

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
 Data File : BF088954.D
 Acq On : 13 Jul 2016 10:00
 Operator : UM/SJ
 Sample : H3889-07DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 13 13:05:15 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

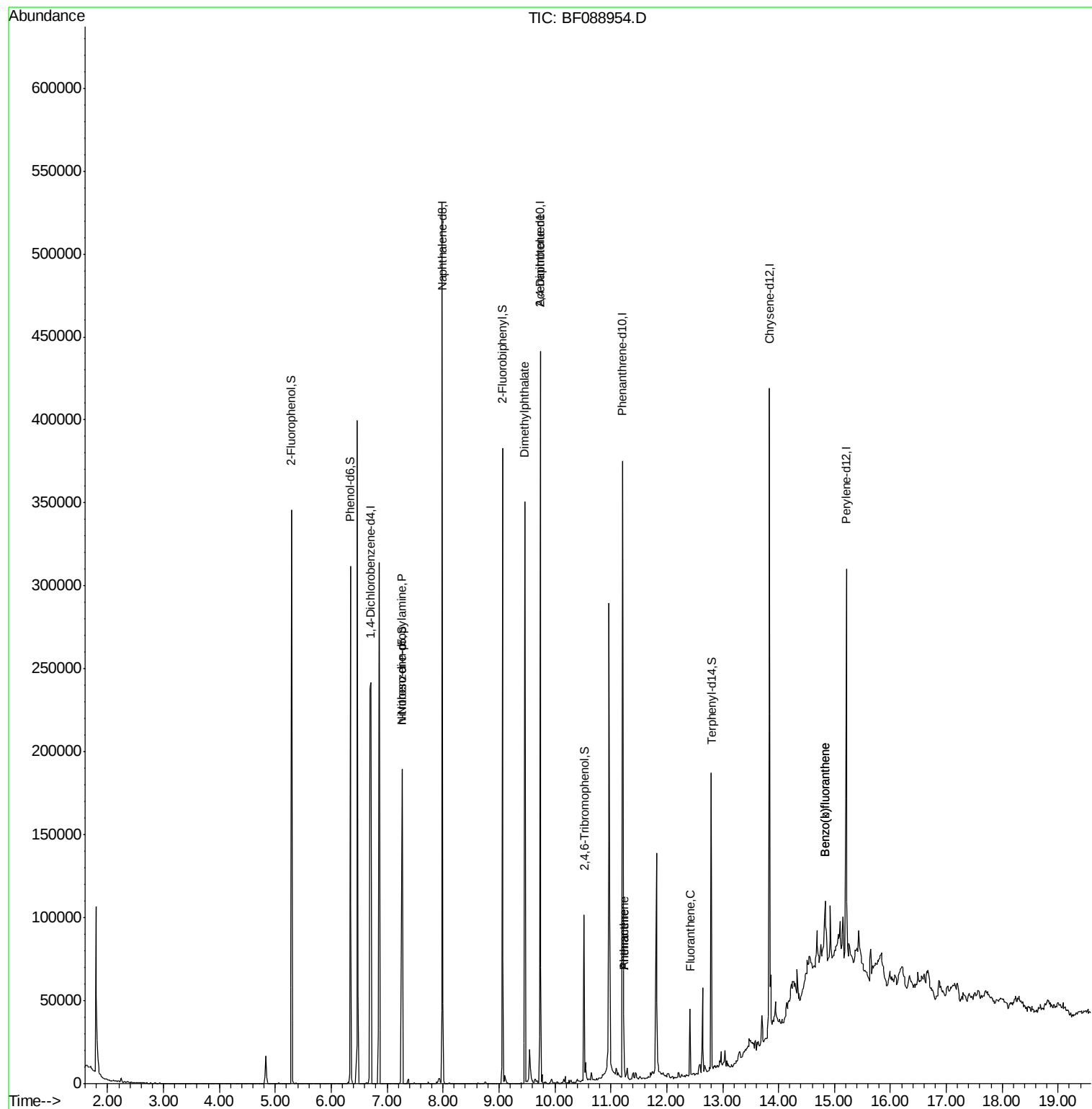
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	54664	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	209892	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	77743	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	122495	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	126920	20.00	ng	-0.01
86) Perylene-d12	15.21	264	93732	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	90432	24.79	ng	0.00
7) Phenol-d6	6.34	99	109198	23.17	ng	-0.01
23) Nitrobenzene-d5	7.27	82	69768	17.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	17192	23.81	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	109710	22.29	ng	-0.01
78) Terphenyl-d14	12.80	244	78005	13.69	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	9064	2.86	ng	# 70
49) Dimethylphthalate	9.46	163	120850	21.82	ng	99
56) 2,4-Dinitrotoluene	9.74	165	9744	6.07	ng	# 36
70) Phenanthrene	11.23	178	14187	2.12	ng	98
71) Anthracene	11.23	178	14187	2.13	ng	98
74) Fluoranthene	12.42	202	23992	3.53	ng	92
87) Benzo(b)fluoranthene	14.83	252	17009	2.89	ng	# 87
88) Benzo(k)fluoranthene	14.83	252	17009	3.32	ng	# 91

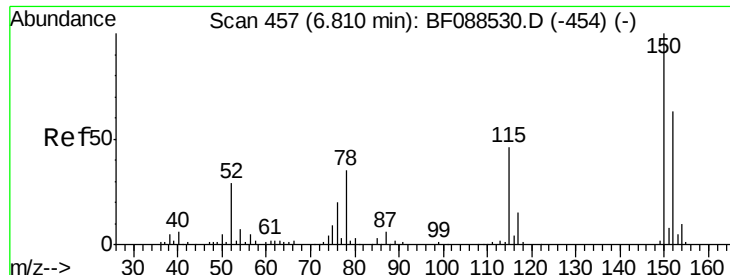
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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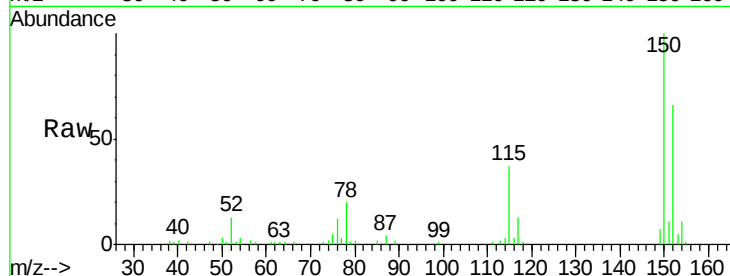


