

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088168.D
 Acq On : 19 Jun 2016 8:07
 Operator : UM/SJ
 Sample : H3628-13
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Quant Time: Jun 20 00:57:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

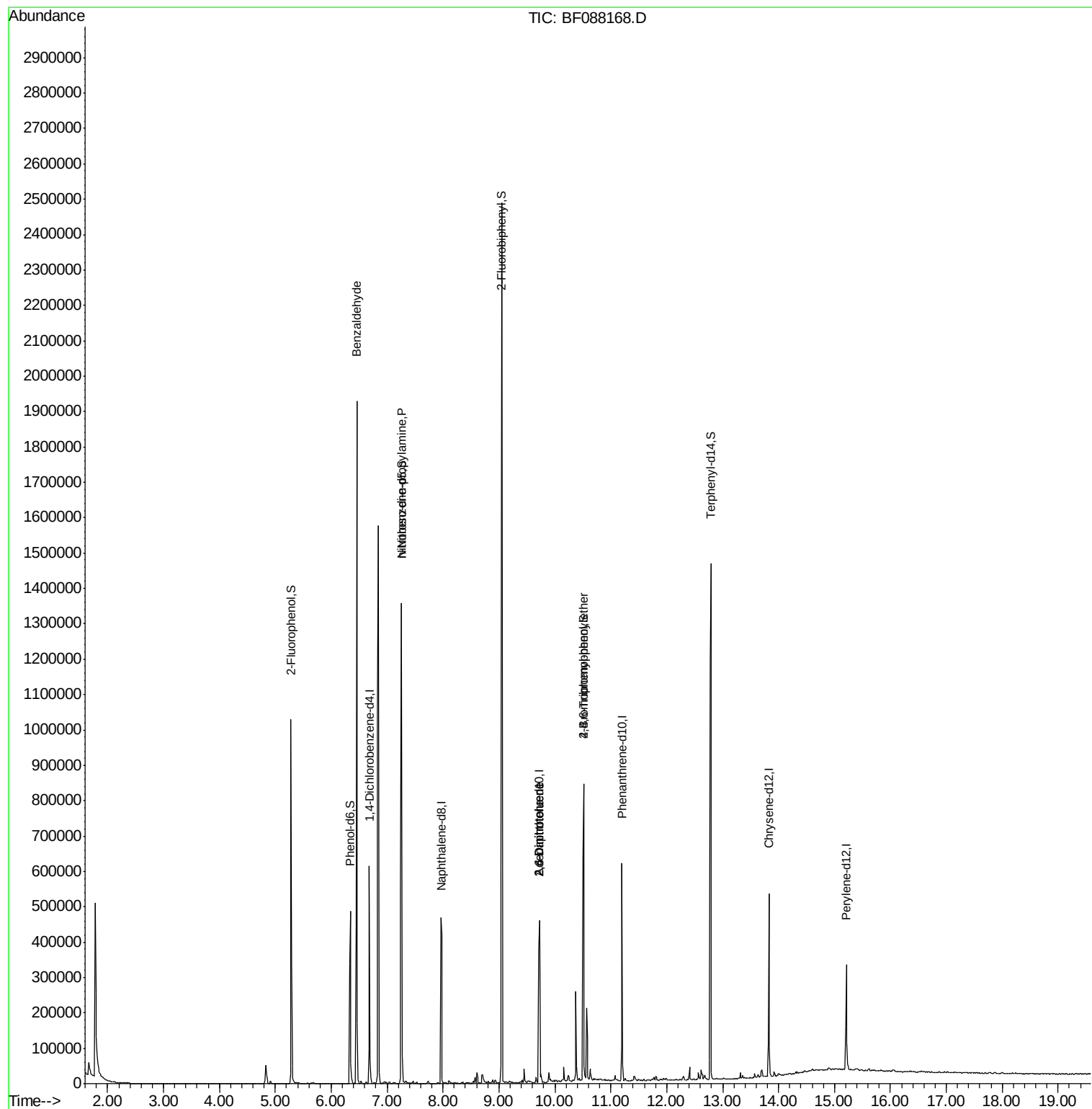
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	94863	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	327599	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	125655	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	209768	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	168958	20.00	ng	-0.02
86) Perylene-d12	15.21	264	126201	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	322796	58.17	ng	0.00
7) Phenol-d6	6.34	99	242921	36.12	ng	-0.01
23) Nitrobenzene-d5	7.26	82	494732	88.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	138831	104.64	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	774833	97.70	ng	-0.02
78) Terphenyl-d14	12.79	244	627886	84.56	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	11747	2.55	ng	# 71
10) Phenol	6.35	94	1755	Below	Cal	# 2
19) n-Nitroso-di-n-propylamine	7.26	70	65040	15.12	ng	# 71
45) 1,1'-Biphenyl	9.05	154	1501	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.72	165	16438	7.89	ng	# 37
56) 2,4-Dinitrotoluene	9.72	165	16438	6.14	ng	# 36
57) Fluorene	10.51	166	7109	Below	Cal	# 93
66) 4-Bromophenyl-phenylether	10.51	248	8947	3.98	ng	# 1

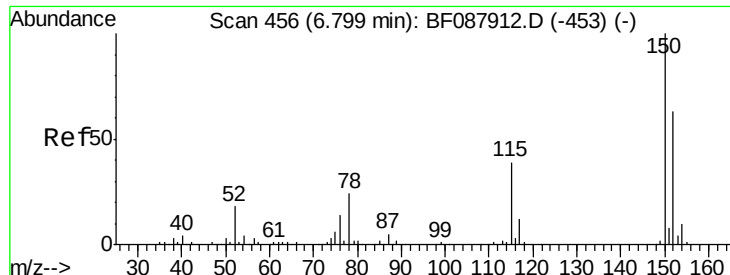
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

Instrument :

BNA_F

ClientSampleId :

