

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088970.D
 Acq On : 13 Jul 2016 21:08
 Operator : UM/SJ
 Sample : H3988-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-6

Quant Time: Jul 14 01:15:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

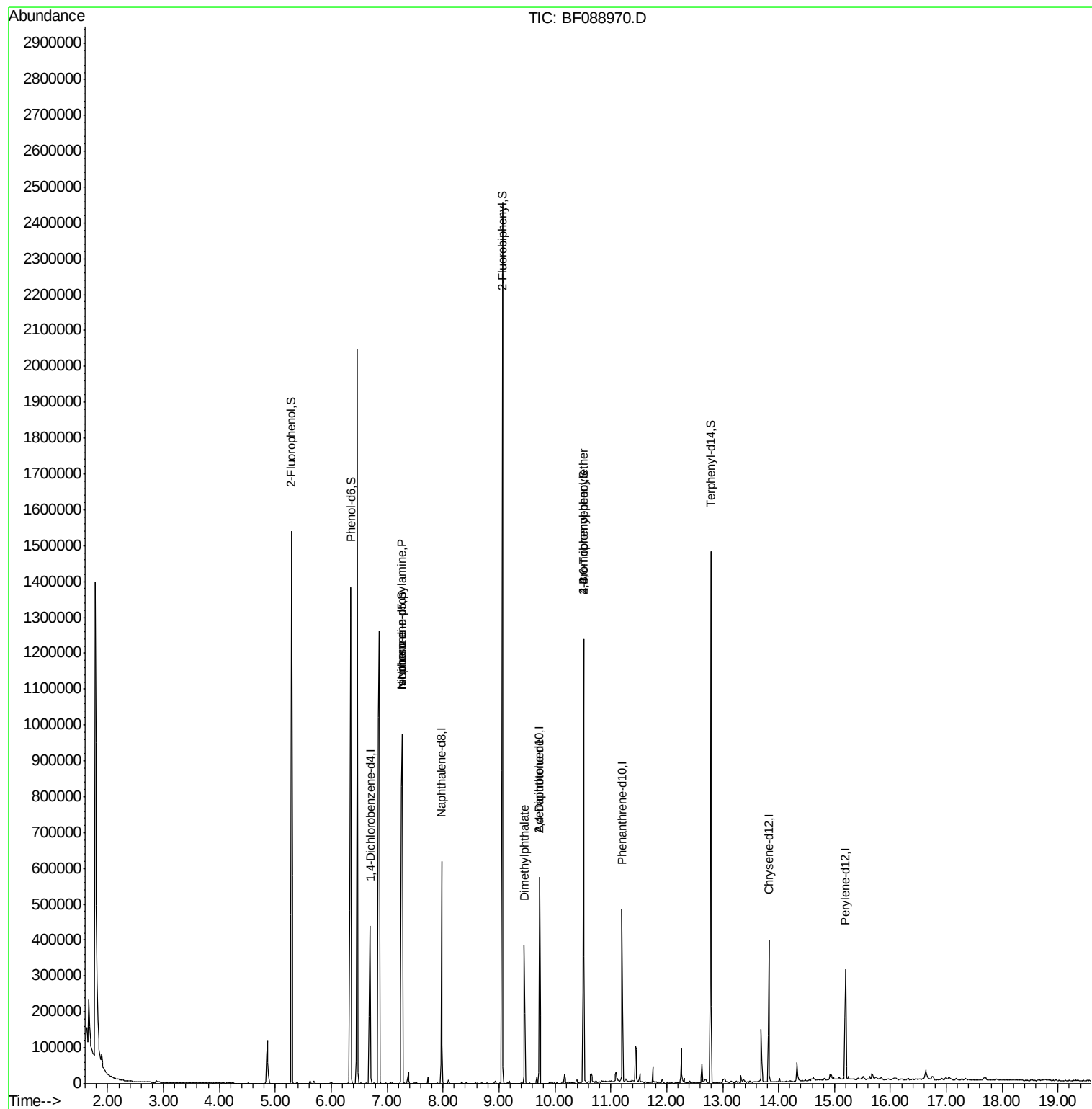
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	70400	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	263065	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	112330	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	188573	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	130305	20.00	ng	-0.02
86) Perylene-d12	15.20	264	132782	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	526696	112.13	ng	0.00
7) Phenol-d6	6.35	99	799117	131.66	ng	0.00
23) Nitrobenzene-d5	7.27	82	491977	98.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	153449	147.11	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	757182	106.47	ng	-0.01
78) Terphenyl-d14	12.79	244	422874	72.28	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	66475	16.30	ng	# 67
25) Isophorone	7.27	82	437427	47.04	ng	# 65
49) Dimethylphthalate	9.45	163	185095	23.13	ng	99
56) 2,4-Dinitrotoluene	9.72	165	14750	6.36	ng	# 37
66) 4-Bromophenyl-phenylether	10.51	248	10051	5.29	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: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Instrument :

BNA_F

ClientSampleId :

