion: 99 Resp: 743926

Ion Ratio Lower Upper

99 100

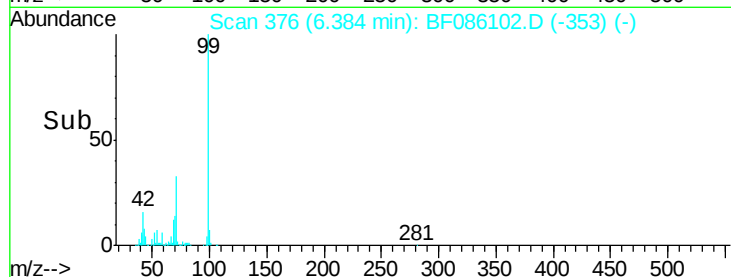
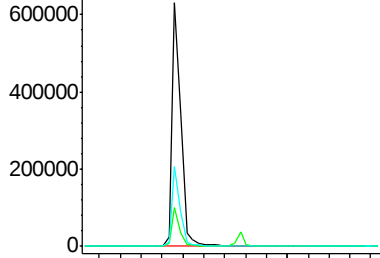
42 15.9 11.1 16.7

71 32.9 24.9 37.3

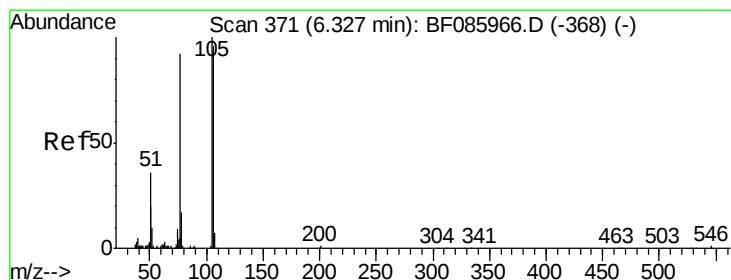


Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

6.38



Time-->



#9

Benzaldehyde

Concen: 2.10 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

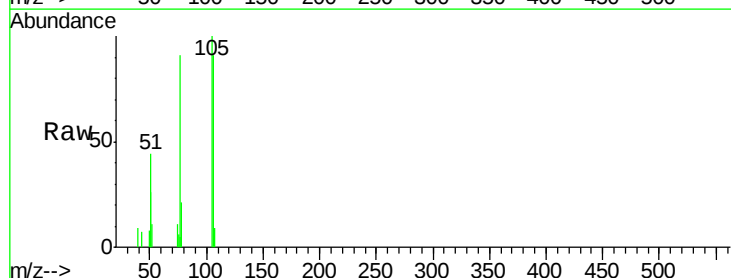
Tgt Ion: 77 Resp: 11935

Ion Ratio Lower Upper

77 100

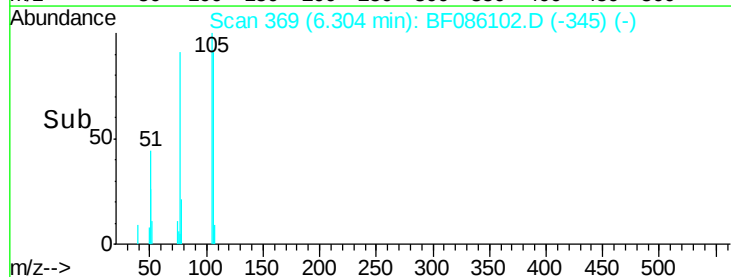
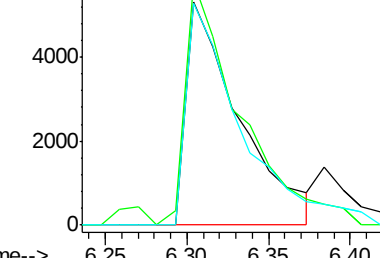
105 109.4 80.1 120.1

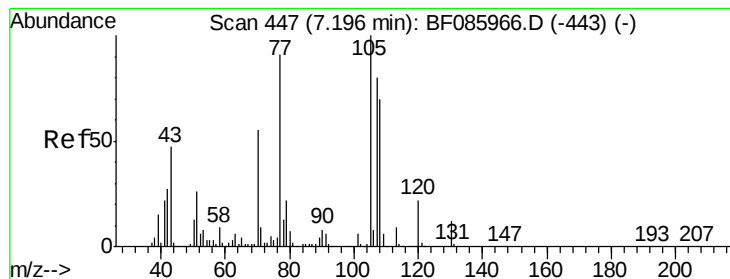
106 99.5 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

6.30





#19

n-Nitroso-di-n-propylamine

Concen: 9.18 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

Instrument :

BNA_F

ClientSampled :

SP-14

Tgt Ion: 70 Resp: 60151

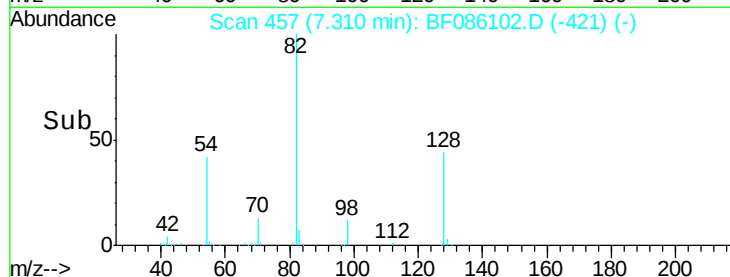
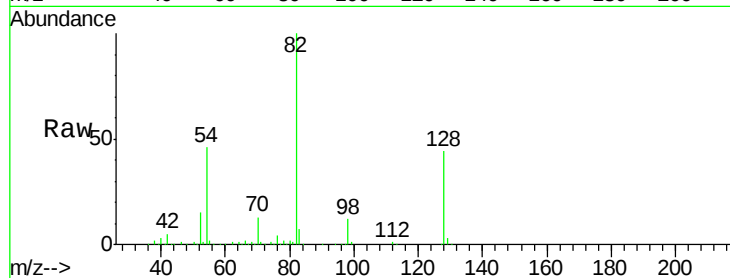
Ion Ratio Lower Upper

70 100

42 41.3 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#



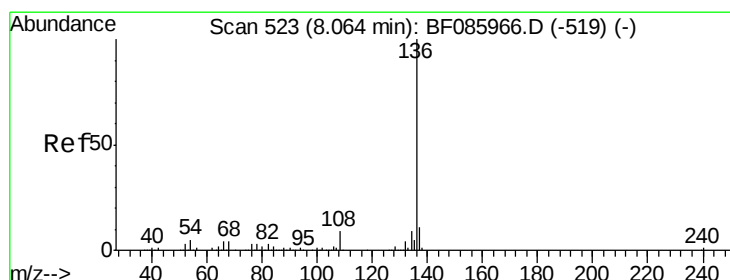
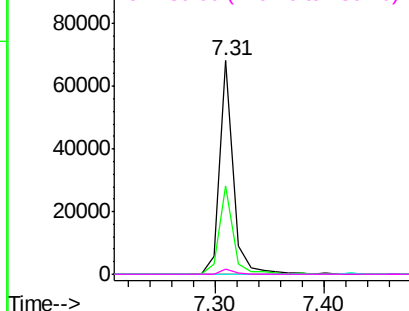
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