W-18

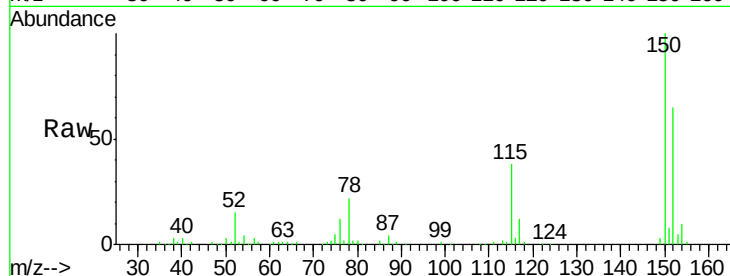
Tgt Ion:152 Resp: 94863

Ion Ratio Lower Upper

152 100

150 153.7 123.8 185.6

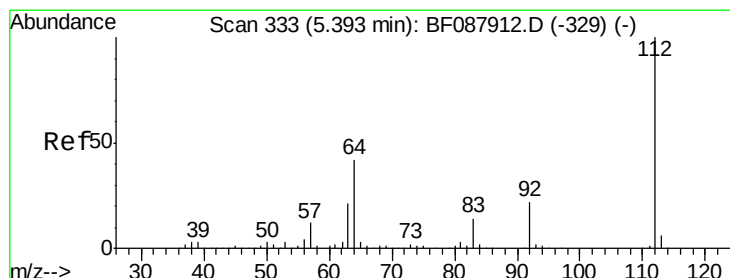
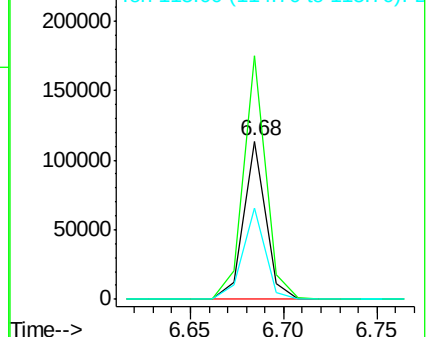
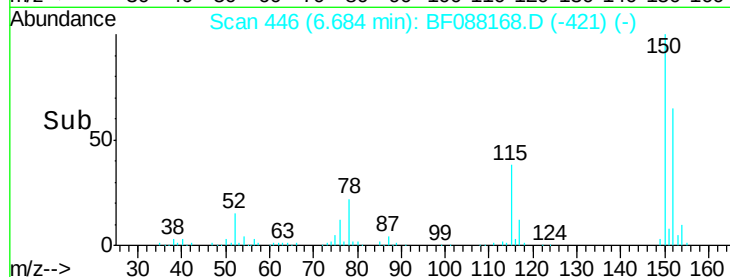
115 57.8 39.6 59.4



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: 58.17 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.00 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

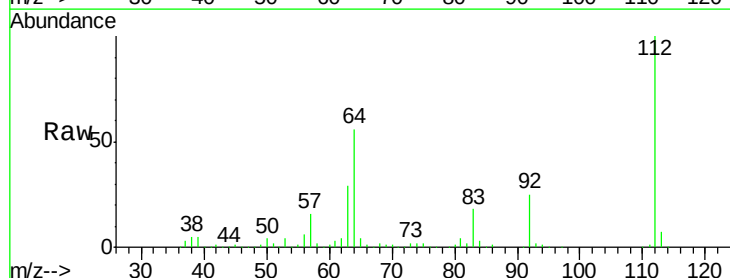
Tgt Ion:112 Resp: 322796

Ion Ratio Lower Upper

112 100

64 56.5 42.2 63.2

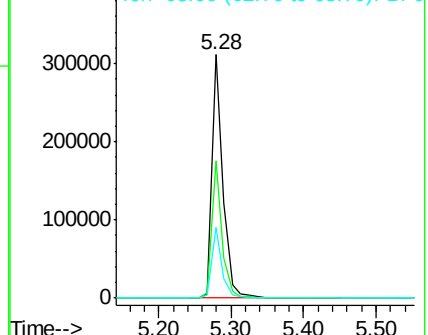
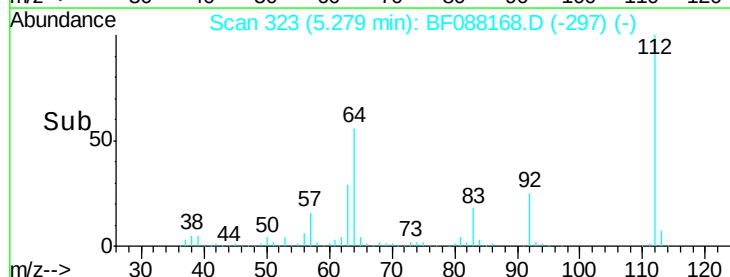
63 29.0 21.8 32.8

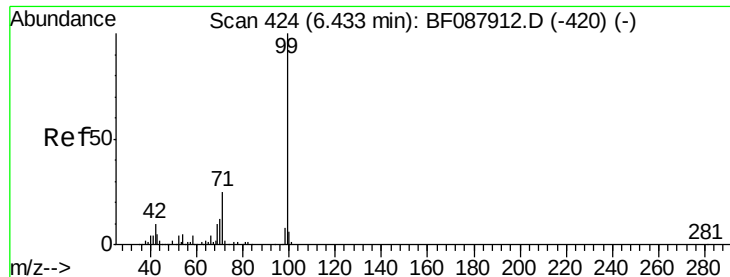


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.12 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

Instrument :

BNA_F

ClientSampled :

W-18

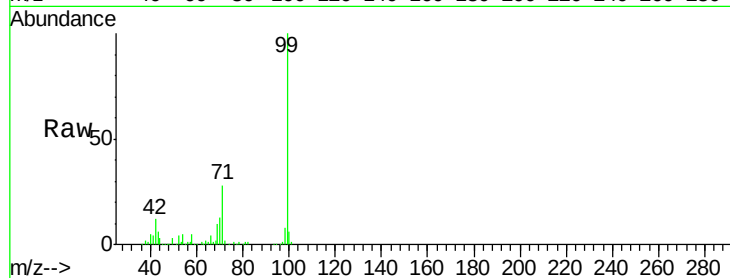
Tgt Ion: 99 Resp: 242921

Ion Ratio Lower Upper

99 100

42 11.7 12.2 18.2#

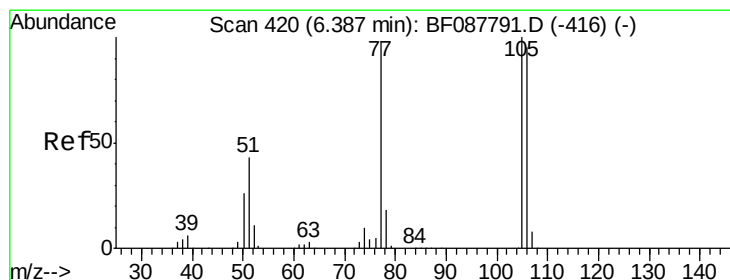
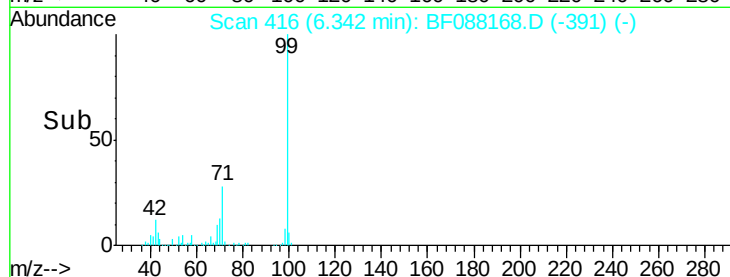
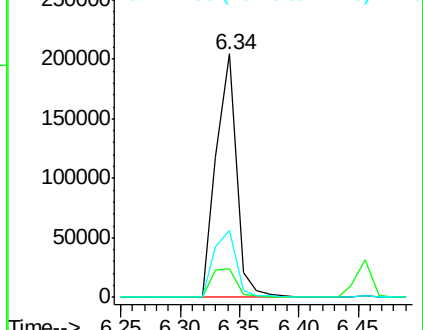
71 27.5 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.55 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.22 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