#1

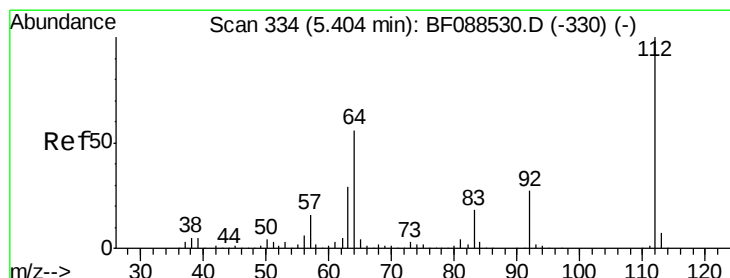
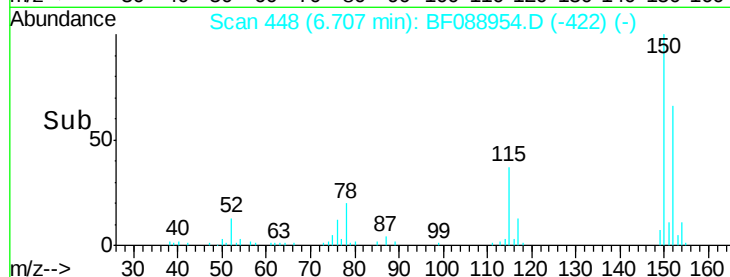
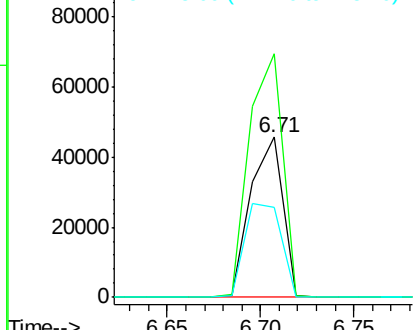
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF088954.D
Acq: 13 Jul 2016 10:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 54664
Ion Ratio Lower Upper
152 100
150 152.0 123.8 185.6
115 56.1 39.6 59.4



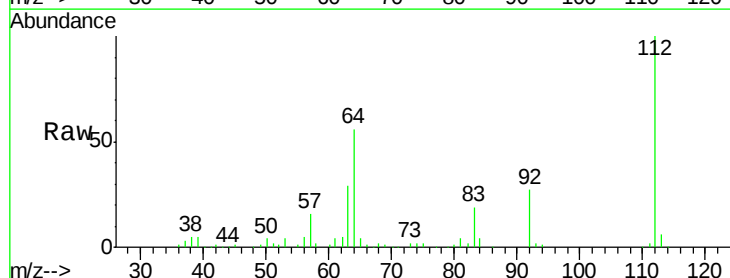
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



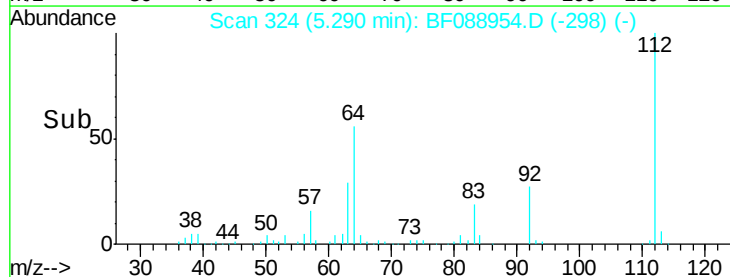
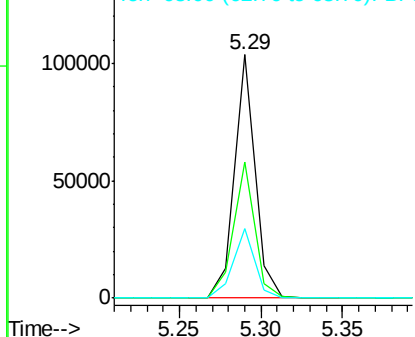
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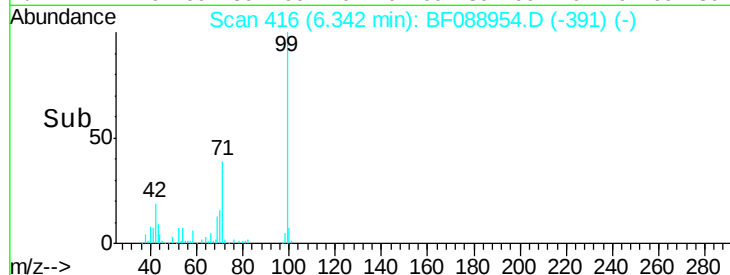
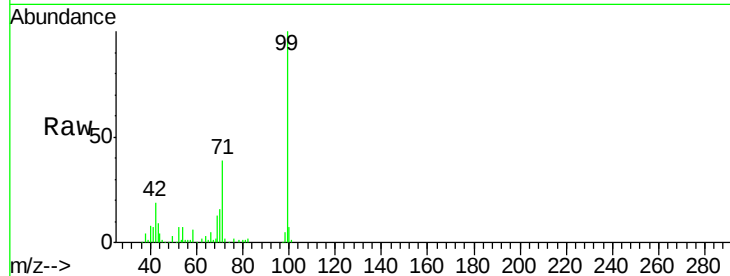
2-Fluorophenol
Concen: 24.79 ng
RT: 5.29 min Scan# 324
Delta R.T. -0.00 min
Lab File: BF088954.D
Acq: 13 Jul 2016 10:00

Tgt Ion:112 Resp: 90432
Ion Ratio Lower Upper
112 100
64 56.2 42.2 63.2
63 28.5 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: 23.17 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088954.D

Acq: 13 Jul 2016 10:00

Instrument :

BNA_F

ClientSampleId :

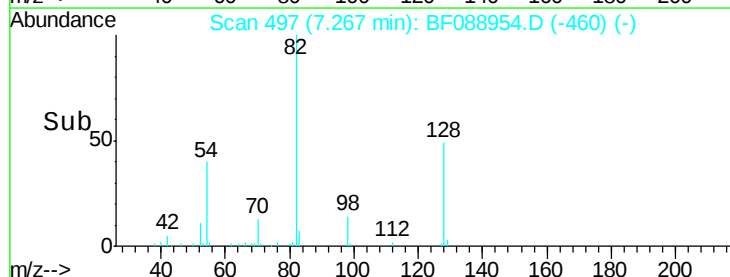
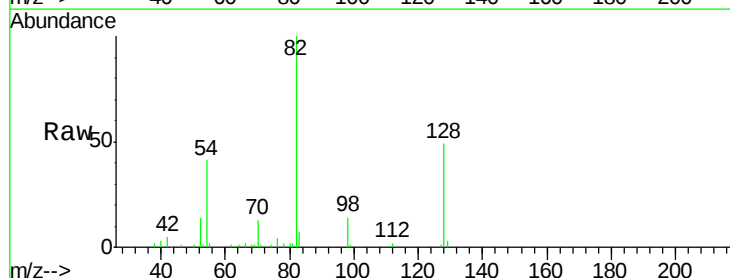
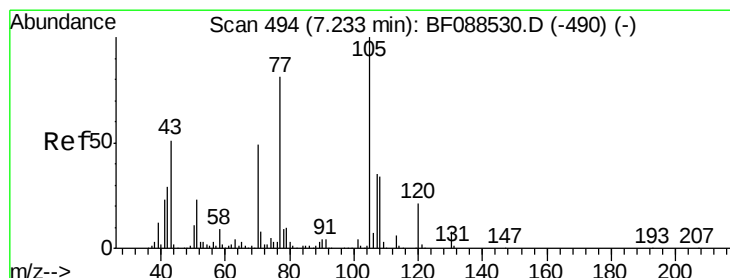
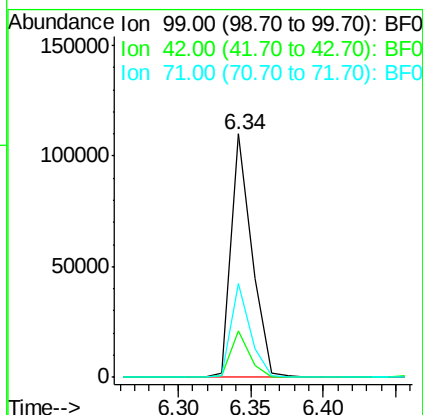
Tot Ion: 99 Resp: 109198