Tgt Ion: 136 Resp: 551195

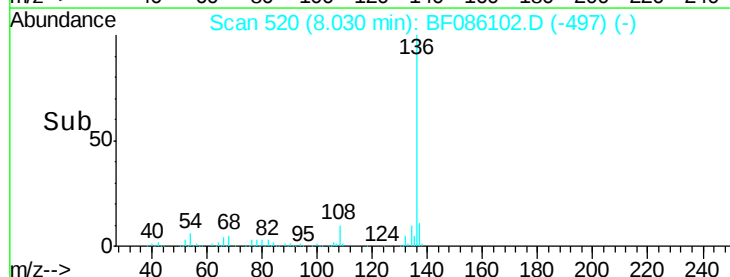
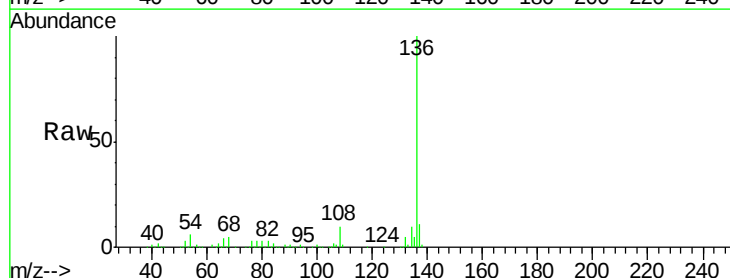
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.9 7.4 11.0#

68 5.1 5.8 8.8#



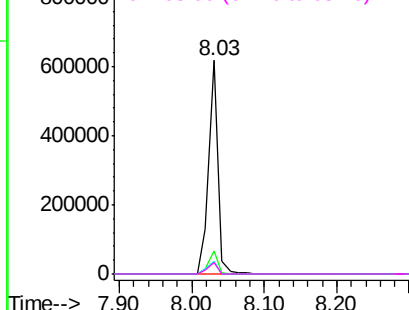
Abundance

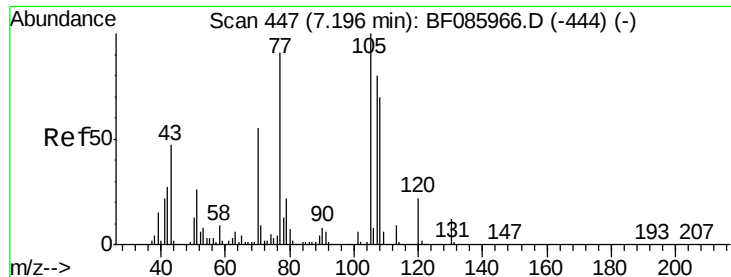
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 5.08 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

Instrument :

BNA_F

ClientSampleID :

SP-14

Tgt Ion: 105 Resp: 65863

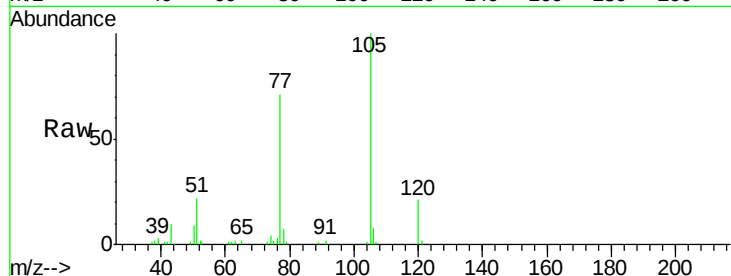
Ion Ratio Lower Upper

105 100

71 0.0 3.6 5.4#

51 21.6 25.4 38.0#

120 20.6 16.9 25.3

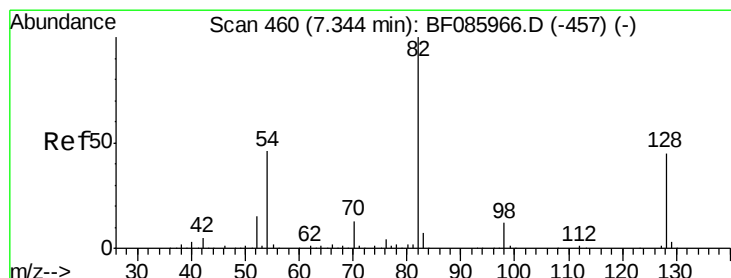
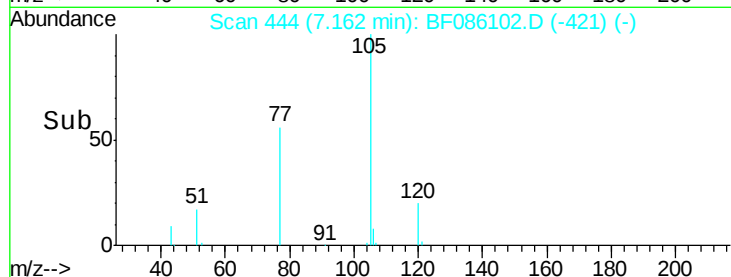
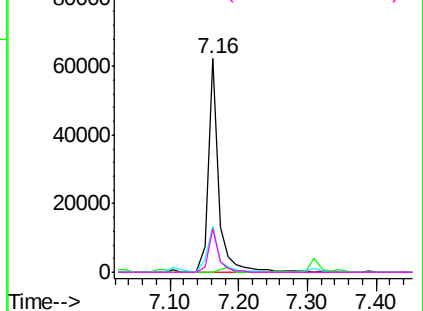


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 49.25 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

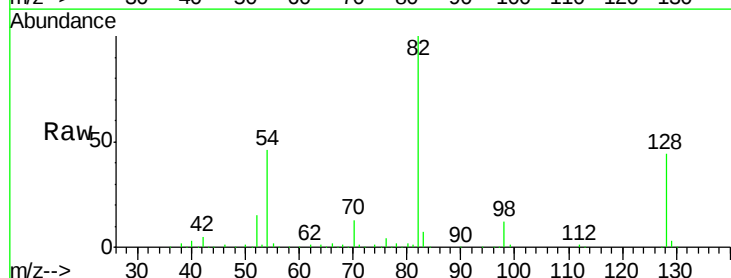
Tgt Ion: 82 Resp: 460322

Ion Ratio Lower Upper

82 100

128 43.5 41.8 62.8

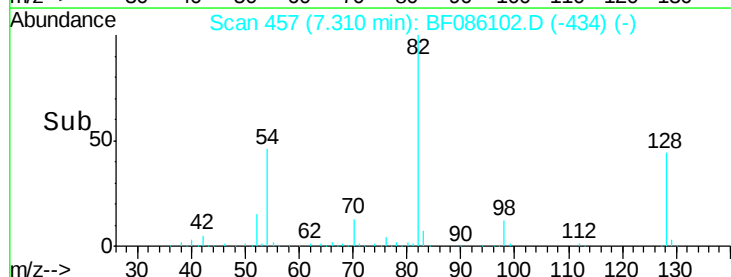
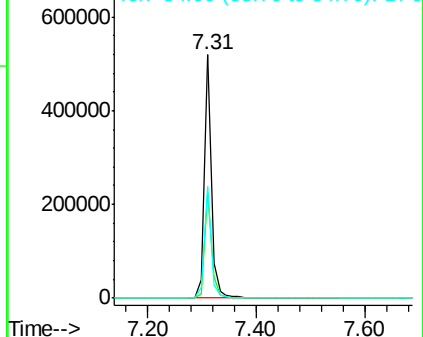
54 45.9 33.4 50.0