C4.2-6

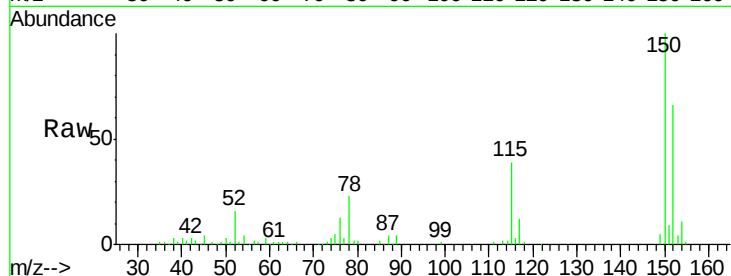
Tgt Ion:152 Resp: 70400

Ion Ratio Lower Upper

152 100

150 151.0 123.8 185.6

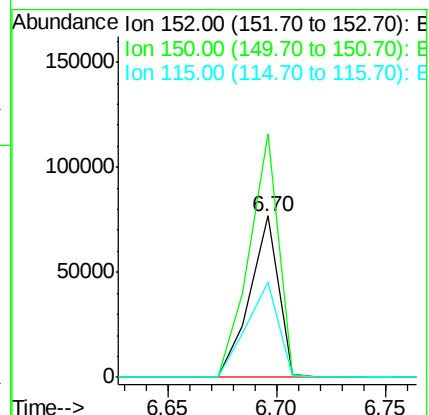
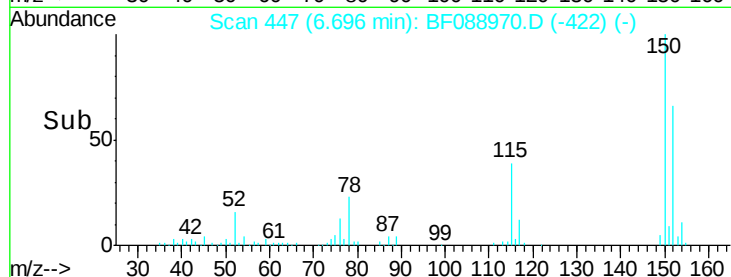
115 58.7 39.6 59.4



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: 112.13 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.00 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

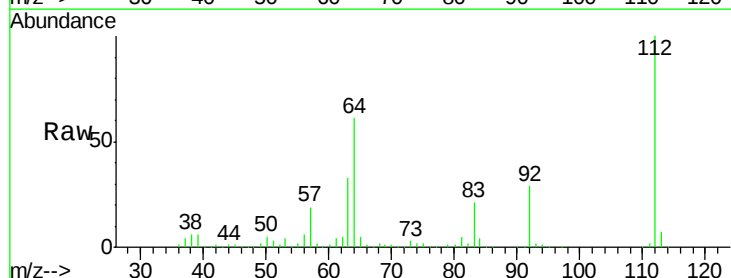
Tgt Ion:112 Resp: 526696

Ion Ratio Lower Upper

112 100

64 60.5 42.2 63.2

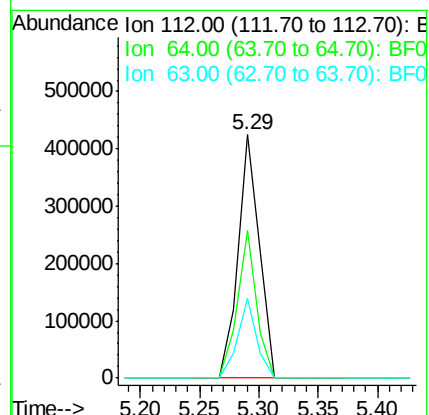
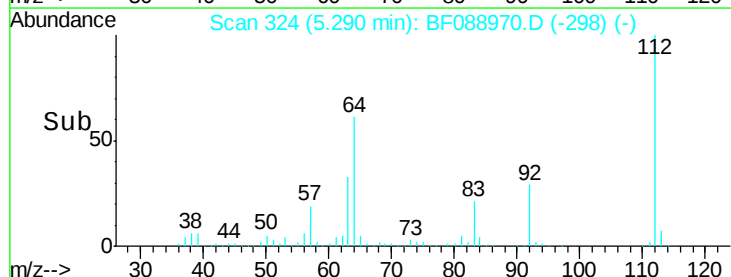
63 32.8 21.8 32.8#

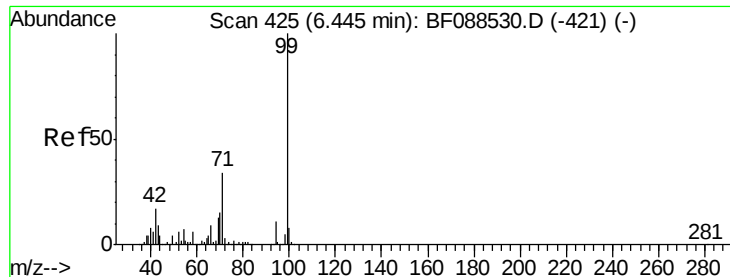


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.66 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Instrument :

BNA_F

ClientSampleId :

