

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
 Data File : BF088600.D
 Acq On : 2 Jul 2016 4:02
 Operator : UM/SJ
 Sample : H3816-16
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Quant Time: Jul 02 05:25:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 02 02:24:16 2016
 Response via : Initial Calibration

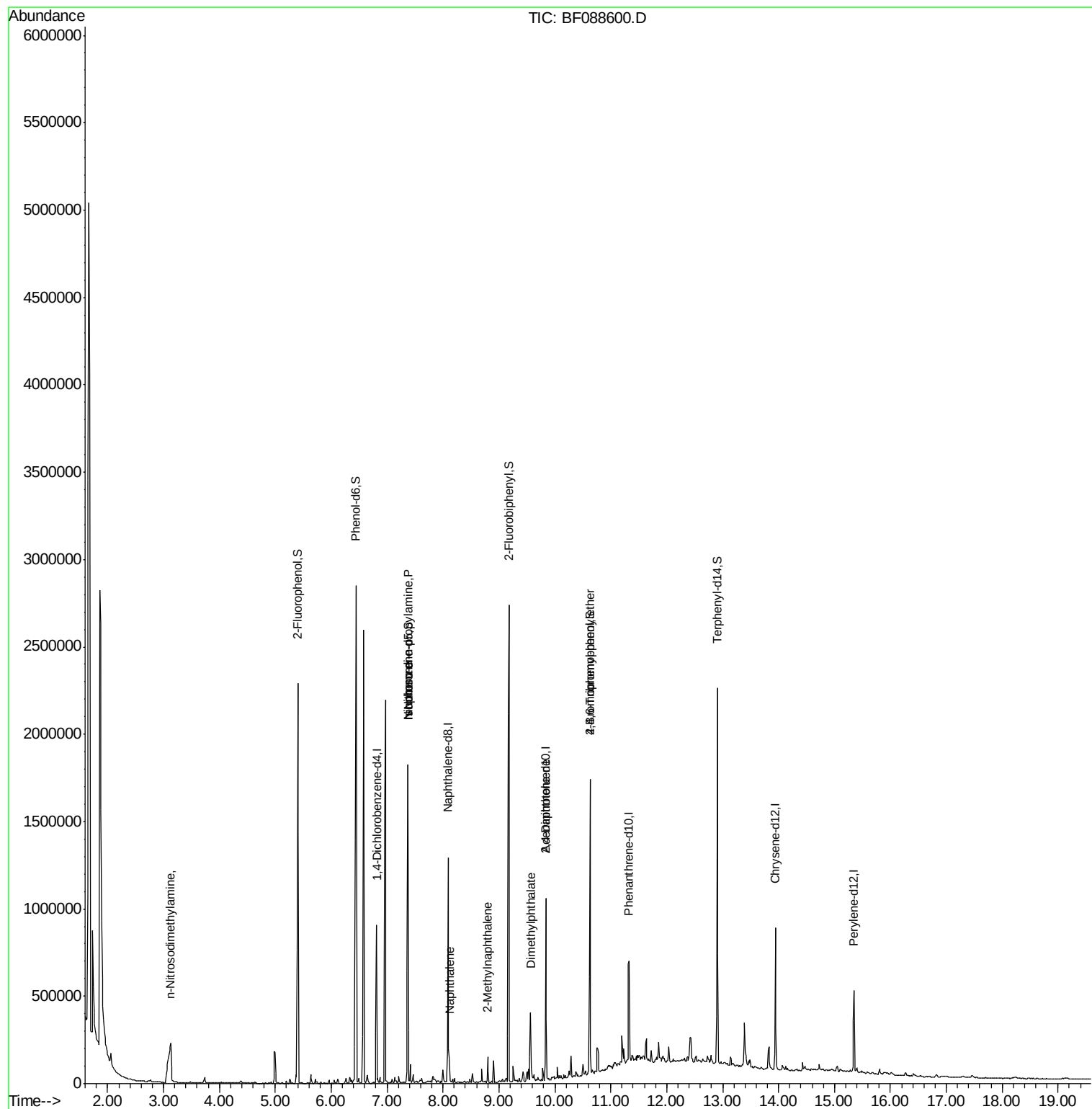
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	137160	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	500144	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	200433	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	312664	20.00	ng	0.00
75) Chrysene-d12	13.94	240	244738	20.00	ng	-0.01
86) Perylene-d12	15.35	264	207504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	919496	100.47	ng	0.01
7) Phenol-d6	6.44	99	1113178	94.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	672033	70.41	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	175559	94.32	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1186533	93.51	ng	0.00
78) Terphenyl-d14	12.90	244	658052	59.89	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.13	42	18720	3.72	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	92410	11.63	ng	# 73
25) Isophorone	7.37	82	507160	28.69	ng	# 65
31) Naphthalene	8.11	128	51174	2.08	ng	# 98
37) 2-Methylnaphthalene	8.80	142	44457	2.80	ng	# 95
49) Dimethylphthalate	9.56	163	164850	11.54	ng	# 98
56) 2,4-Dinitrotoluene	9.84	165	26763	6.47	ng	# 39
66) 4-Bromophenyl-phenylether	10.63	248	12666	4.02	ng	# 1

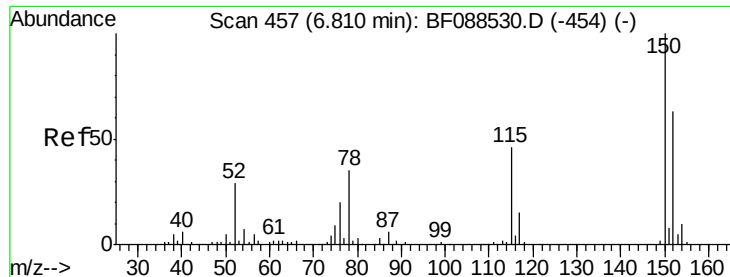
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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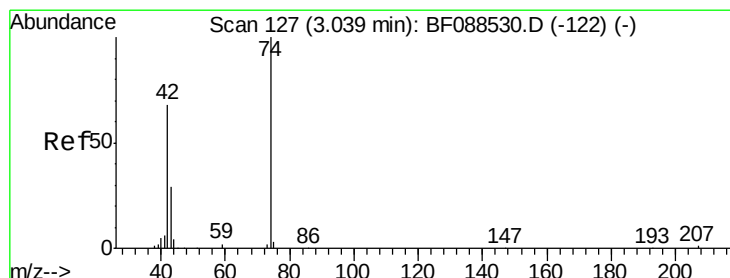
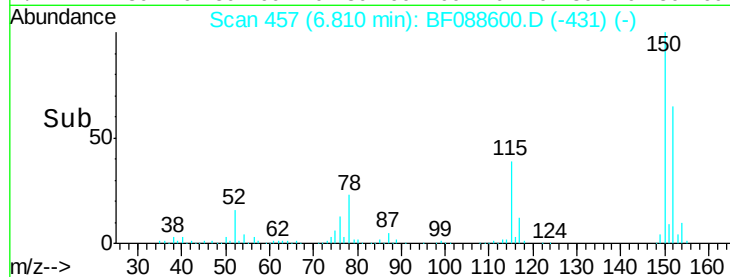
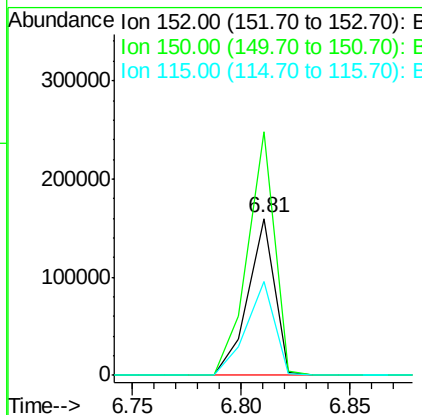
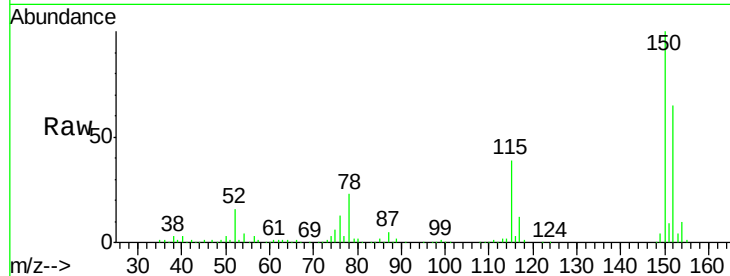