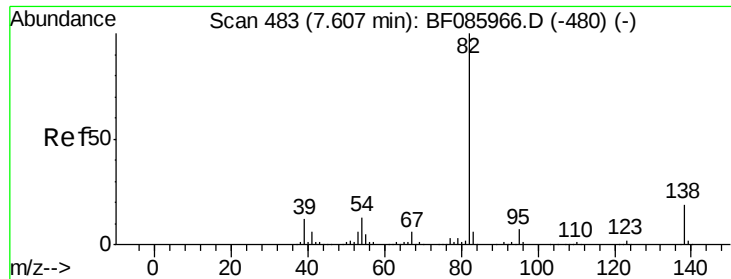


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 23.53 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

Instrument :

BNA_F

ClientSampleId :

SP-14

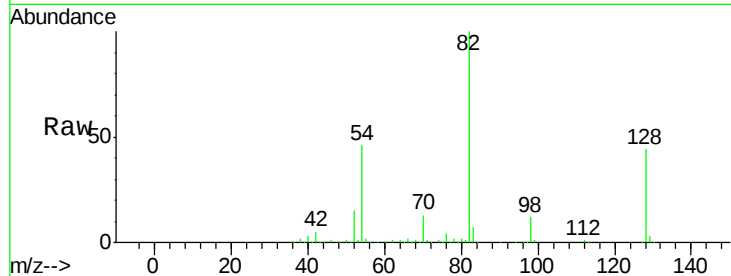
Tgt Ion: 82 Resp: 434097

Ion Ratio Lower Upper

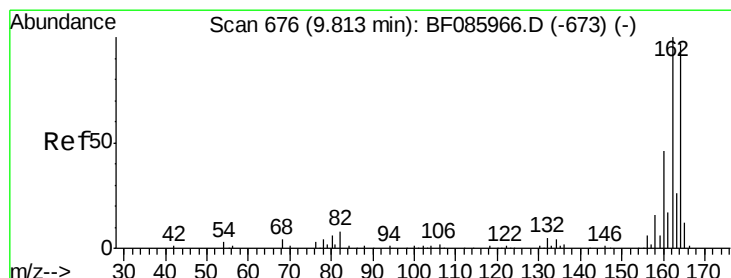
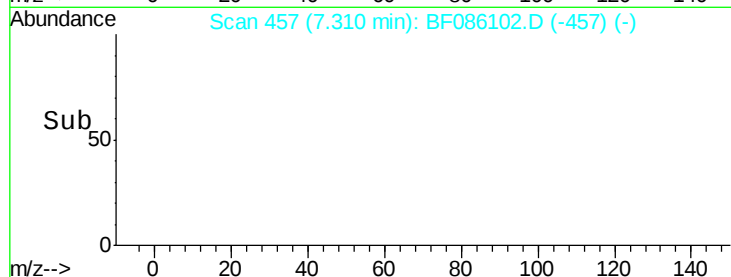
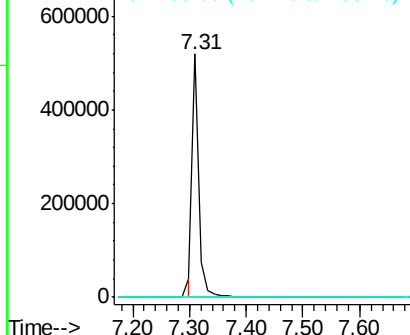
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

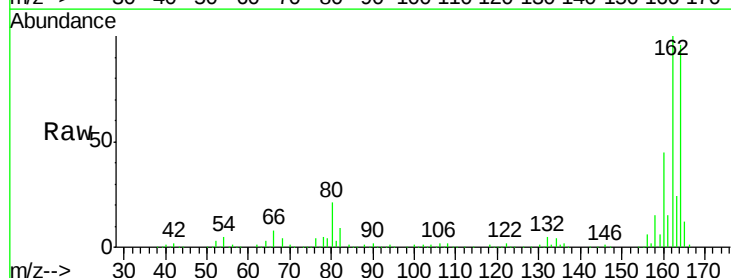
Tgt Ion: 164 Resp: 221262

Ion Ratio Lower Upper

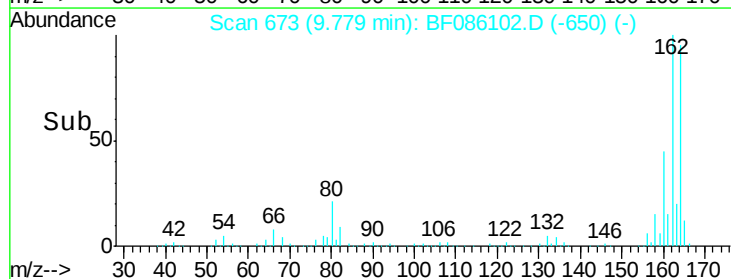
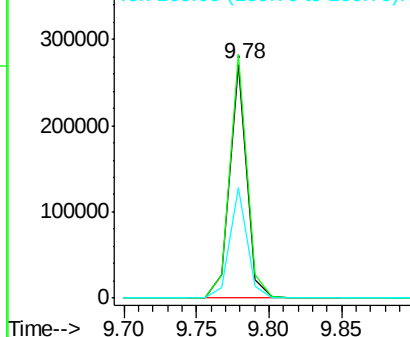
164 100

