

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088618.D
 Acq On : 2 Jul 2016 15:42
 Operator : UM/SJ
 Sample : H3871-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R5-B6(0-11)C

Quant Time: Jul 03 03:03:16 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

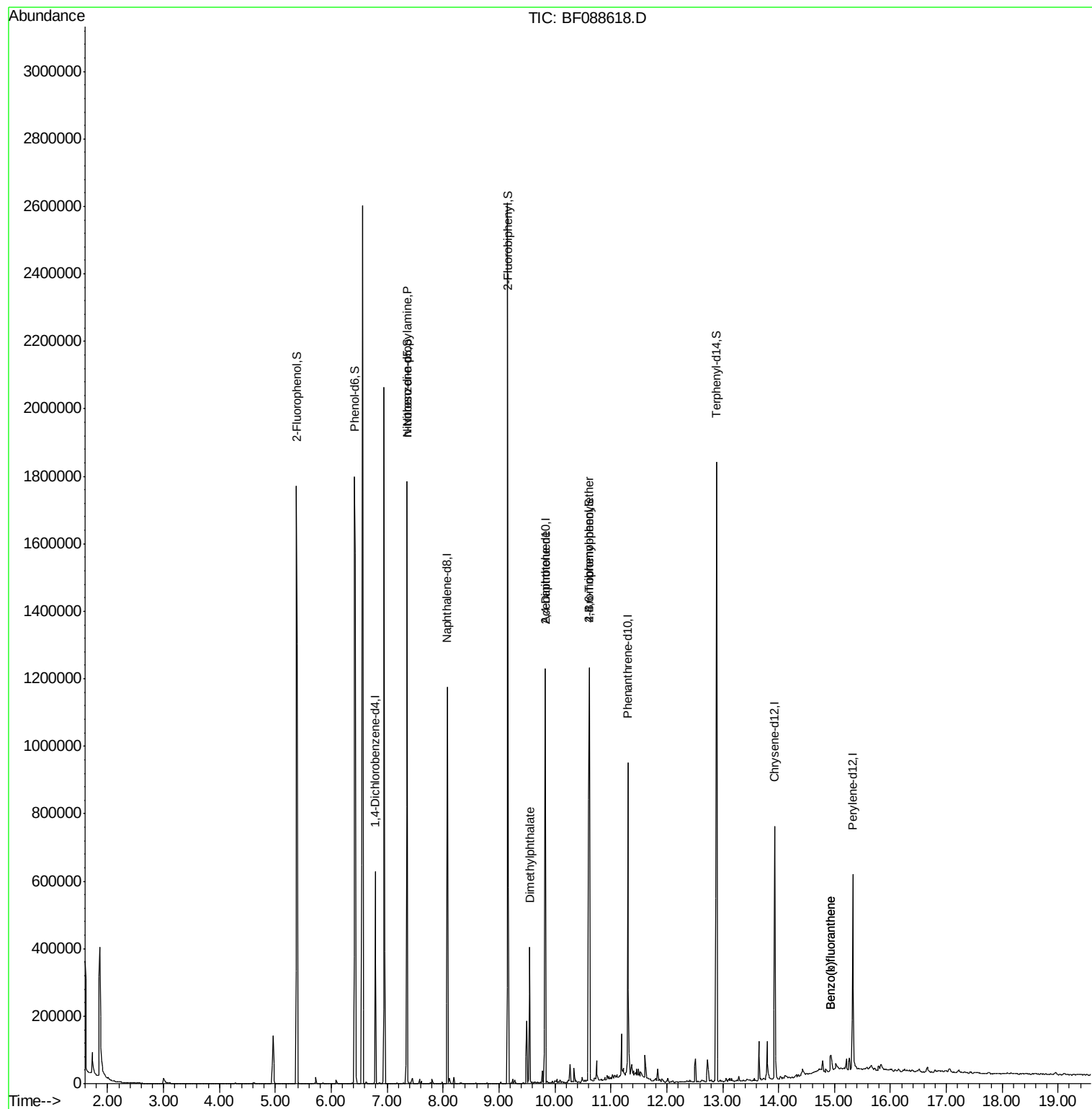
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	111669	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	485101	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	207675	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	320848	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	221666	20.00	ng	-0.02
86) Perylene-d12	15.33	264	239295	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	702179	94.24	ng	-0.02
7) Phenol-d6	6.42	99	976621	101.44	ng	-0.02
23) Nitrobenzene-d5	7.36	82	651672	70.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	179015	92.83	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	783941	59.63	ng	-0.02
78) Terphenyl-d14	12.89	244	526993	52.95	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	88723	13.72	ng	# 70
49) Dimethylphthalate	9.55	163	212902	14.39	ng	98
56) 2,4-Dinitrotoluene	9.83	165	27569	6.43	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	11933	3.69	ng	# 1
87) Benzo(b)fluoranthene	14.94	252	34427	2.29	ng	# 92
88) Benzo(k)fluoranthene	14.94	252	34427	2.63	ng	98

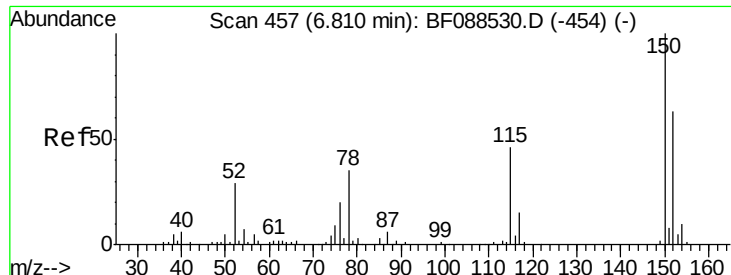
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