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF088600.D
 Acq: 2 Jul 2016 4:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

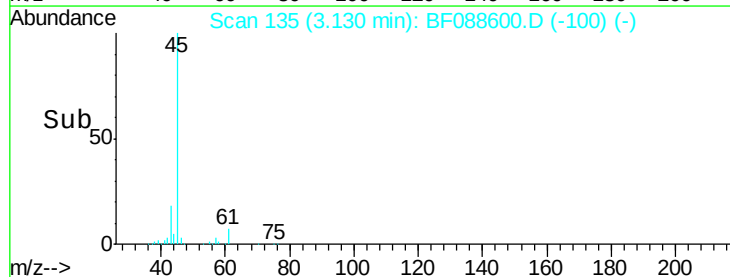
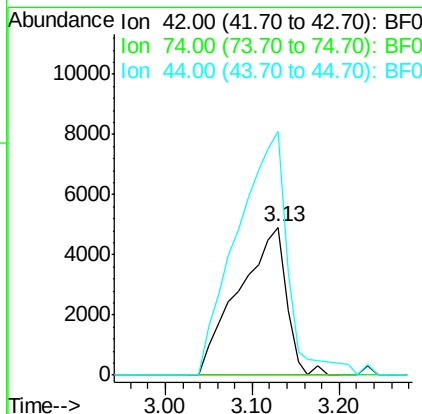
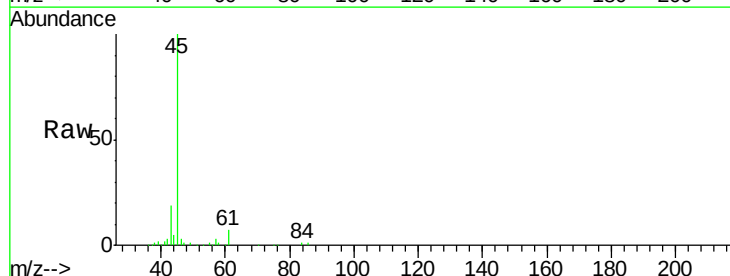
Tgt Ion:152 Resp: 137160
 Ion Ratio Lower Upper
 152 100
 150 155.0 123.8 185.6
 115 59.7 39.6 59.4#

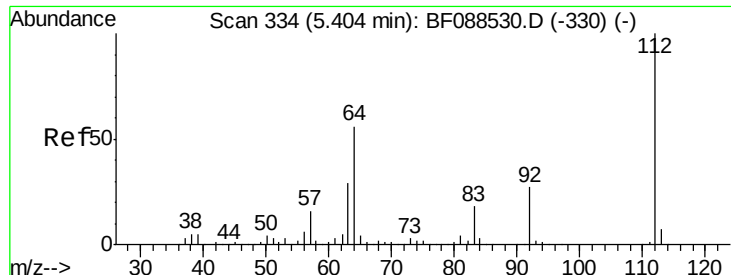


#4

n-Nitrosodimethylamine
 Concen: 3.72 ng
 RT: 3.13 min Scan# 135
 Delta R.T. 0.10 min
 Lab File: BF088600.D
 Acq: 2 Jul 2016 4:02

Tgt Ion: 42 Resp: 18720
 Ion Ratio Lower Upper
 42 100
 74 0.0 108.6 163.0#
 44 164.5 5.5 8.3#





#5

2-Fluorophenol

Concen: 100.47 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.01 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

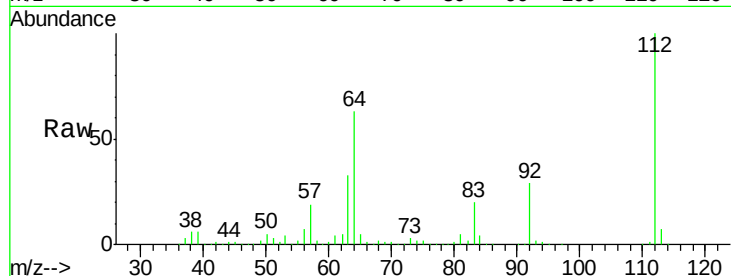
Tgt Ion: 112 Resp: 919496

Ion Ratio Lower Upper

112 100

64 62.9 42.2 63.2

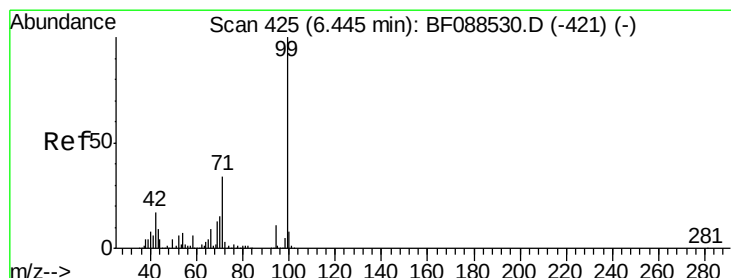
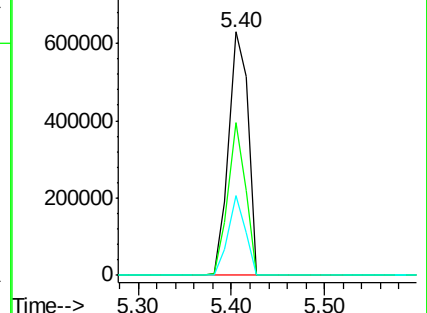
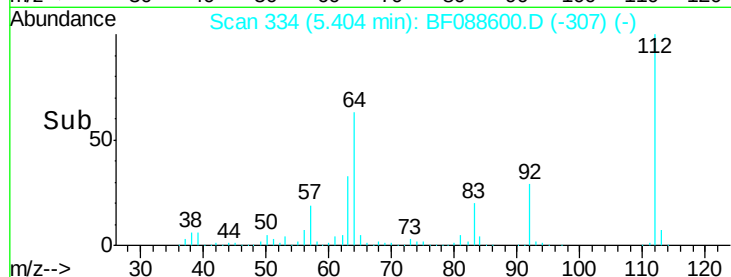
63 32.8 21.8 32.8#



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: 94.13 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