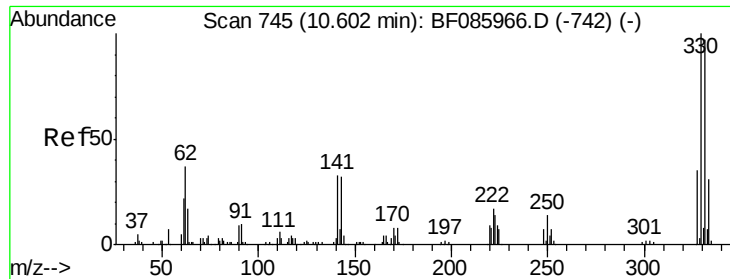
162 104.3 82.1 123.1

160 47.4 37.4 56.2



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

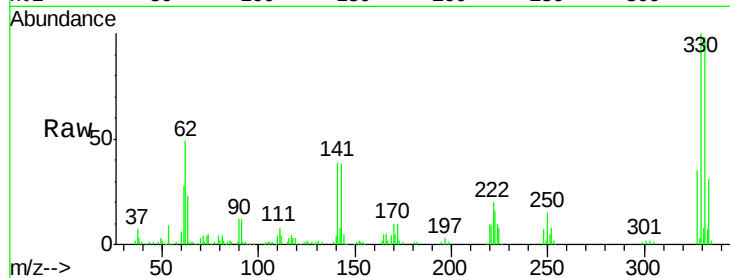




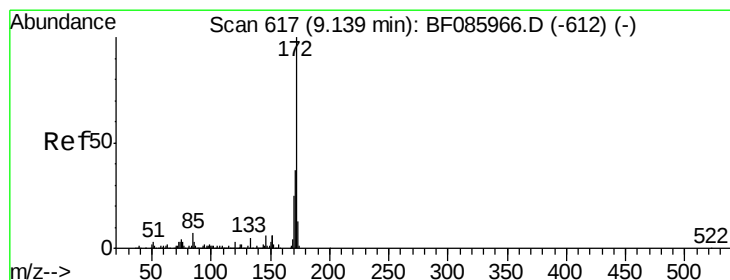
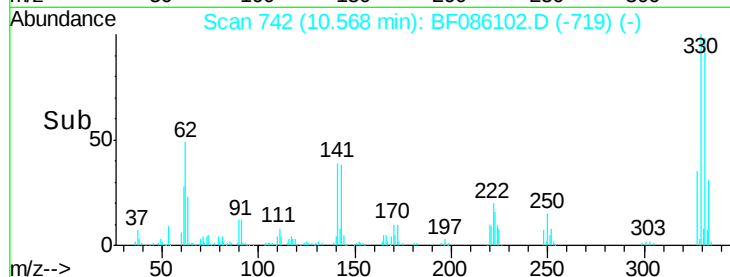
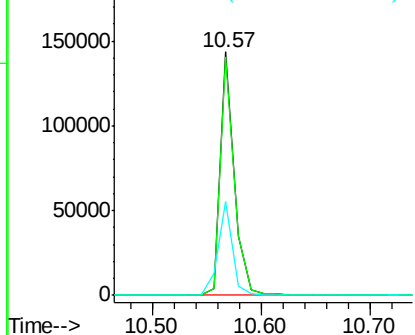
#41
 2,4,6-Tribromophenol
 Concen: 62.39 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086102.D
 Acq: 6 Apr 2016 16:56

Instrument :
 BNA_F
 ClientSampled :
 SP-14

Tgt Ion:330 Resp: 129570
 Ion Ratio Lower Upper
 330 100
 332 98.1 78.2 117.2
 141 40.3 31.5 47.3

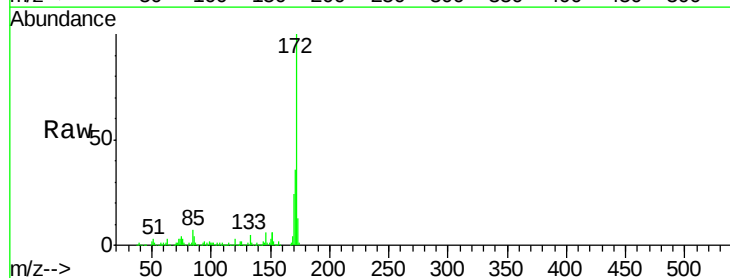


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

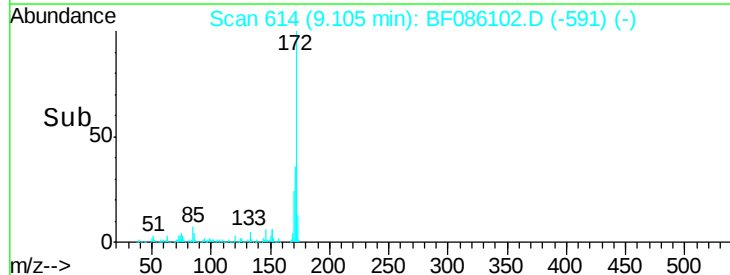
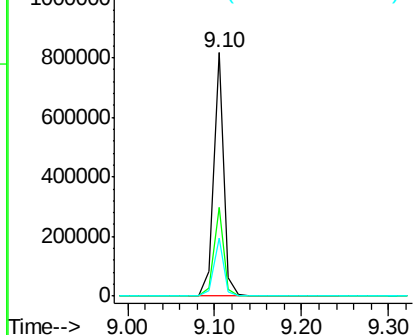


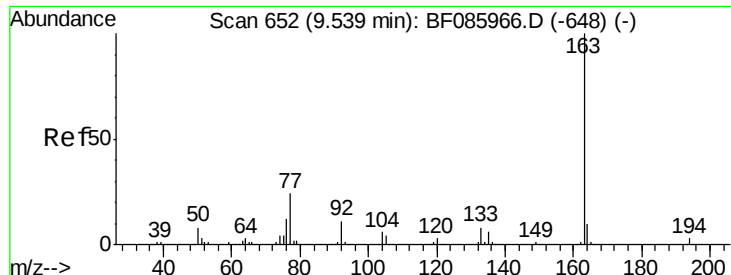
#44
 2-Fluorobiphenyl
 Concen: 50.32 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086102.D
 Acq: 6 Apr 2016 16:56

Tgt Ion:172 Resp: 669687
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.2
 170 24.0 19.8 29.6



