

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088662.D
 Acq On : 3 Jul 2016 22:21
 Operator : UM/SJ
 Sample : H3817-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 05:01:30 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

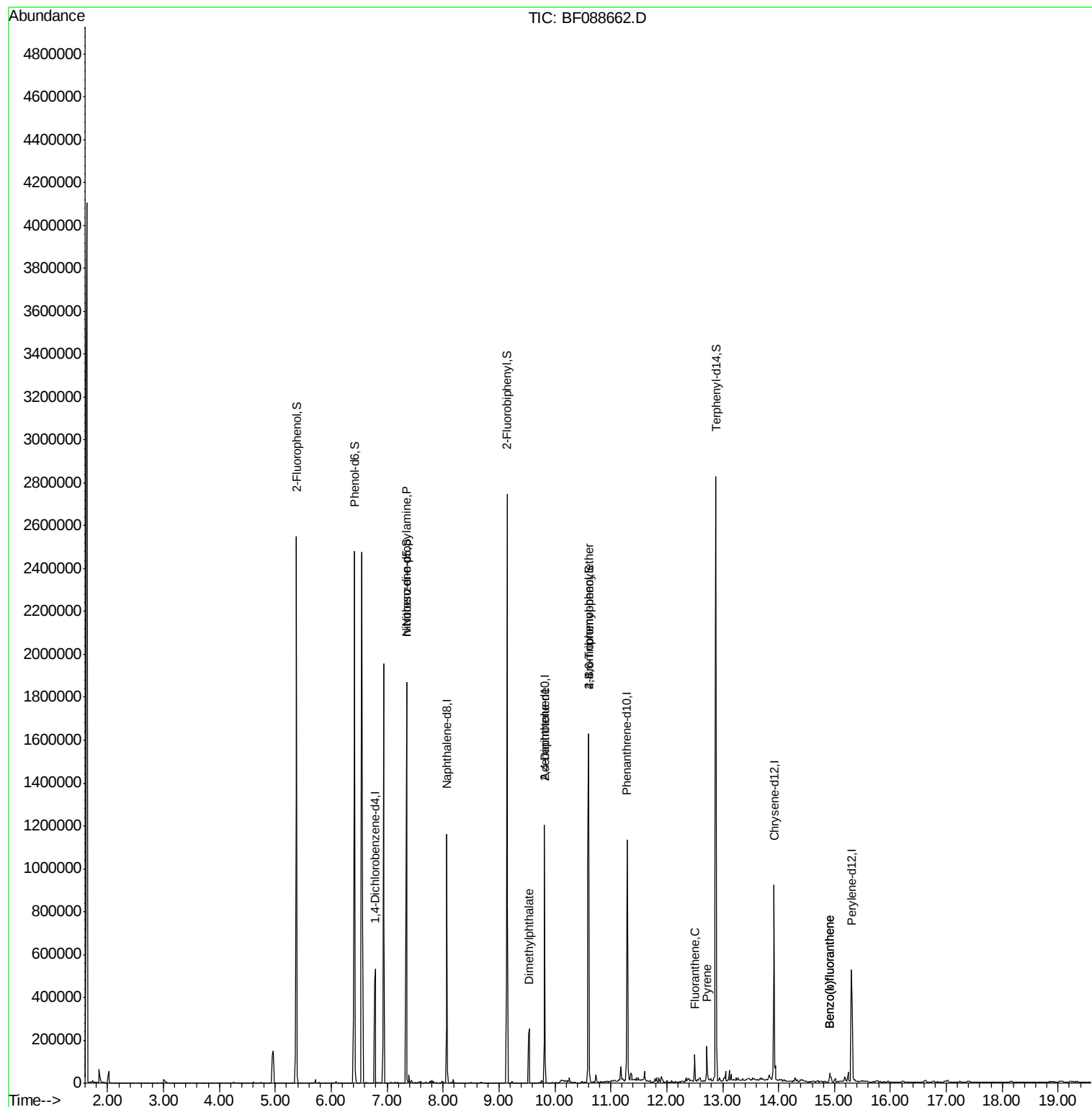
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	115409	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	483652	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	213806	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	383586	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	328992	20.00	ng	-0.03
86) Perylene-d12	15.30	264	252463	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	786321	102.11	ng	-0.02
7) Phenol-d6	6.42	99	1114153	111.97	ng	-0.02
23) Nitrobenzene-d5	7.35	82	685947	74.32	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	232758	117.23	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	923114	68.20	ng	-0.03
78) Terphenyl-d14	12.88	244	819310	55.47	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	92168	13.79	ng	# 72
49) Dimethylphthalate	9.54	163	155755	10.23	ng	97
56) 2,4-Dinitrotoluene	9.82	165	27213	6.17	ng	# 38
66) 4-Bromophenyl-phenylether	10.60	248	16375	4.24	ng	# 1
74) Fluoranthene	12.50	202	63657	2.99	ng	93
77) Pyrene	12.72	202	62128	2.23	ng	98
87) Benzo(b)fluoranthene	14.91	252	32132	2.03	ng	# 92
88) Benzo(k)fluoranthene	14.91	252	32132	2.33	ng	97

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

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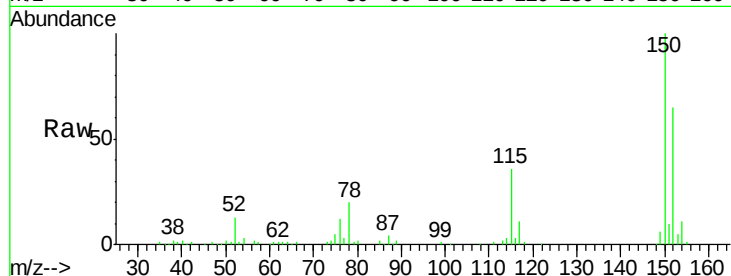