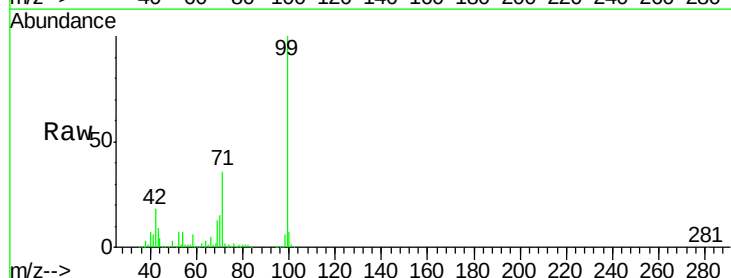
Tgt Ion: 99 Resp: 1113178

Ion Ratio Lower Upper

99 100

42 18.2 12.2 18.2

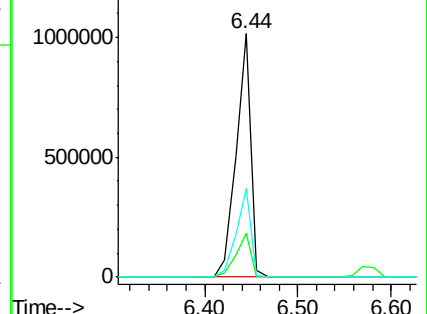
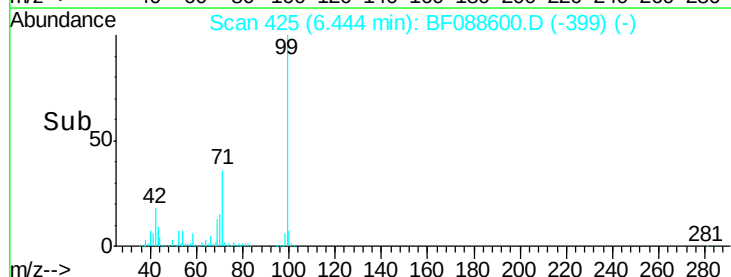
71 36.5 23.4 35.0#

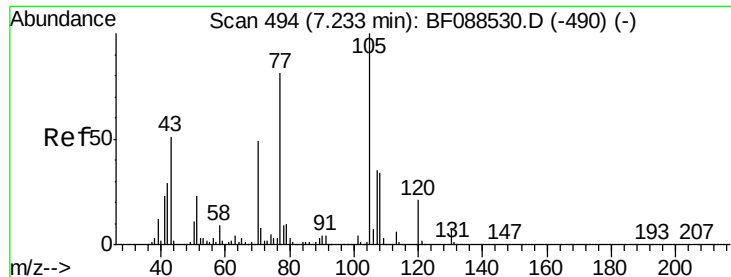


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

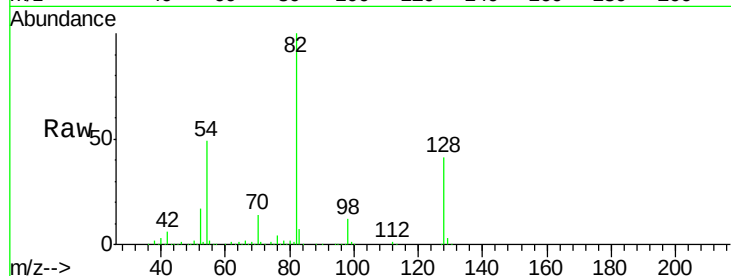




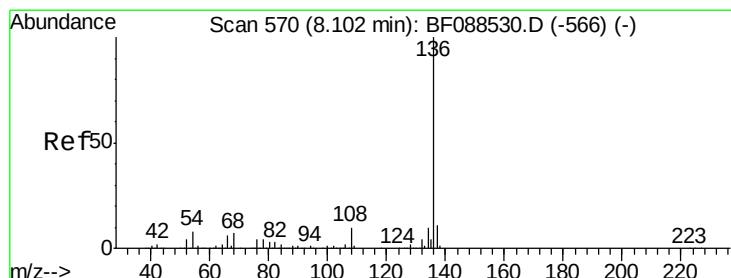
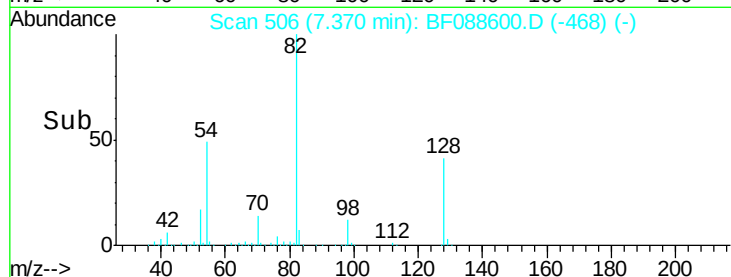
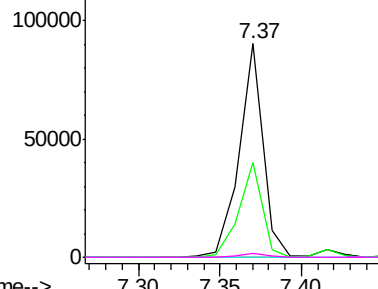
#19
n-Nitroso-di-n-propylamine
Concen: 11.63 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF088600.D
Acq: 2 Jul 2016 4:02

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion: 70 Resp: 92410
Ion Ratio Lower Upper
70 100
42 44.2 49.6 74.4#
101 0.0 7.1 10.7#
130 1.9 15.4 23.2#



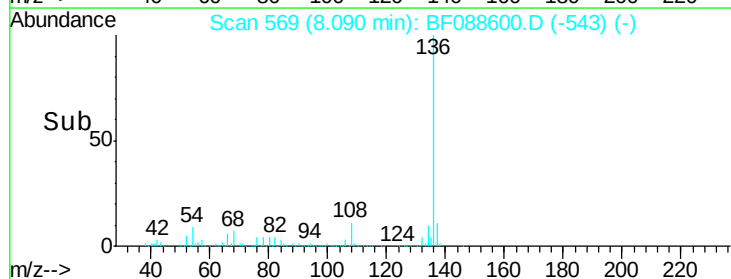
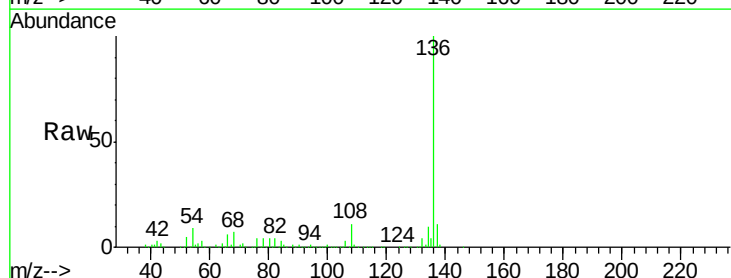
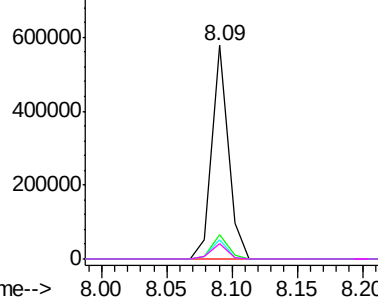
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