Ion Ratio Lower Upper

99 100

42 19.0 12.2 18.2#

71 38.6 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 2.86 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088954.D

Acq: 13 Jul 2016 10:00

Tgt Ion: 70 Resp: 9064

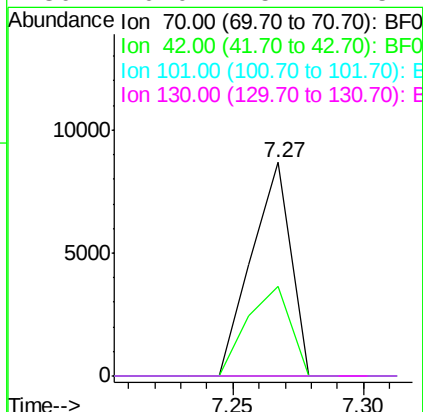
Ion Ratio Lower Upper

70 100

42 41.8 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088954.D

Acq: 13 Jul 2016 10:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 209892

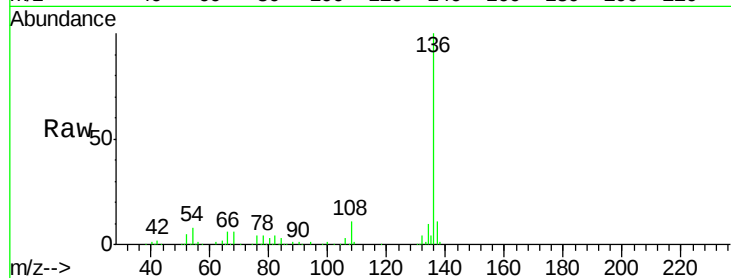
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 7.9 6.6 10.0

68 6.2 5.1 7.7

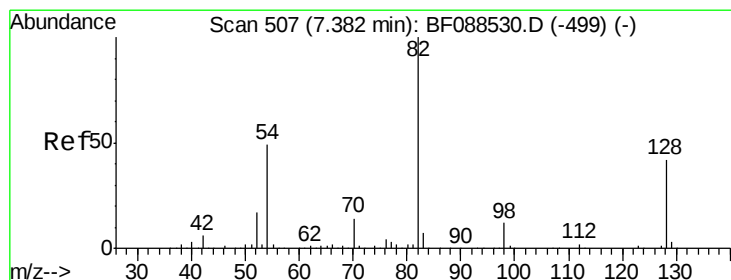
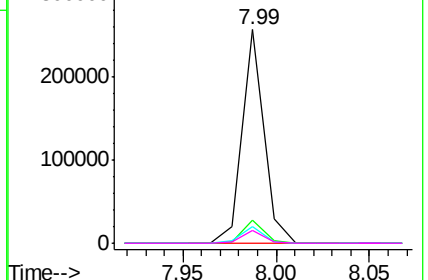
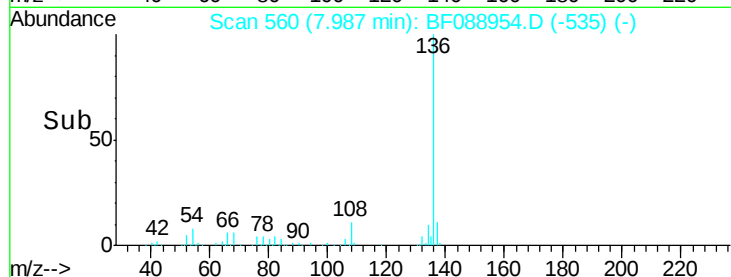


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.42 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF088954.D

Acq: 13 Jul 2016 10:00

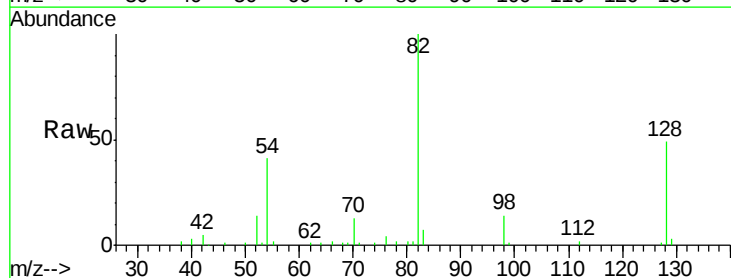
Tgt Ion: 82 Resp: 69768

Ion Ratio Lower Upper

82 100

128 48.8 35.9 53.9

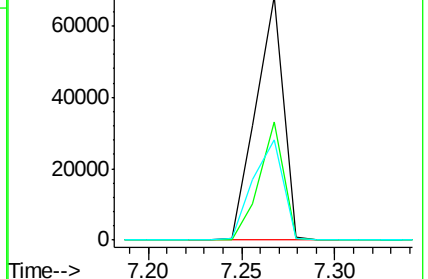
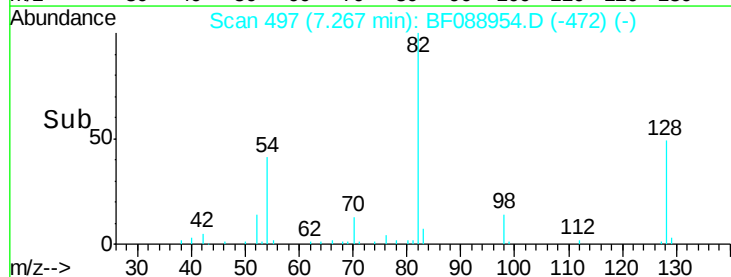
54 41.0 40.9 61.3