#1

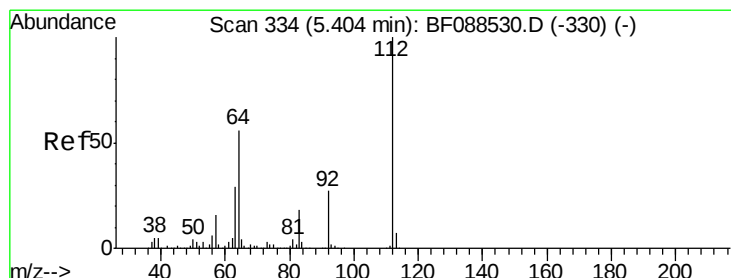
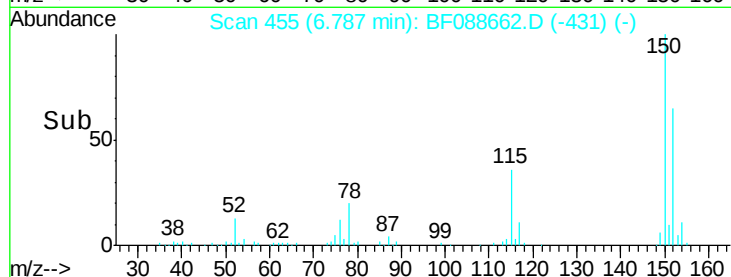
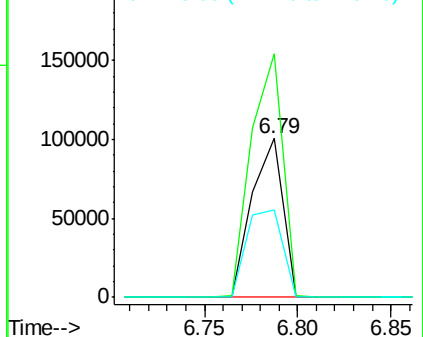
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088662.D
Acq: 3 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115409
Ion Ratio Lower Upper
152 100
150 153.6 123.8 185.6
115 55.2 39.6 59.4



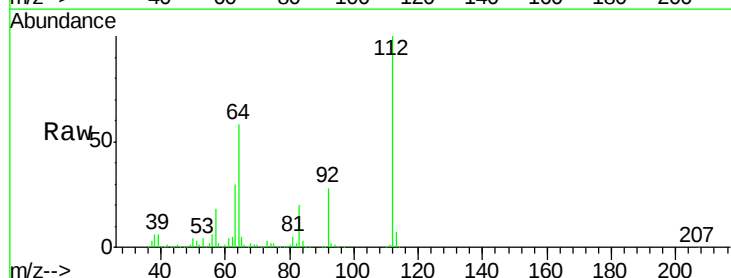
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



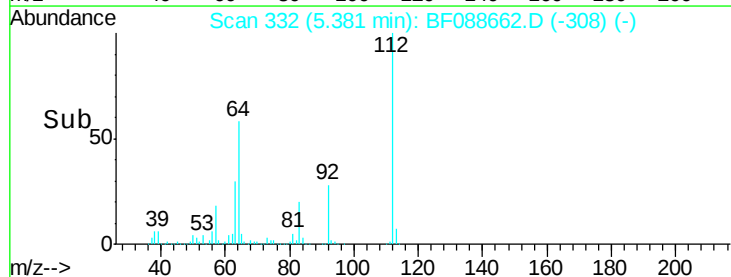
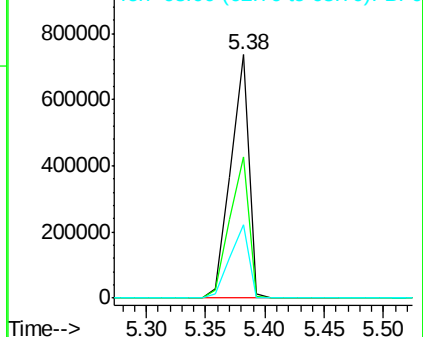
#5

2-Fluorophenol
Concen: 102.11 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088662.D
Acq: 3 Jul 2016 22:21

Tgt Ion:112 Resp: 786321
Ion Ratio Lower Upper
112 100
64 58.2 42.2 63.2
63 30.4 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: 111.97 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

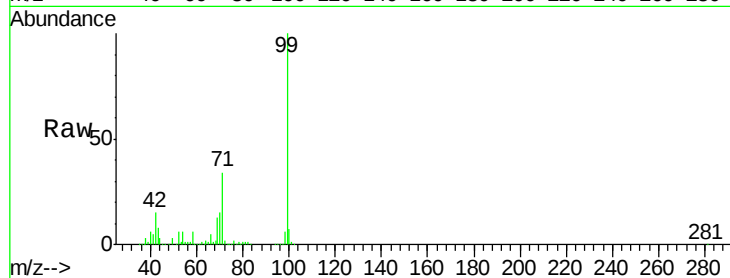
Tot Ion: 99 Resp: 1114153

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

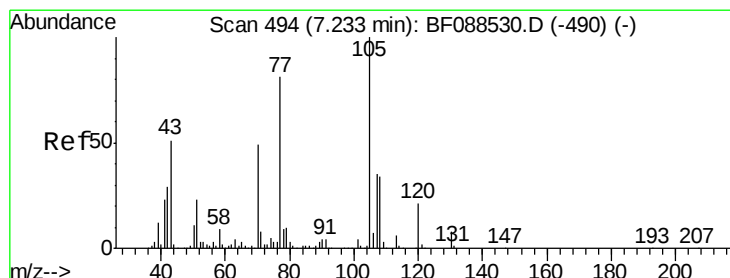
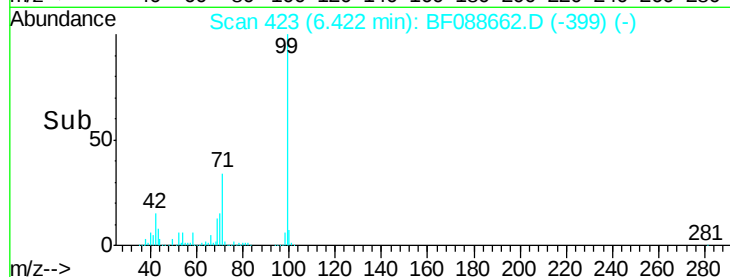
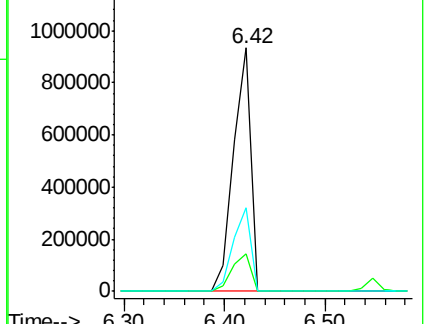
71 34.1 23.4 35.0



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: 13.79 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.11 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