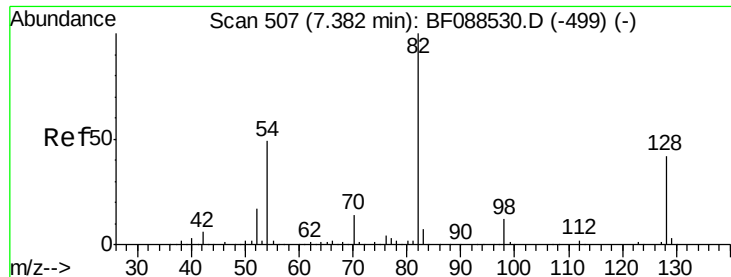


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF088600.D
Acq: 2 Jul 2016 4:02

Tgt Ion:136 Resp: 500144
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.8 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

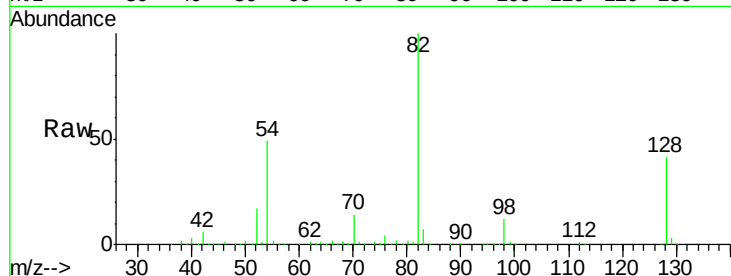




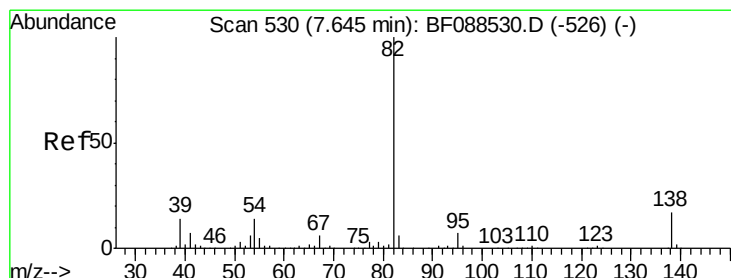
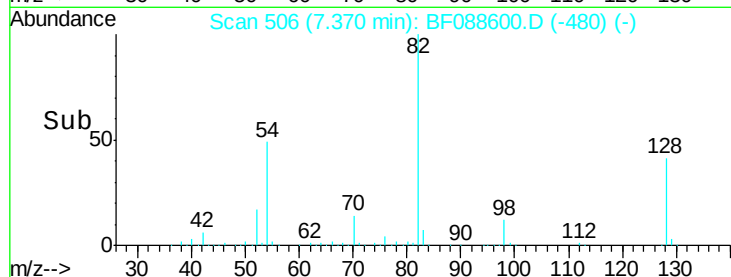
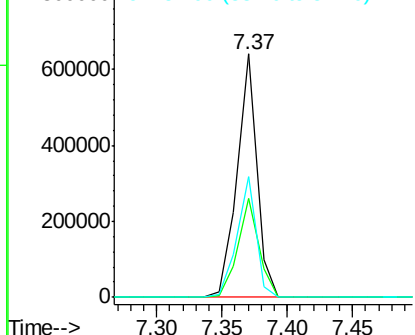
#23
 Nitrobenzene-d5
 Concen: 70.41 ng
 RT: 7.37 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: BF088600.D
 Acq: 2 Jul 2016 4:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Tgt Ion: 82 Resp: 672033
 Ion Ratio Lower Upper
 82 100
 128 40.7 35.9 53.9
 54 49.4 40.9 61.3

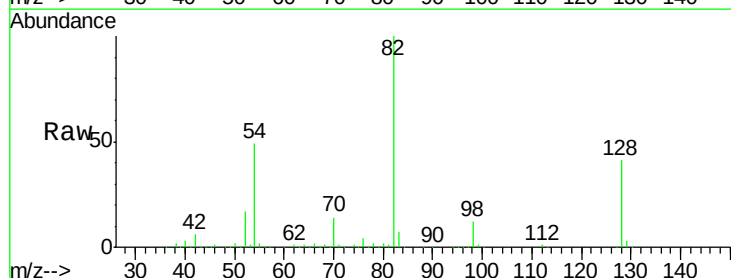


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

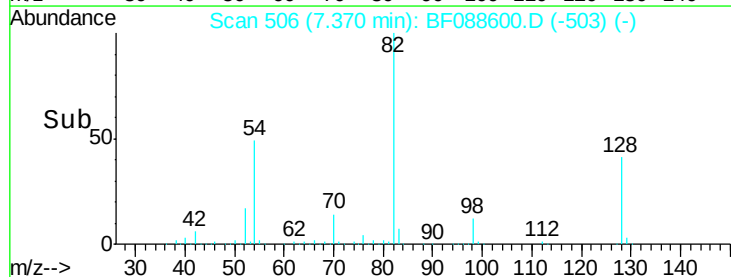
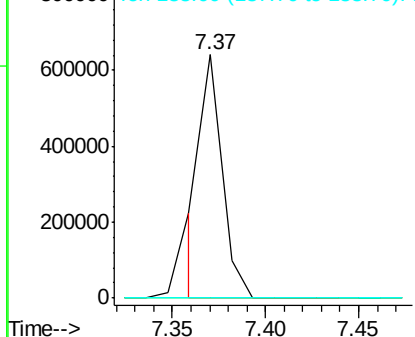


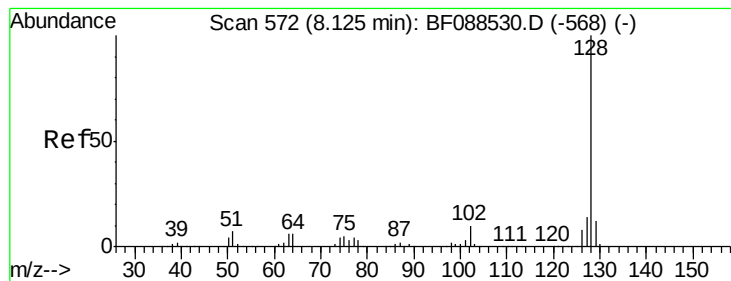
#25
 Isophorone
 Concen: 28.69 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.26 min
 Lab File: BF088600.D
 Acq: 2 Jul 2016 4:02

Tgt Ion: 82 Resp: 507160
 Ion Ratio Lower Upper
 82 100
 95 0.1 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): BF0