R5-B6(0-11)C

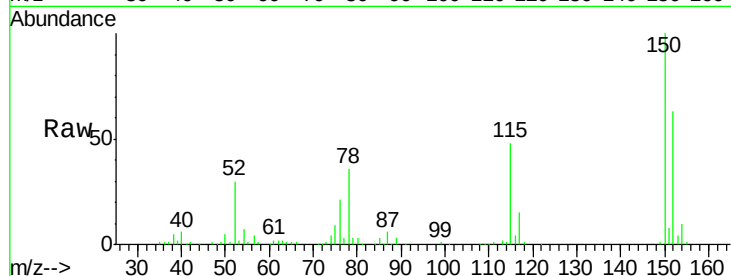
Tgt Ion:152 Resp: 111669

Ion Ratio Lower Upper

152 100

150 157.9 123.8 185.6

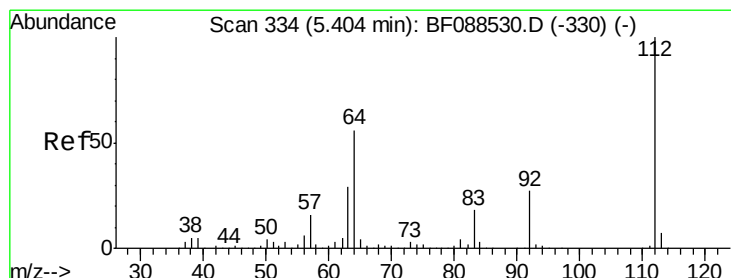
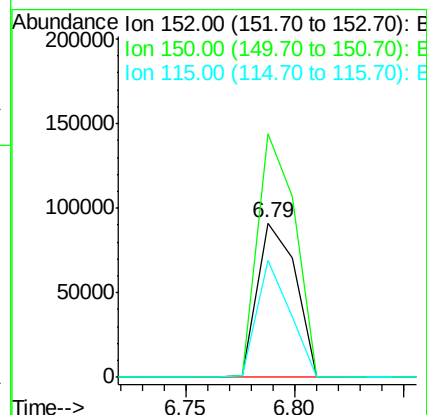
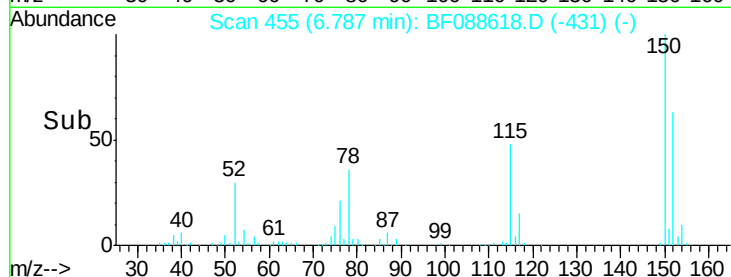
115 75.5 39.6 59.4#



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: 94.24 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

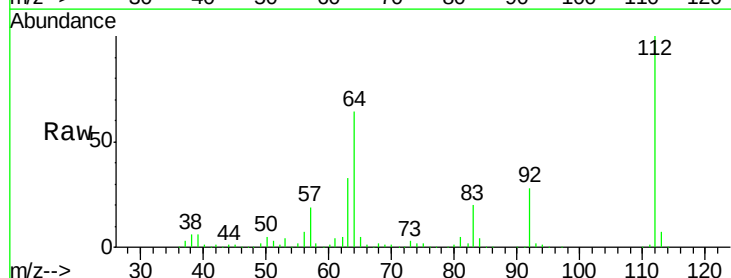
Tgt Ion:112 Resp: 702179

Ion Ratio Lower Upper

112 100

64 63.6 42.2 63.2#

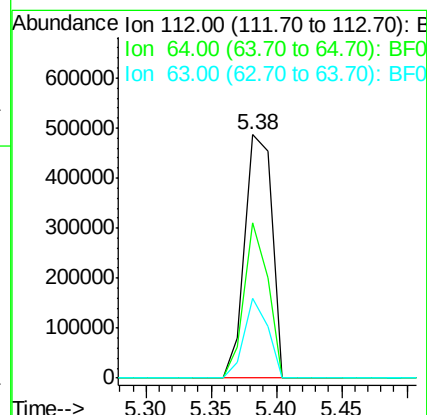
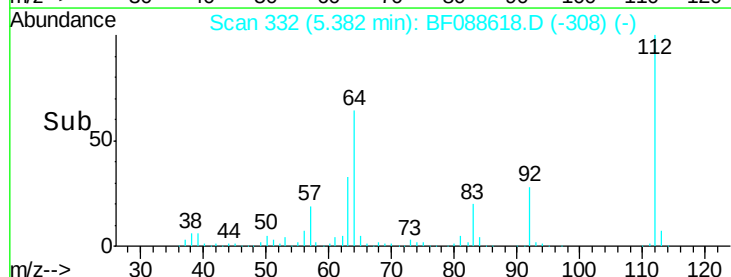
63 32.8 21.8 32.8#

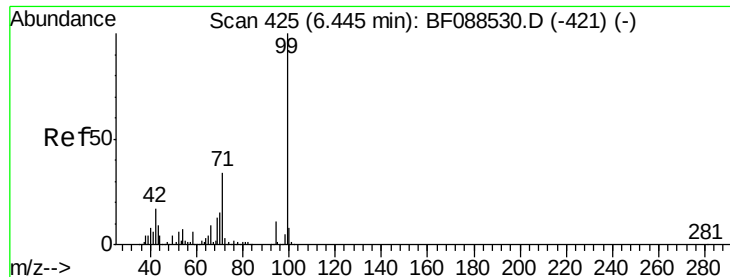


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.44 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

R5-B6(0-11)C

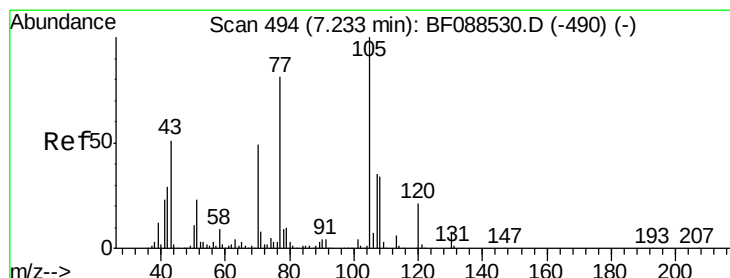
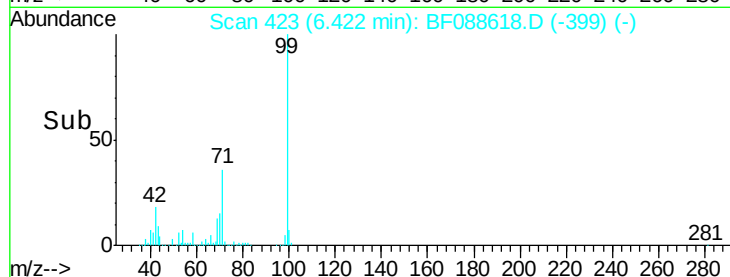
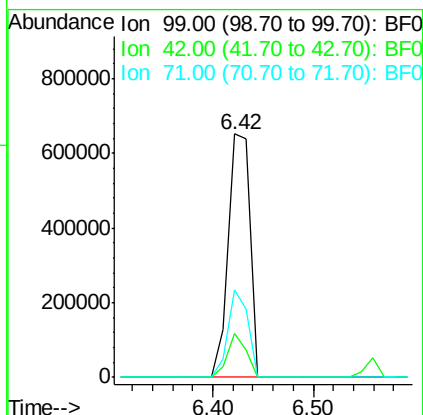
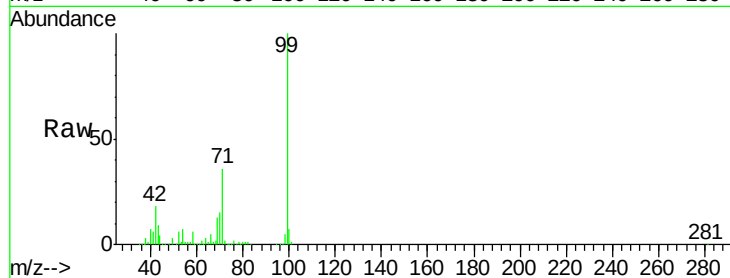
Tgt Ion: 99 Resp: 976621