C4.2-6

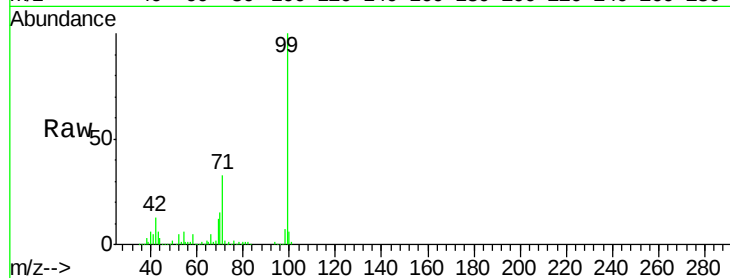
Tgt Ion: 99 Resp: 799117

Ion Ratio Lower Upper

99 100

42 13.5 12.2 18.2

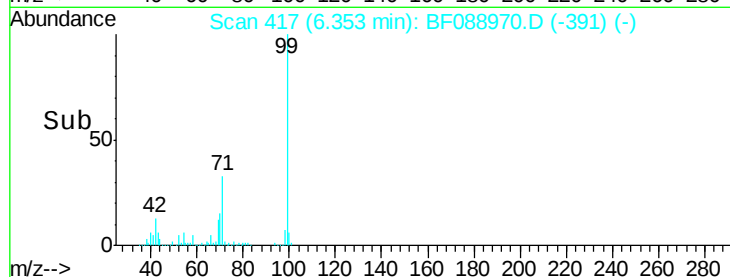
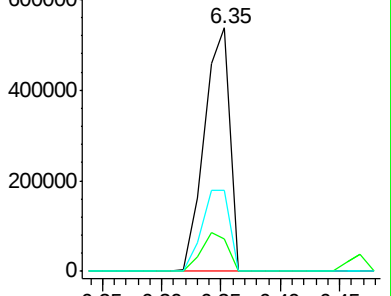
71 33.4 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.30 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Tgt Ion: 70 Resp: 66475

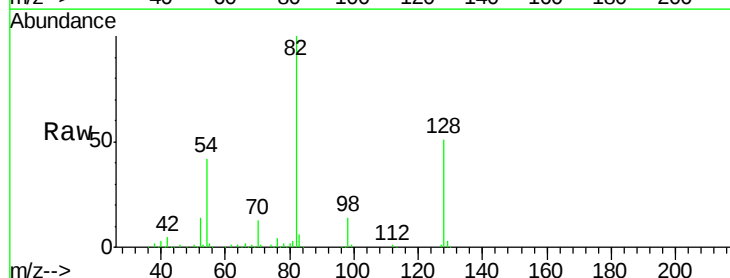
Ion Ratio Lower Upper

70 100

42 37.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#

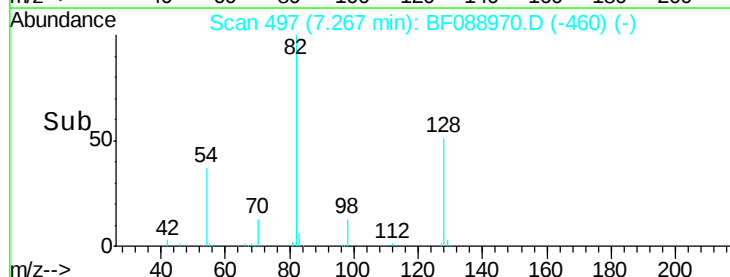
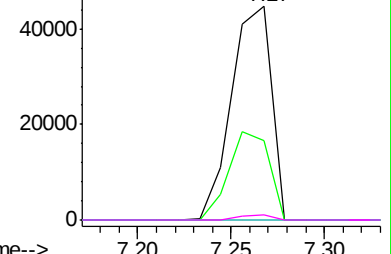


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Instrument :

BNA_F

ClientSampleId :

C4.2-6

Tgt Ion: 136 Resp: 263065

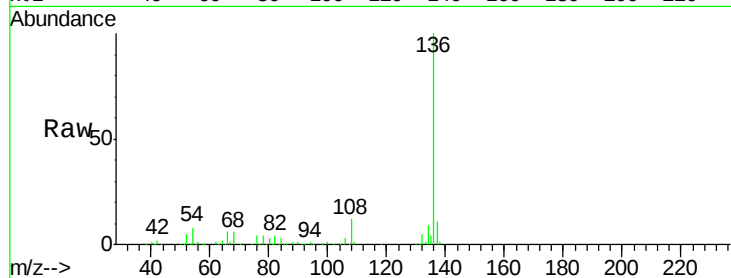
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.1 6.6 10.0

68 6.2 5.1 7.7

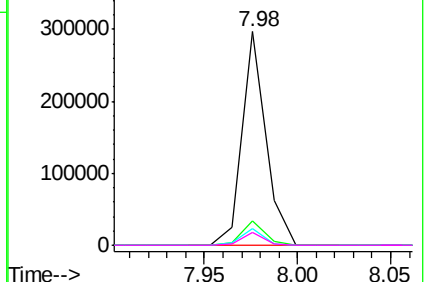
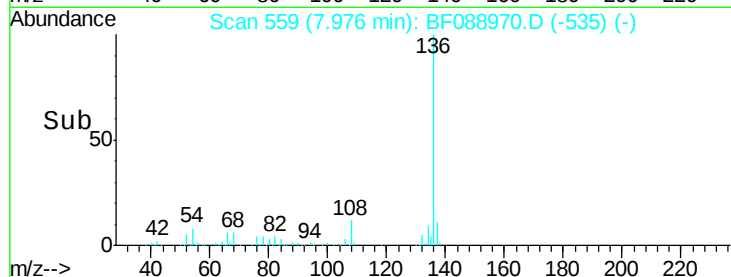


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.01 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

