

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090819.D
 Acq On : 25 Oct 2016 20:39
 Operator : UM/SJ
 Sample : H5394-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTH

Quant Time: Oct 26 00:55:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 18:56:36 2016
 Response via : Initial Calibration

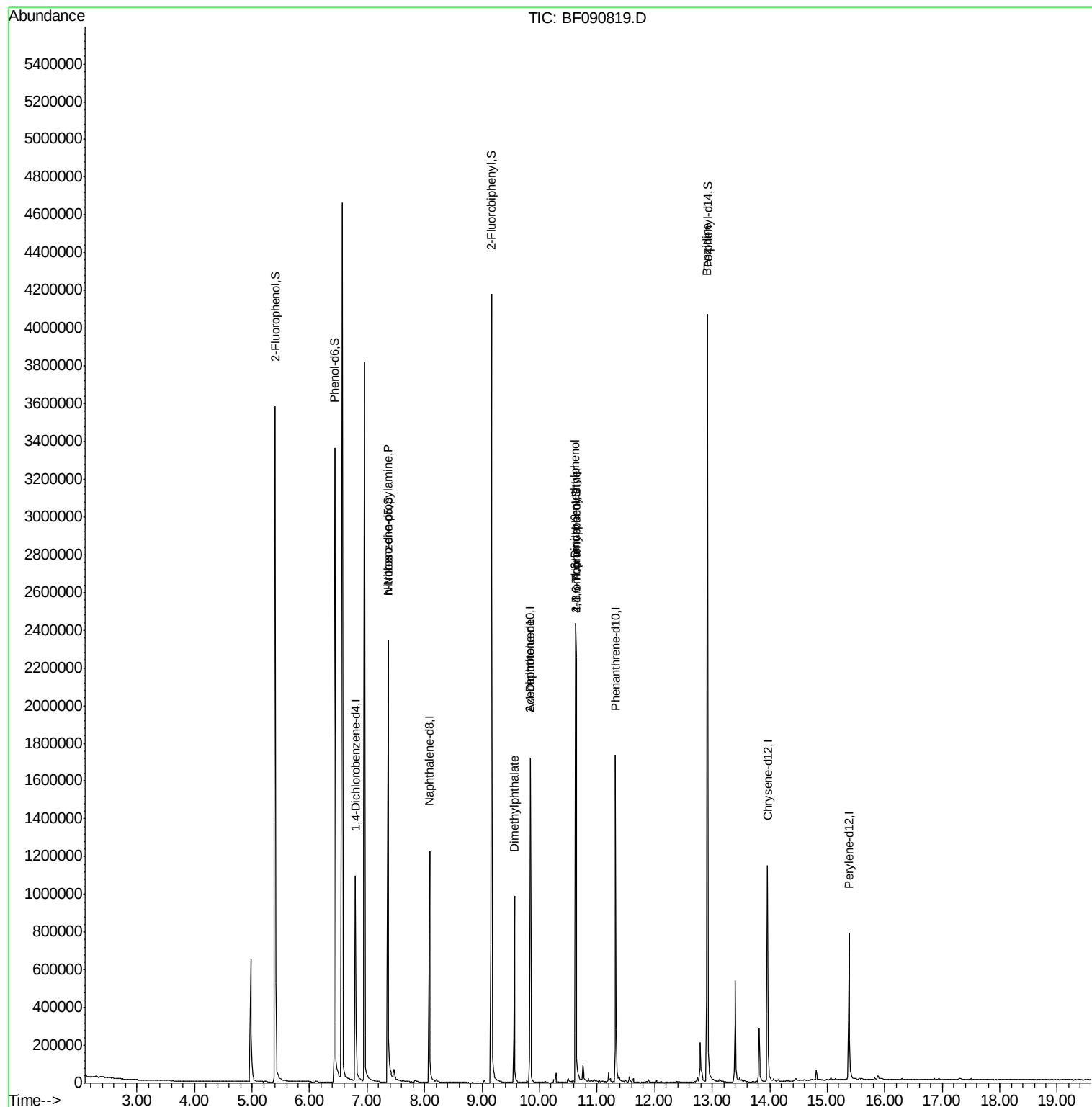
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	192078	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	761066	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	399160	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	681005	20.00	ng	0.00
75) Chrysene-d12	13.96	240	456438	20.00	ng	0.00
86) Perylene-d12	15.38	264	359488	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1259377	105.74	ng	0.01
7) Phenol-d6	6.44	99	1668592	103.43	ng	0.00
23) Nitrobenzene-d5	7.37	82	1087064	78.34	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	569479	180.25	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	2015464	78.38	ng	-0.01
78) Terphenyl-d14	12.92	244	2171382	109.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	141175	11.75	ng	# 49
49) Dimethylphthalate	9.56	163	460321	18.35	ng	# 98
56) 2,4-Dinitrotoluene	9.84	165	50812	7.71	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.62	198	834	4.35	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	35105	5.32	ng	# 1
76) Benzidine	12.91	184	25252	2.49	ng	# 95

