

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
 Data File : BF088704.D
 Acq On : 5 Jul 2016 15:45
 Operator : UM/SJ
 Sample : H3836-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-062716

Quant Time: Jul 05 17:12:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

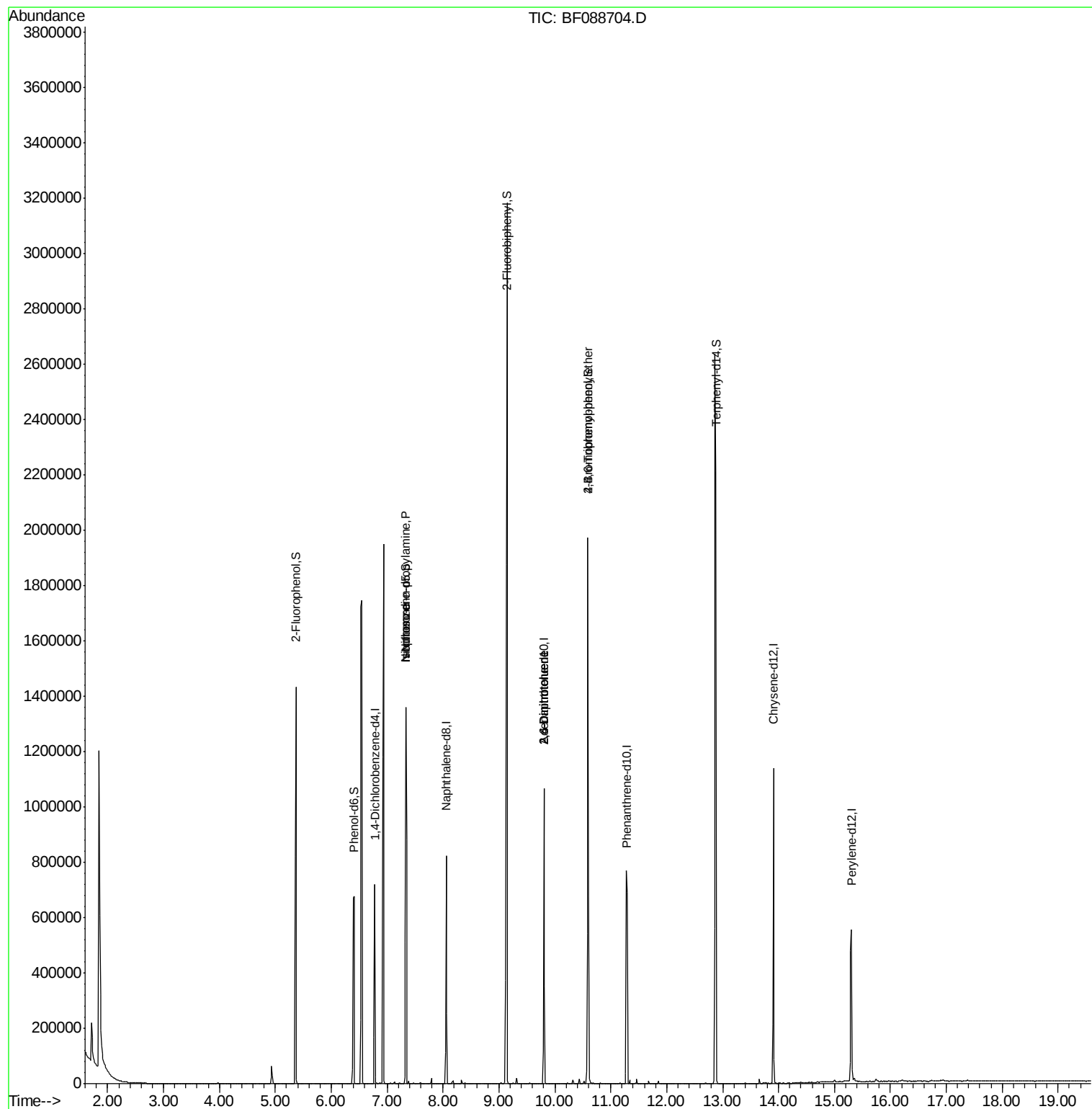
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	103957	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	398941	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	195659	20.00	ng	-0.05
63) Phenanthrene-d10	11.29	188	407646	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	340929	20.00	ng	-0.05
86) Perylene-d12	15.30	264	283323	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	466512	67.26	ng	-0.03
7) Phenol-d6	6.41	99	373868	41.71	ng	-0.03
23) Nitrobenzene-d5	7.34	82	677266	88.97	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	289757	159.48	ng	-0.05
44) 2-Fluorobiphenyl	9.14	172	1236047	99.79	ng	-0.03
78) Terphenyl-d14	12.88	244	1231212	80.44	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	89479	14.86	ng	# 73
25) Isophorone	7.34	82	546439	38.75	ng	# 65
50) 2,6-Dinitrotoluene	9.80	165	24775	8.02	ng	# 43
56) 2,4-Dinitrotoluene	9.80	165	24776	6.13	ng	# 41
66) 4-Bromophenyl-phenylether	10.59	248	17102	4.16	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

Instrument :

BNA_F

ClientSampleId :