Ion Ratio Lower Upper

99 100

42 17.9 12.2 18.2

71 35.7 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 13.72 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Tgt Ion: 70 Resp: 88723

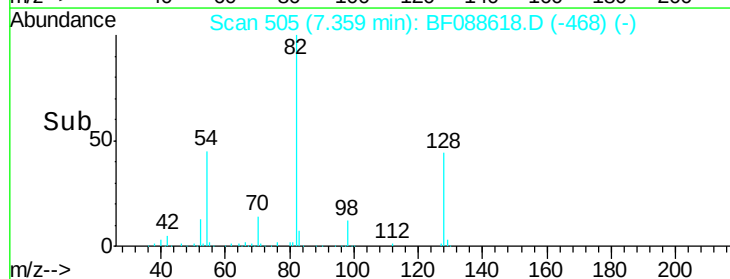
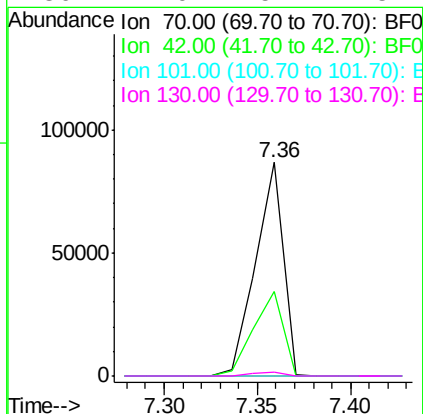
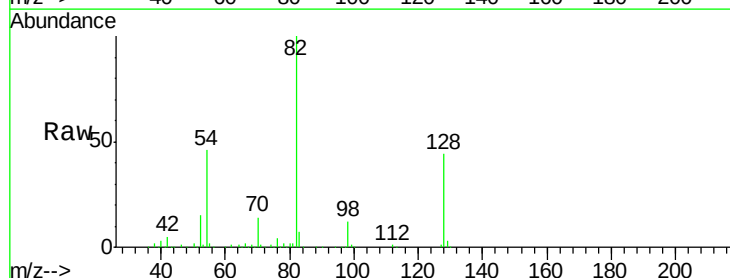
Ion Ratio Lower Upper

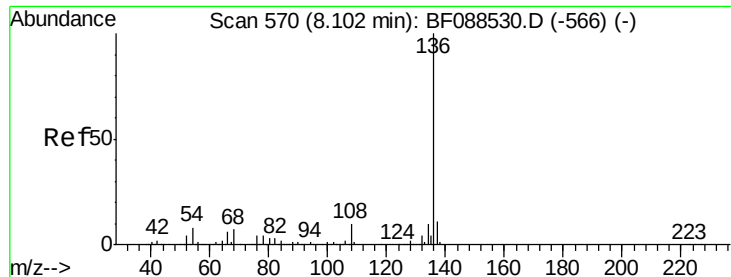
70 100

42 39.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

R5-B6(0-11)C

Tgt Ion:136 Resp: 485101

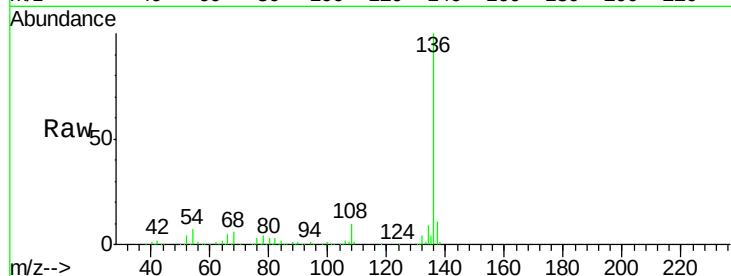
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 7.4 6.6 10.0

68 6.2 5.1 7.7

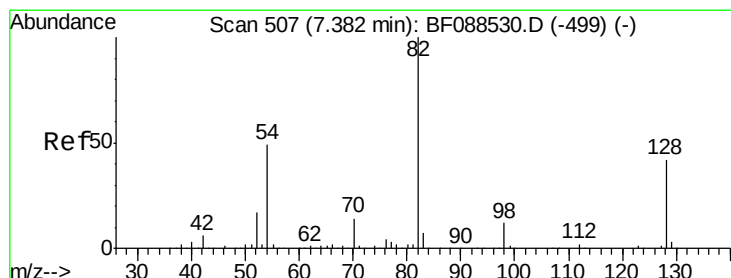
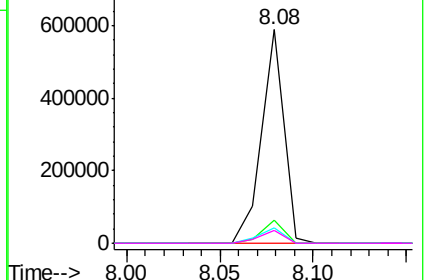
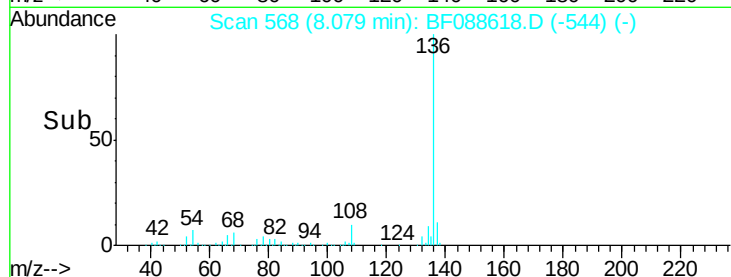


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.40 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