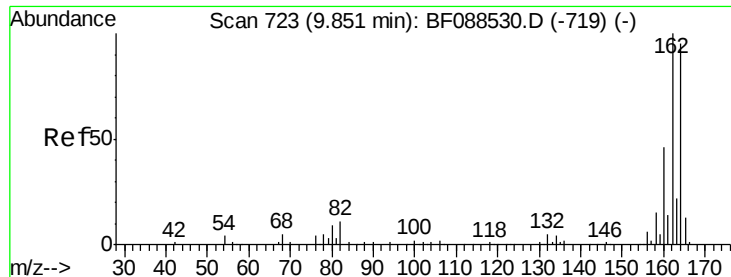


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

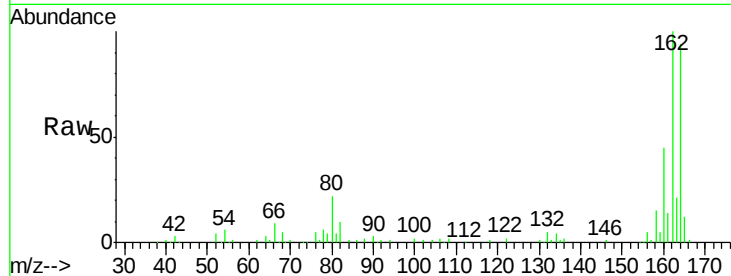




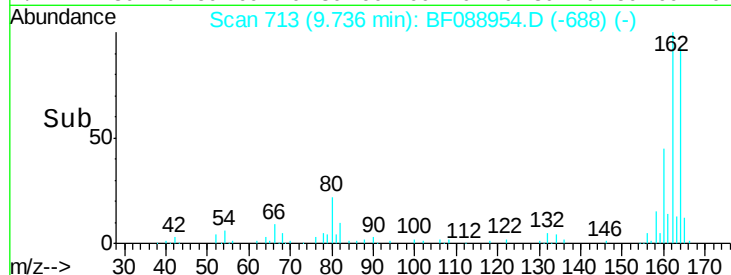
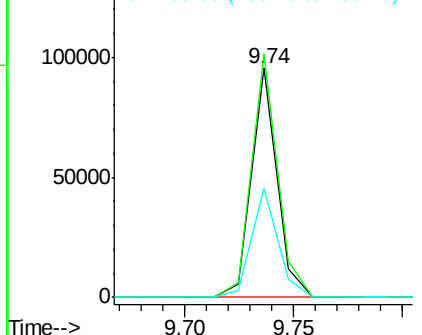
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 77743
 Ion Ratio Lower Upper
 164 100
 162 106.3 85.4 128.2
 160 47.5 39.5 59.3

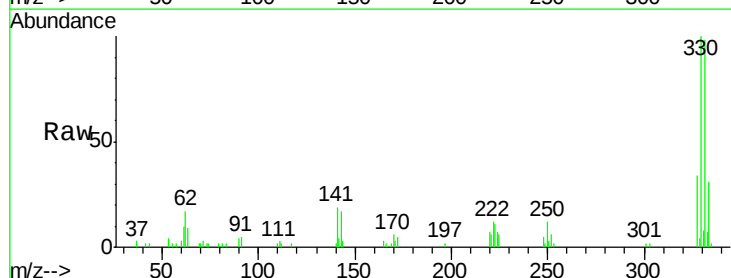


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

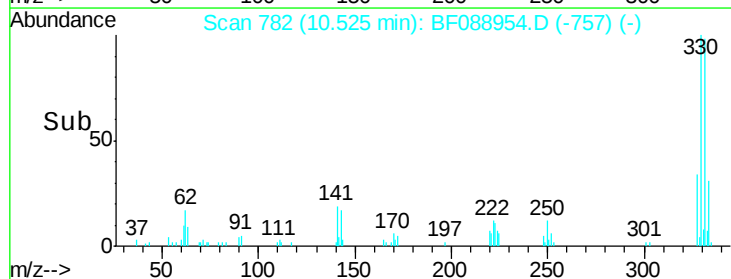
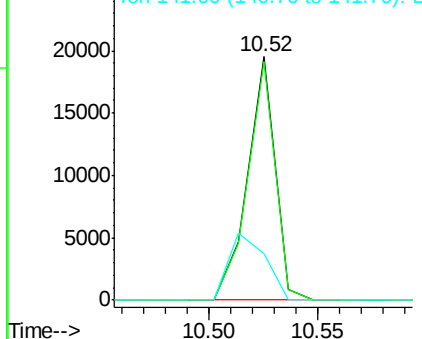


#41
 2,4,6-Tribromophenol
 Concen: 23.81 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

Tgt Ion:330 Resp: 17192
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 36.2 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

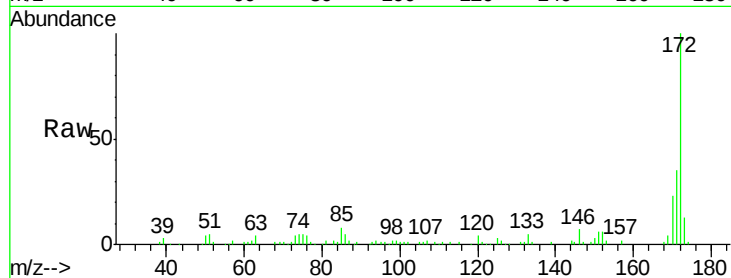




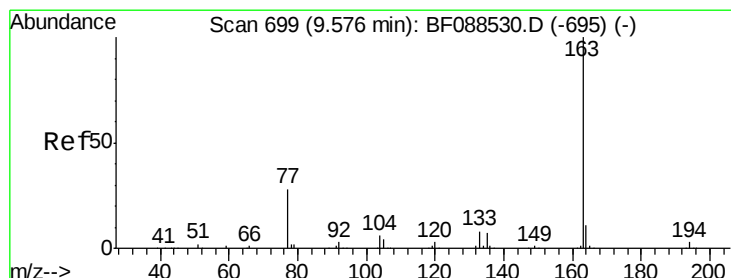
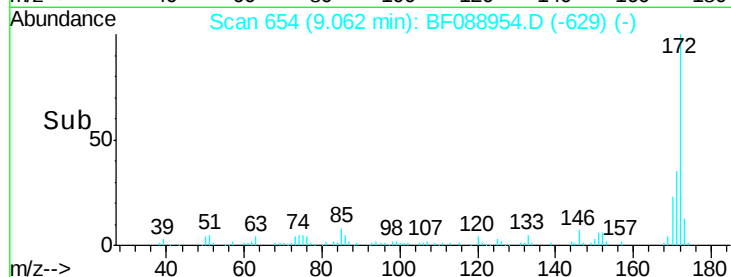
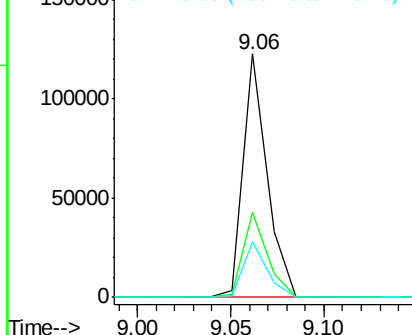
#44
2-Fluorobiphenyl
Concen: 22.29 ng
RT: 9.06 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF088954.D
Acq: 13 Jul 2016 10:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 109710
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 22.7 19.2 28.8