FB-062716

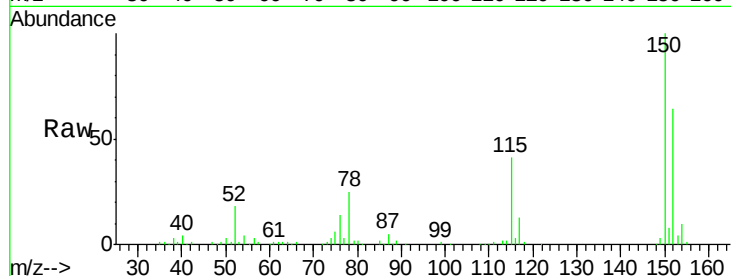
Tgt Ion:152 Resp: 103957

Ion Ratio Lower Upper

152 100

150 156.0 123.8 185.6

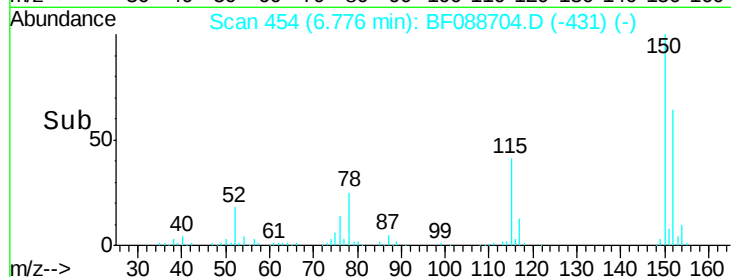
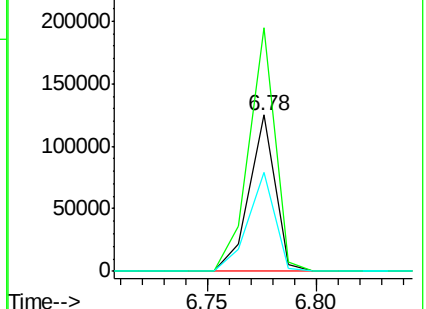
115 63.6 39.6 59.4#



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: 67.26 ng

RT: 5.37 min Scan# 331

Delta R.T. -0.03 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

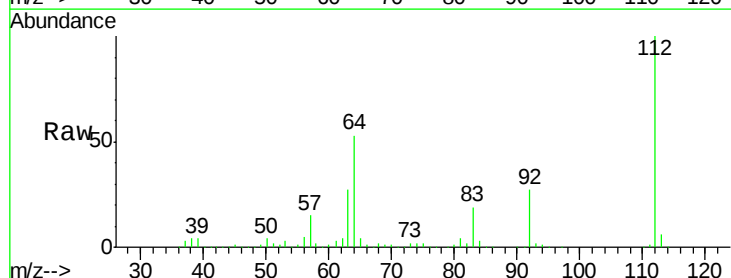
Tgt Ion:112 Resp: 466512

Ion Ratio Lower Upper

112 100

64 52.7 42.2 63.2

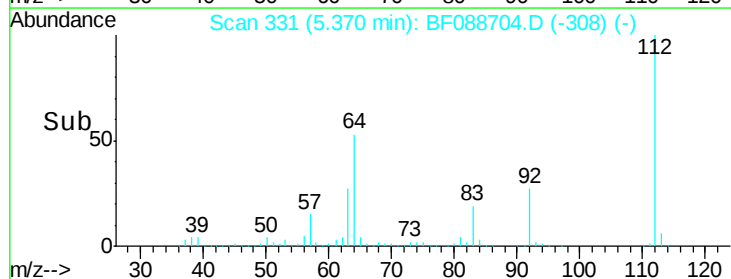
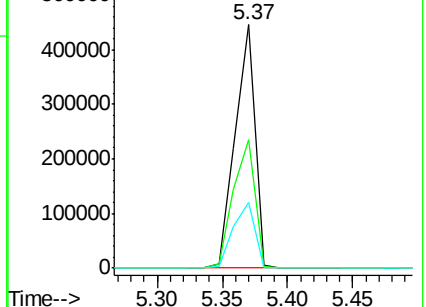
63 27.2 21.8 32.8

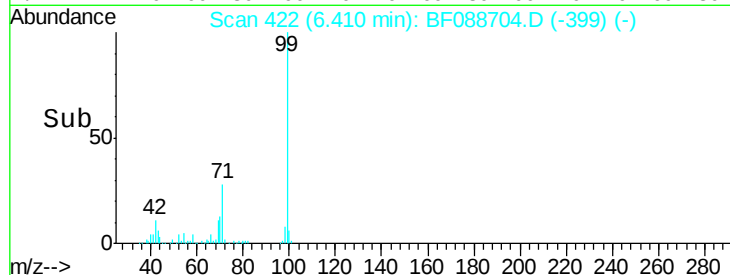
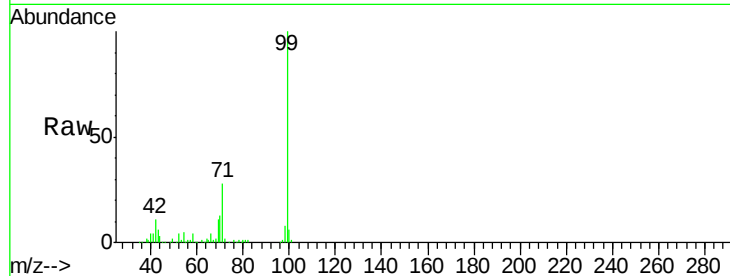
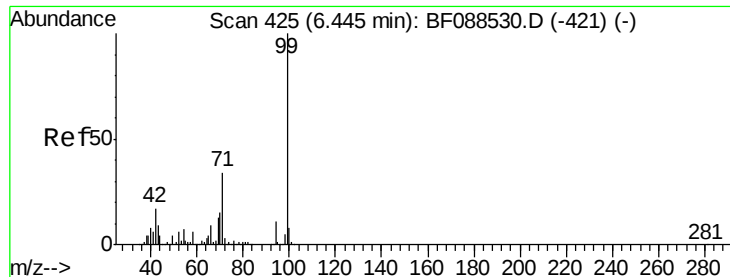


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.71 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.03 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

Instrument :

BNA_F

ClientSampleId :