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

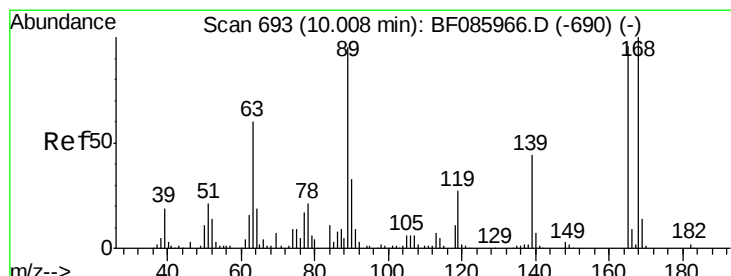
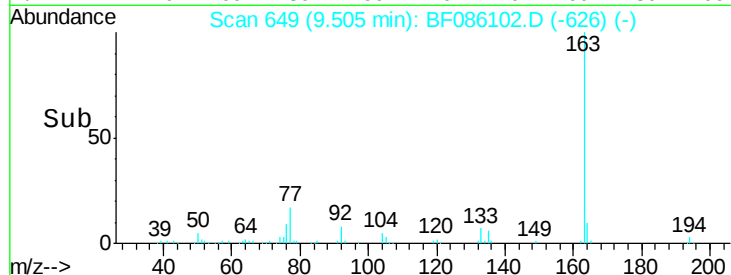
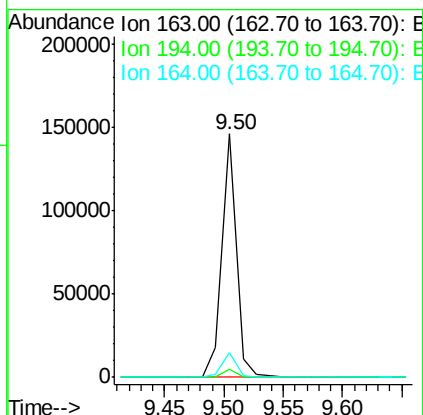
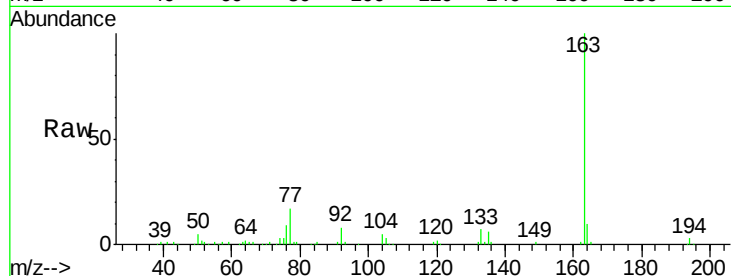




#49
Dimethylphthalate
Concen: 7.46 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086102.D
Acq: 6 Apr 2016 16:56

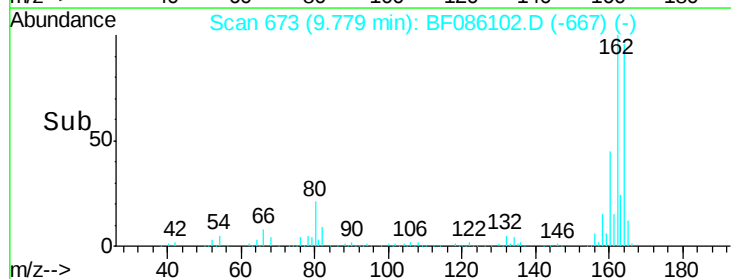
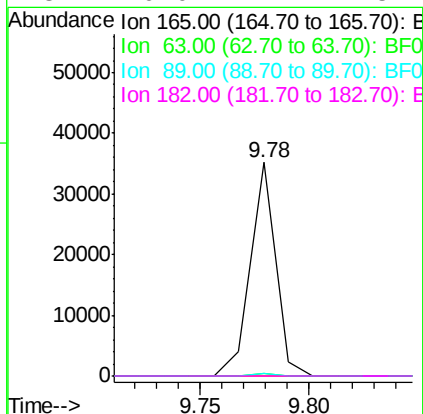
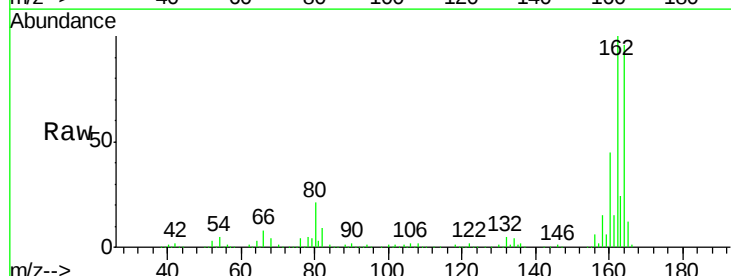
Instrument :
BNA_F
ClientSampleId :
SP-14

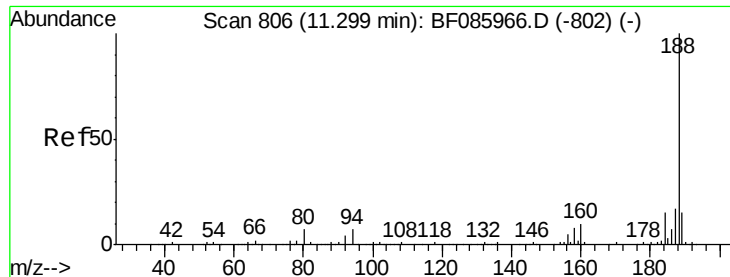
Tgt Ion:163 Resp: 122264
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 10.3 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.52 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.23 min
Lab File: BF086102.D
Acq: 6 Apr 2016 16:56

Tgt Ion:165 Resp: 28578
Ion Ratio Lower Upper
165 100
63 1.1 24.9 37.3#
89 1.5 41.0 61.6#
182 0.0 2.1 3.1#

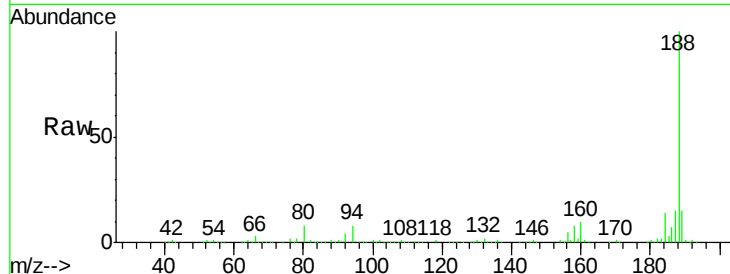




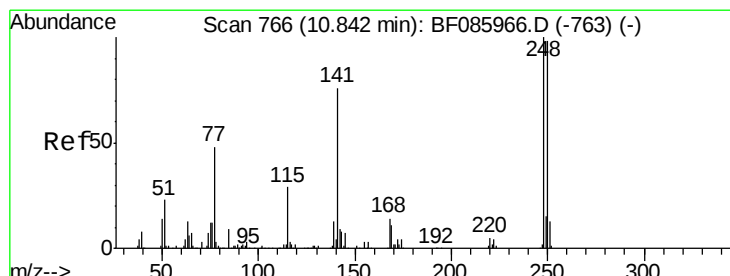
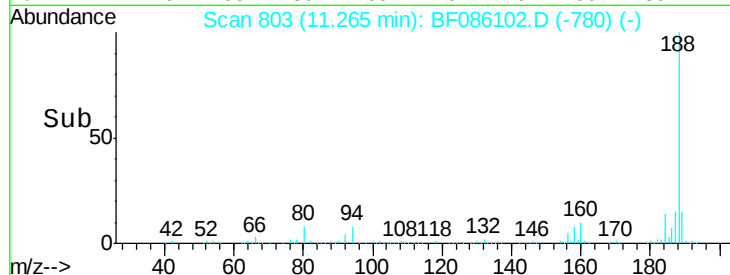
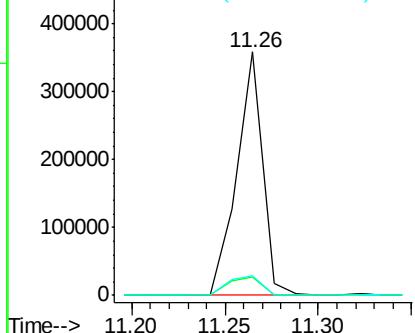
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086102.D
 Acq: 6 Apr 2016 16:56