#31

Naphthalene

Concen: 2.08 ng

RT: 8.11 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

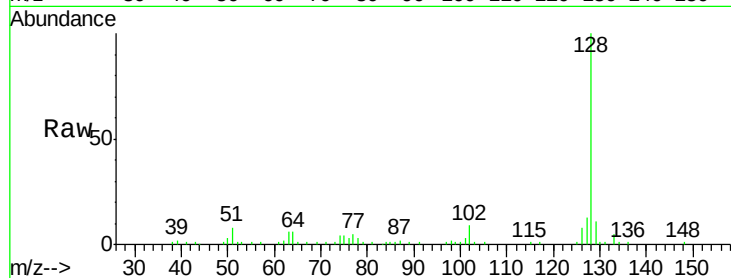
Tgt Ion:128 Resp: 51174

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.2

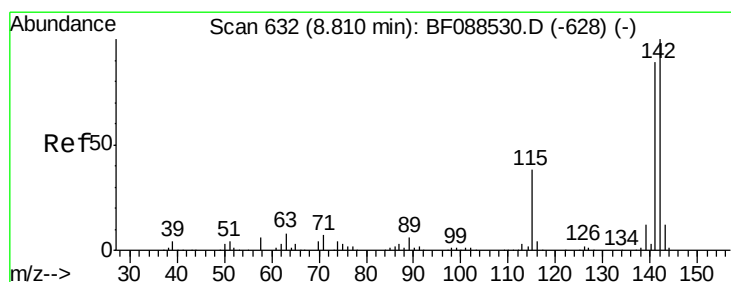
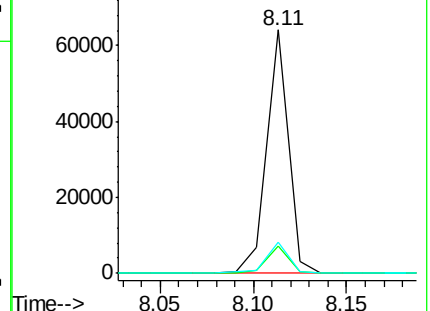
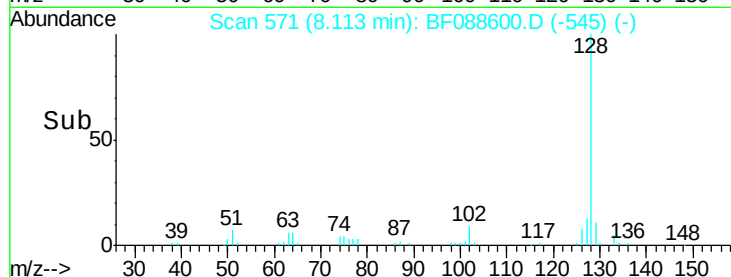
127 12.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.80 ng

RT: 8.80 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

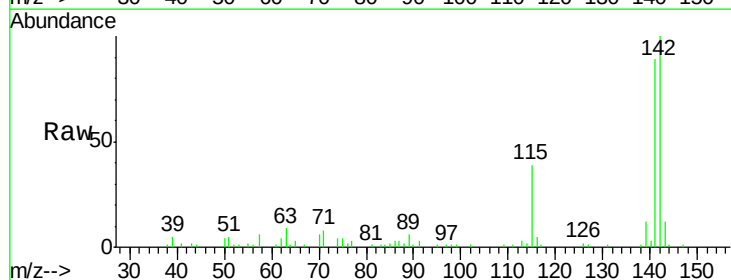
Tgt Ion:142 Resp: 44457

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.6

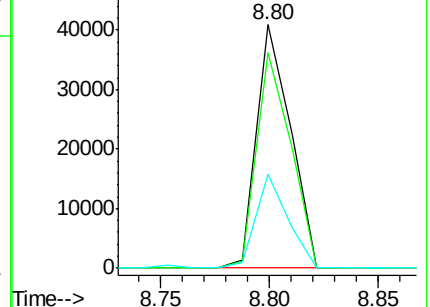
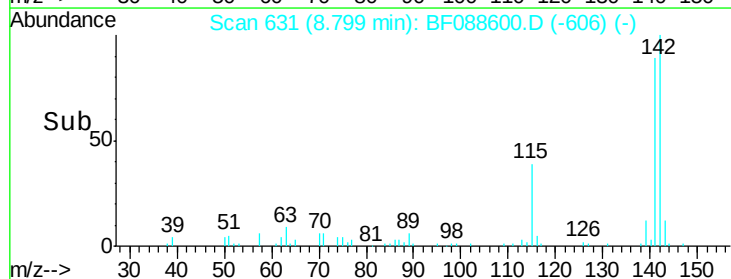
115 38.6 22.6 33.8#

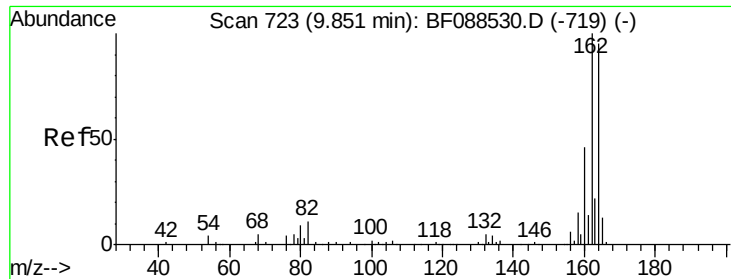


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

Instrument :

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ClientSampleId :

SB-03-COMP

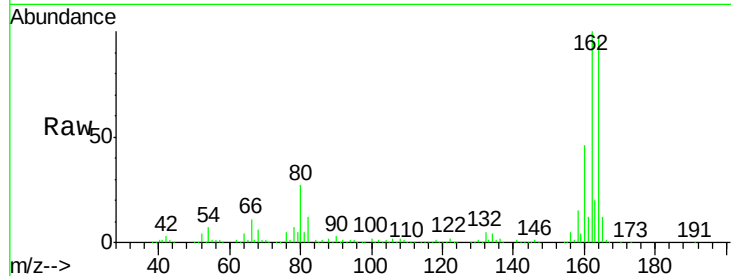
Tgt Ion:164 Resp: 200433

Ion Ratio Lower Upper

164 100

162 103.4 85.4 128.2

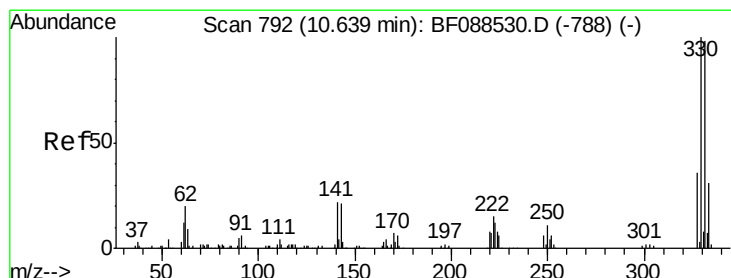
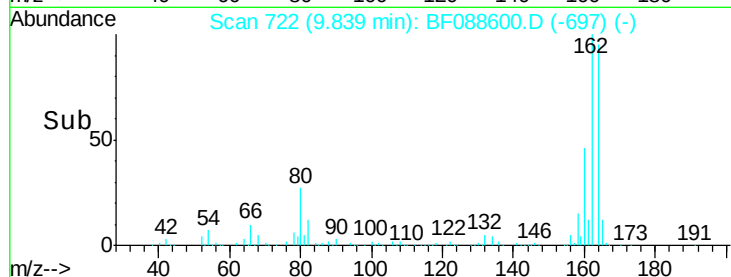
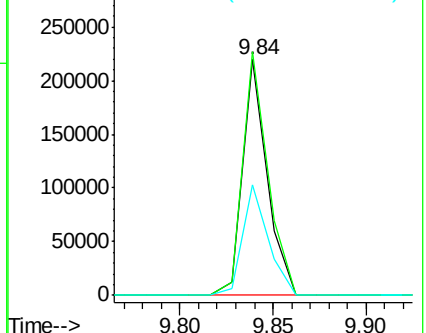
160 47.2 39.5 59.3



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: 94.32 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