FB-062716

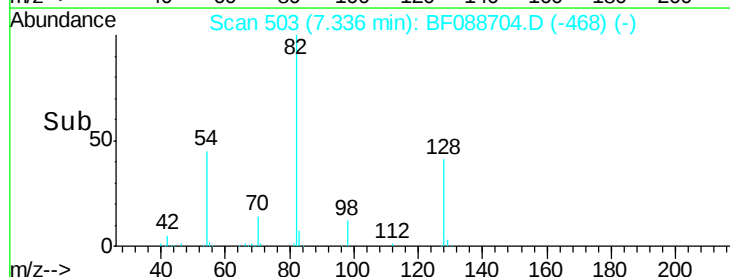
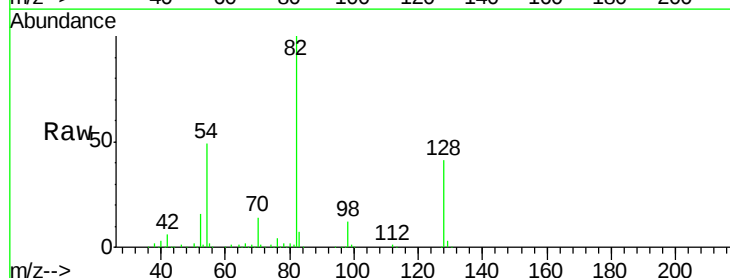
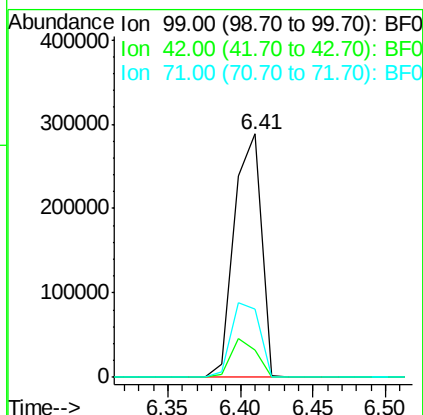
Tgt Ion: 99 Resp: 373868

Ion Ratio Lower Upper

99 100

42 11.2 12.2 18.2#

71 28.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.86 ng

RT: 7.34 min Scan# 503

Delta R.T. 0.10 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

Tgt Ion: 70 Resp: 89479

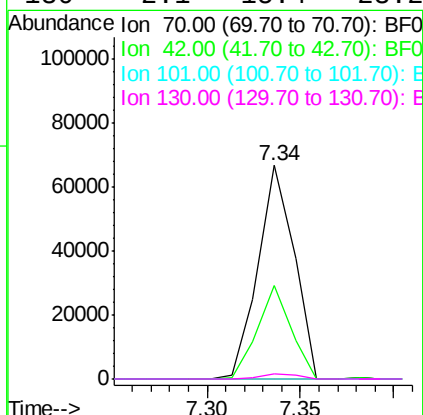
Ion Ratio Lower Upper

70 100

42 43.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.05 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

Instrument :

BNA_F

ClientSampleId :

FB-062716

Tgt Ion:136 Resp: 398941

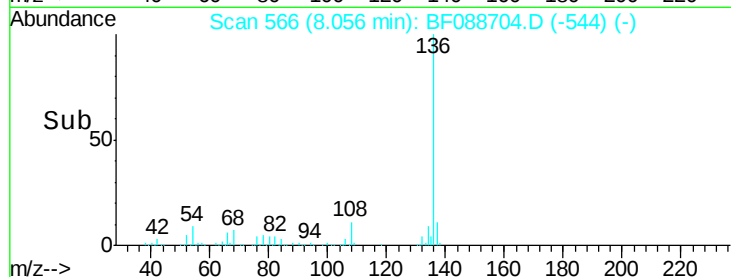
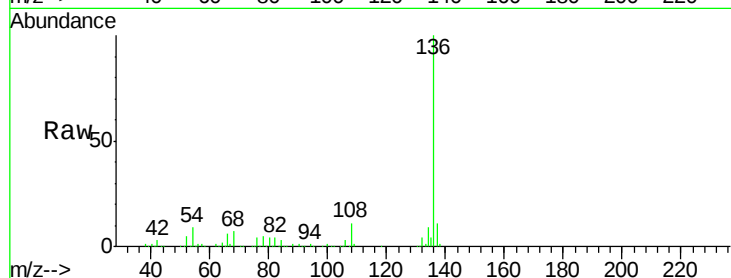
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.1 6.6 10.0

68 7.4 5.1 7.7

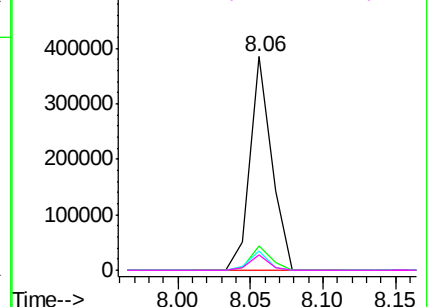


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 88.97 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.05 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

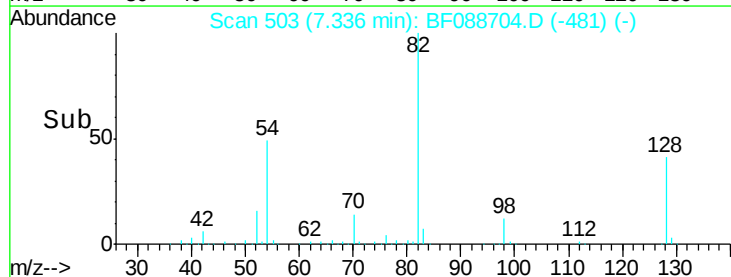
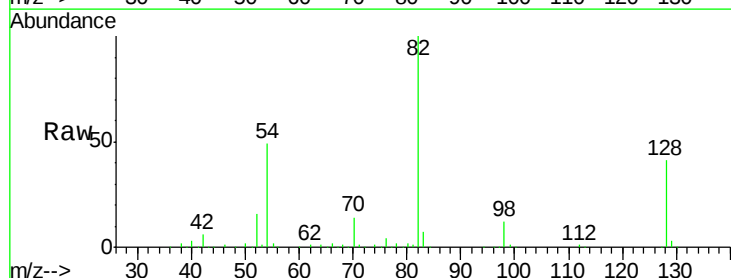
Tgt Ion: 82 Resp: 677266

Ion Ratio Lower Upper

82 100

128 41.1 35.9 53.9

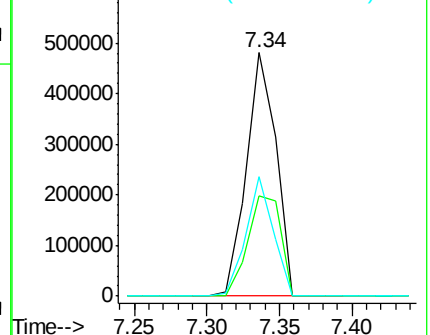
54 49.0 40.9 61.3

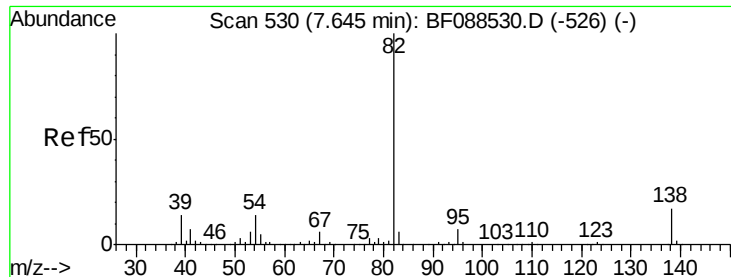


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.75 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.31 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