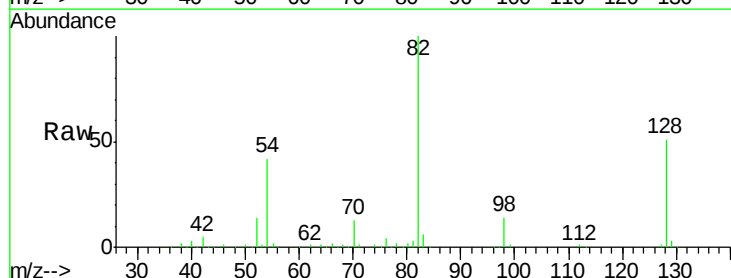
Tgt Ion: 82 Resp: 491977

Ion Ratio Lower Upper

82 100

128 50.6 35.9 53.9

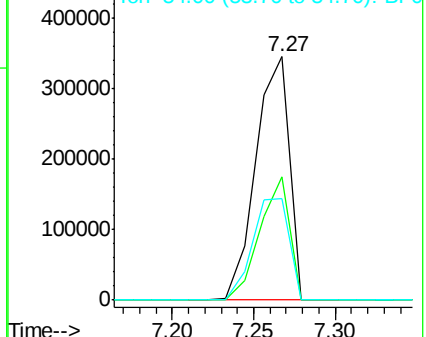
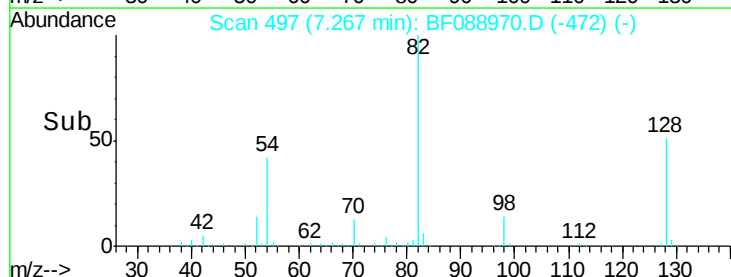
54 41.6 40.9 61.3

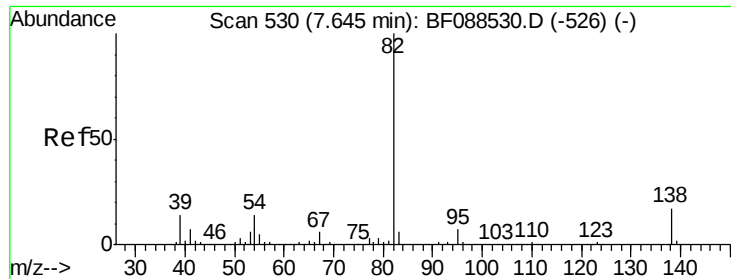


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.04 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Instrument :

BNA_F

ClientSampleId :

C4.2-6

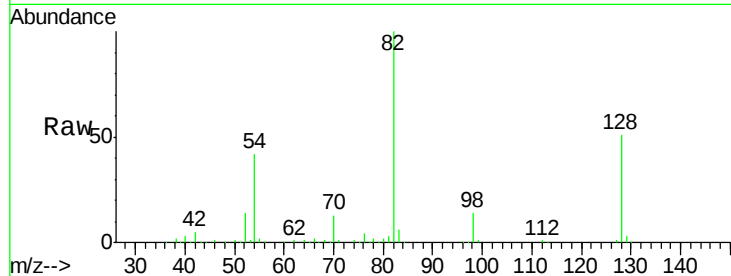
Tgt Ion: 82 Resp: 437427

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

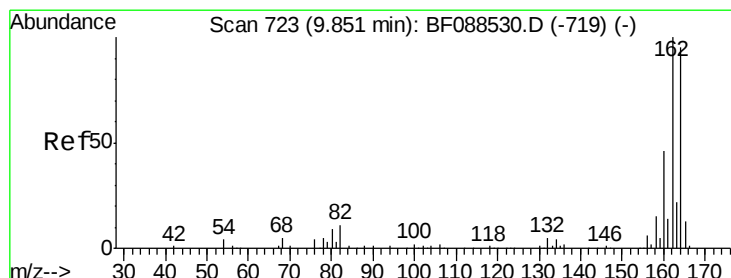
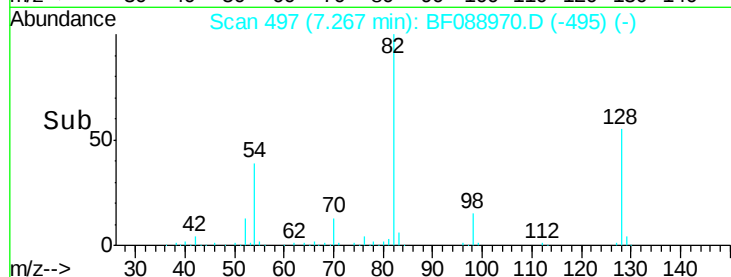
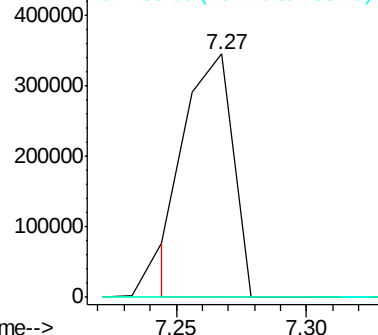
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