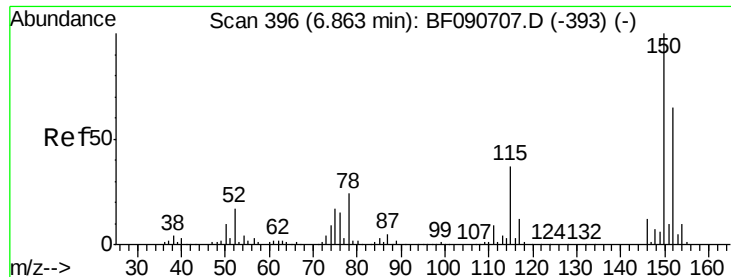
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTH

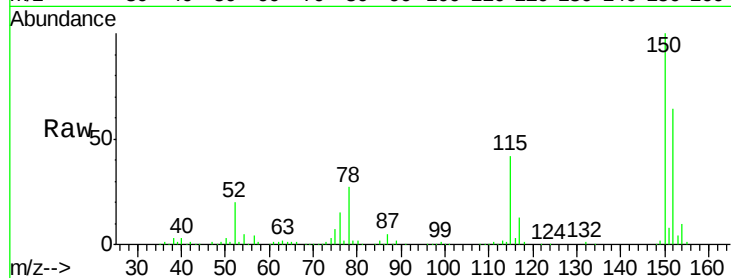
Tgt Ion:152 Resp: 192078

Ion Ratio Lower Upper

152 100

150 155.6 124.7 187.1

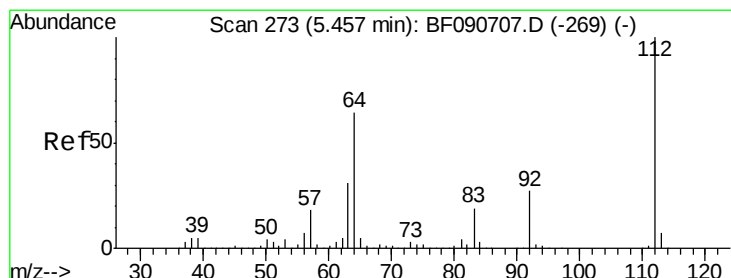
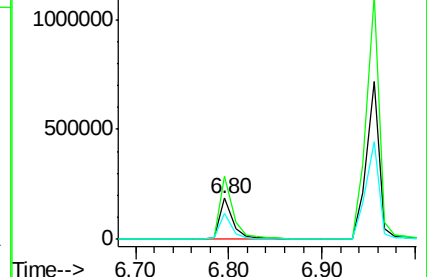
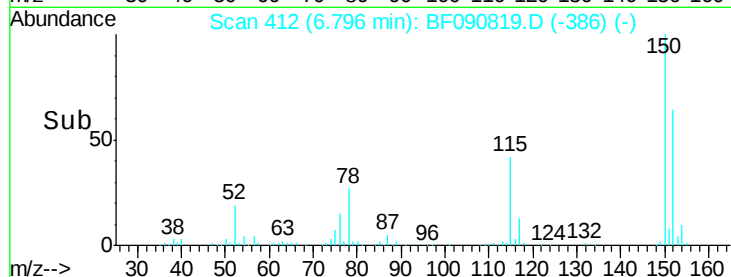
115 64.7 39.0 58.4#