Instrument :
 BNA_F
 ClientSampleID :
 SP-14

Tgt Ion:188 Resp: 347904
 Ion Ratio Lower Upper
 188 100
 94 7.5 5.4 8.0
 80 7.8 5.5 8.3

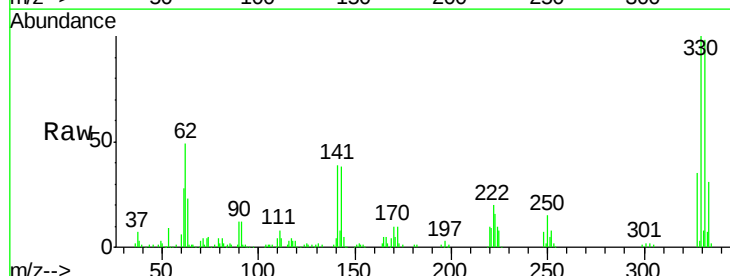


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

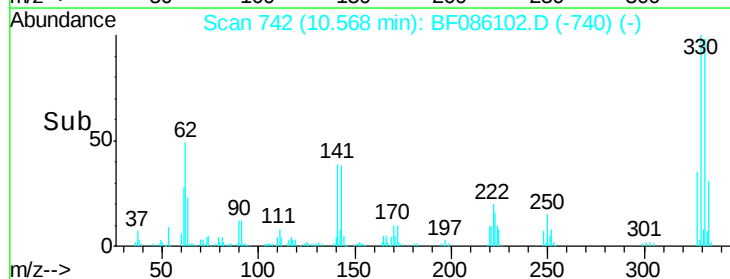
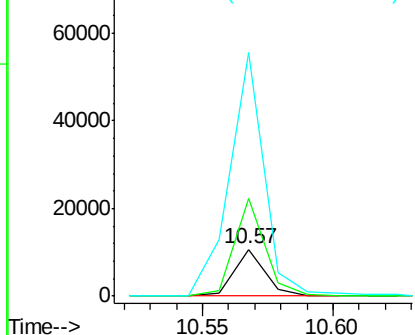


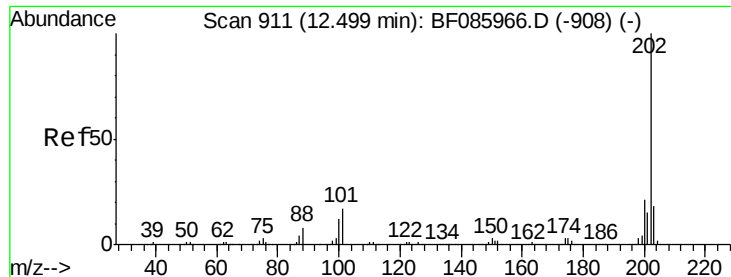
#66
 4-Bromophenyl-phenylether
 Concen: 2.51 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.27 min
 Lab File: BF086102.D
 Acq: 6 Apr 2016 16:56

Tgt Ion:248 Resp: 8914
 Ion Ratio Lower Upper
 248 100
 250 208.4 77.4 116.0#
 141 520.8 63.6 95.4#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.39 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

Instrument :

BNA_F

ClientSampleId :

SP-14

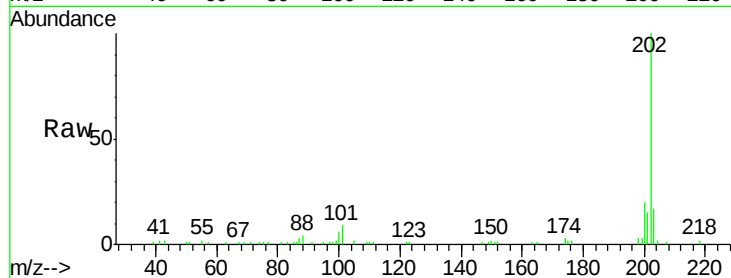
Tgt Ion:202 Resp: 47212

Ion Ratio Lower Upper

202 100

101 9.4 0.0 36.6

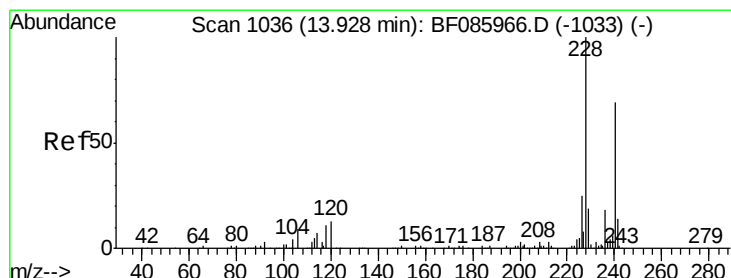
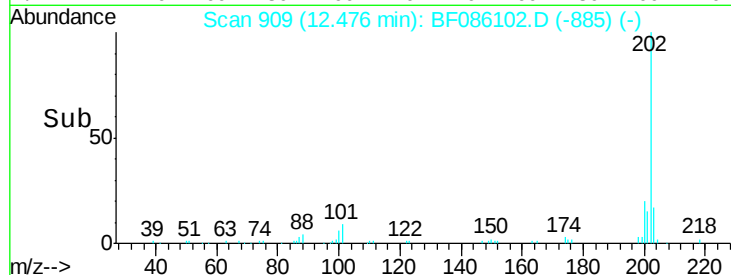
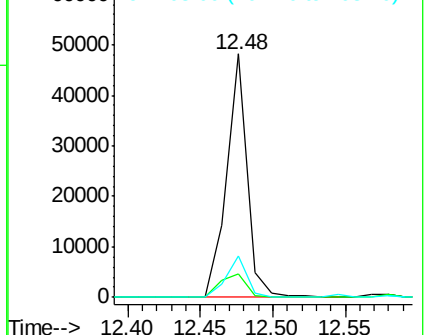
203 17.0 0.0 38.1



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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086102.D