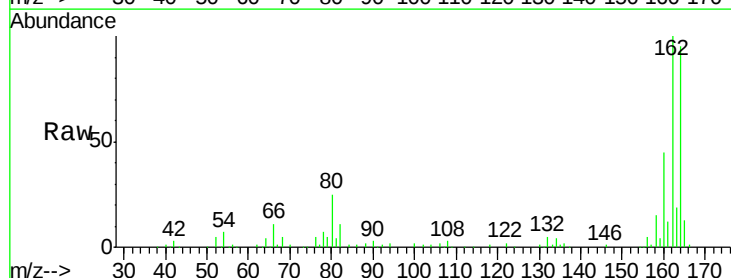
Tgt Ion: 164 Resp: 112330

Ion Ratio Lower Upper

164 100

162 104.8 85.4 128.2

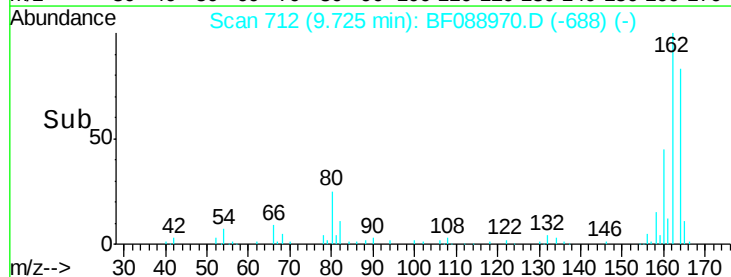
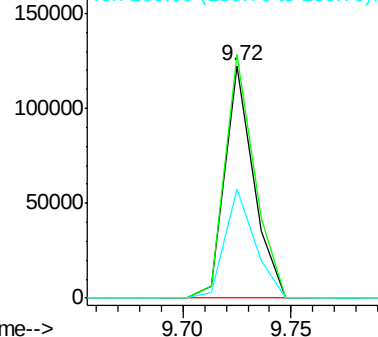
160 46.8 39.5 59.3



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

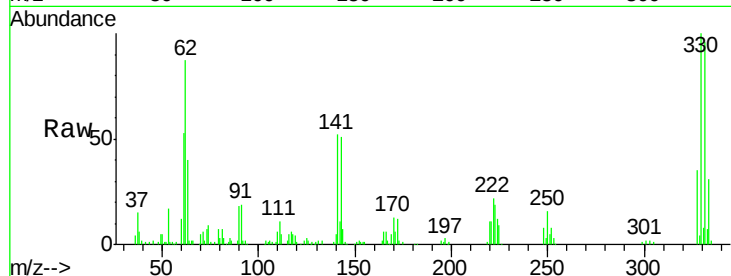




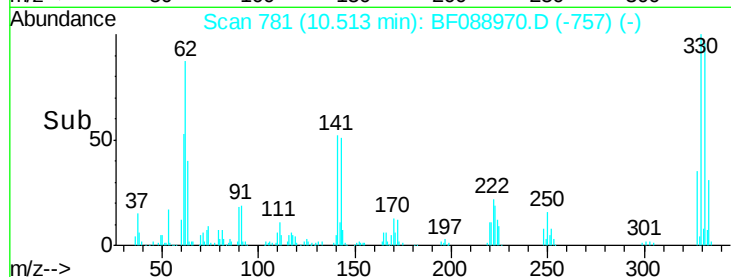
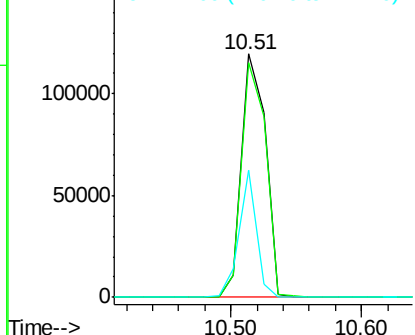
#41
 2,4,6-Tribromophenol
 Concen: 147.11 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088970.D
 Acq: 13 Jul 2016 21:08

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-6

Tgt Ion:330 Resp: 153449
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 37.4 0.0 0.0#

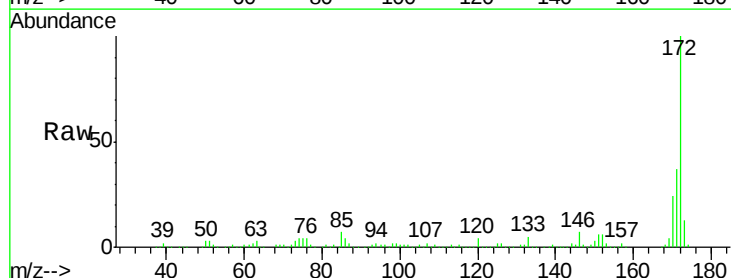


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

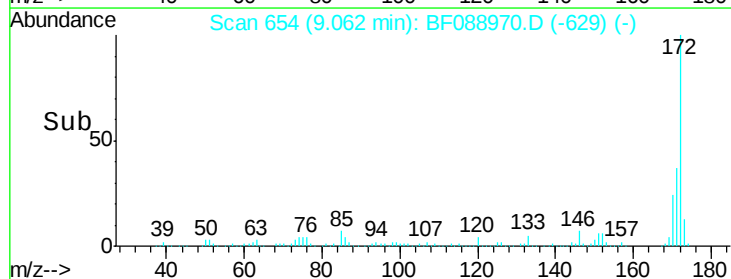
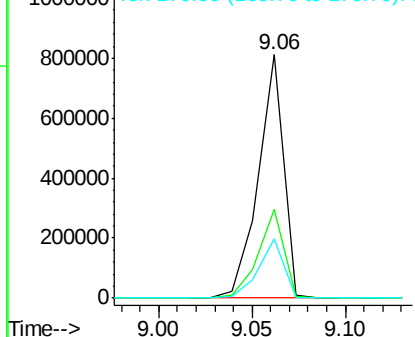