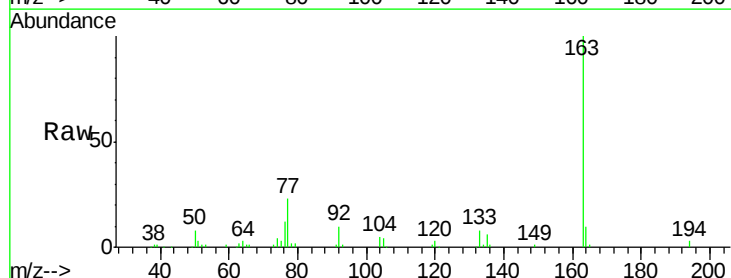


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

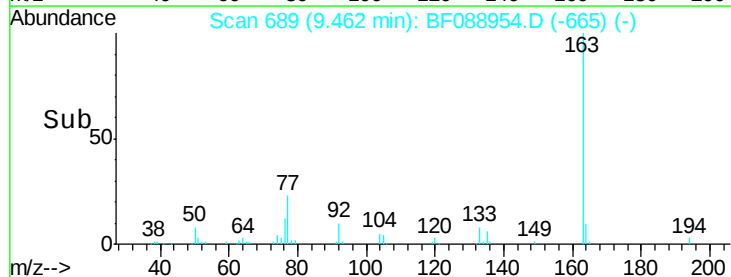
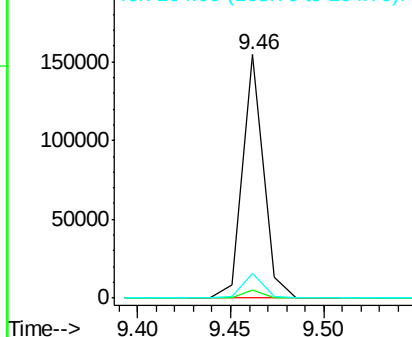


#49
Dimethylphthalate
Concen: 21.82 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF088954.D
Acq: 13 Jul 2016 10:00

Tgt Ion:163 Resp: 120850
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 9.9 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

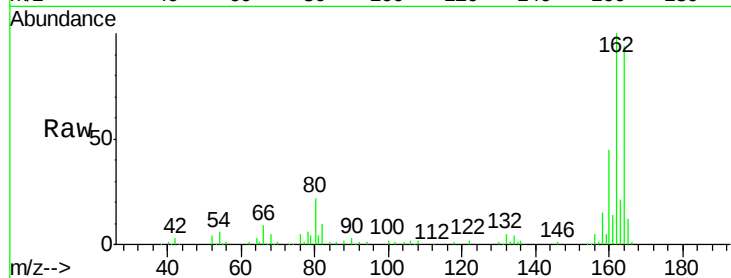




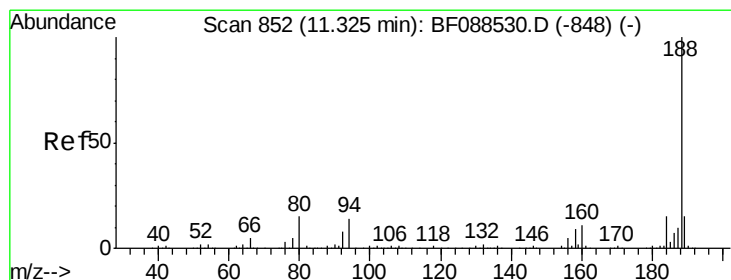
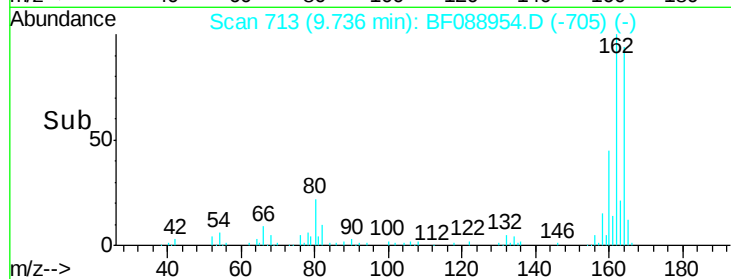
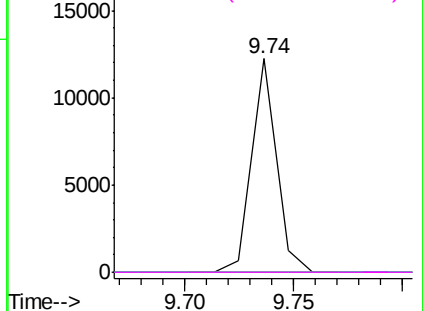
#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.21 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 9744
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.0 33.0#
 89 0.0 41.1 61.7#
 182 0.0 2.0 3.0#



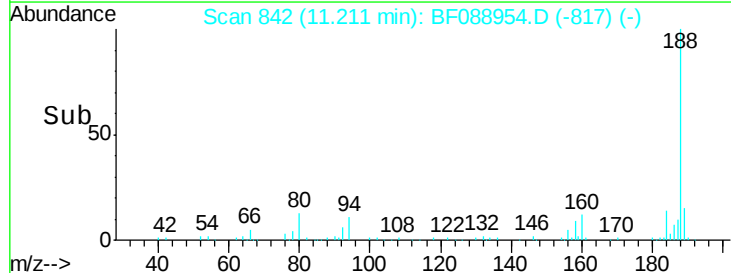
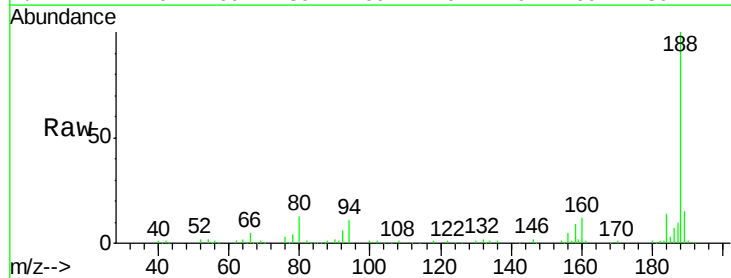
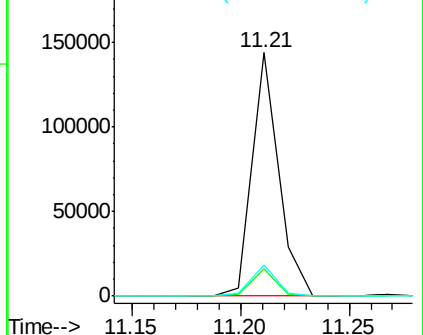
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