Acq: 6 Apr 2016 16:56

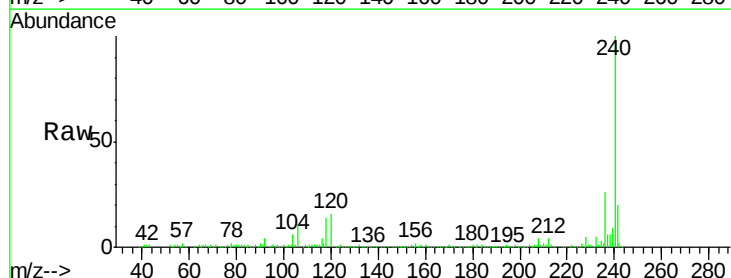
Tgt Ion:240 Resp: 287662

Ion Ratio Lower Upper

240 100

120 15.9 13.8 20.8

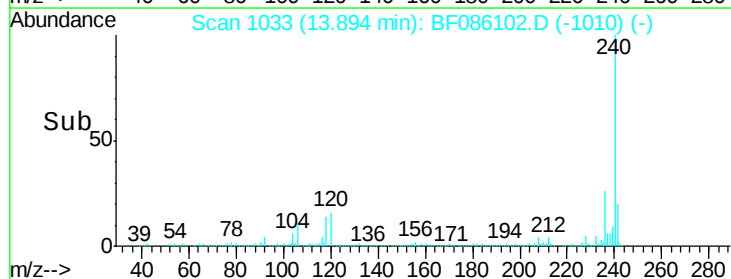
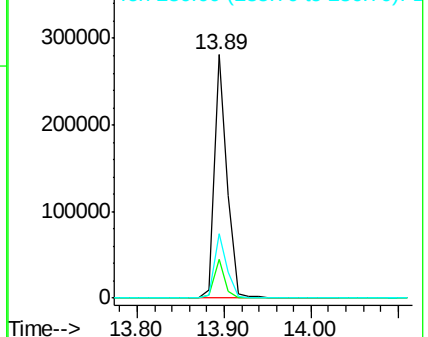
236 26.4 20.6 30.8

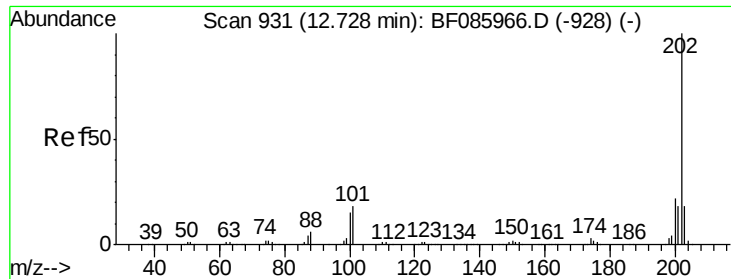


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

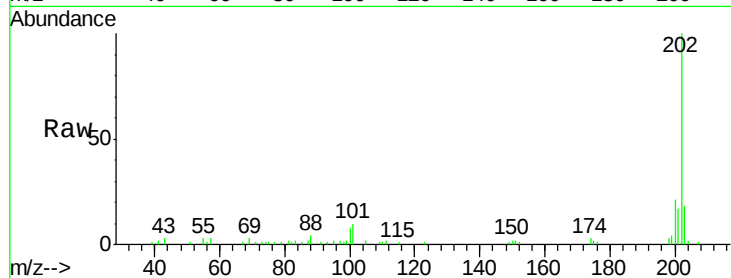




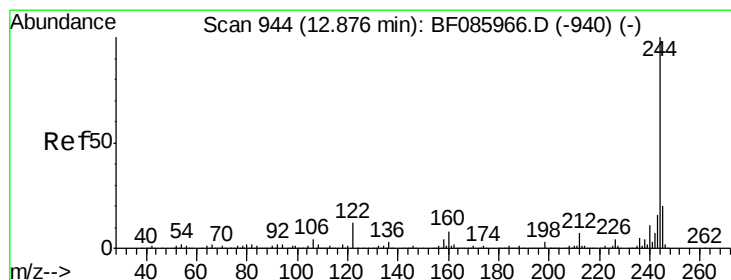
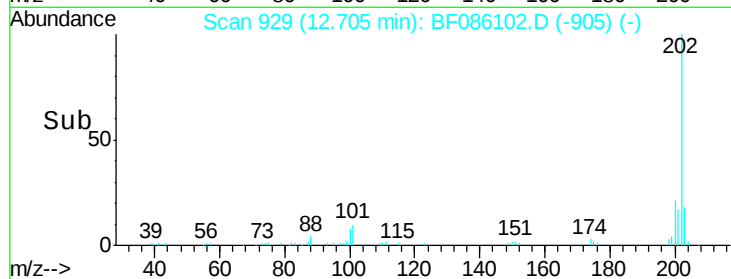
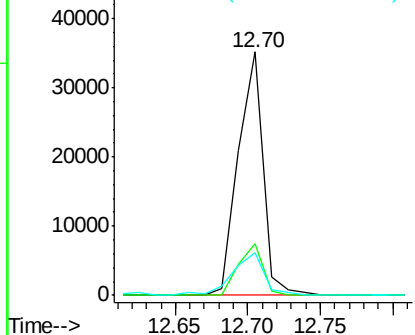
#77
 Pyrene
 Concen: 2.06 ng
 RT: 12.70 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: BF086102.D
 Acq: 6 Apr 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-14

Tgt Ion: 202 Resp: 41819
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.6 26.4
 203 17.5 14.0 21.0

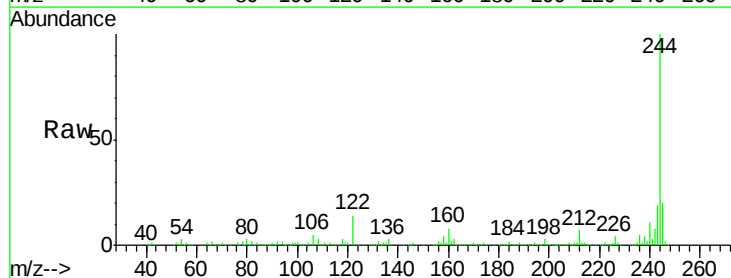


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

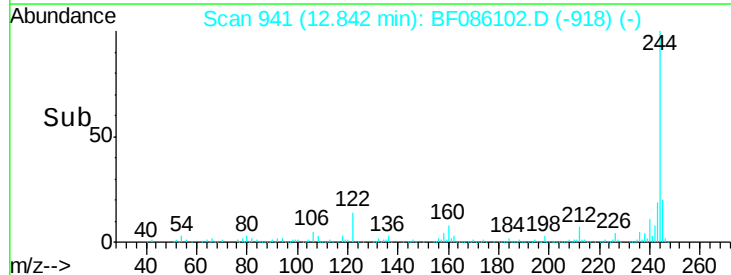
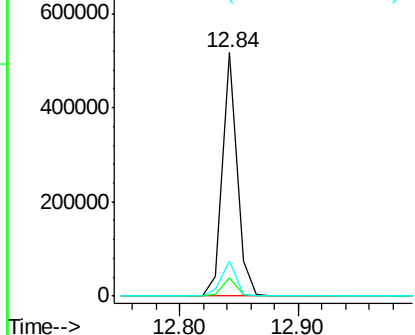


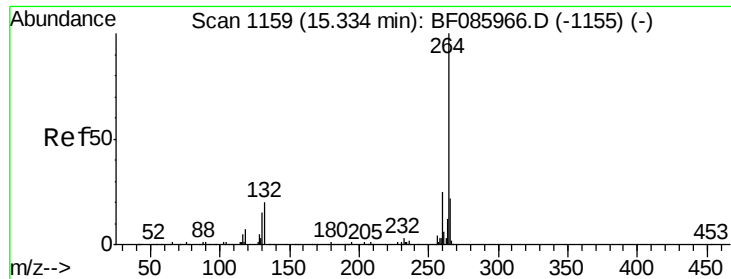
#78
 Terphenyl-d14
 Concen: 35.63 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: BF086102.D
 Acq: 6 Apr 2016 16:56