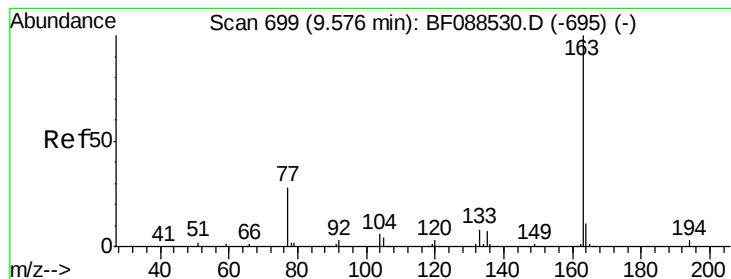
#44
 2-Fluorobiphenyl
 Concen: 106.47 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088970.D
 Acq: 13 Jul 2016 21:08

Tgt Ion:172 Resp: 757182
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.2 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





#49

Dimethylphthalate

Concen: 23.13 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Instrument :

BNA_F

ClientSampleId :

C4.2-6

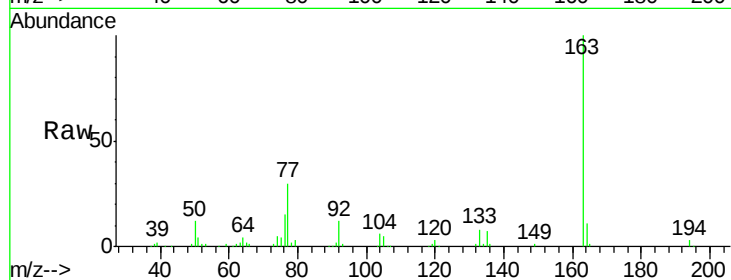
Tgt Ion:163 Resp: 185095

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

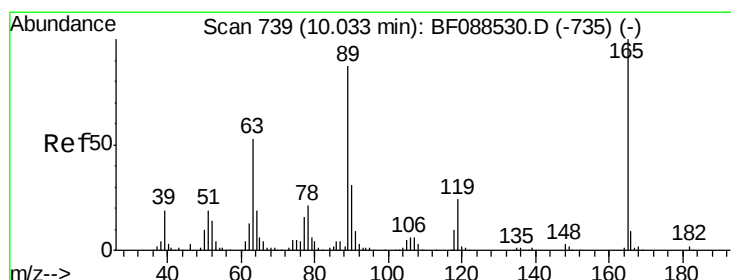
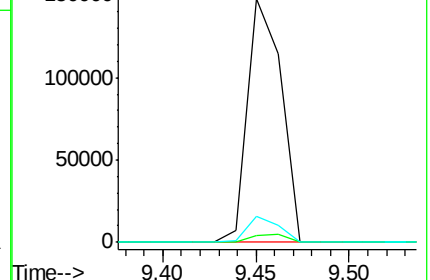
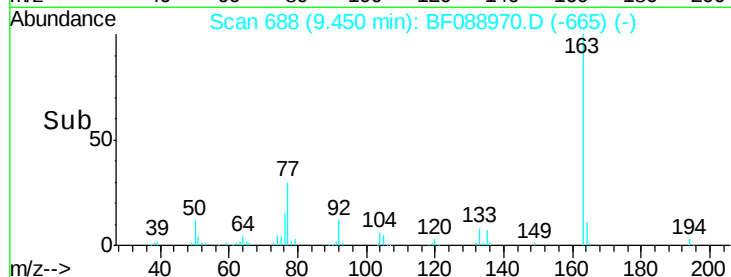
164 10.8 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.36 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Tgt Ion:165 Resp: 14750

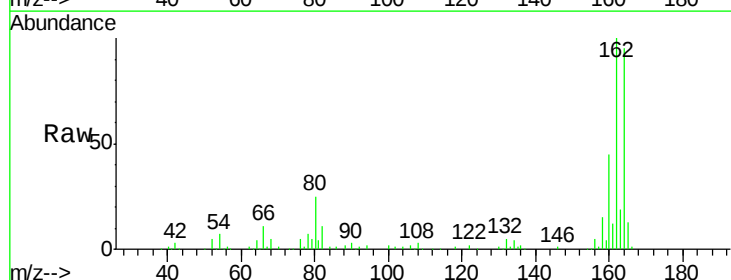
Ion Ratio Lower Upper

165 100

63 1.9 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

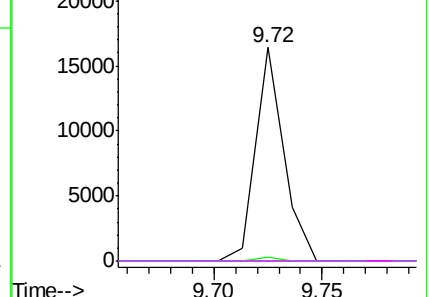
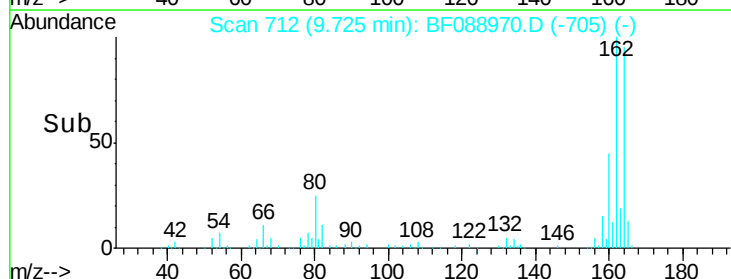