Instrument :

BNA_F

ClientSampleId :

FB-062716

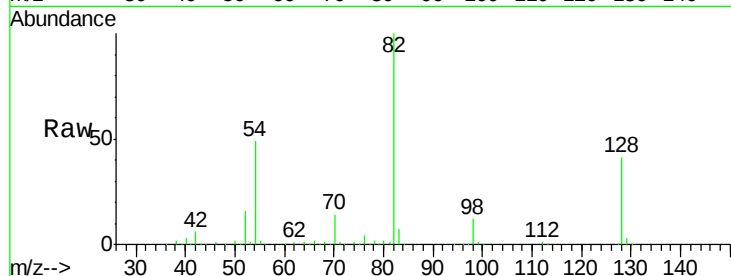
Tgt Ion: 82 Resp: 546439

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#

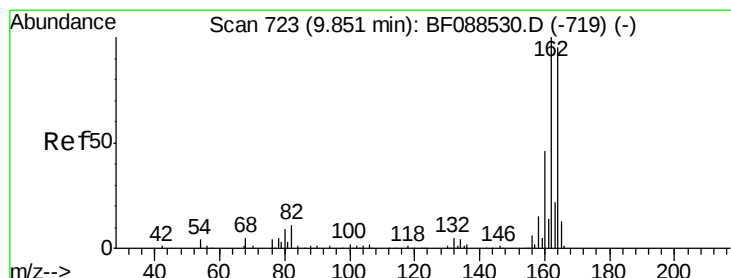
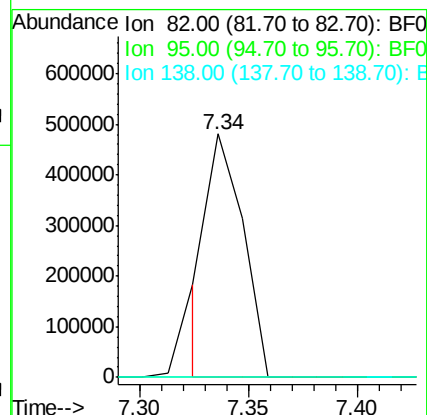
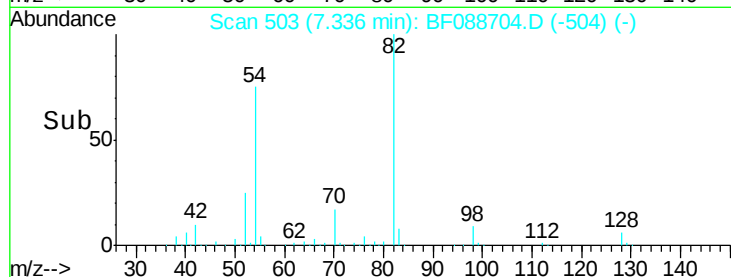


Abundance Ion 82.00 (81.70 to 82.70): BF088530.D (-526) (-)

Ion 95.00 (94.70 to 95.70): BF088530.D (-526) (-)

Ion 138.00 (137.70 to 138.70): BF088530.D (-526) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

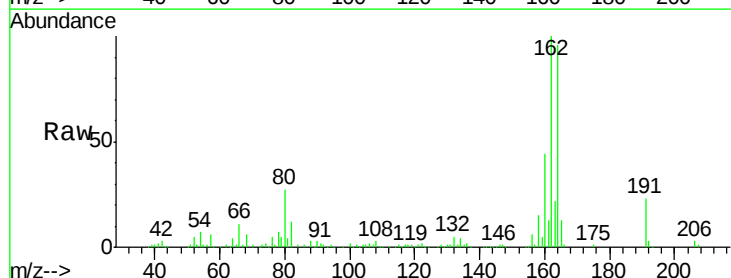
Tgt Ion: 164 Resp: 195659

Ion Ratio Lower Upper

164 100

162 104.2 85.4 128.2

160 46.1 39.5 59.3

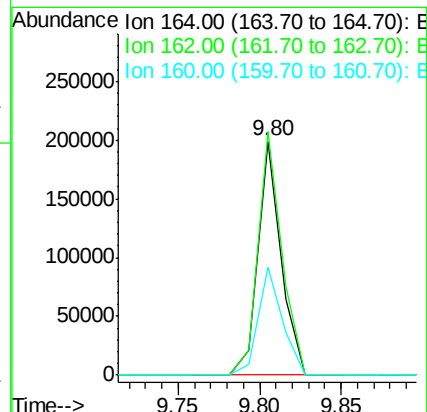
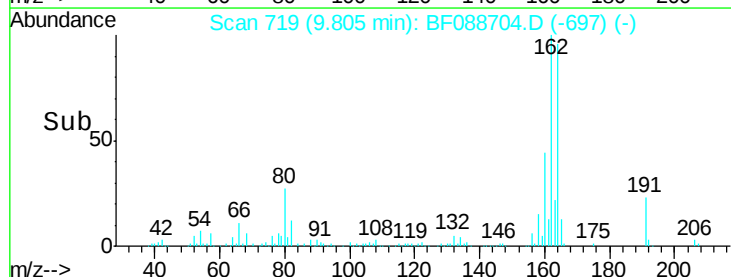