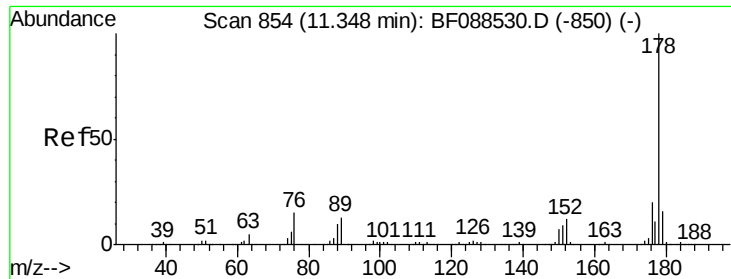


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

Tgt Ion:188 Resp: 122495
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.0 13.6
 80 12.6 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

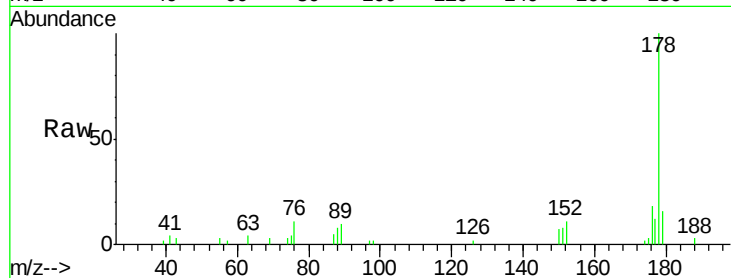




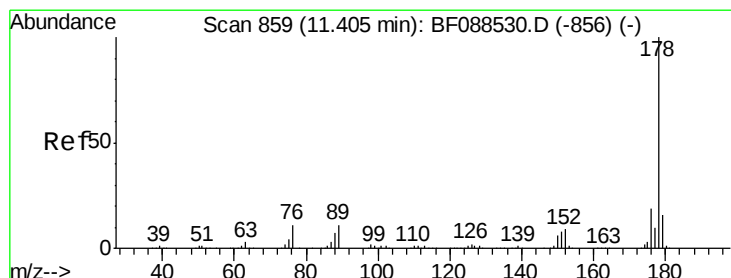
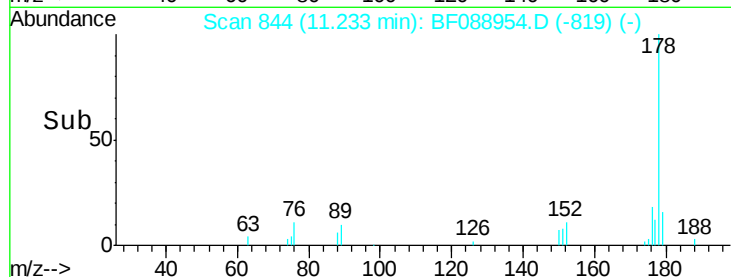
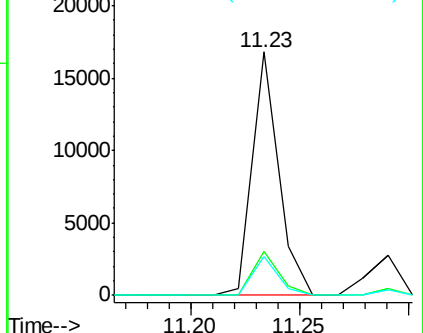
#70
Phenanthrene
Concen: 2.12 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088954.D
Acq: 13 Jul 2016 10:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 14187
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 16.1 13.0 19.4

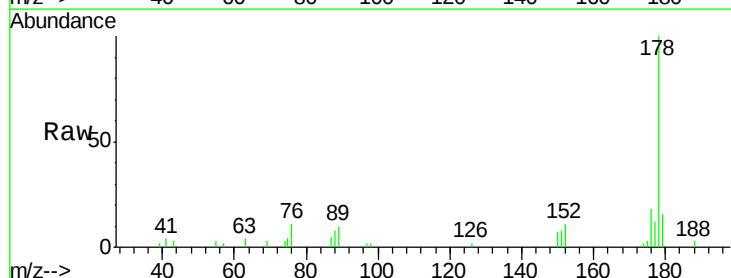


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

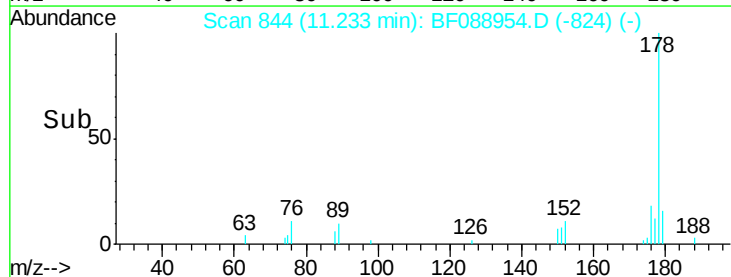
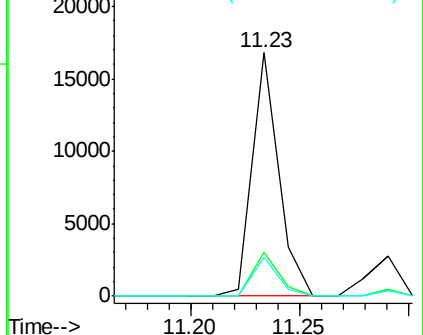


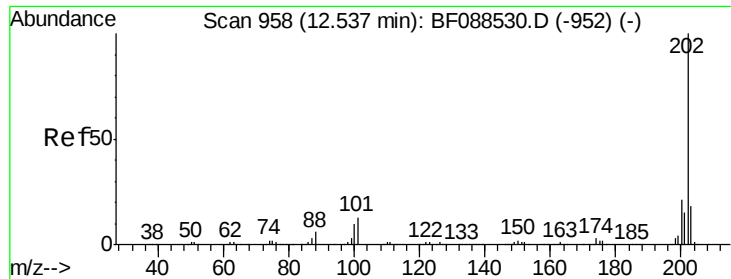
#71
Anthracene
Concen: 2.13 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.07 min
Lab File: BF088954.D
Acq: 13 Jul 2016 10:00

Tgt Ion:178 Resp: 14187
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 16.1 12.8 19.2