Abundance Ion 165.00 (164.70 to 165.70): E

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

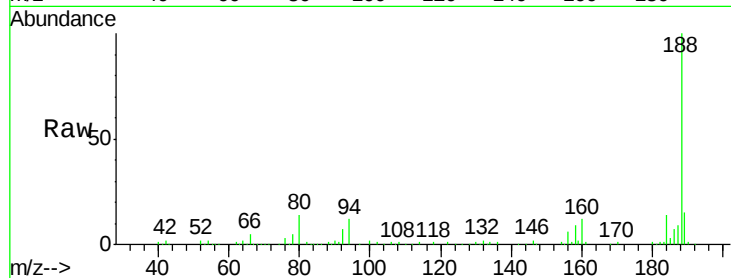




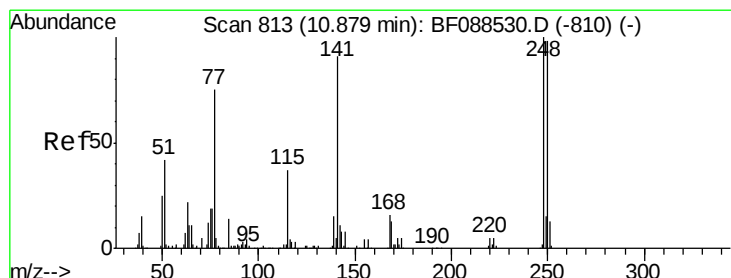
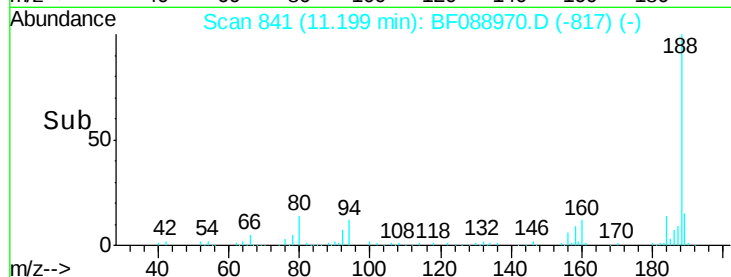
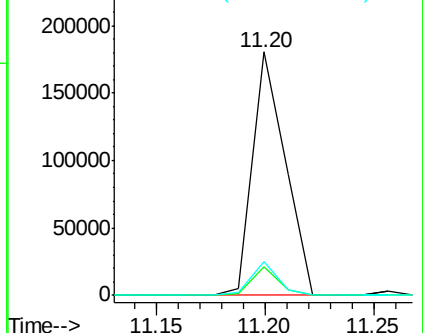
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF088970.D
Acq: 13 Jul 2016 21:08

Instrument :
BNA_F
ClientSampleId :
C4.2-6

Tgt Ion:188 Resp: 188573
Ion Ratio Lower Upper
188 100
94 12.0 9.0 13.6
80 13.9 10.0 15.0

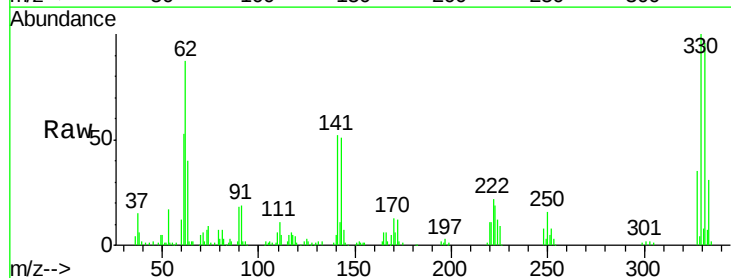


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

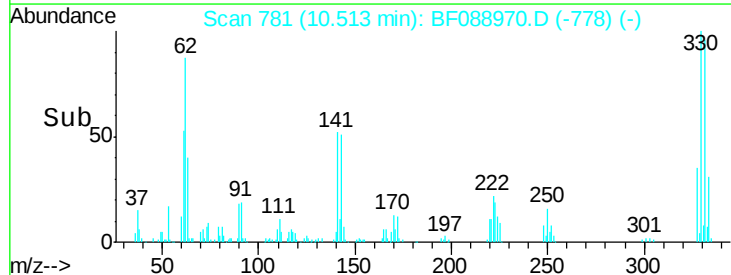
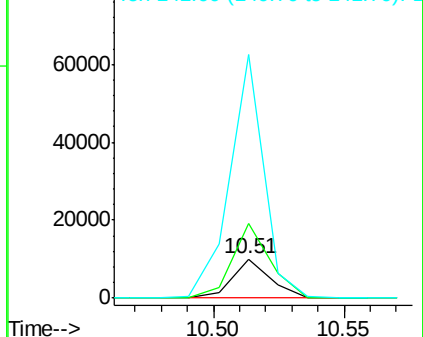