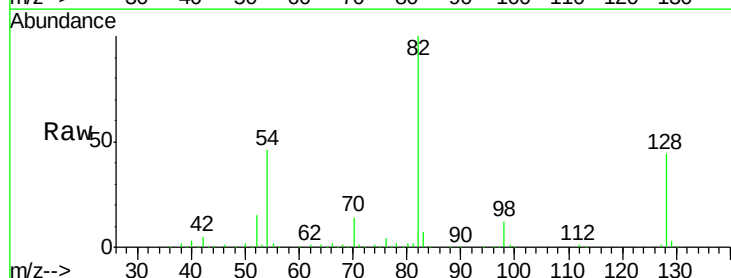
Tgt Ion: 82 Resp: 651672

Ion Ratio Lower Upper

82 100

128 44.5 35.9 53.9

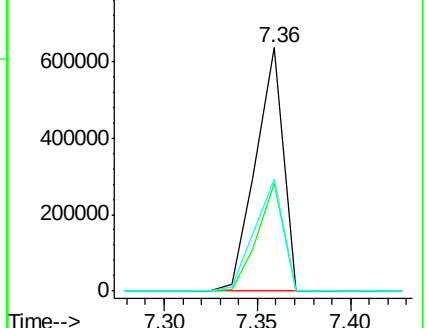
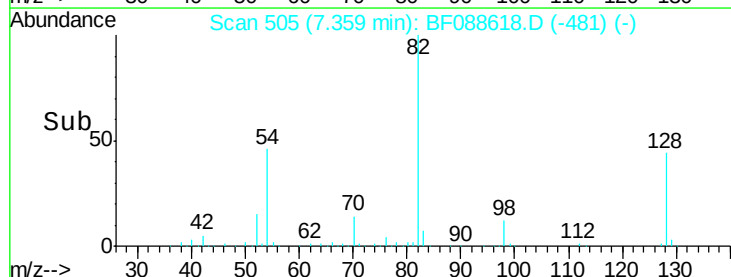
54 45.9 40.9 61.3

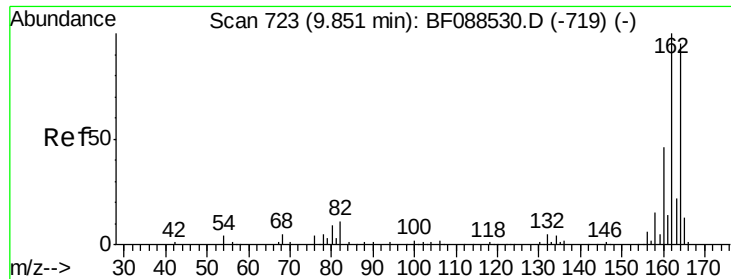


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

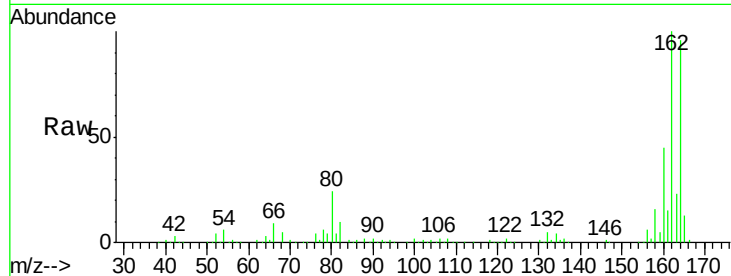




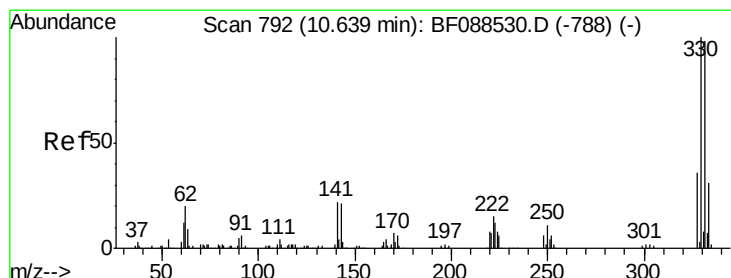
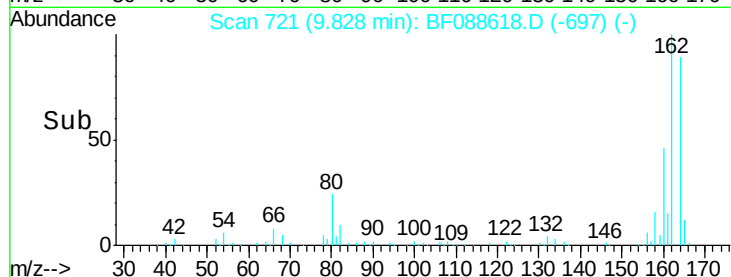
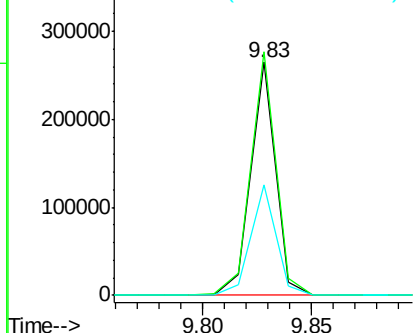
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088618.D
 Acq: 2 Jul 2016 15:42

Instrument :
 BNA_F
 ClientSampleId :
 R5-B6(0-11)C

Tgt Ion:164 Resp: 207675
 Ion Ratio Lower Upper
 164 100
 162 104.6 85.4 128.2
 160 47.4 39.5 59.3

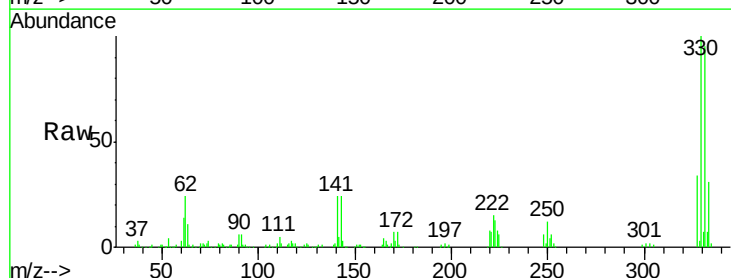


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

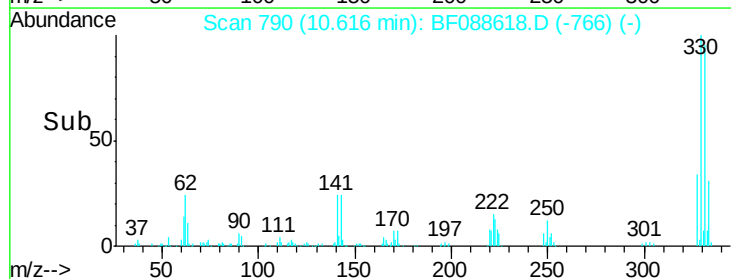
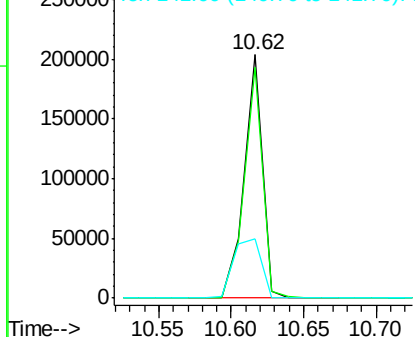