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

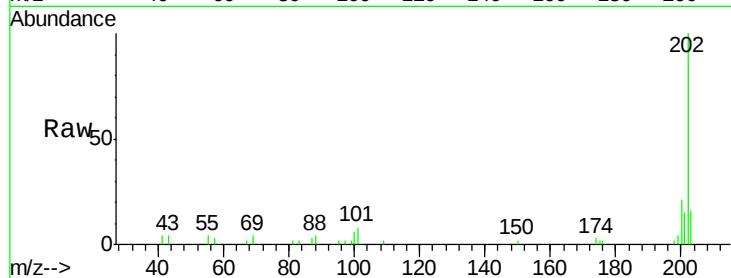




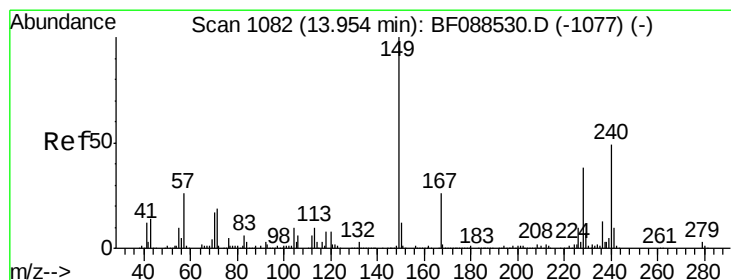
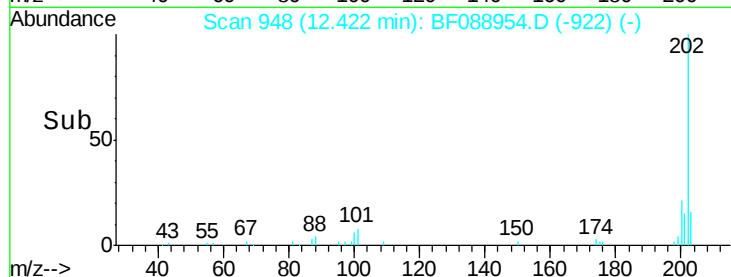
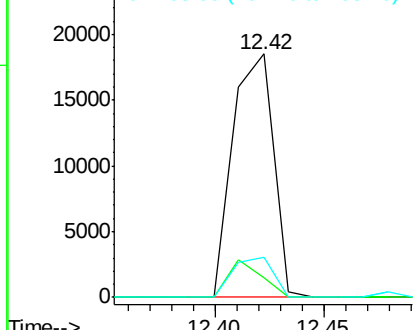
#74
 Fluoranthene
 Concen: 3.53 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 23992
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 33.1
 203 16.4 0.0 38.1

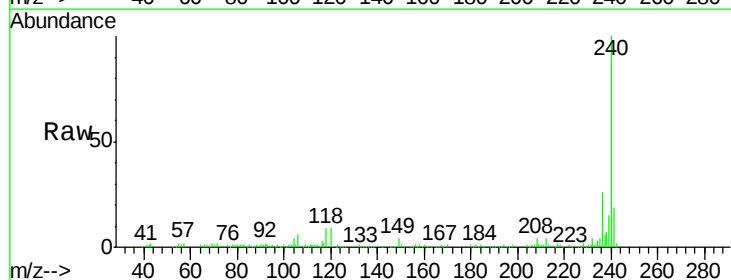


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

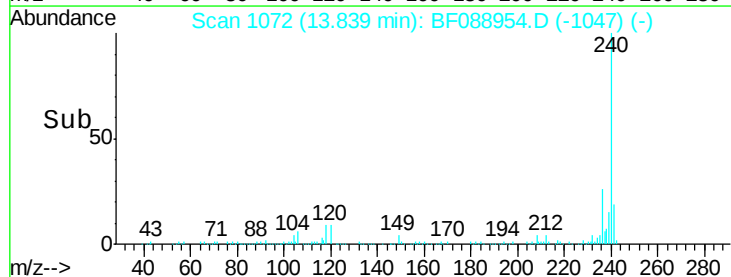
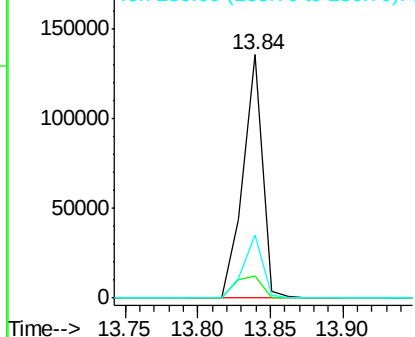


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

Tgt Ion:240 Resp: 126920
 Ion Ratio Lower Upper
 240 100
 120 8.9 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

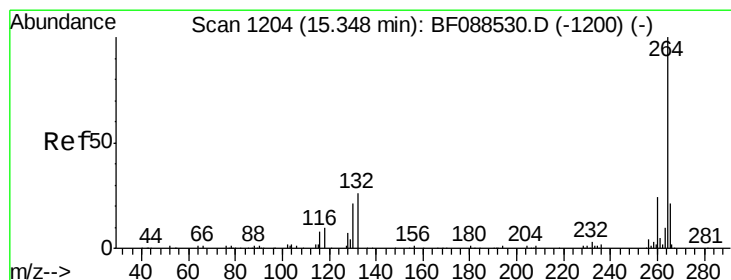
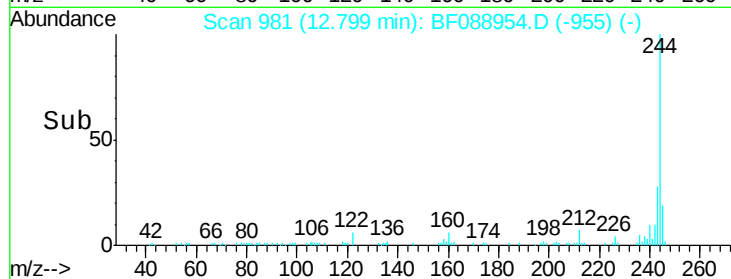
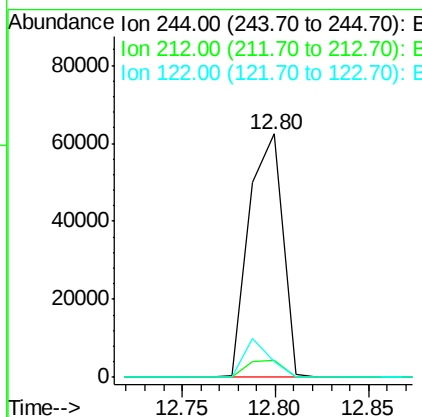
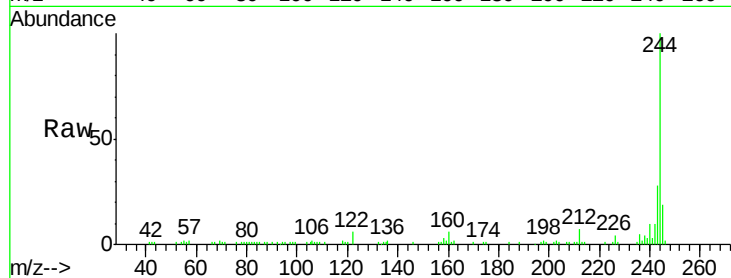