Tgt Ion: 244 Resp: 435967
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 14.1 10.2 15.4



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

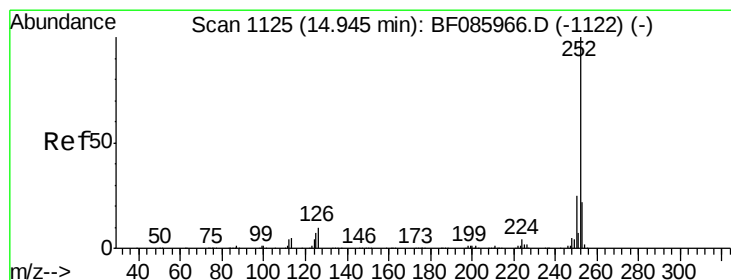
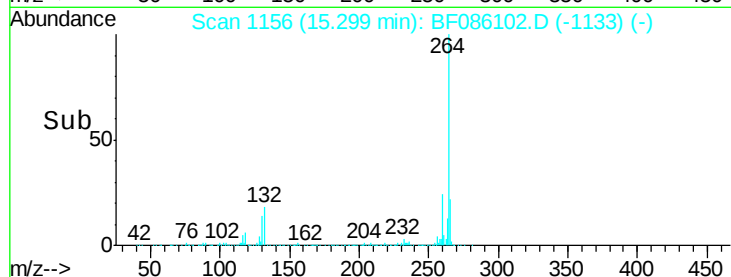
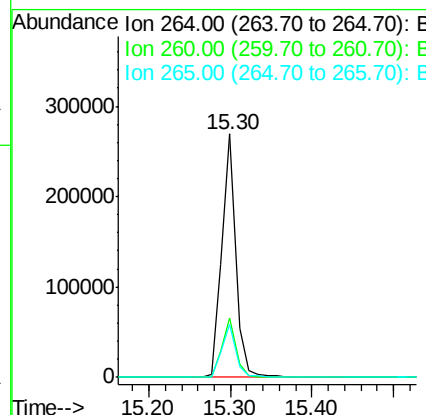
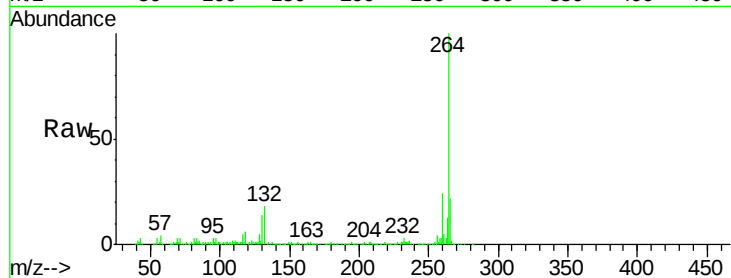




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086102.D
Acq: 6 Apr 2016 16:56

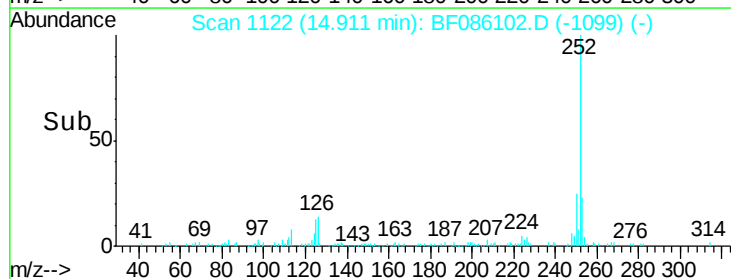
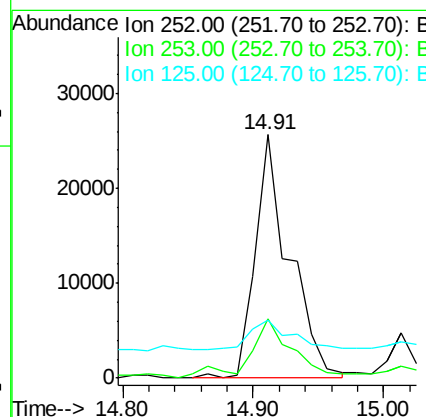
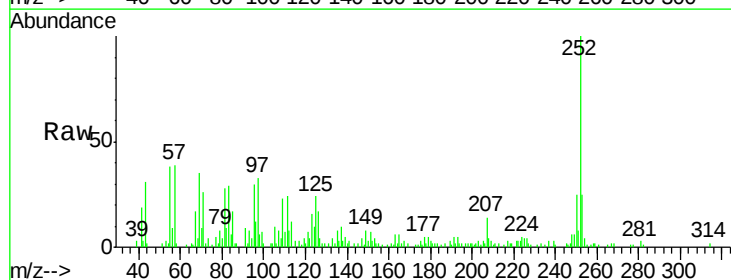
Instrument :
BNA_F
ClientSampleId :
SP-14

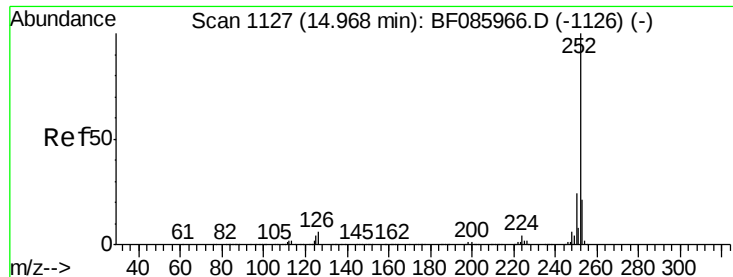
Tgt Ion:264 Resp: 322217
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.31 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086102.D
Acq: 6 Apr 2016 16:56

Tgt Ion:252 Resp: 46796
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 23.8 10.3 15.5#

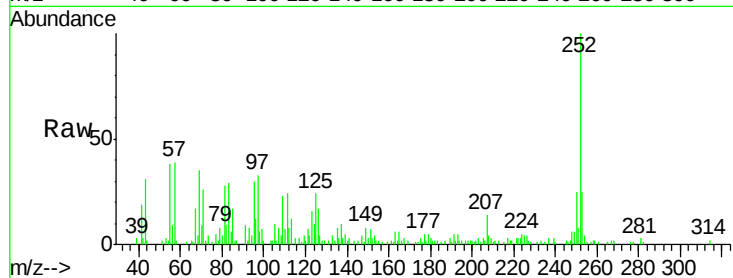




#88
 Benzo(k)fluoranthene
 Concen: 2.61 ng
 RT: 14.91 min Scan# 1122
 Delta R.T. -0.06 min
 Lab File: BF086102.D
 Acq: 6 Apr 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	23.8	7.7	11.5



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