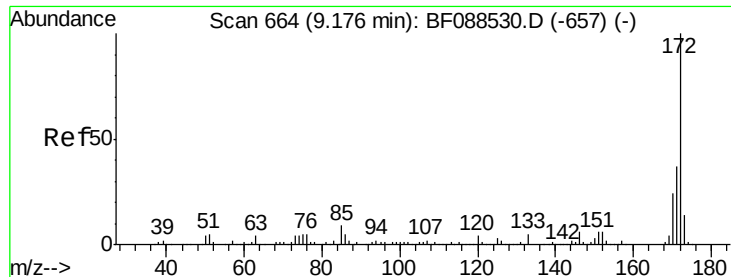
#41
 2,4,6-Tribromophenol
 Concen: 92.83 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088618.D
 Acq: 2 Jul 2016 15:42

Tgt Ion:330 Resp: 179015
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 37.0 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

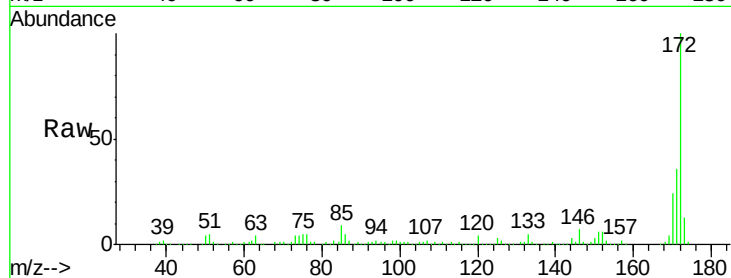




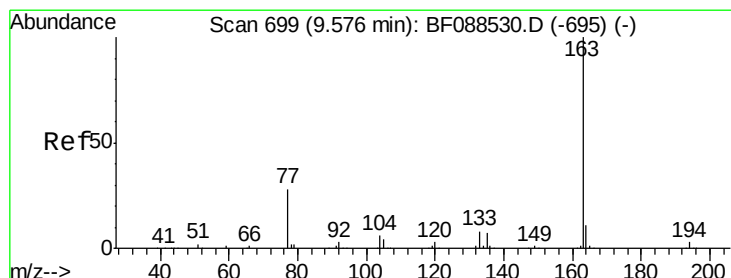
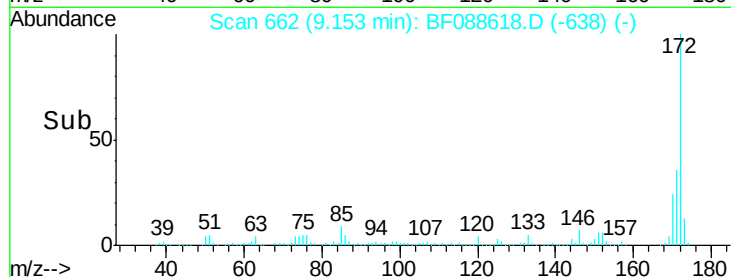
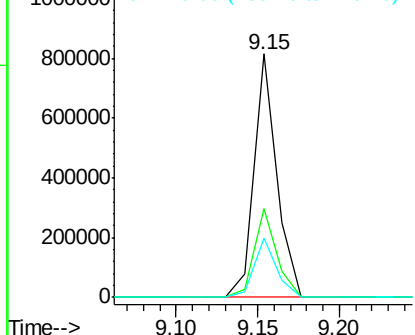
#44
2-Fluorobiphenyl
Concen: 59.63 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088618.D
Acq: 2 Jul 2016 15:42

Instrument :
BNA_F
ClientSampleId :
R5-B6(0-11)C

Tgt Ion:172 Resp: 783941
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.3 19.2 28.8

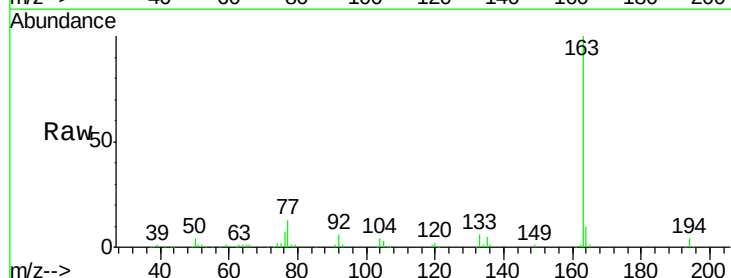


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

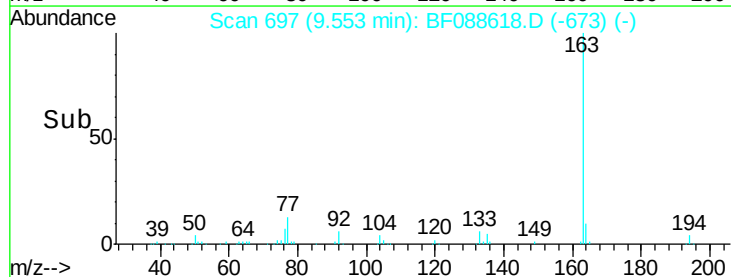
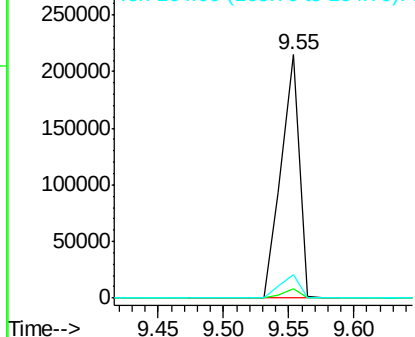


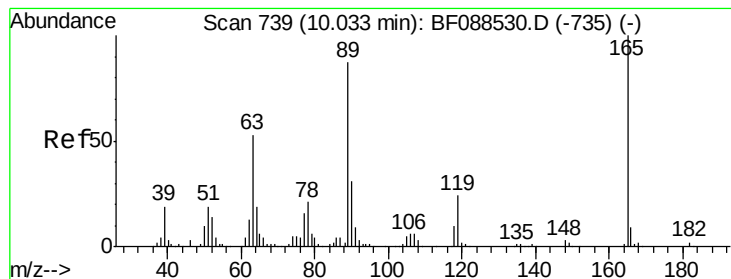
#49
Dimethylphthalate
Concen: 14.39 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088618.D
Acq: 2 Jul 2016 15:42