Tgt Ion: 70 Resp: 92168

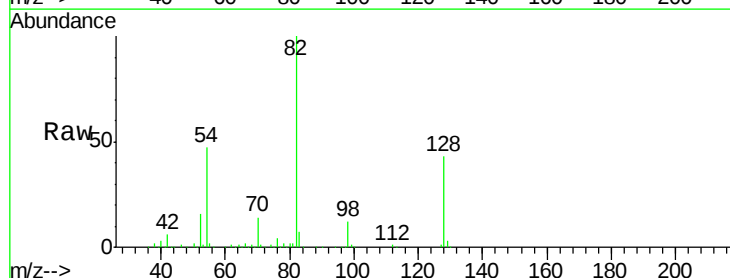
Ion Ratio Lower Upper

70 100

42 42.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

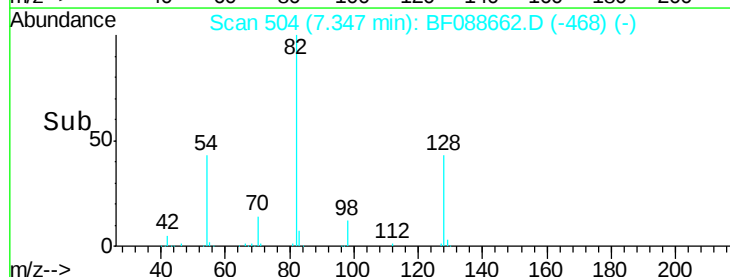
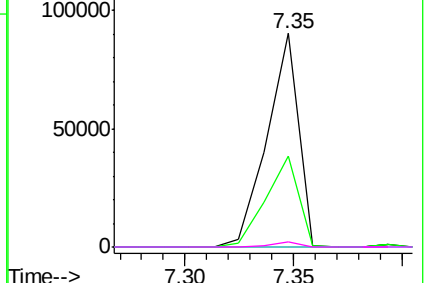


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.07 min Scan# 567

Delta R.T. -0.03 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 483652

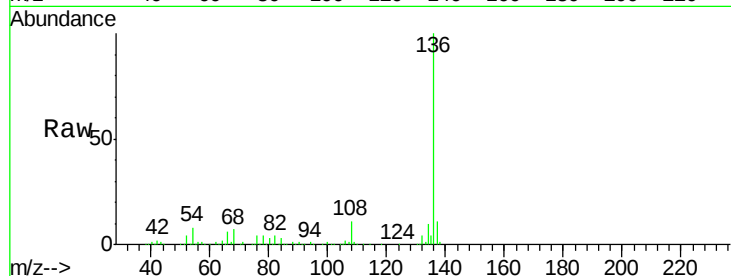
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.8 6.6 10.0

68 6.7 5.1 7.7

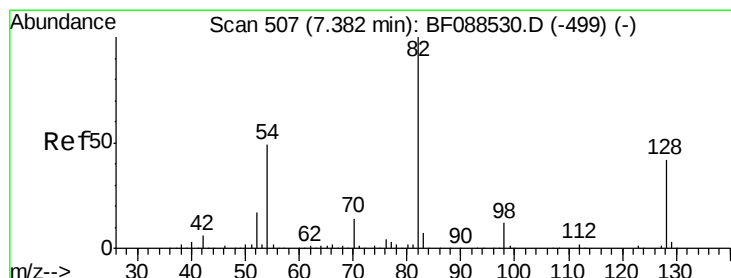
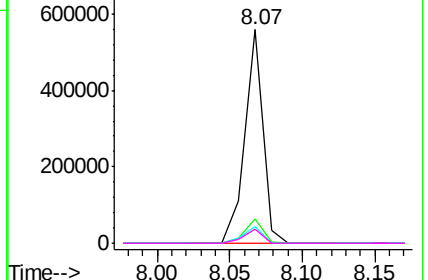
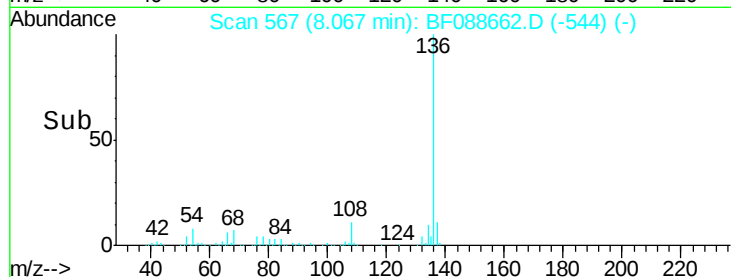


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.32 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

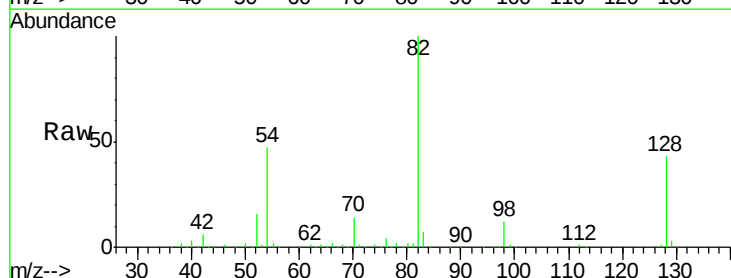
Tgt Ion: 82 Resp: 685947

Ion Ratio Lower Upper

82 100

128 43.3 35.9 53.9

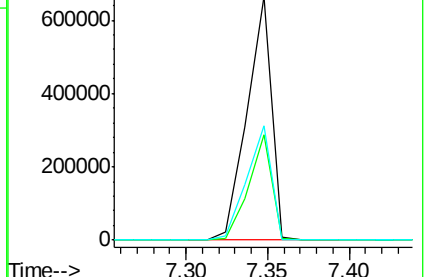
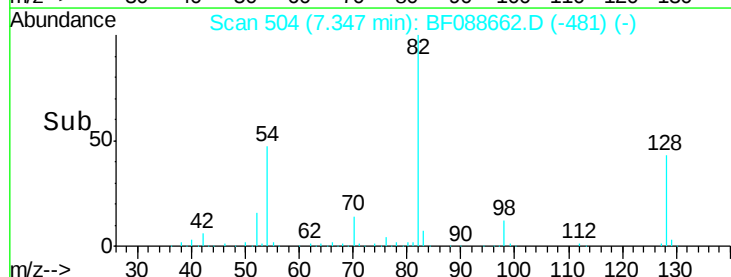
54 46.9 40.9 61.3