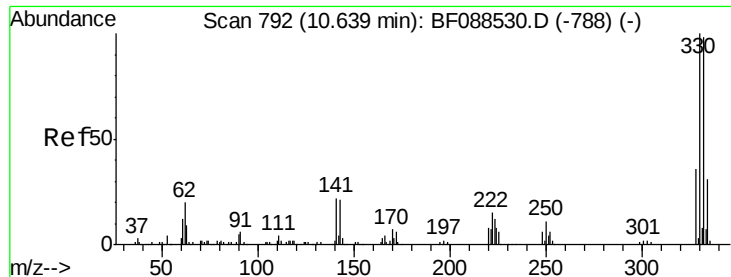
Abundance Ion 164.00 (163.70 to 164.70): BF088530.D (-719) (-)

Ion 162.00 (161.70 to 162.70): BF088530.D (-719) (-)

Ion 160.00 (159.70 to 160.70): BF088530.D (-719) (-)

Time-->

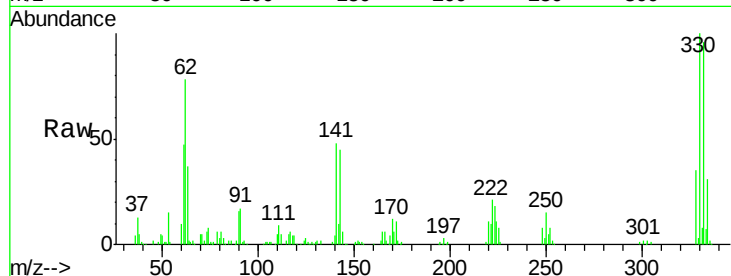




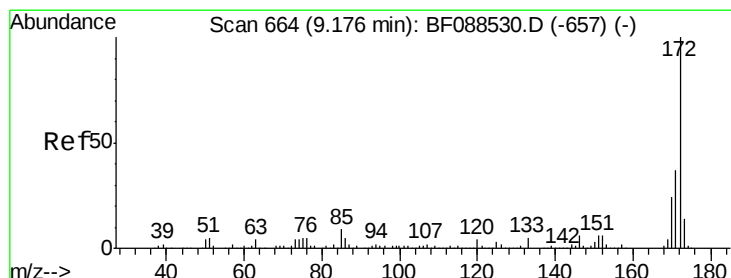
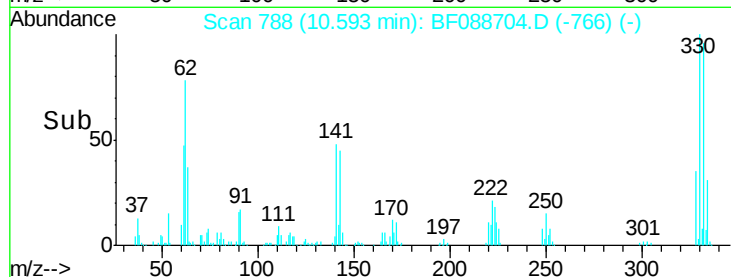
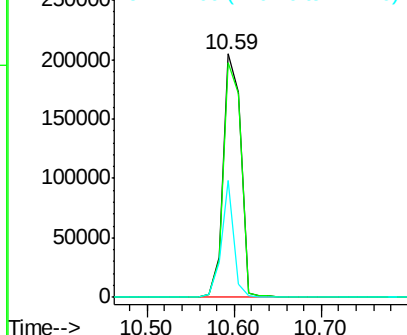
#41
 2,4,6-Tribromophenol
 Concen: 159.48 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.05 min
 Lab File: BF088704.D
 Acq: 5 Jul 2016 15:45

Instrument :
 BNA_F
 ClientSampleId :
 FB-062716

Tgt Ion:330 Resp: 289757
 Ion Ratio Lower Upper
 330 100
 332 97.3 0.0 0.0#
 141 34.0 0.0 0.0#

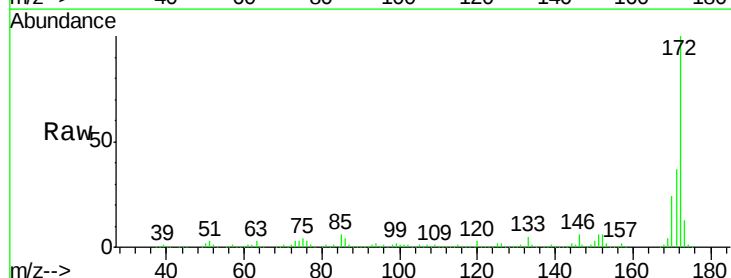


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

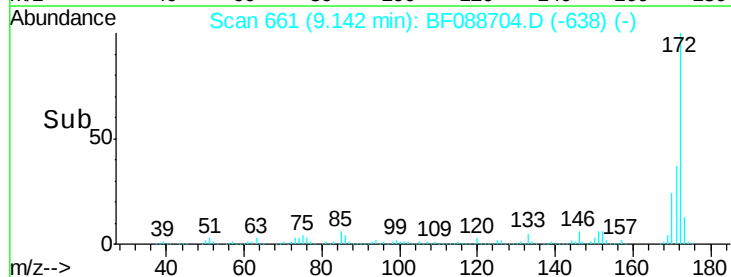
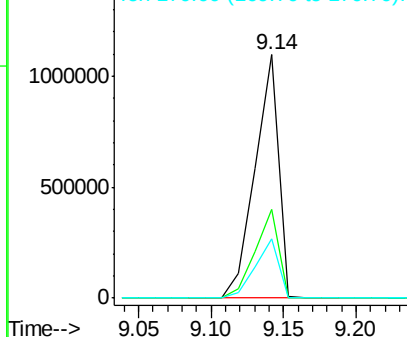


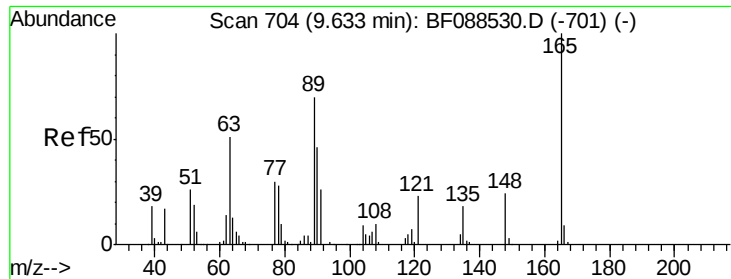
#44
 2-Fluorobiphenyl
 Concen: 99.79 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF088704.D
 Acq: 5 Jul 2016 15:45