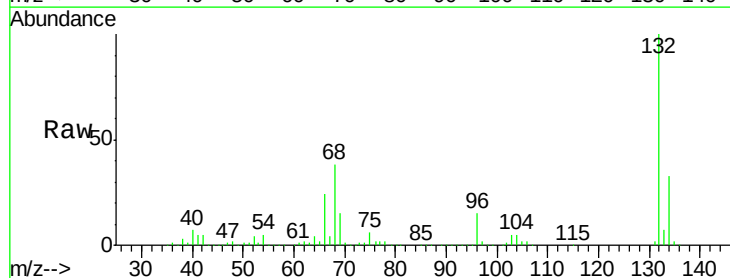
Tgt Ion: 77 Resp: 11747

Ion Ratio Lower Upper

77 100

105 82.5 90.6 130.6#

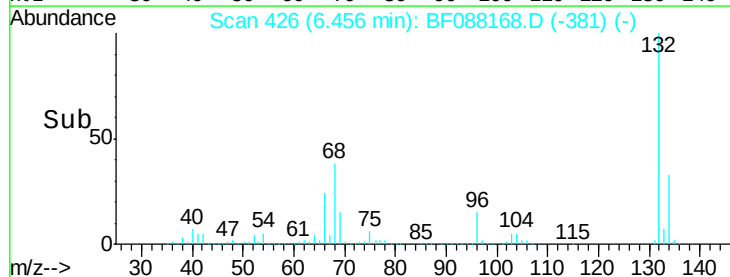
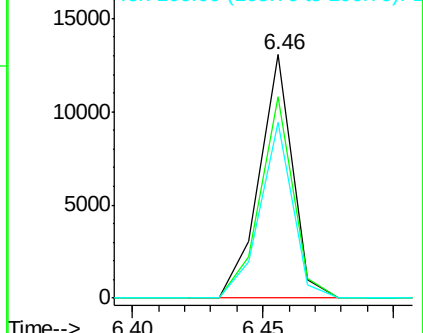
106 72.4 85.3 125.3#

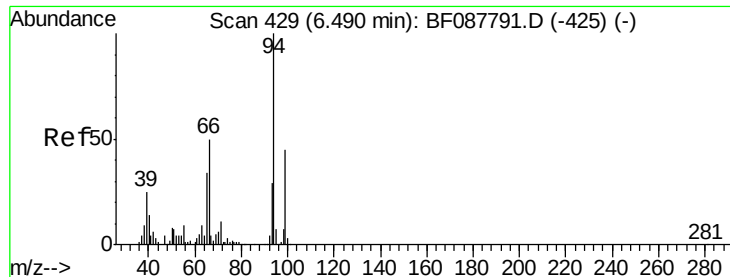


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

Instrument :

BNA_F

ClientSampled :

W-18

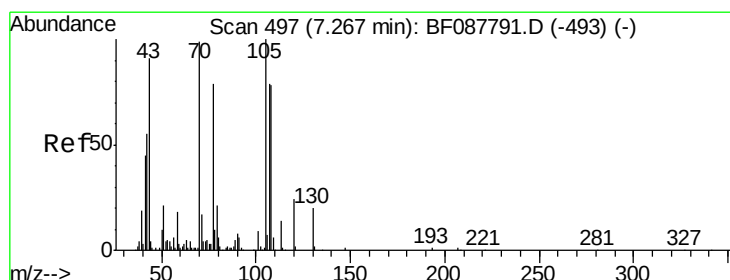
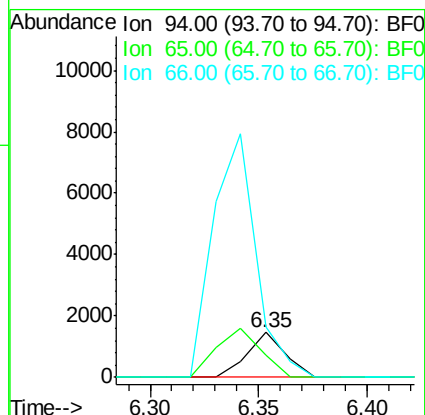
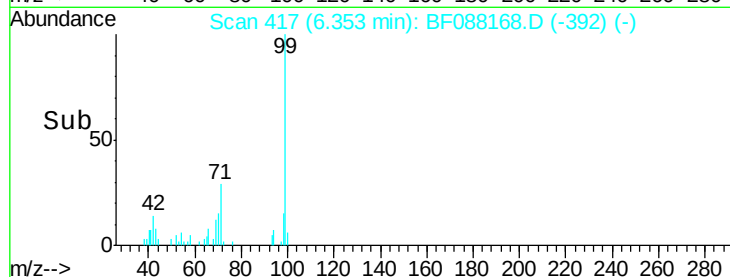
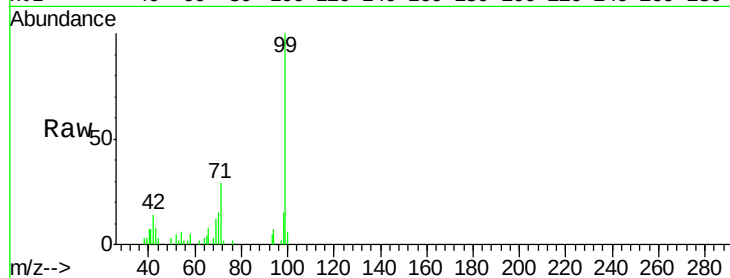
Tgt Ion: 94 Resp: 1755

Ion Ratio Lower Upper

94 100

65 49.4 5.9 45.9#

66 113.2 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.12 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

Tgt Ion: 70 Resp: 65040

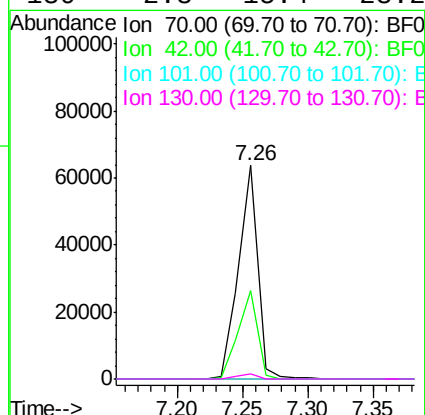
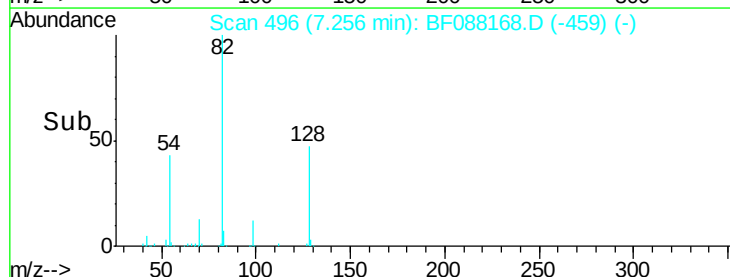
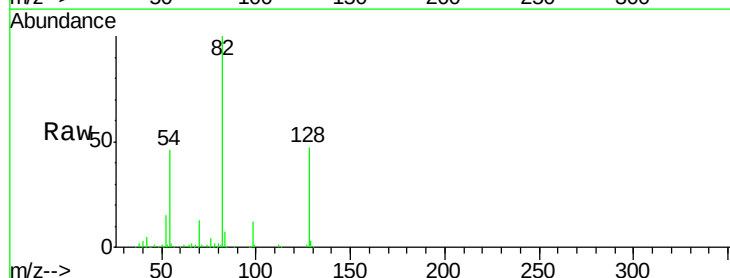
Ion Ratio Lower Upper