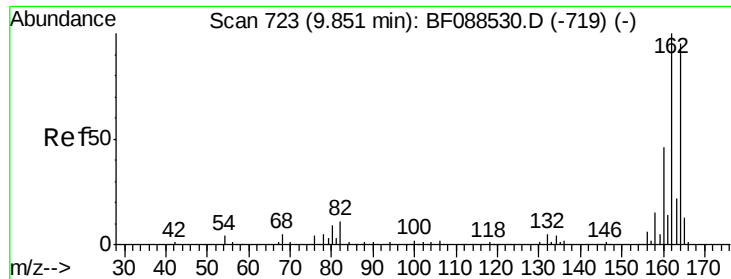


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

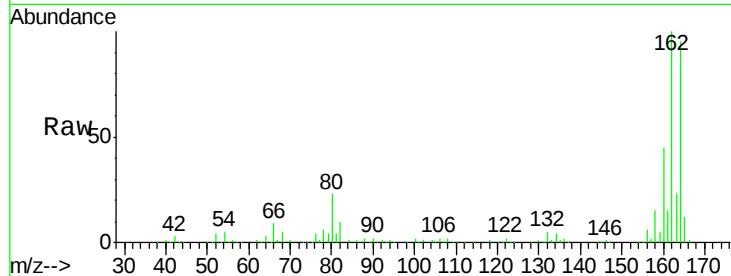




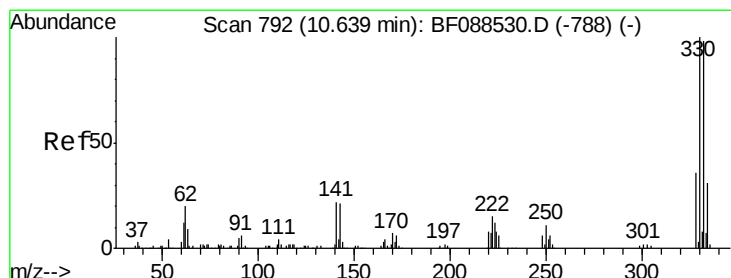
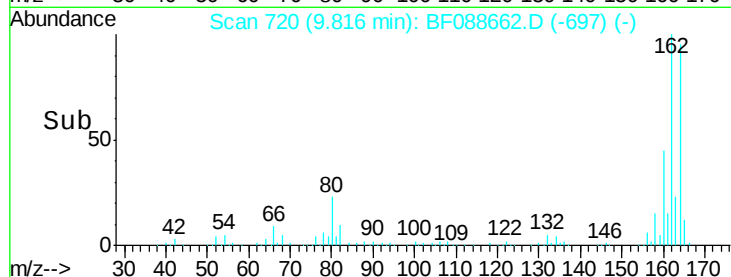
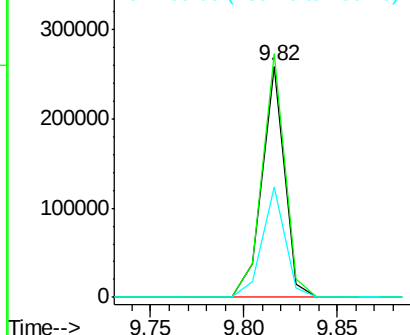
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: BF088662.D
 Acq: 3 Jul 2016 22:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 213806
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.4 128.2
 160 47.8 39.5 59.3

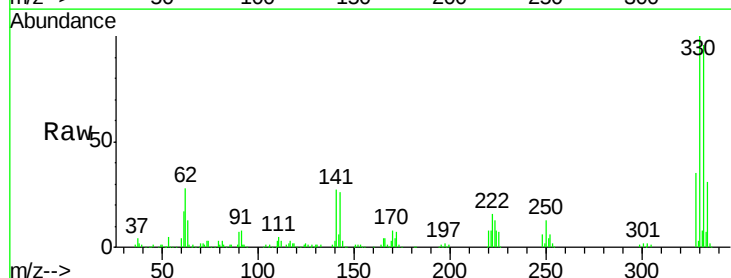


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

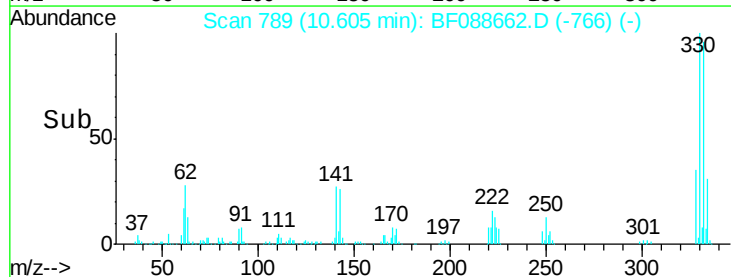
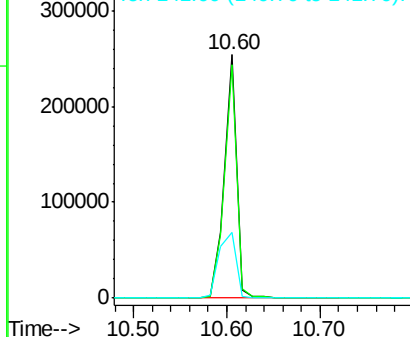


#41
 2,4,6-Tribromophenol
 Concen: 117.23 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF088662.D
 Acq: 3 Jul 2016 22:21

Tgt Ion:330 Resp: 232758
 Ion Ratio Lower Upper
 330 100
 332 95.9 0.0 0.0#
 141 38.1 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

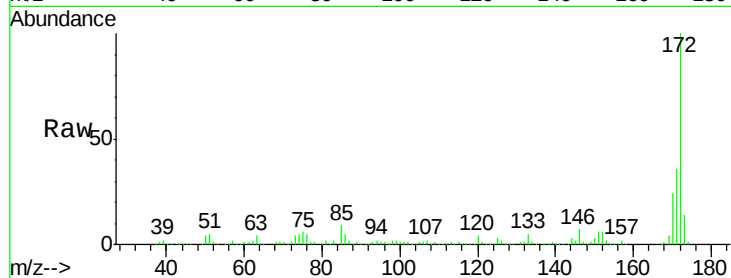




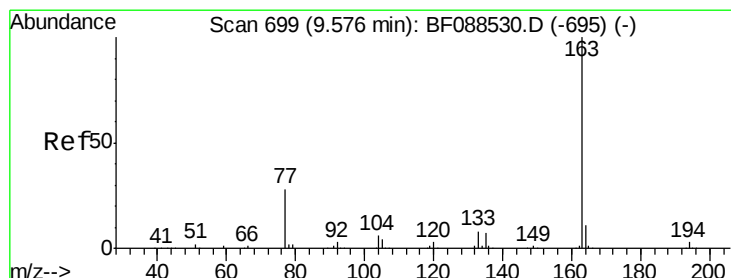
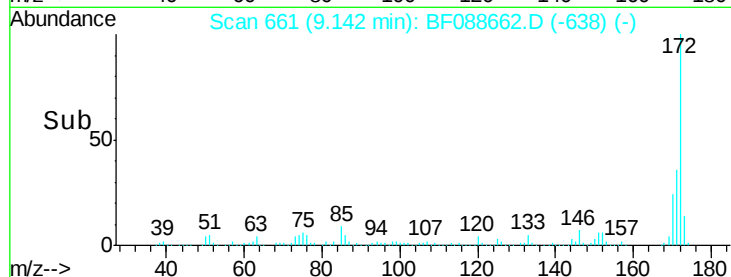
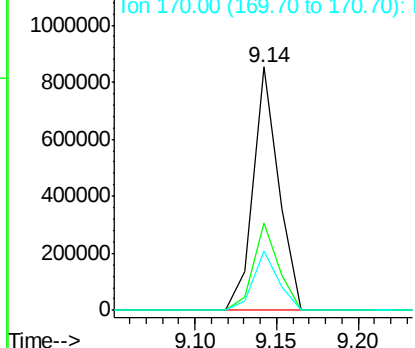
#44
2-Fluorobiphenyl
Concen: 68.20 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF088662.D
Acq: 3 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 923114
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.2 19.2 28.8