Tgt Ion:163 Resp: 212902
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.7 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: 6.43 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

R5-B6(0-11)C

Tgt Ion:165 Resp: 27569

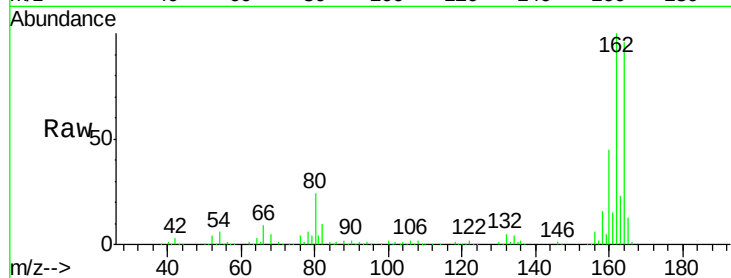
Ion Ratio Lower Upper

165 100

63 1.3 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

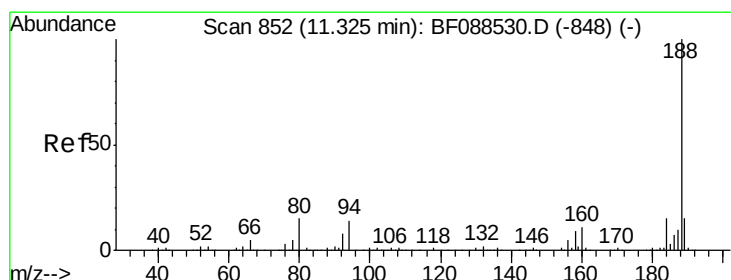
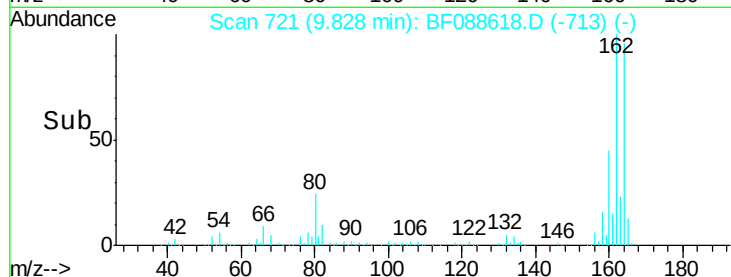
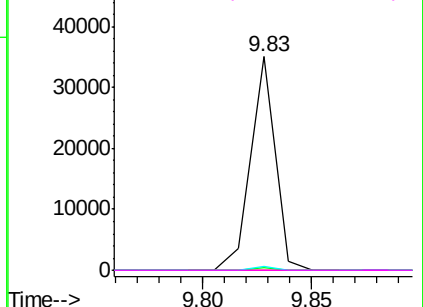


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 850

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

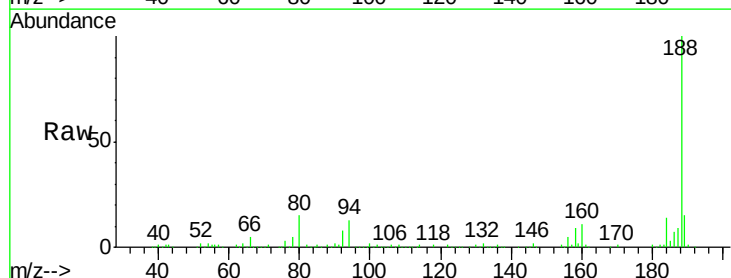
Tgt Ion:188 Resp: 320848

Ion Ratio Lower Upper

188 100

94 13.2 9.0 13.6

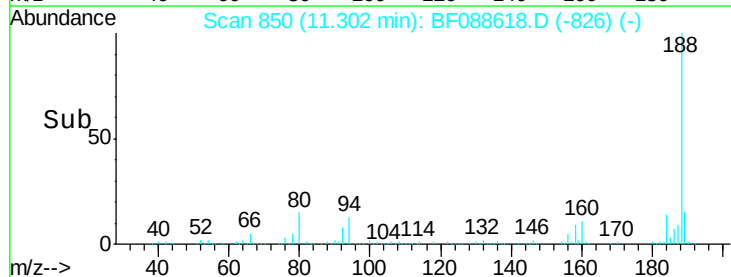
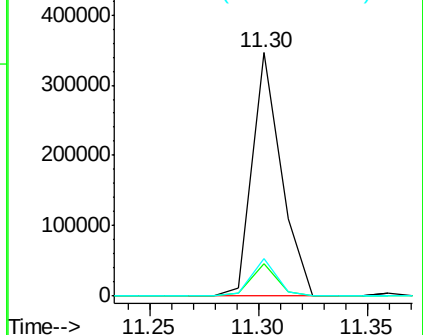
80 15.4 10.0 15.0#

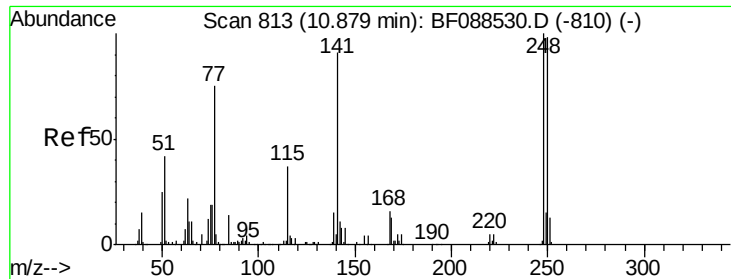


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.69 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.26 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