Tgt Ion:172 Resp: 1236047
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.3 19.2 28.8



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

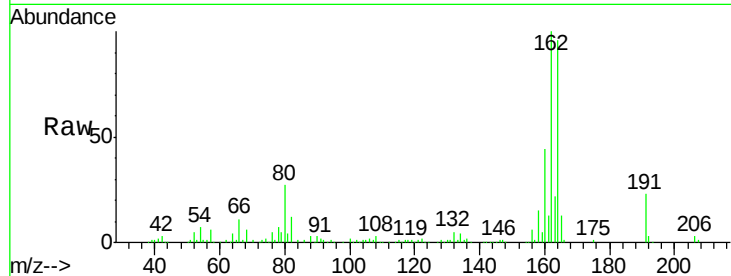




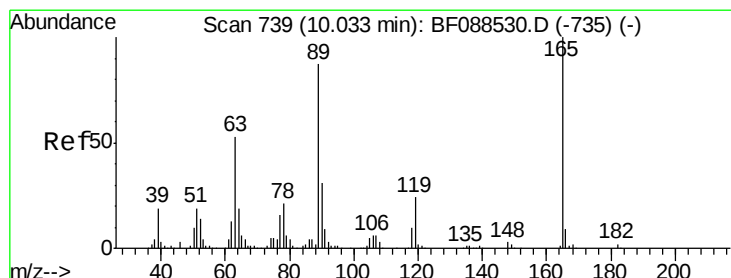
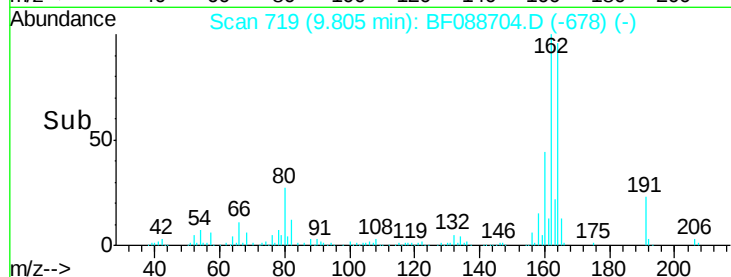
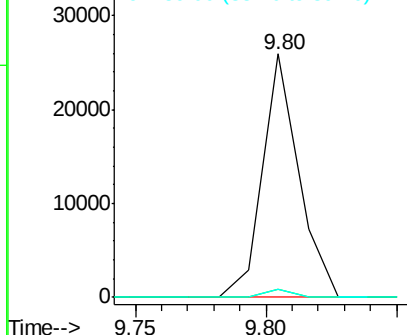
#50
 2,6-Dinitrotoluene
 Concen: 8.02 ng
 RT: 9.80 min Scan# 719
 Delta R.T. 0.17 min
 Lab File: BF088704.D
 Acq: 5 Jul 2016 15:45

Instrument :
 BNA_F
 ClientSampleId :
 FB-062716

Tgt Ion:165 Resp: 24775
 Ion Ratio Lower Upper
 165 100
 63 3.4 28.1 42.1#
 89 3.2 32.2 48.2#



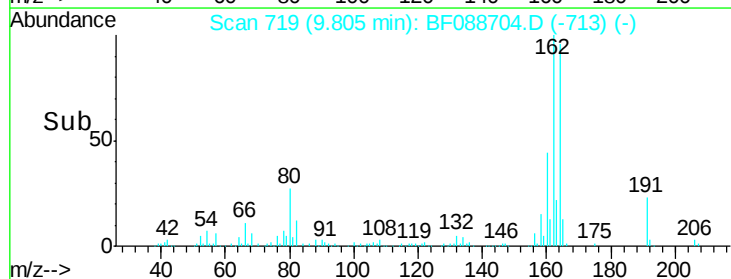
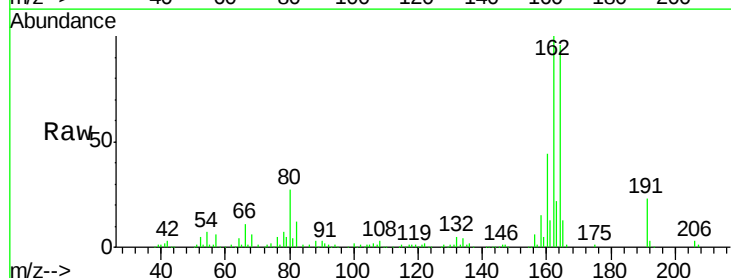
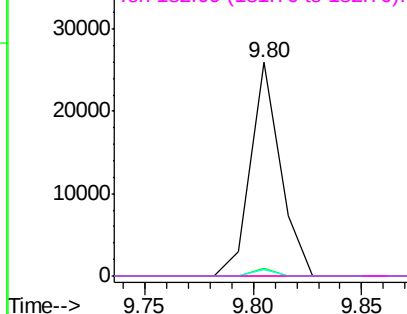
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

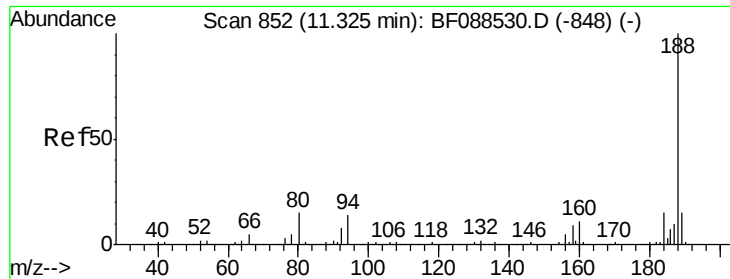


#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.23 min
 Lab File: BF088704.D
 Acq: 5 Jul 2016 15:45

Tgt Ion:165 Resp: 24776
 Ion Ratio Lower Upper
 165 100
 63 3.4 22.0 33.0#
 89 3.2 41.1 61.7#
 182 0.0 2.0 3.0#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