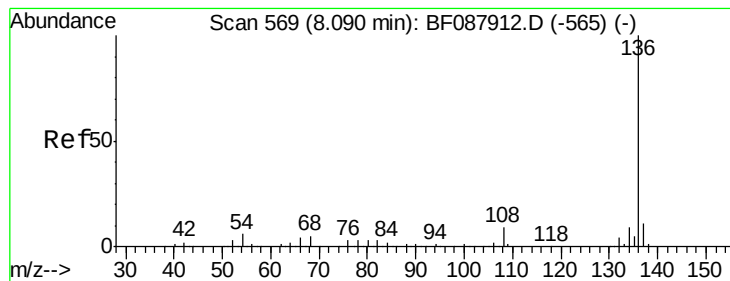
70 100

42 41.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

Instrument :

BNA_F

ClientSampleId :

W-18

Tgt Ion: 136 Resp: 327599

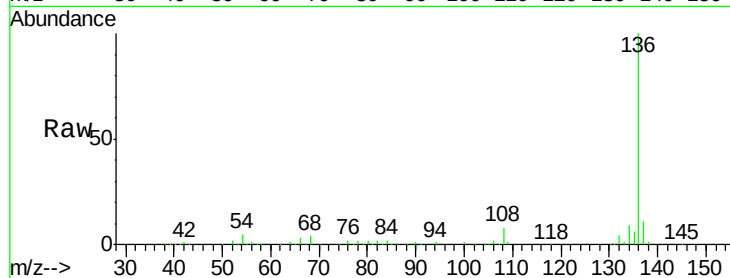
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 4.7 6.6 10.0#

68 4.1 5.1 7.7#

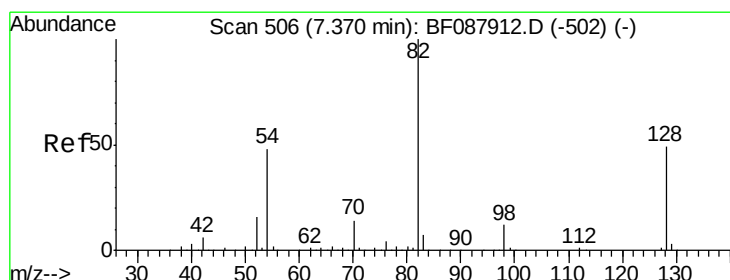
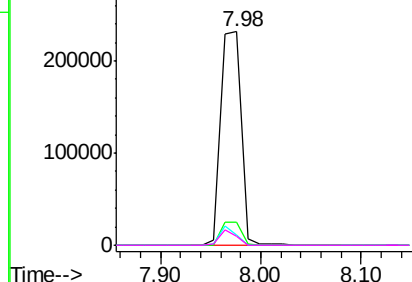
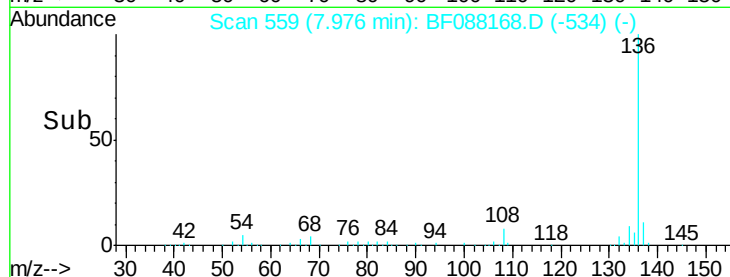


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.19 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

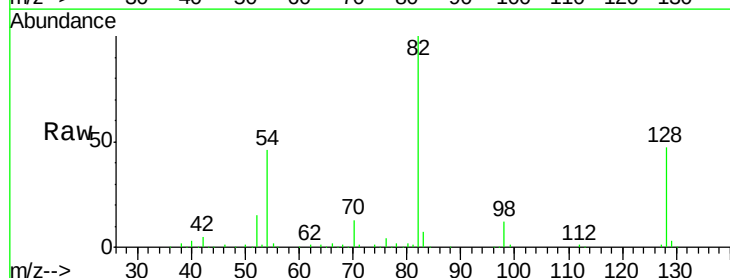
Tgt Ion: 82 Resp: 494732

Ion Ratio Lower Upper

82 100

128 47.4 35.9 53.9

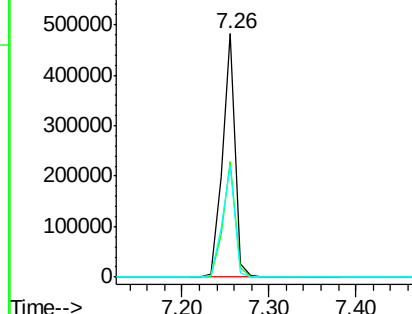
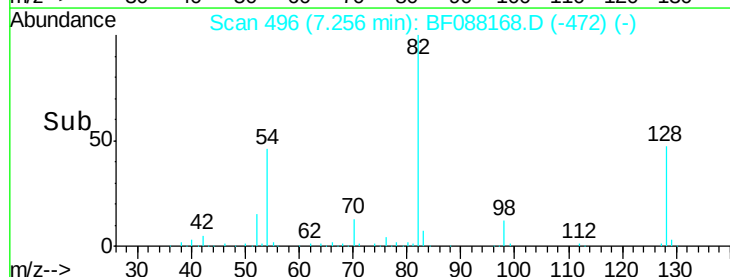
54 46.0 40.9 61.3

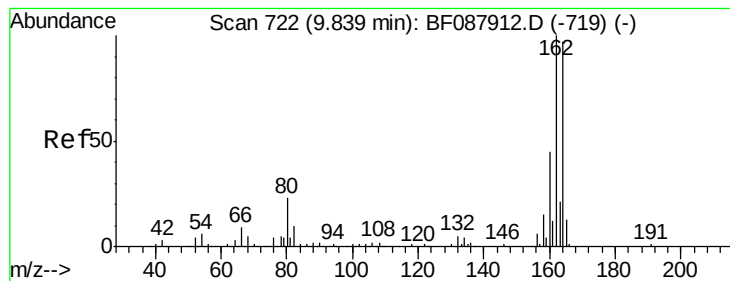


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

Instrument :

BNA_F

ClientSampleId :