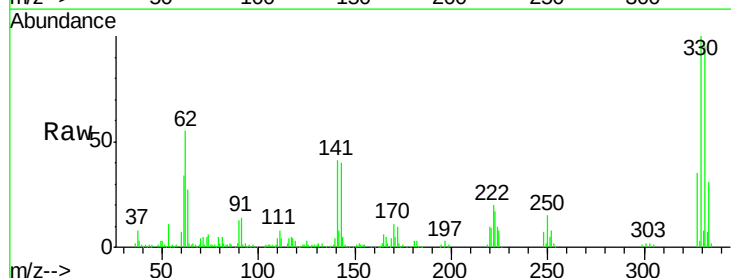
Tgt Ion:330 Resp: 175559

Ion Ratio Lower Upper

330 100

332 95.6 0.0 0.0#

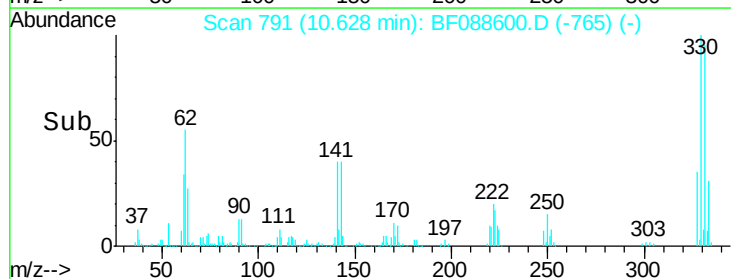
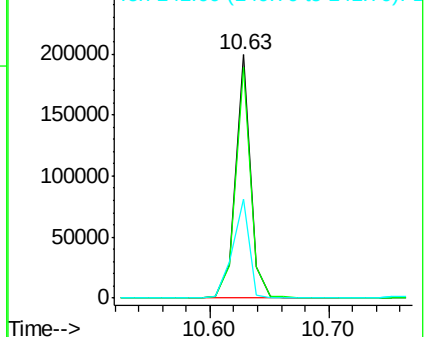
141 44.8 0.0 0.0#

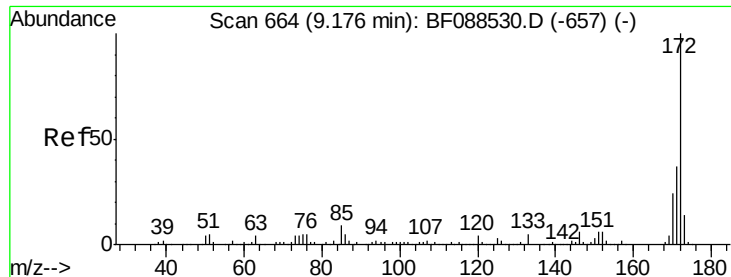


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

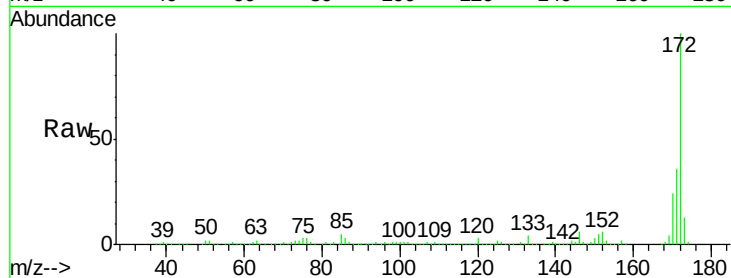




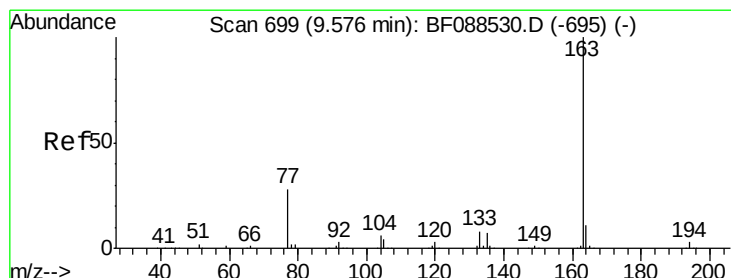
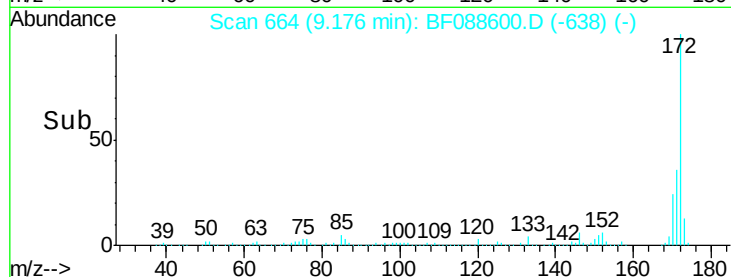
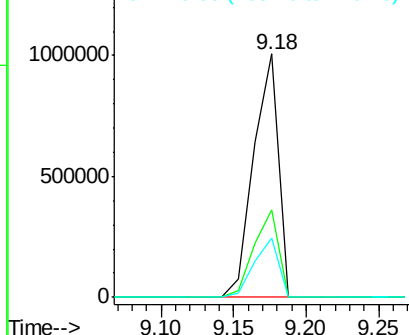
#44
2-Fluorobiphenyl
Concen: 93.51 ng
RT: 9.18 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF088600.D
Acq: 2 Jul 2016 4:02

Instrument :
BNA_F
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SB-03-COMP

Tgt Ion:172 Resp: 1186533
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.2 19.2 28.8

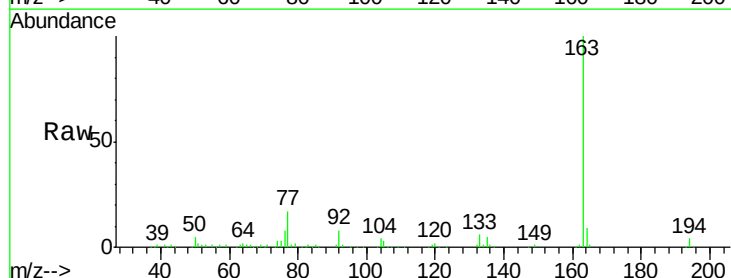


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

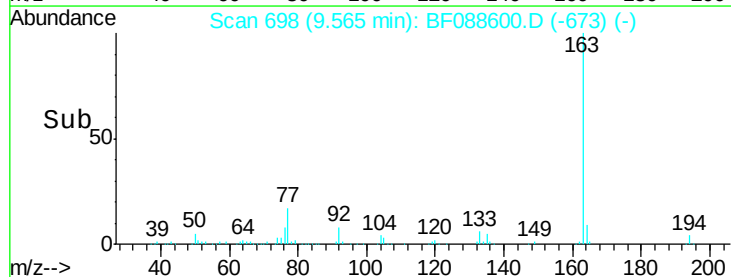
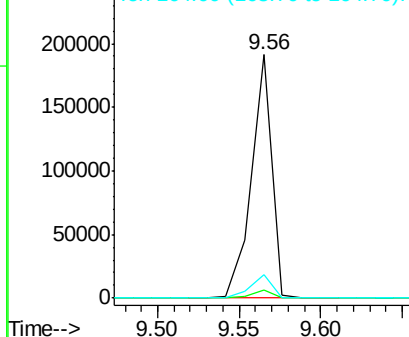