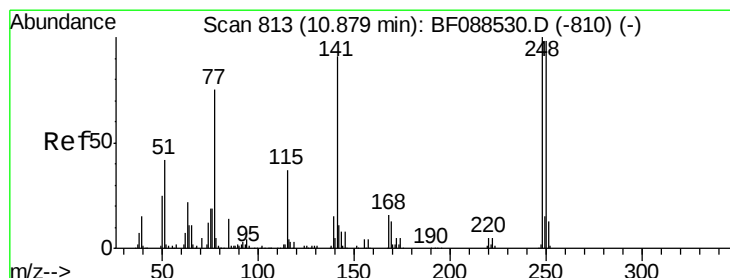
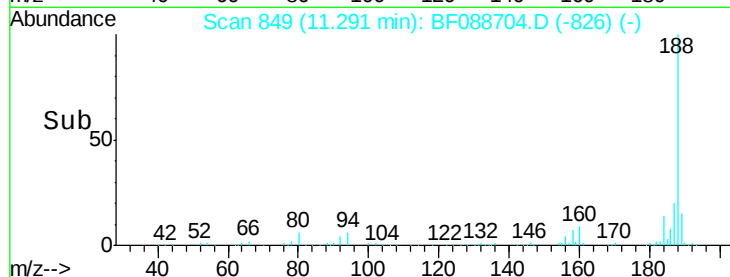
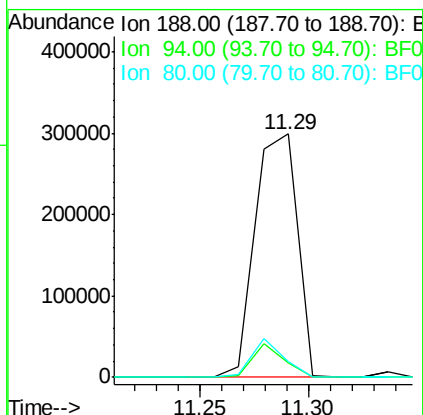
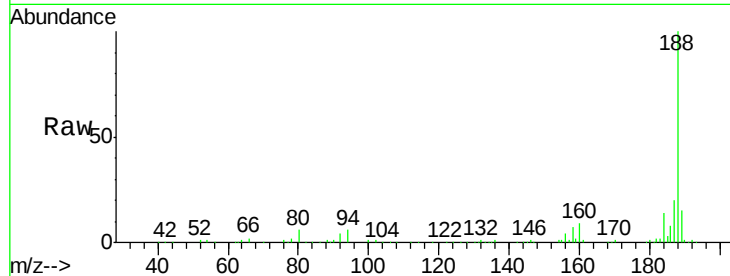




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.03 min
 Lab File: BF088704.D
 Acq: 5 Jul 2016 15:45

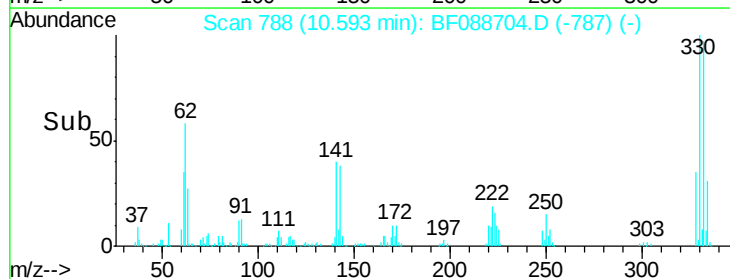
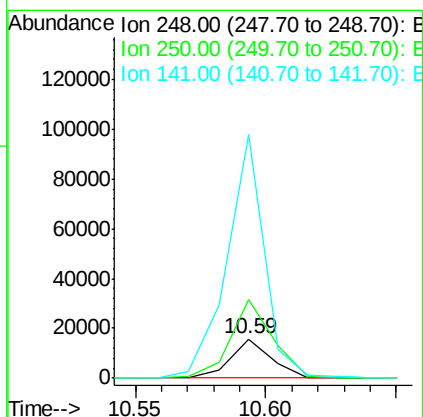
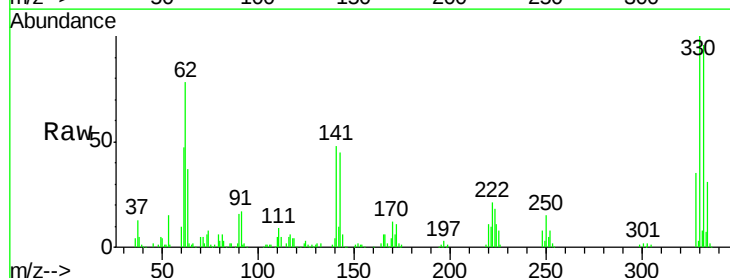
Instrument :
 BNA_F
 ClientSampleId :
 FB-062716

Tgt Ion:188 Resp: 407646
 Ion Ratio Lower Upper
 188 100
 94 5.9 9.0 13.6#
 80 6.4 10.0 15.0#



#66
 4-Bromophenyl-phenylether
 Concen: 4.16 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.29 min
 Lab File: BF088704.D
 Acq: 5 Jul 2016 15:45

Tgt Ion:248 Resp: 17102
 Ion Ratio Lower Upper
 248 100
 250 199.8 77.1 115.7#
 141 622.7 50.6 76.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.05 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

Instrument :

BNA_F

ClientSampleId :