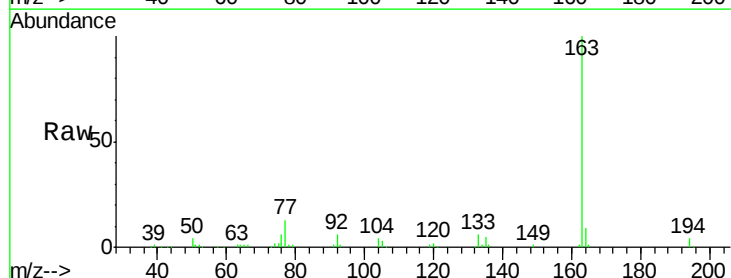


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

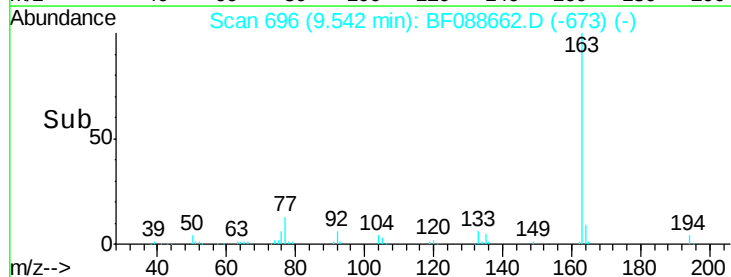
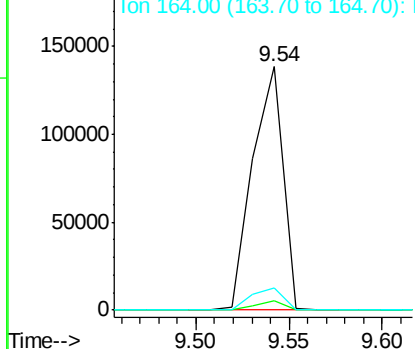


#49
Dimethylphthalate
Concen: 10.23 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088662.D
Acq: 3 Jul 2016 22:21

Tgt Ion:163 Resp: 155755
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.2 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

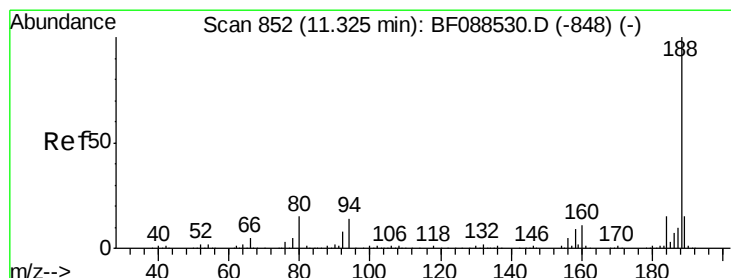
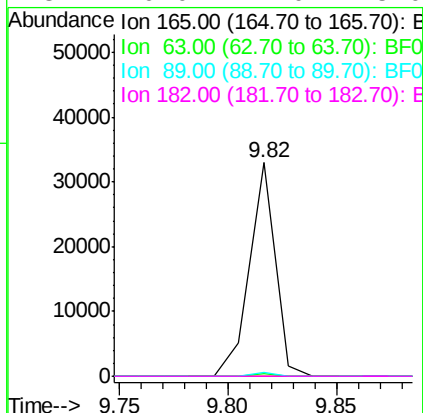
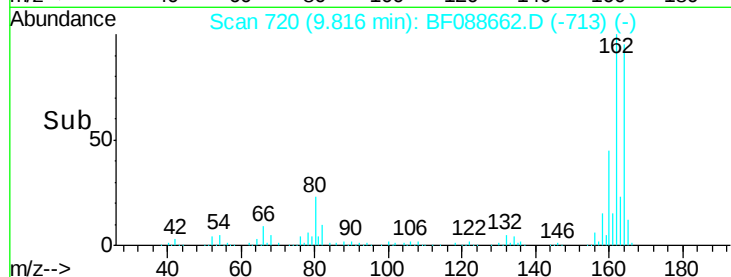
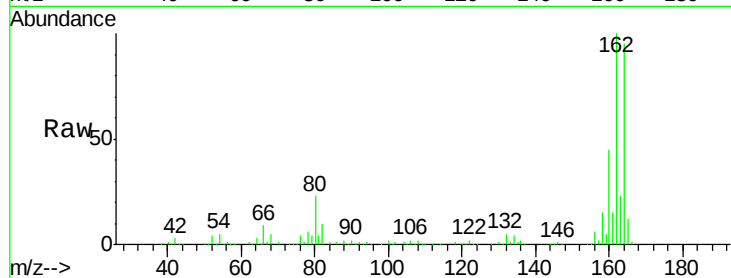




#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.22 min
 Lab File: BF088662.D
 Acq: 3 Jul 2016 22:21

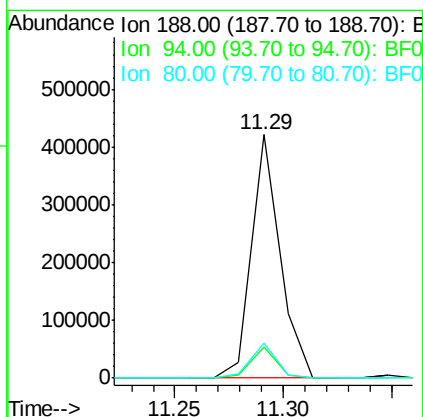
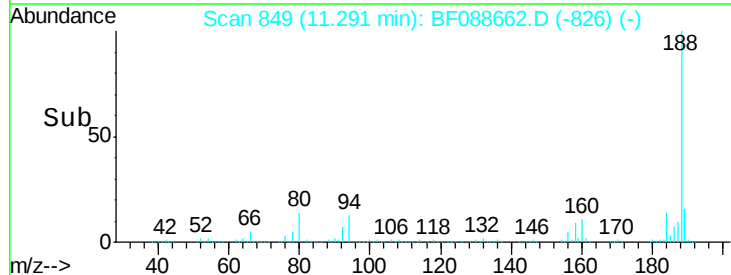
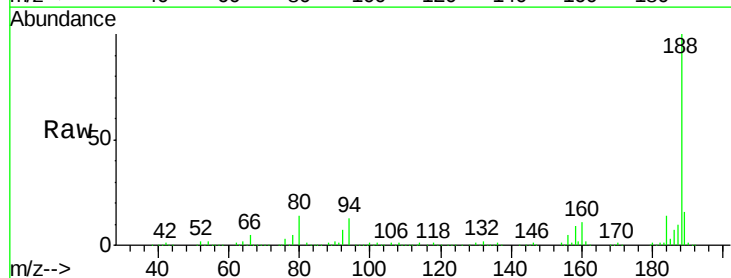
Instrument :
 BNA_F
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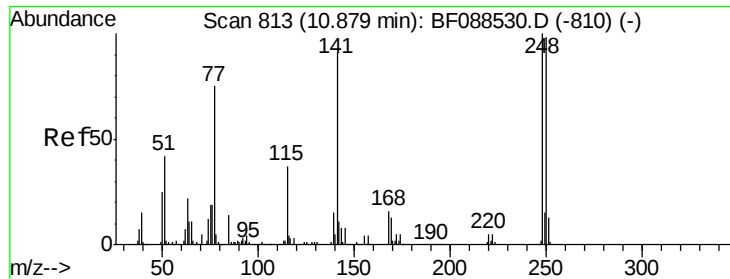
Tot Ion:165 Resp: 27213
 Ion Ratio Lower Upper
 165 100
 63 1.1 22.0 33.0#
 89 1.7 41.1 61.7#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.03 min
 Lab File: BF088662.D
 Acq: 3 Jul 2016 22:21