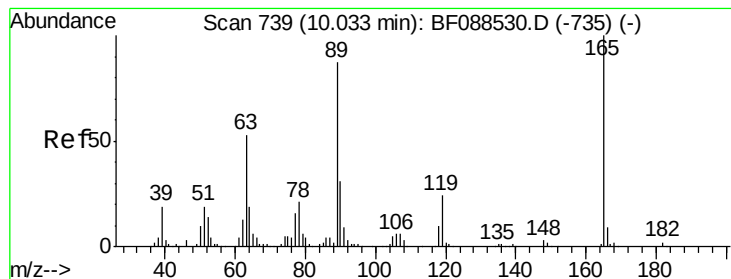
#49
Dimethylphthalate
Concen: 11.54 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF088600.D
Acq: 2 Jul 2016 4:02

Tgt Ion:163 Resp: 164850
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.4 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: 6.47 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.19 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tgt Ion:165 Resp: 26763

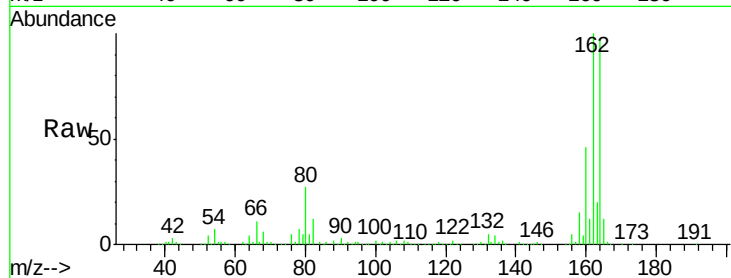
Ion Ratio Lower Upper

165 100

63 2.5 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

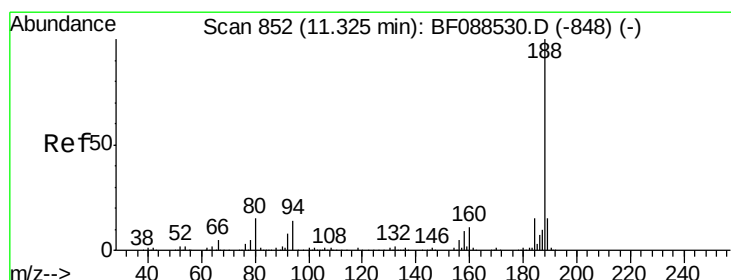
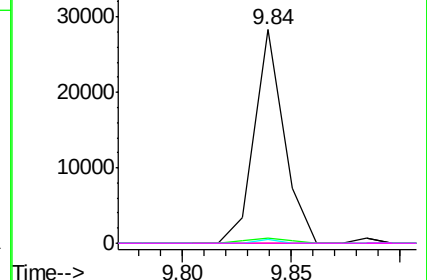
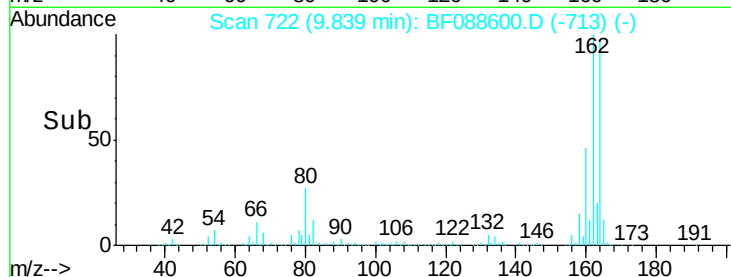


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF088600.D

Acq: 2 Jul 2016 4:02

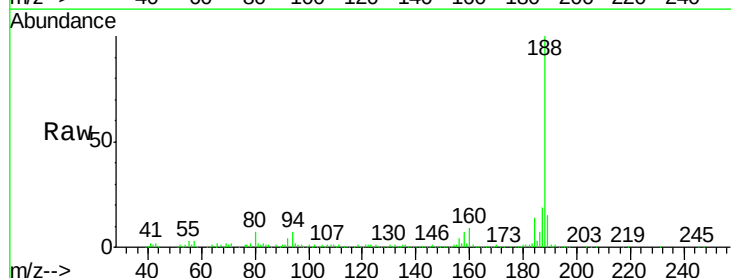
Tgt Ion:188 Resp: 312664

Ion Ratio Lower Upper

188 100

94 6.8 9.0 13.6#

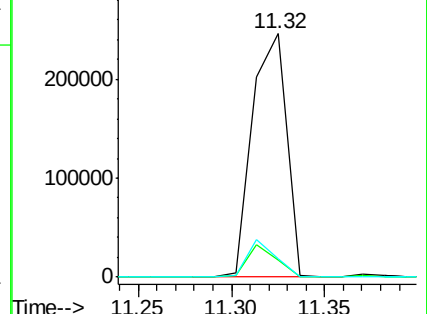
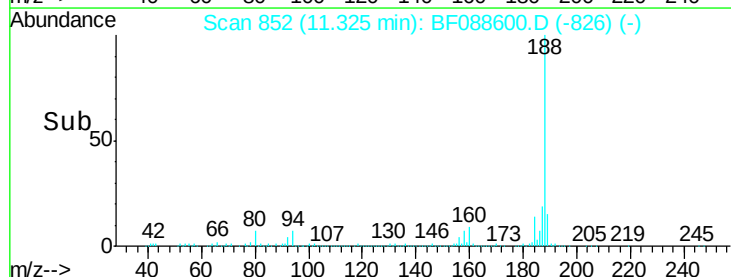
80 7.3 10.0 15.0#