W-18

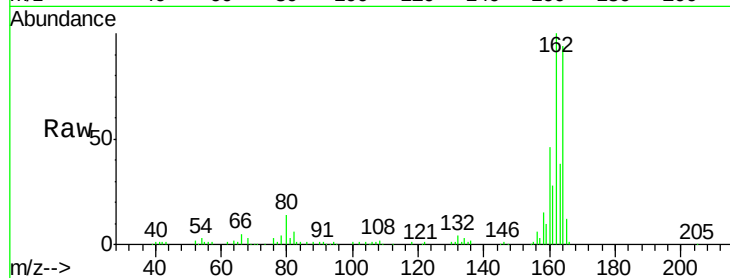
Tgt Ion:164 Resp: 125655

Ion Ratio Lower Upper

164 100

162 105.9 85.4 128.2

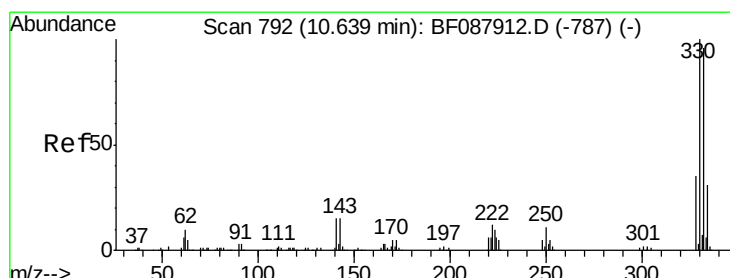
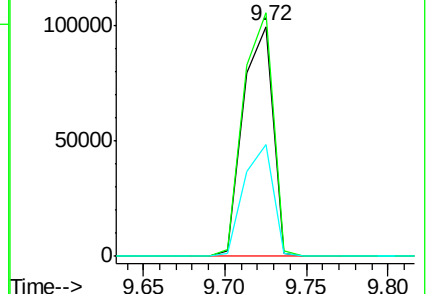
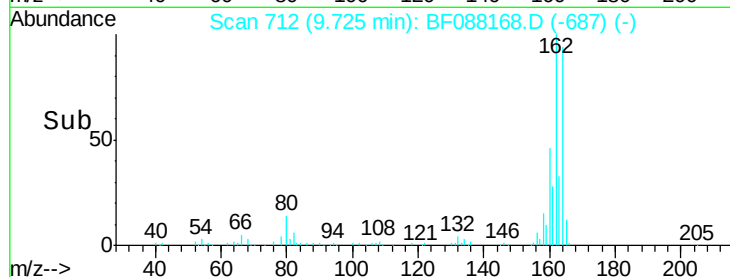
160 48.6 39.5 59.3



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: 104.64 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088168.D

Acq: 19 Jun 2016 8:07

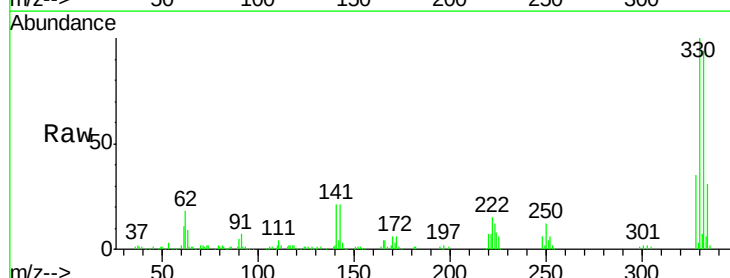
Tgt Ion:330 Resp: 138831

Ion Ratio Lower Upper

330 100

332 94.4 0.0 0.0#

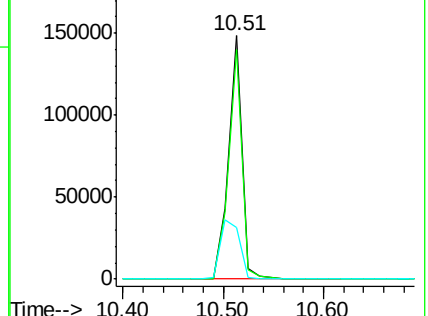
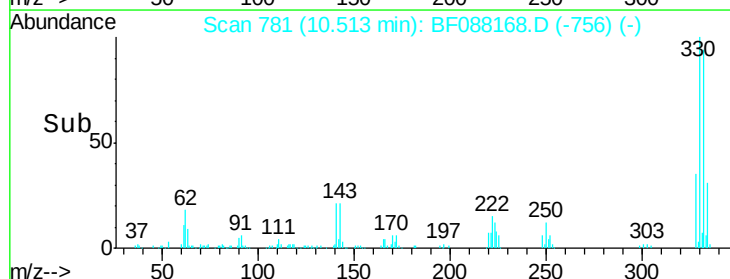
141 35.6 0.0 0.0#

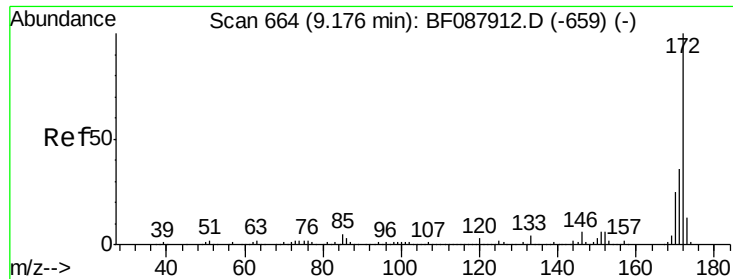


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

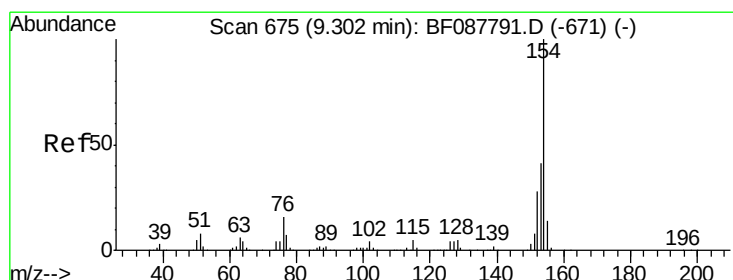
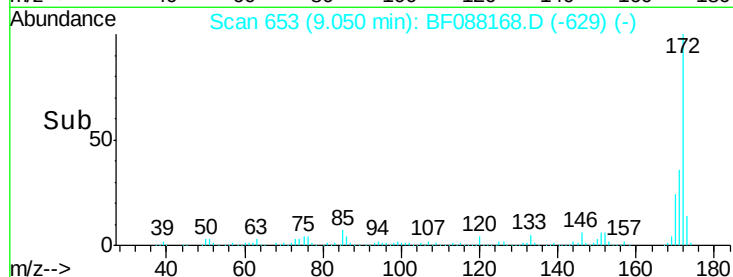
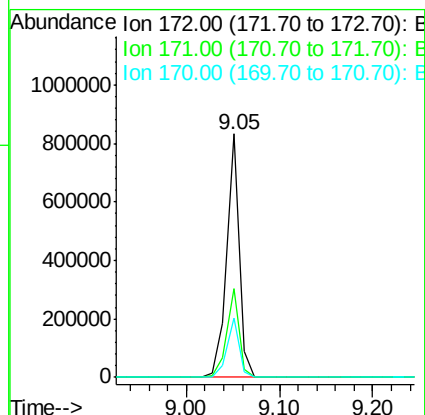
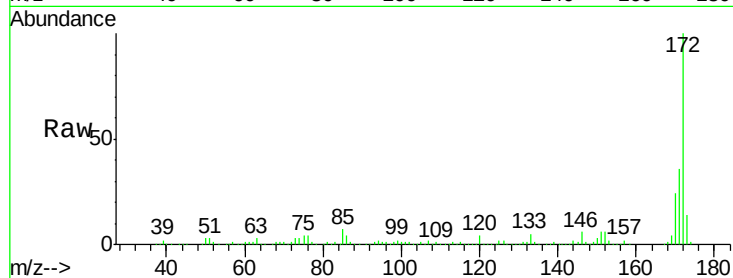




#44
 2-Fluorobiphenyl
 Concen: 97.70 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