FB-062716

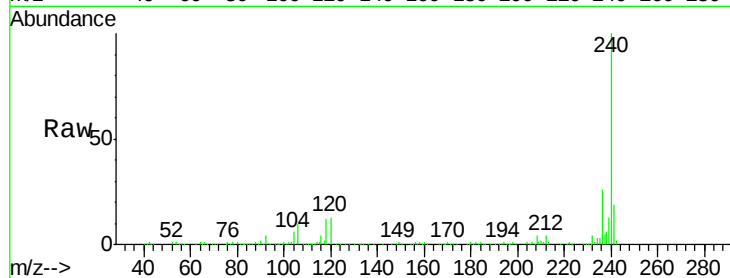
Tgt Ion:240 Resp: 340929

Ion Ratio Lower Upper

240 100

120 13.2 6.8 10.2#

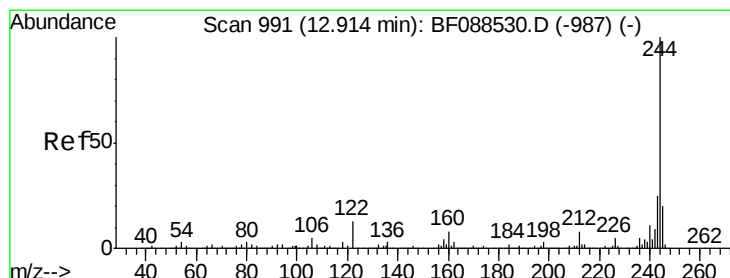
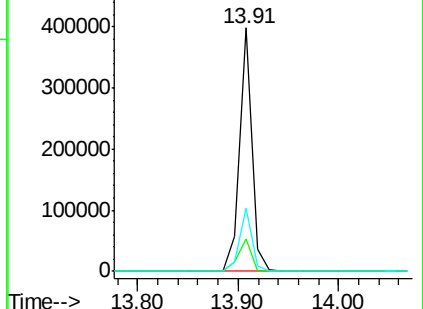
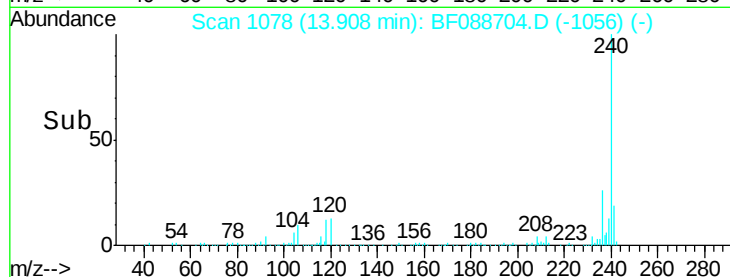
236 26.2 20.2 30.2



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: 80.44 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088704.D

Acq: 5 Jul 2016 15:45

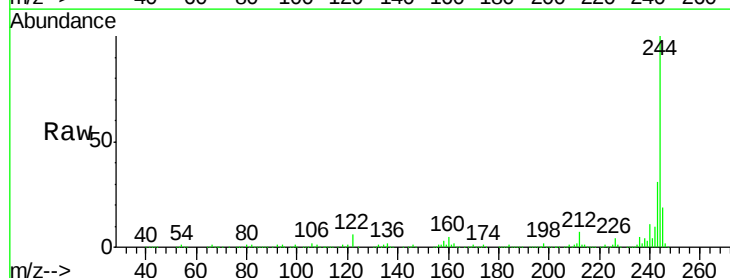
Tgt Ion:244 Resp: 1231212

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

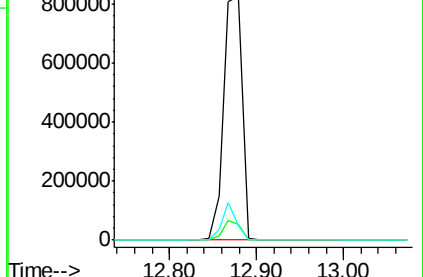
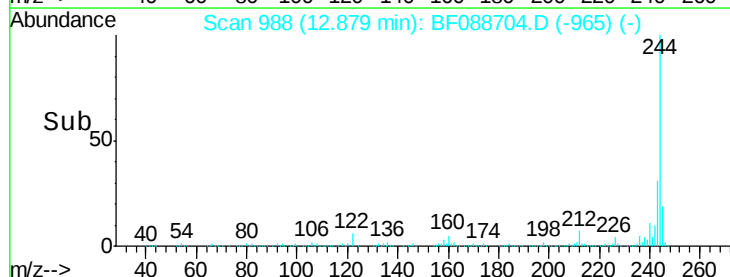
122 5.8 11.2 16.8#

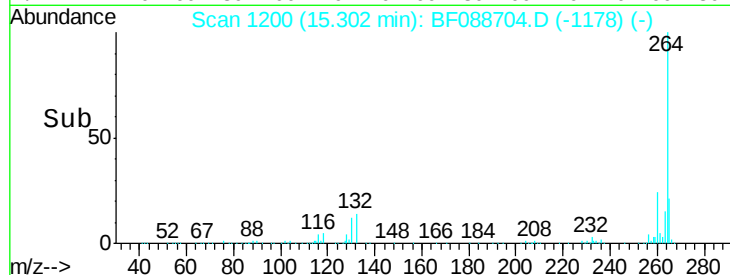
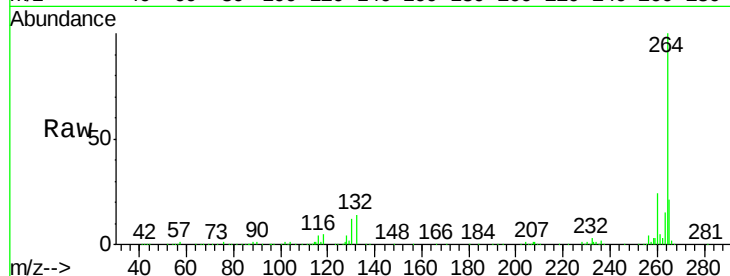
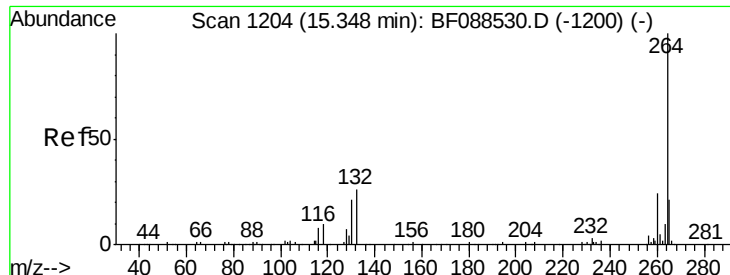


Abundance Ion 244.00 (243.70 to 244.70): E

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# 1200
Delta R.T. -0.05 min
Lab File: BF088704.D
Acq: 5 Jul 2016 15:45

Instrument :
BNA_F
ClientSampleId :
FB-062716

Tgt Ion: 264 Resp: 283323
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.3 16.9 25.3