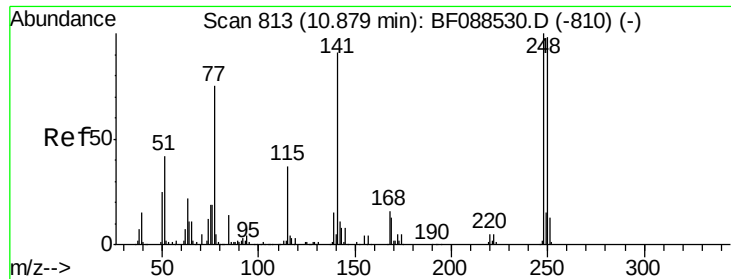


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

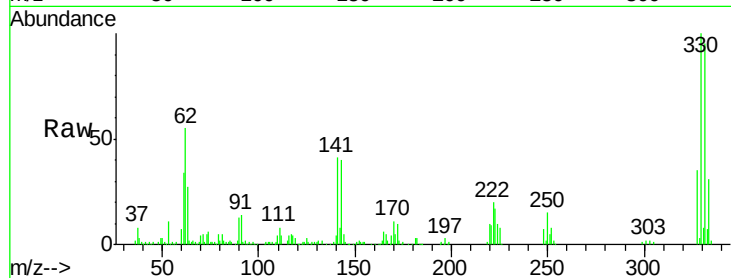




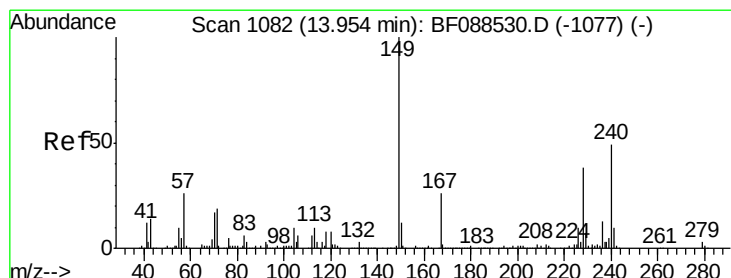
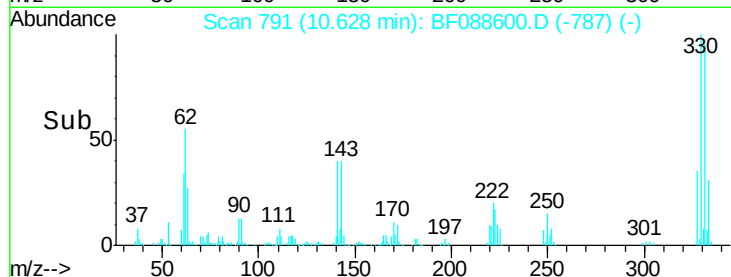
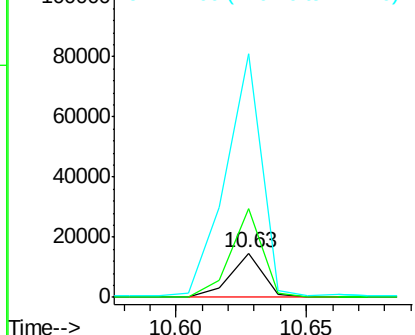
#66
4-Bromophenyl-phenylether
Concen: 4.02 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF088600.D
Acq: 2 Jul 2016 4:02

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion:248 Resp: 12666
Ion Ratio Lower Upper
248 100
250 201.6 77.1 115.7#
141 552.1 50.6 76.0#

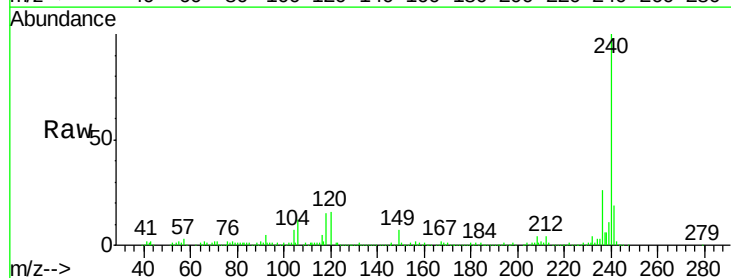


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

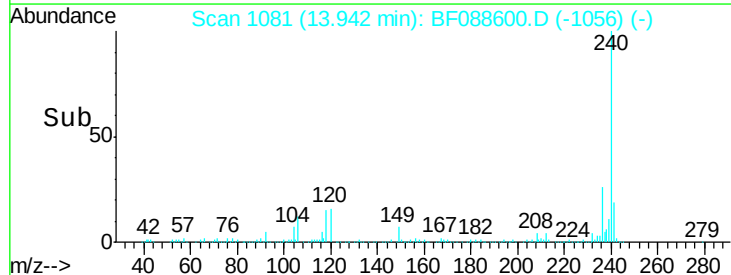
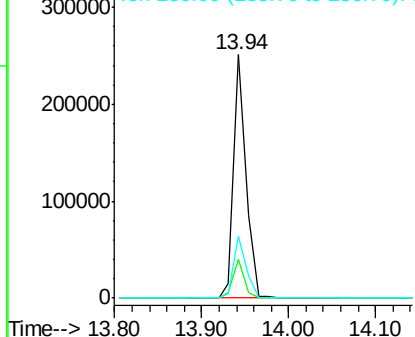


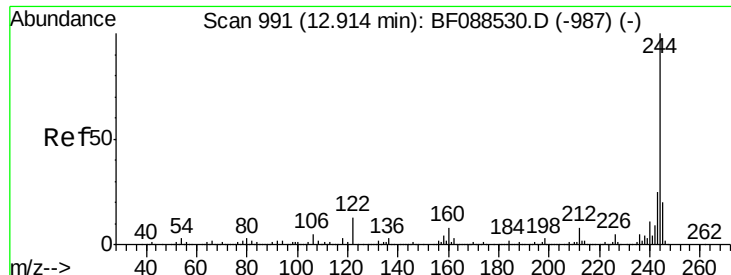
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BF088600.D
Acq: 2 Jul 2016 4:02

Tgt Ion:240 Resp: 244738
Ion Ratio Lower Upper
240 100
120 15.8 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

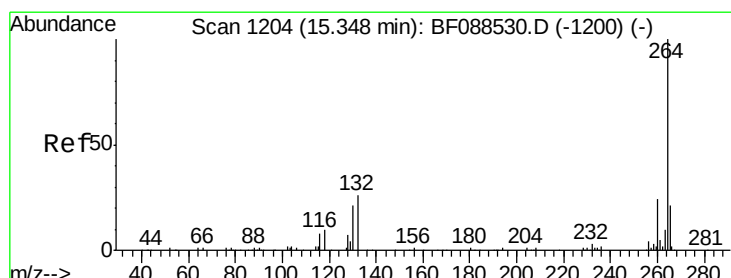
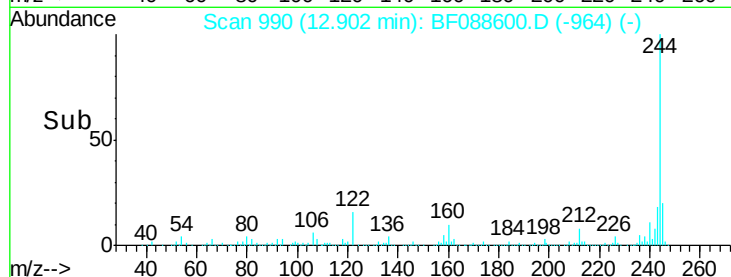
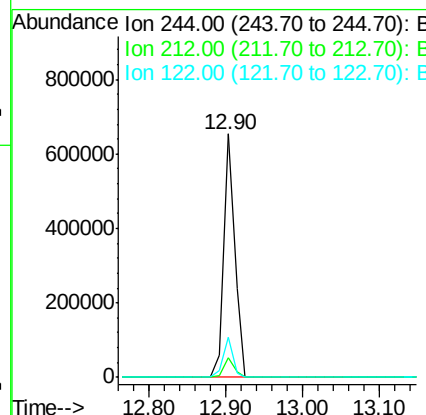
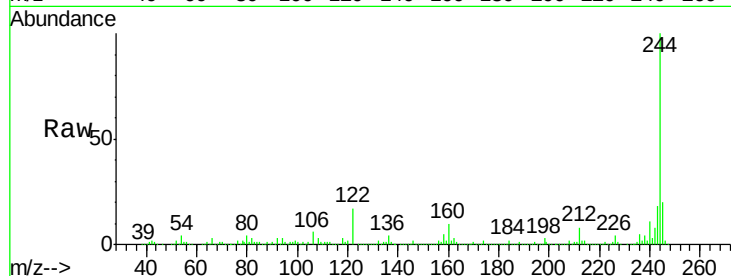




#78
 Terphenyl-d14
 Concen: 59.89 ng
 RT: 12.90 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BF088600.D
 Acq: 2 Jul 2016 4:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Tgt Ion:244 Resp: 658052
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 16.5 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF088600.D
 Acq: 2 Jul 2016 4:02

Tgt Ion:264 Resp: 207504
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.2 16.9 25.3