Tgt Ion:188 Resp: 383586
 Ion Ratio Lower Upper
 188 100
 94 12.6 9.0 13.6
 80 14.4 10.0 15.0

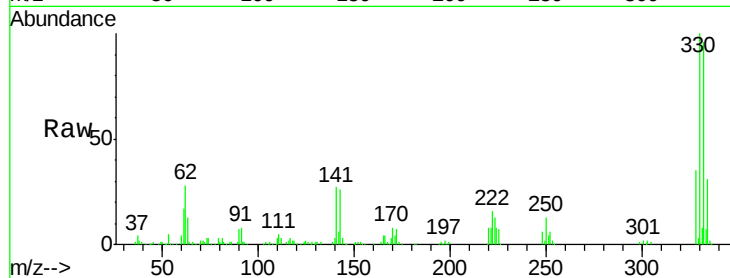




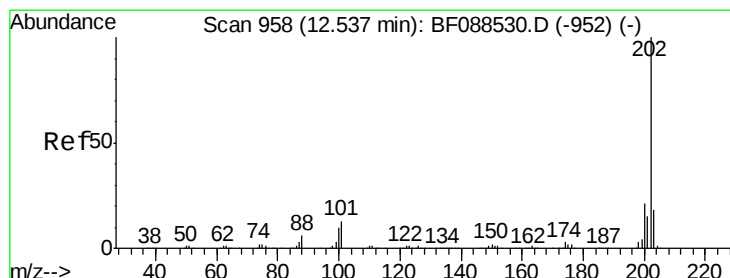
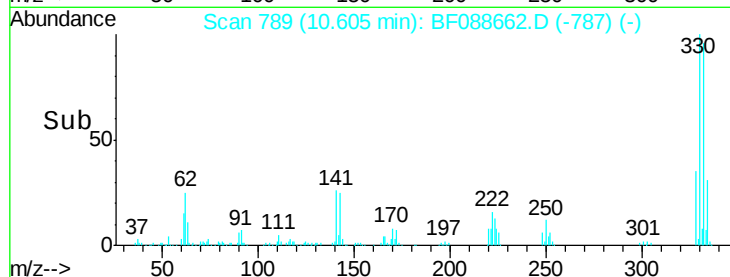
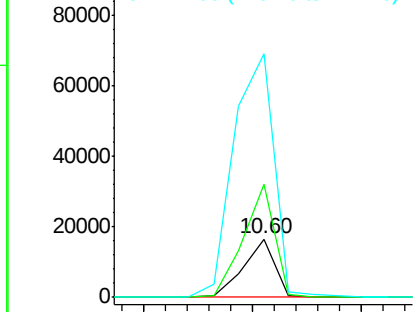
#66
4-Bromophenyl-phenylether
Concen: 4.24 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.27 min
Lab File: BF088662.D
Acq: 3 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16375
Ion Ratio Lower Upper
248 100
250 193.4 77.1 115.7#
141 418.3 50.6 76.0#

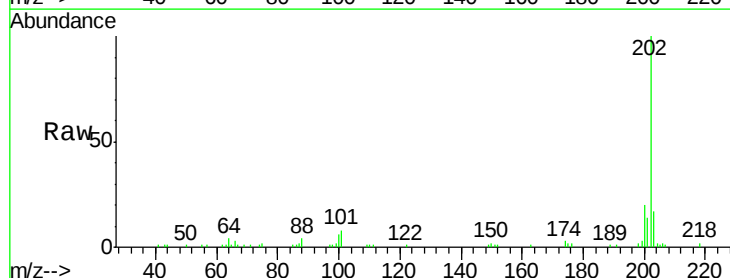


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

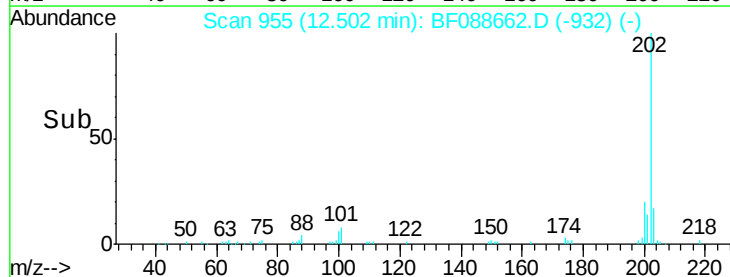
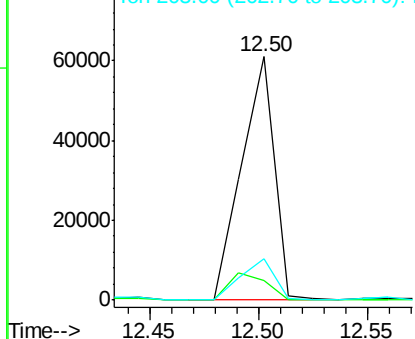


#74
Fluoranthene
Concen: 2.99 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF088662.D
Acq: 3 Jul 2016 22:21

Tgt Ion:202 Resp: 63657
Ion Ratio Lower Upper
202 100
101 8.2 0.0 33.1
203 17.1 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: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