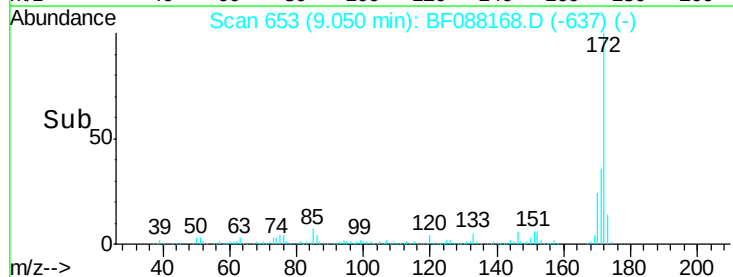
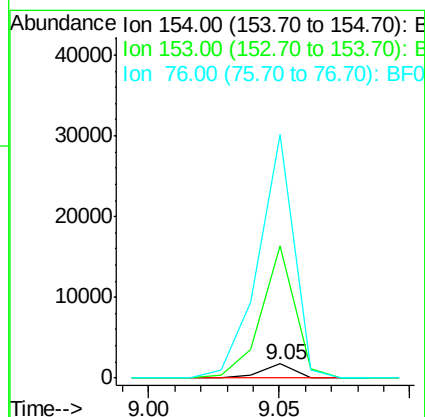
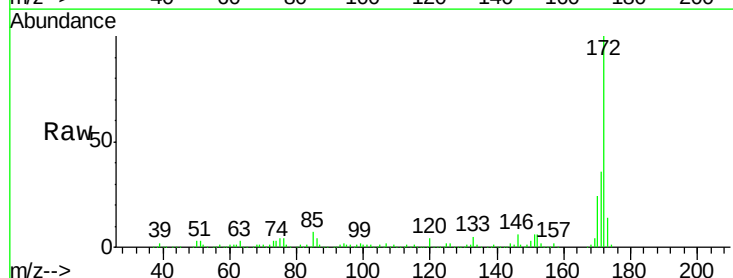
Instrument :
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 ClientSampleId :
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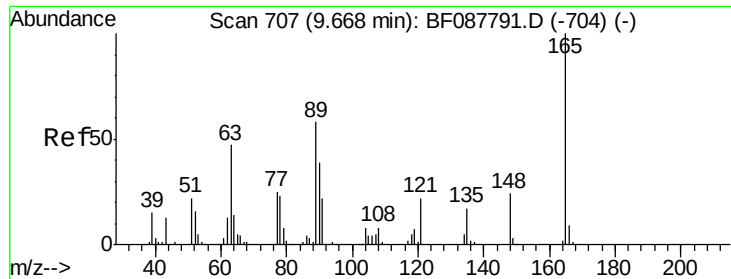
Tgt Ion:172 Resp: 774833
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.4 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

Tgt Ion:154 Resp: 1501
 Ion Ratio Lower Upper
 154 100
 153 932.1 20.6 60.6#
 76 1723.0 0.0 35.1#

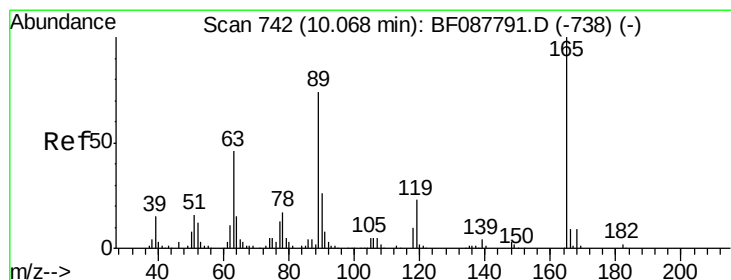
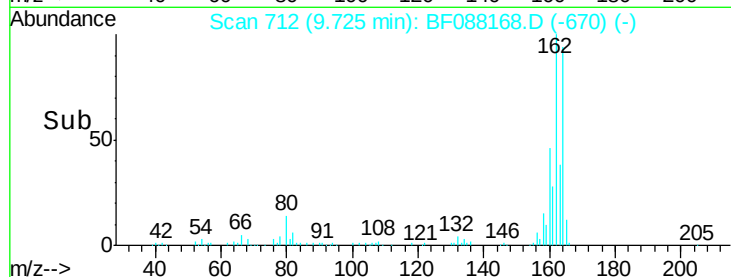
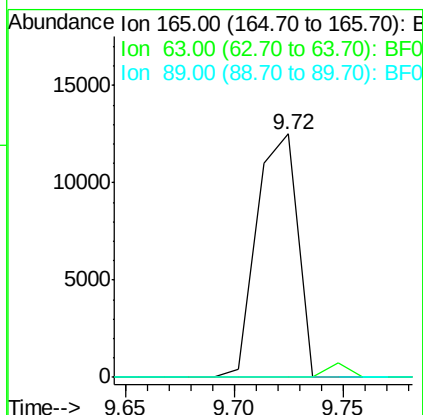
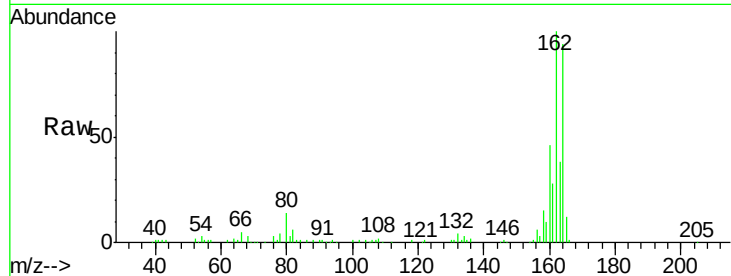




#50
 2,6-Dinitrotoluene
 Concen: 7.89 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.18 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

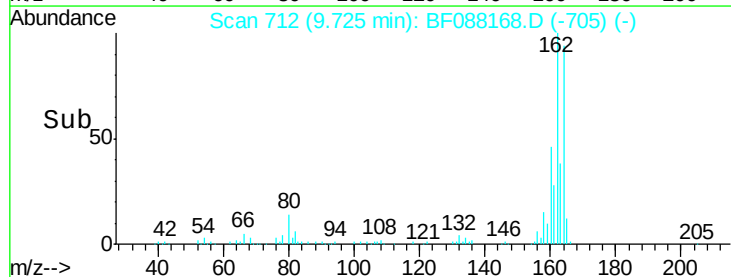
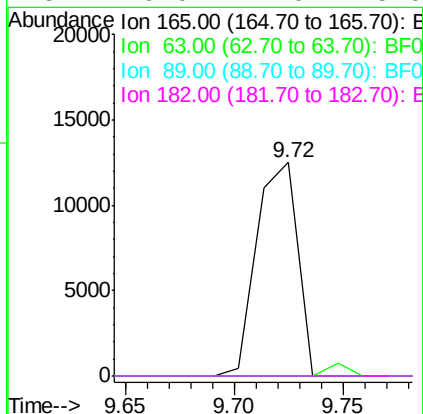
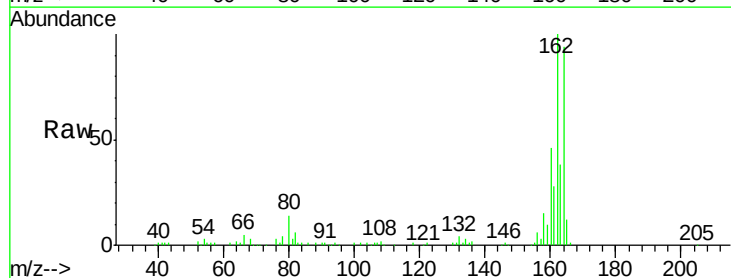
Instrument :
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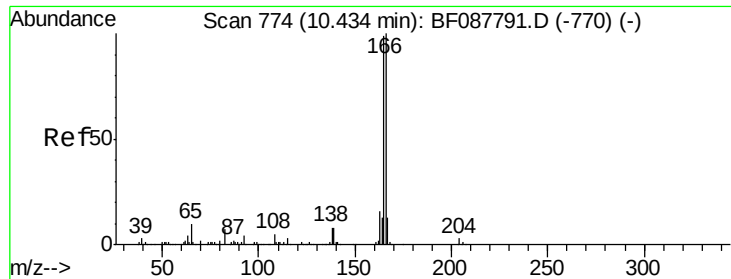
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.22 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