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R5-B6(0-11)C

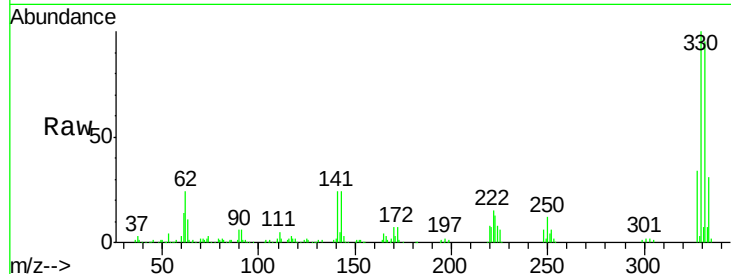
Tgt Ion:248 Resp: 11933

Ion Ratio Lower Upper

248 100

250 203.1 77.1 115.7#

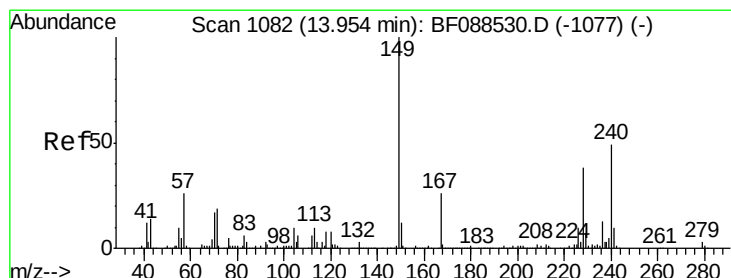
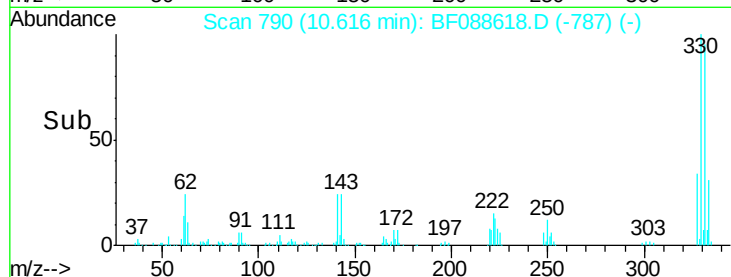
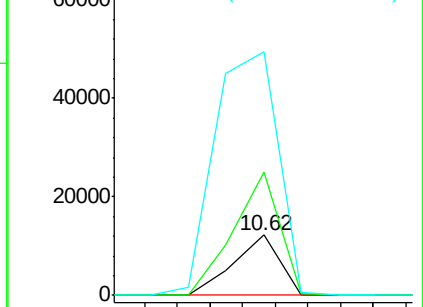
141 402.3 50.6 76.0#



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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

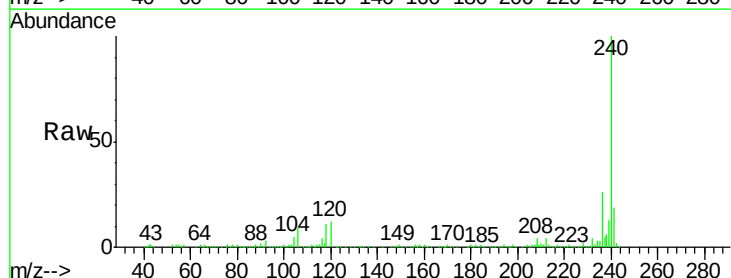
Tgt Ion:240 Resp: 221666

Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

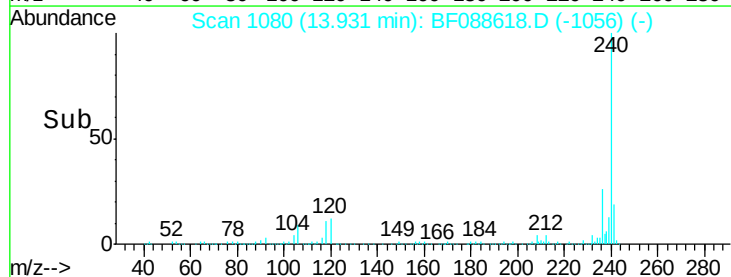
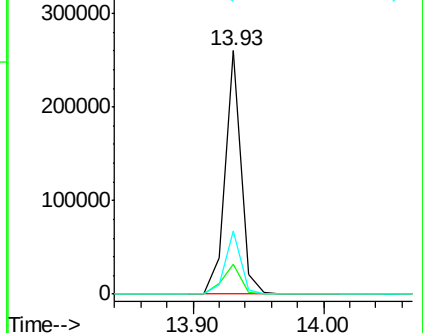
236 25.7 20.2 30.2

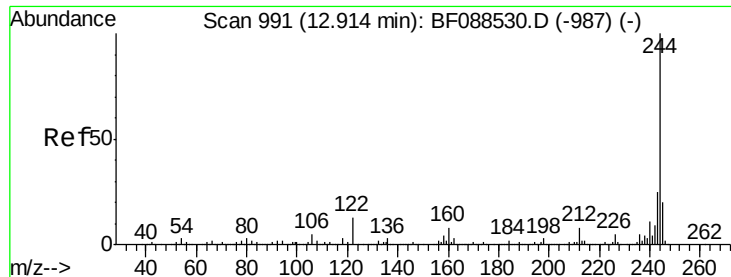


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

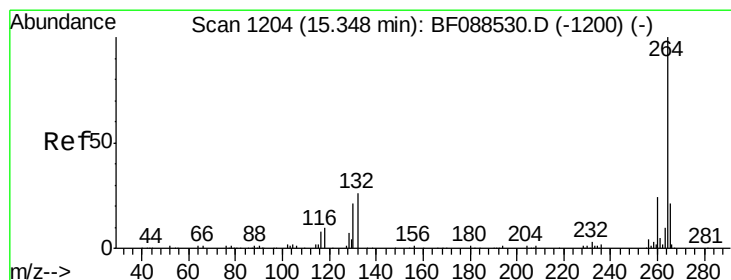
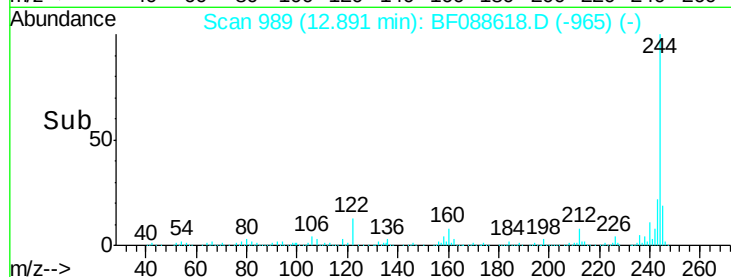
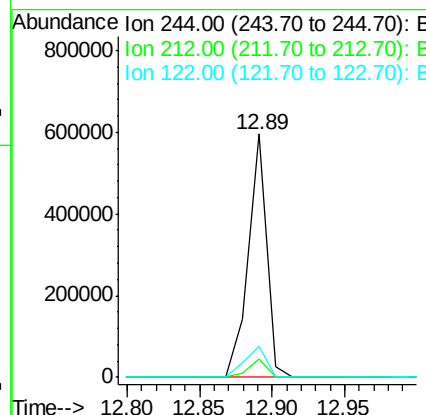
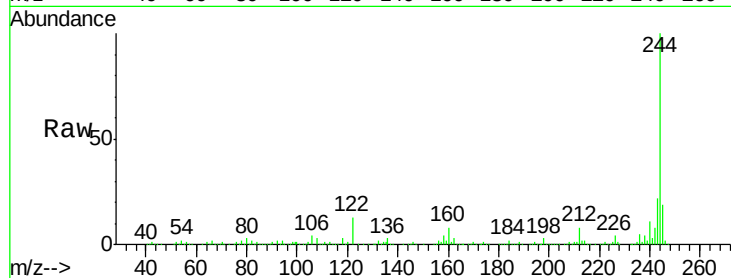