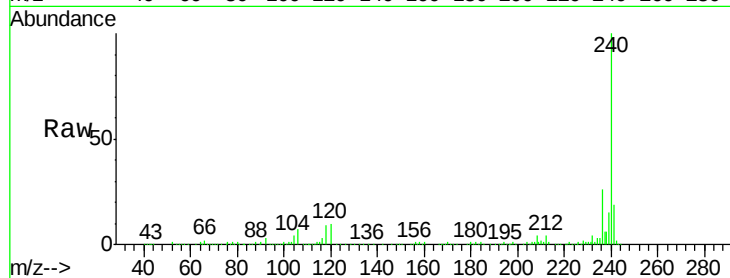
Tot Ion:240 Resp: 328992

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2

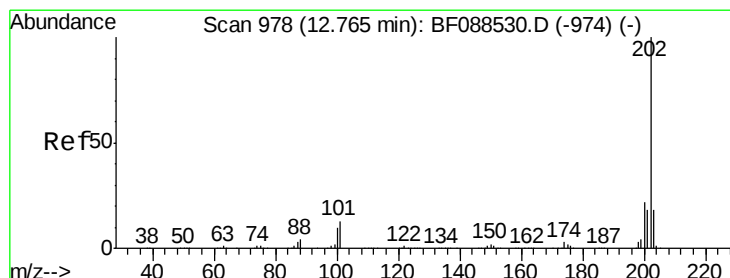
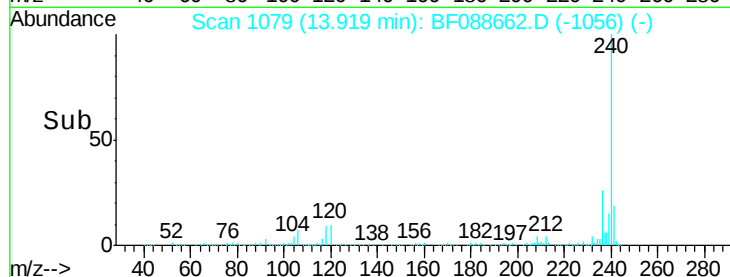
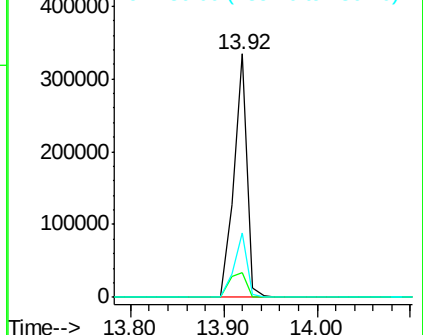
236 26.2 20.2 30.2



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



#77

Pyrene

Concen: 2.23 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.05 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

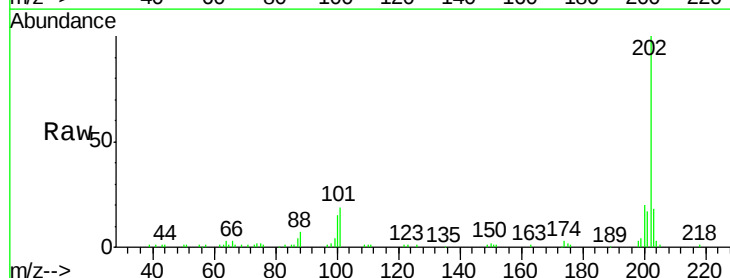
Tgt Ion:202 Resp: 62128

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

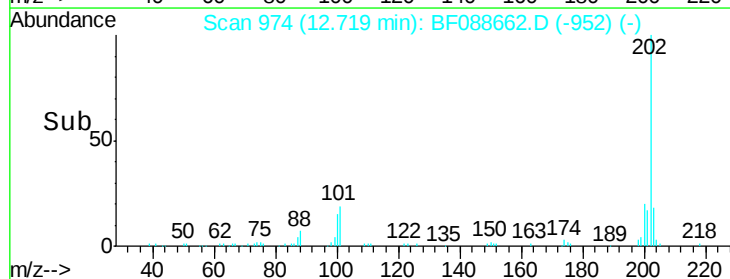
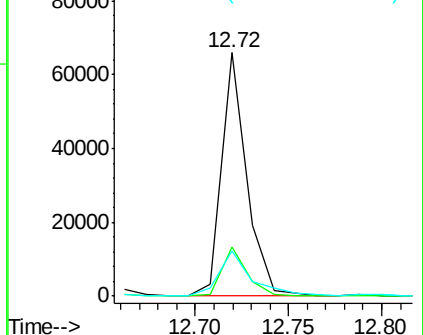
203 18.5 14.5 21.7



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

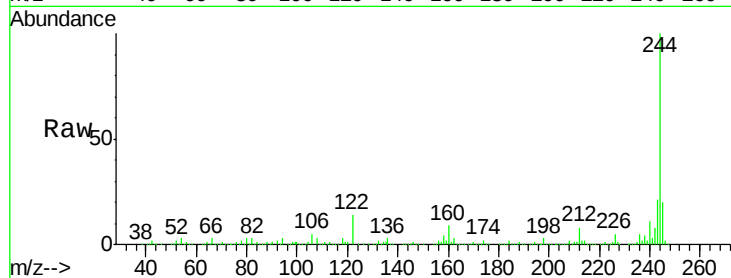




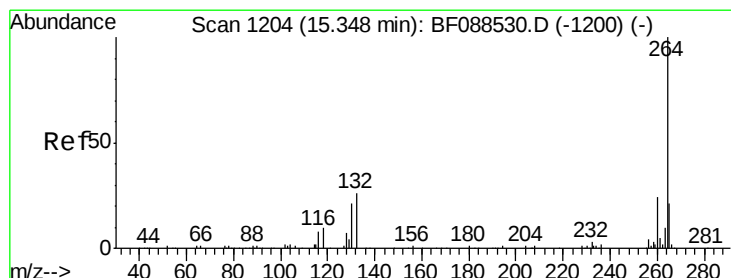
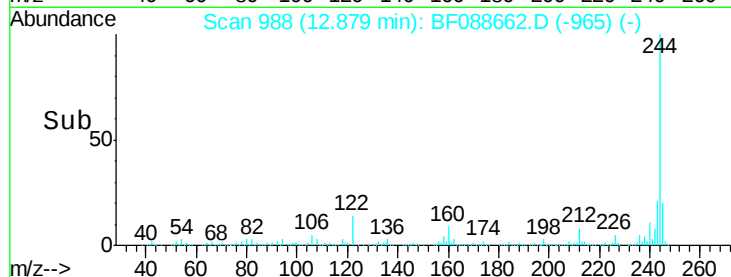
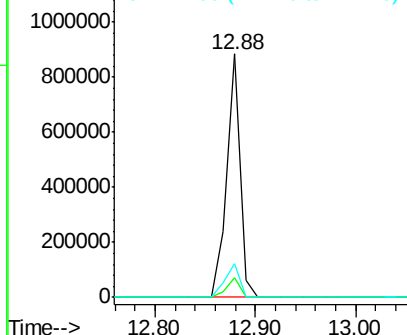
#78
 Terphenyl-d14
 Concen: 55.47 ng
 RT: 12.88 min Scan# 988
 Delta R.T. -0.03 min
 Lab File: BF088662.D
 Acq: 3 Jul 2016 22:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 819310
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 13.8 11.2 16.8