#66
4-Bromophenyl-phenylether
Concen: 5.29 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.26 min
Lab File: BF088970.D
Acq: 13 Jul 2016 21:08

Tgt Ion:248 Resp: 10051
Ion Ratio Lower Upper
248 100
250 189.2 77.1 115.7#
141 619.0 50.6 76.0#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

Instrument :

BNA_F

ClientSampleId :

C4.2-6

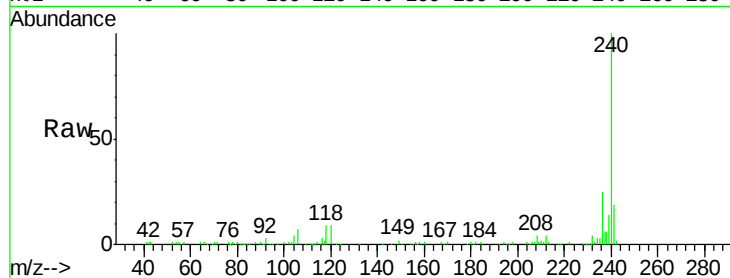
Tgt Ion:240 Resp: 130305

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

236 25.2 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

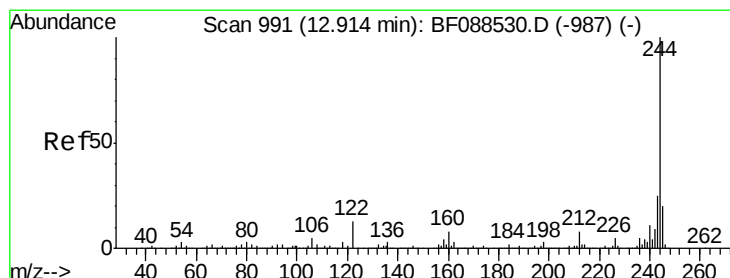
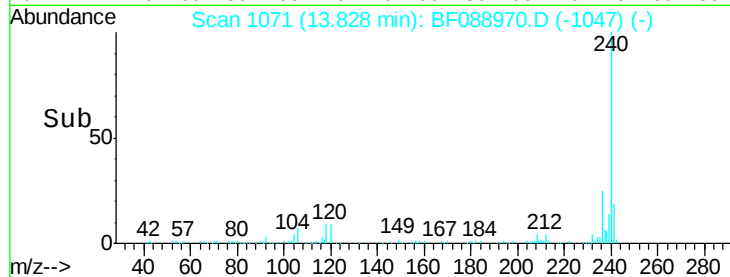
13.83

100000

50000

0

Time--> 13.75 13.80 13.85 13.90



#78

Terphenyl-d14

Concen: 72.28 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088970.D

Acq: 13 Jul 2016 21:08

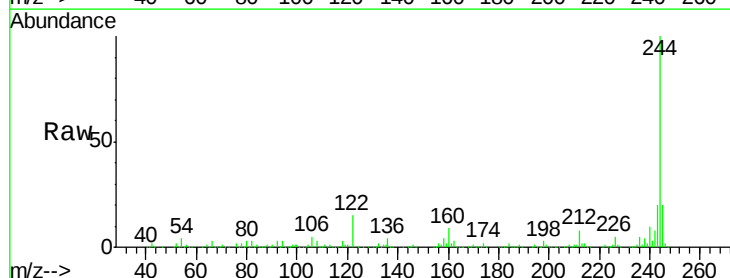
Tgt Ion:244 Resp: 422874

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 14.8 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

12.79

600000

500000

400000

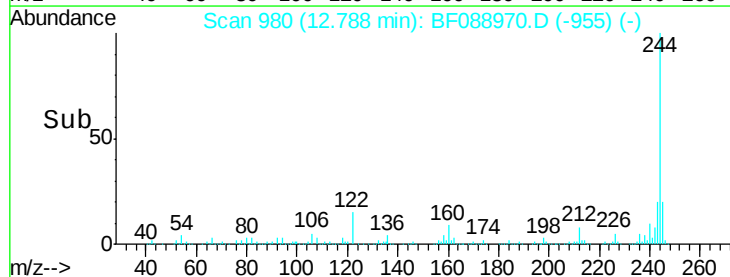
300000

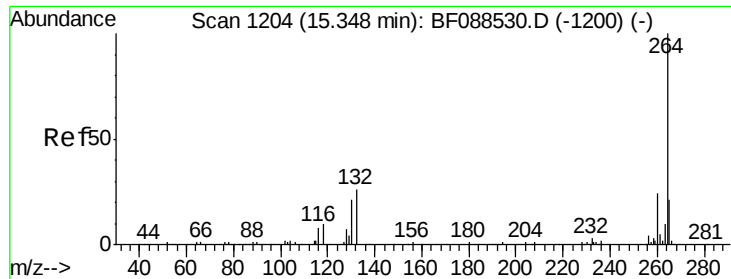
200000

100000

0

Time--> 12.70 12.80





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088970.D
Acq: 13 Jul 2016 21:08

Instrument :
BNA_F
ClientSampleId :
C4.2-6

Tgt Ion: 264 Resp: 132782
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.2 16.9 25.3