#78
 Terphenyl-d14
 Concen: 52.95 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF088618.D
 Acq: 2 Jul 2016 15:42

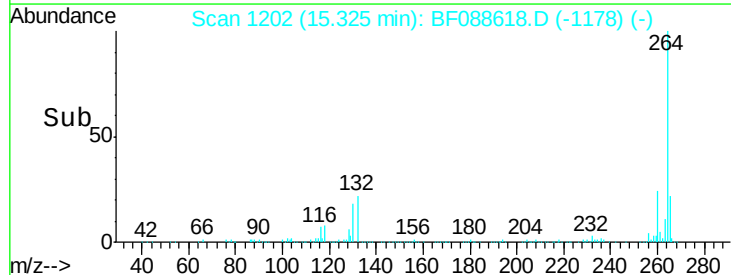
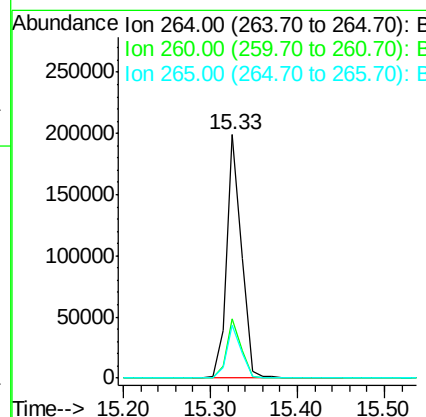
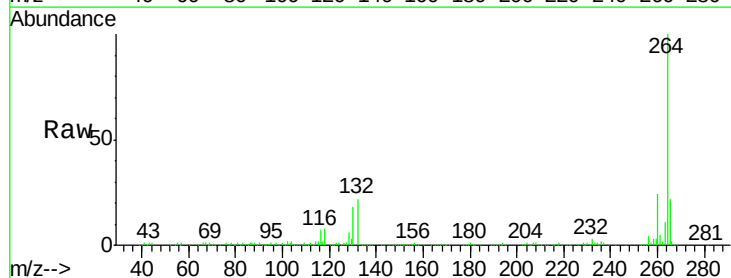
Instrument :
 BNA_F
 ClientSampleId :
 R5-B6(0-11)C

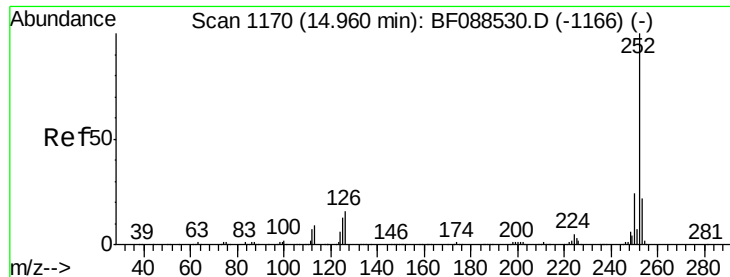
Tgt Ion:244 Resp: 526993
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 12.9 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: BF088618.D
 Acq: 2 Jul 2016 15:42

Tgt Ion:264 Resp: 239295
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.8 16.9 25.3

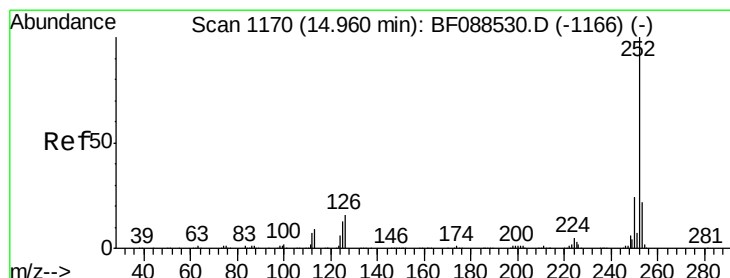
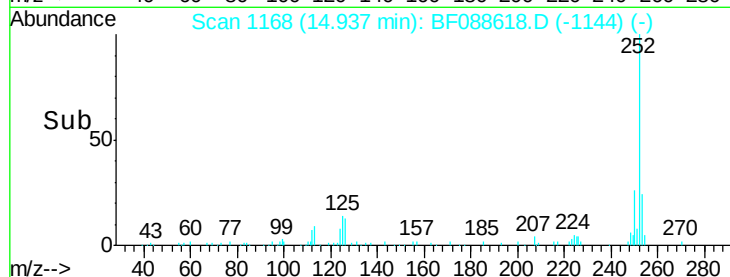
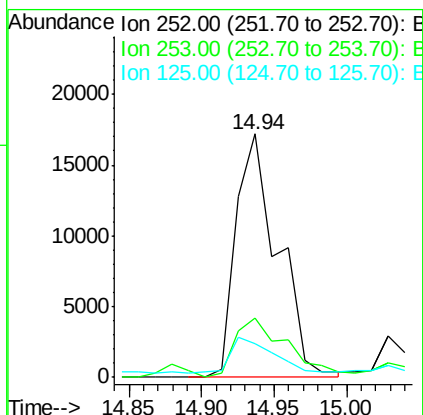
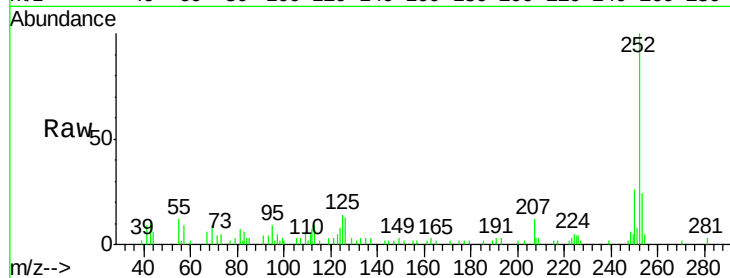




#87
Benzo(b)fluoranthene
Concen: 2.29 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088618.D
Acq: 2 Jul 2016 15:42

Instrument :
BNA_F
ClientSampleId :
R5-B6(0-11)C

Tgt Ion:252 Resp: 34427
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 13.8 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 2.63 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088618.D
Acq: 2 Jul 2016 15:42

Tgt Ion:252 Resp: 34427
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 13.8 11.2 16.8