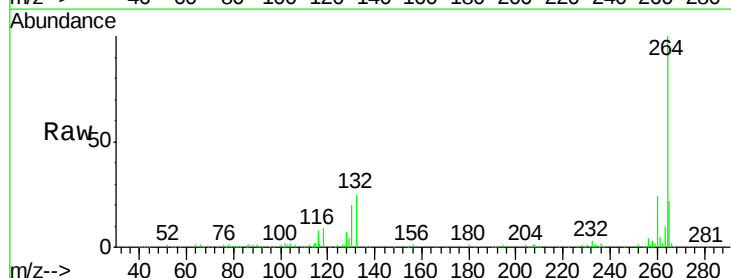


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

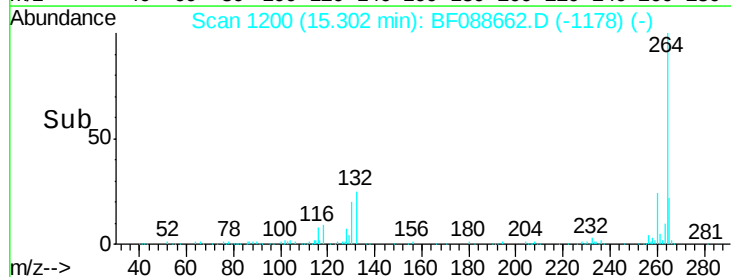
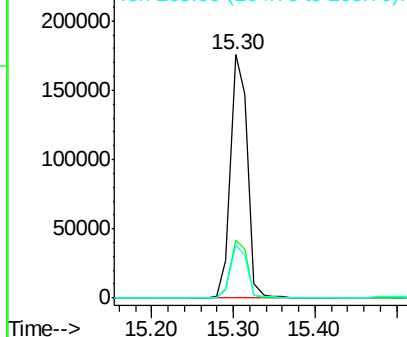


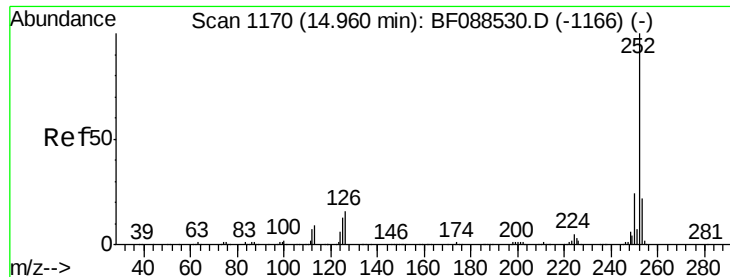
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1200
 Delta R.T. -0.05 min
 Lab File: BF088662.D
 Acq: 3 Jul 2016 22:21

Tgt Ion:264 Resp: 252463
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.8 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.03 ng

RT: 14.91 min Scan# 1166

Delta R.T. -0.05 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

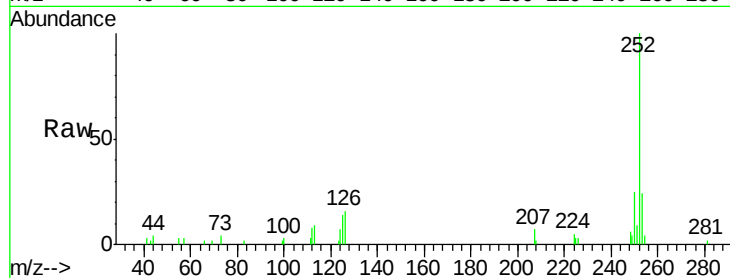
Tot Ion:252 Resp: 32132

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

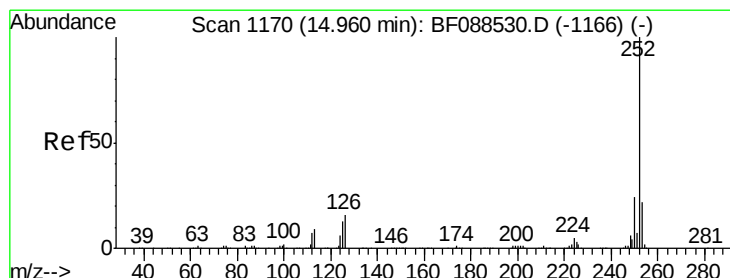
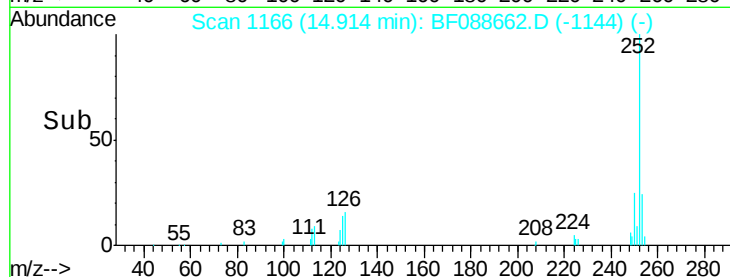
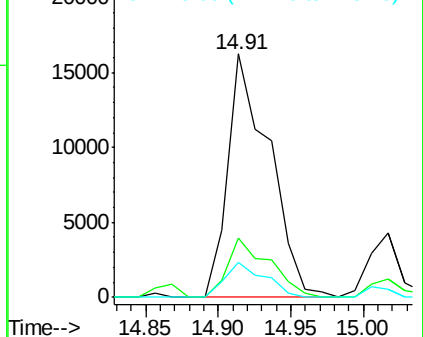
125 14.3 7.1 10.7#



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: 2.33 ng

RT: 14.91 min Scan# 1166

Delta R.T. -0.07 min

Lab File: BF088662.D

Acq: 3 Jul 2016 22:21

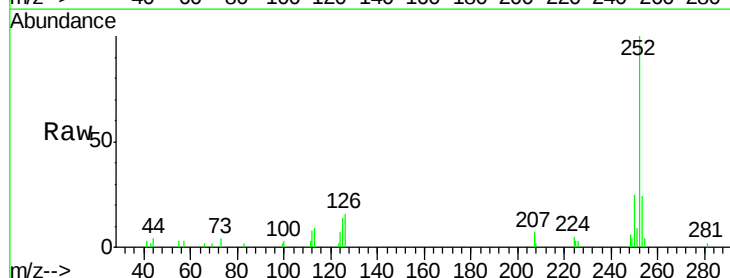
Tgt Ion:252 Resp: 32132

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 14.3 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