Tgt 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#

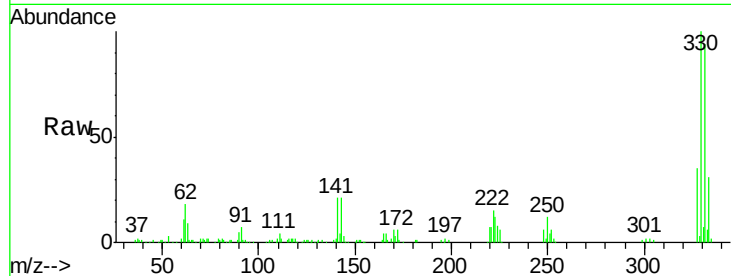




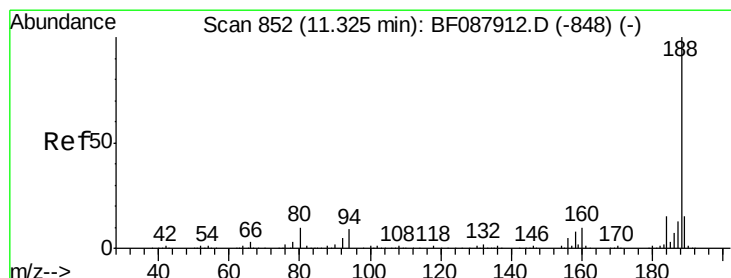
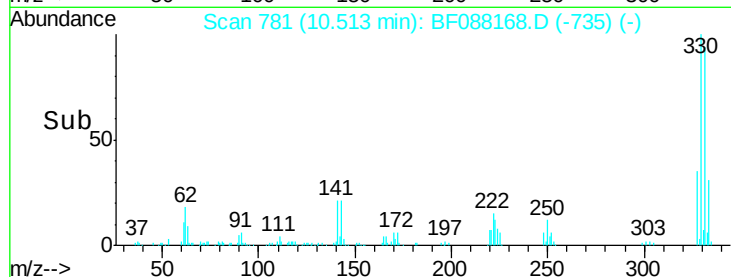
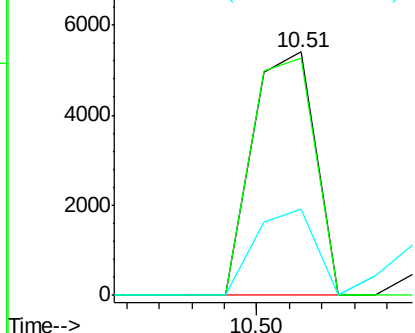
#57
 Fluorene
 Concen: Below Cal
 RT: 10.51 min Scan# 781
 Delta R.T. 0.23 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Tgt Ion:166 Resp: 7109
 Ion Ratio Lower Upper
 166 100
 165 97.5 77.8 116.8
 167 35.4 11.2 16.8#

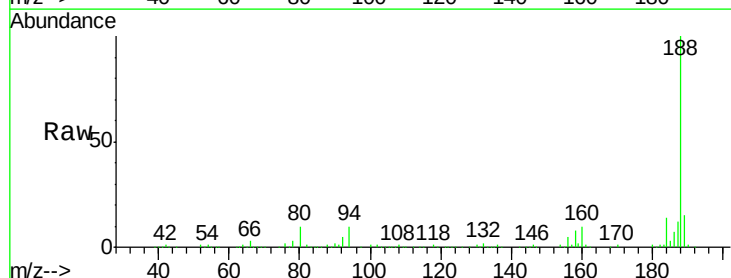


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

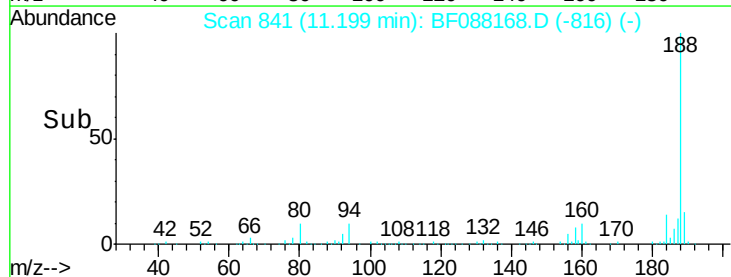
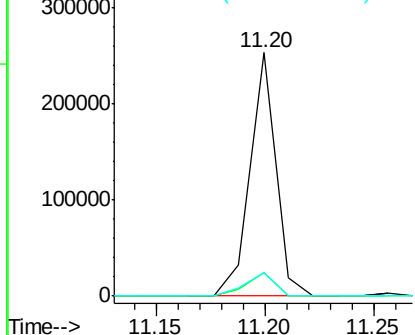


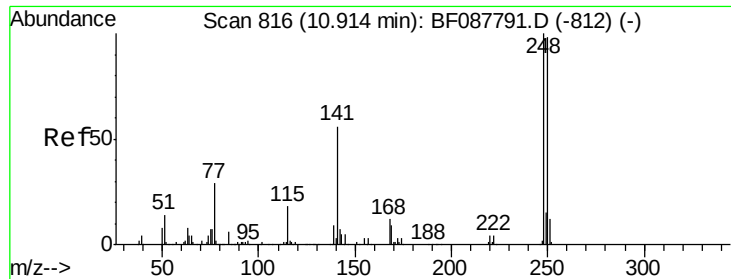
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

Tgt Ion:188 Resp: 209768
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.0 13.6
 80 9.9 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