#78
 Terphenyl-d14
 Concen: 13.69 ng
 RT: 12.80 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

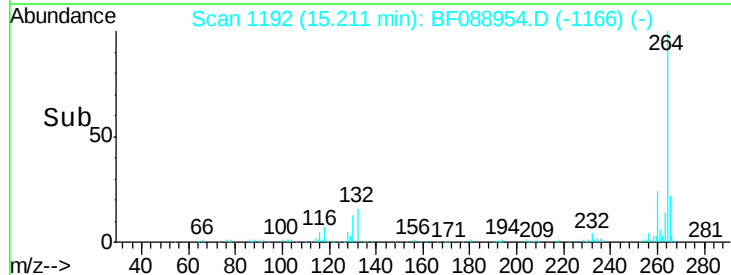
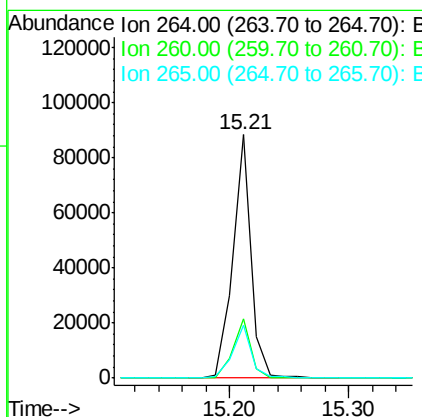
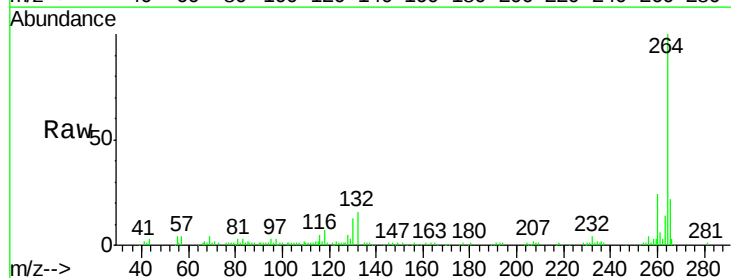
Instrument :
 BNA_F
 ClientSampleId :

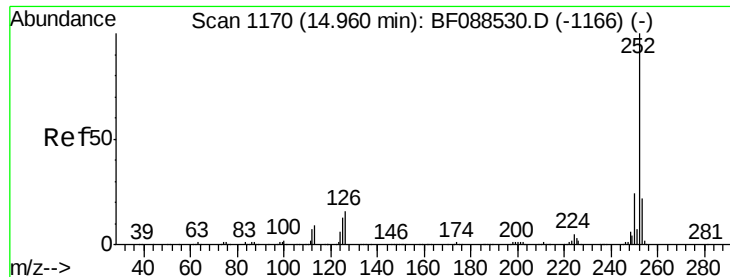
Tot Ion:244 Resp: 78005
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 6.2 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF088954.D
 Acq: 13 Jul 2016 10:00

Tgt Ion:264 Resp: 93732
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.6 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 2.89 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF088954.D

Acq: 13 Jul 2016 10:00

Instrument :

BNA_F

ClientSampleId :

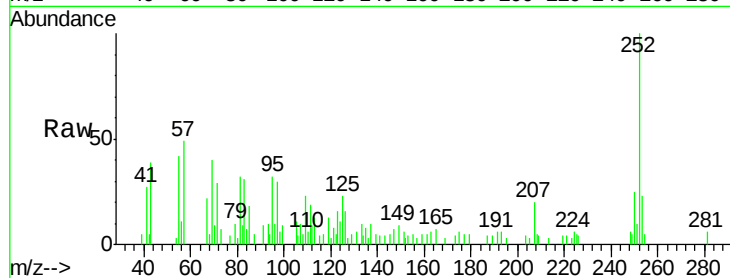
Tot Ion:252 Resp: 17009

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

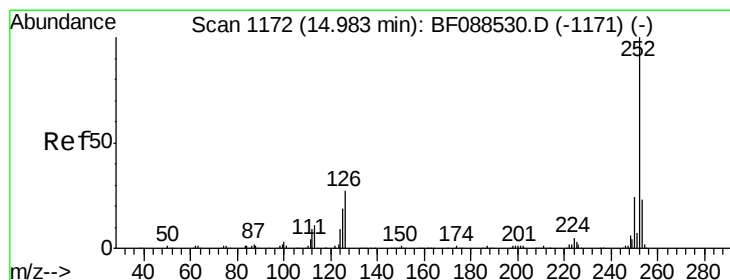
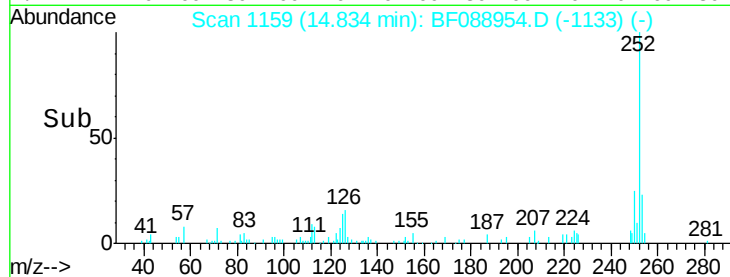
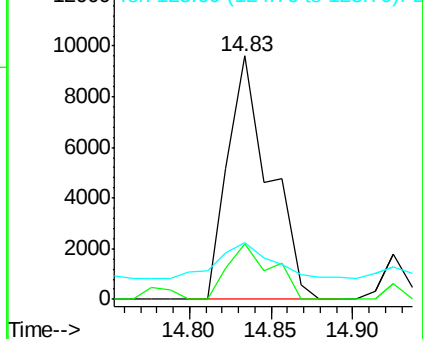
125 23.1 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 3.32 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088954.D

Acq: 13 Jul 2016 10:00

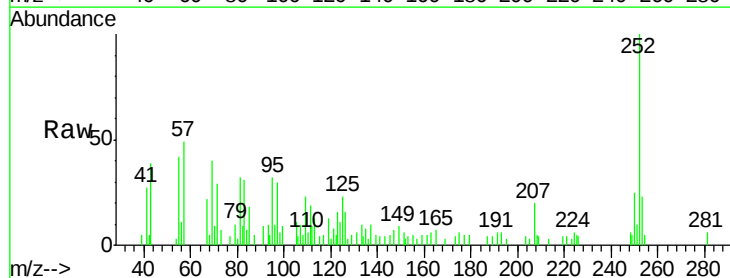
Tgt Ion:252 Resp: 17009

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 23.1 11.2 16.8#



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