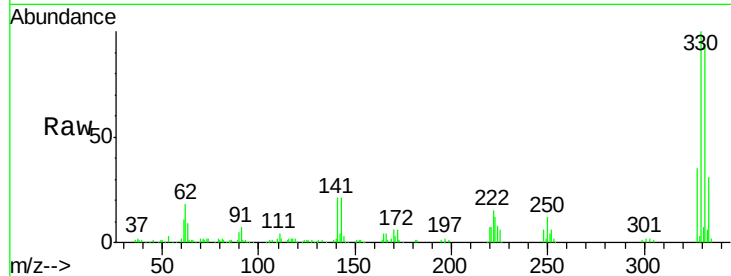




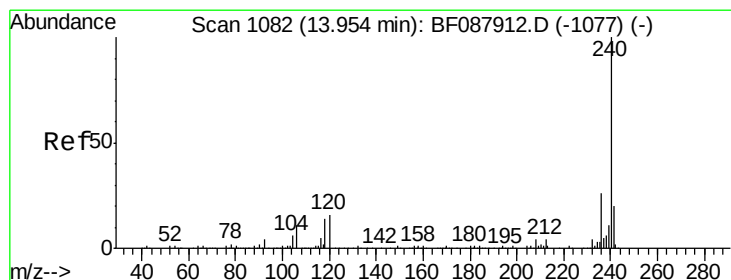
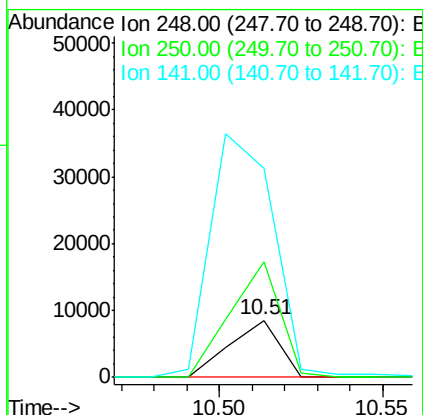
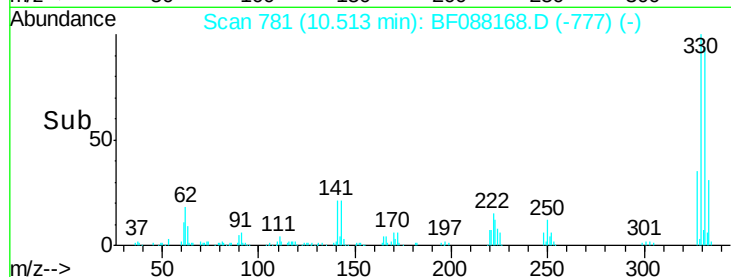
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.25 min
Lab File: BF088168.D
Acq: 19 Jun 2016 8:07

Instrument :
BNA_F
ClientSampleId :
W-18

Tgt Ion:248 Resp: 8947
Ion Ratio Lower Upper
248 100
250 202.0 77.1 115.7#
141 364.8 50.6 76.0#

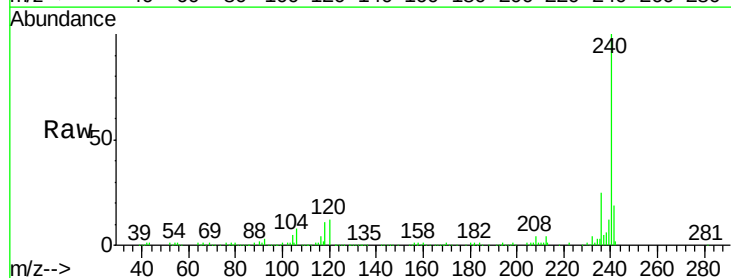


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

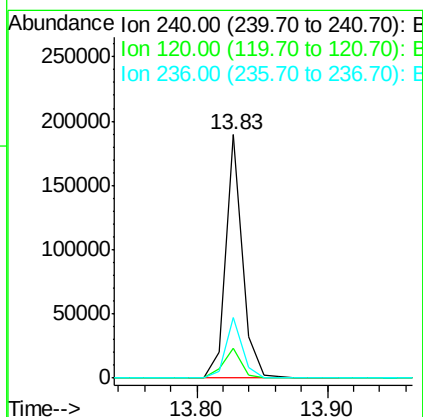
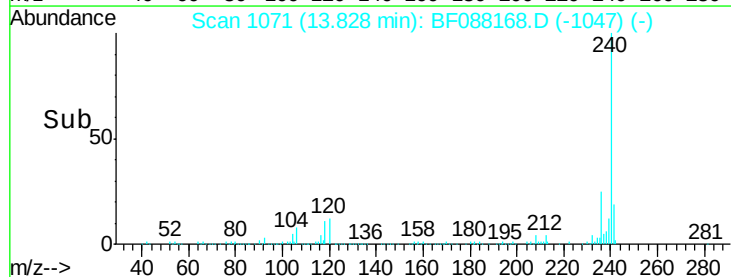


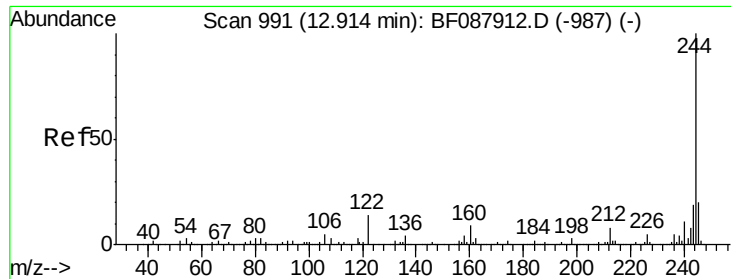
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BF088168.D
Acq: 19 Jun 2016 8:07

Tgt Ion:240 Resp: 168958
Ion Ratio Lower Upper
240 100
120 12.3 6.8 10.2#
236 25.1 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

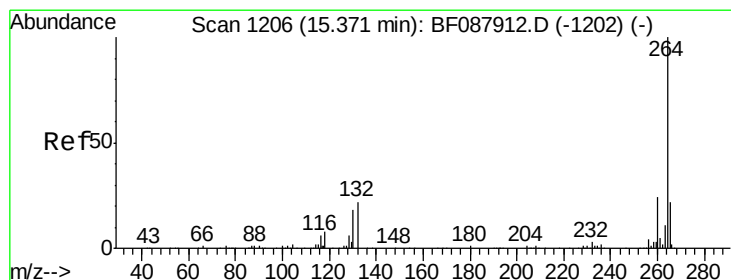
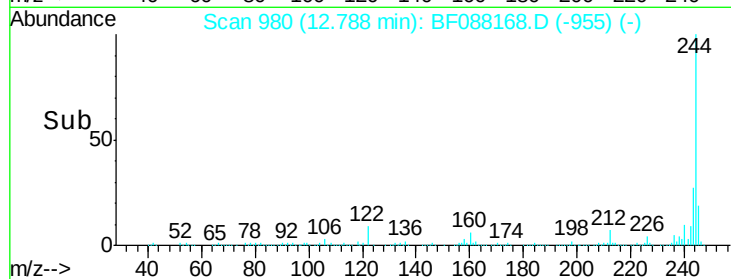
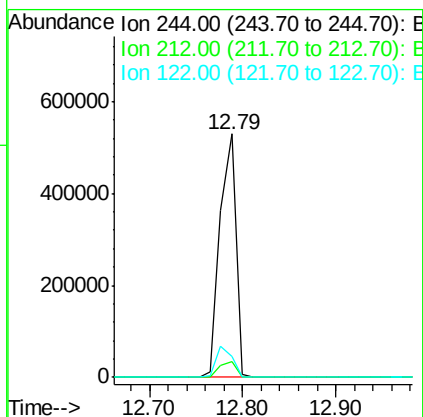
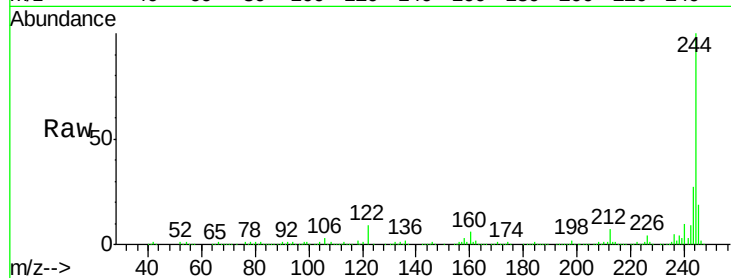




#78
 Terphenyl-d14
 Concen: 84.56 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Tgt Ion:244 Resp: 627886
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 8.5 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088168.D
 Acq: 19 Jun 2016 8:07

Tgt Ion:264 Resp: 126201
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.7 16.9 25.3