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: 105.74 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

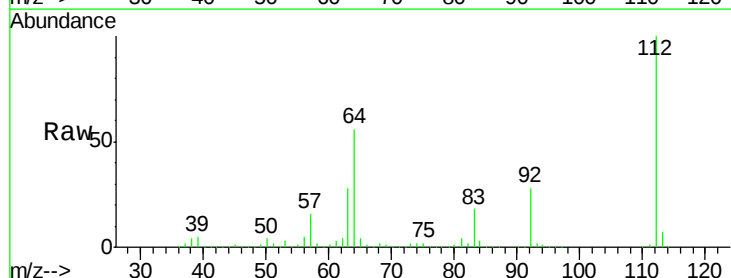
Tgt Ion:112 Resp: 1259377

Ion Ratio Lower Upper

112 100

64 56.0 39.7 59.5

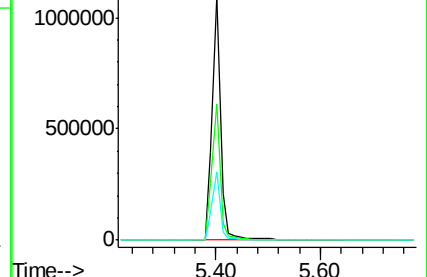
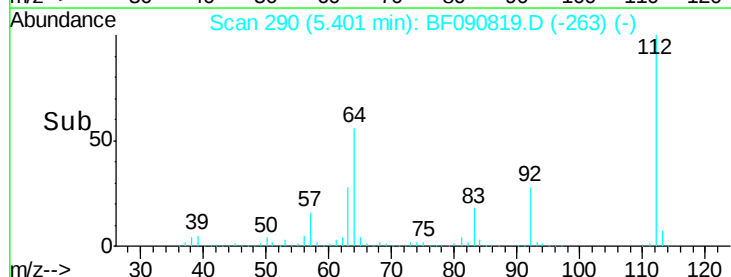
63 28.2 17.4 26.0#

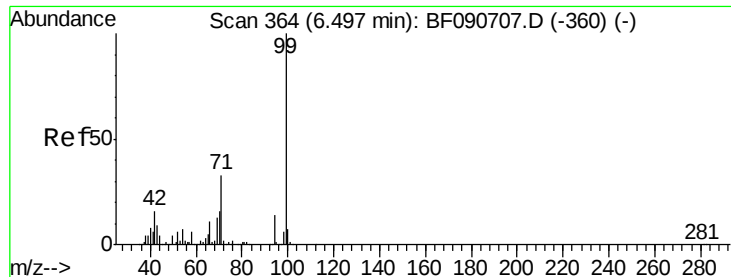


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.43 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

Instrument :

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ClientSampleId :

BOTTOM-NORTH

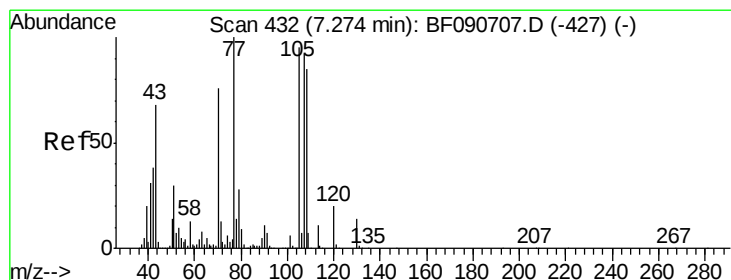
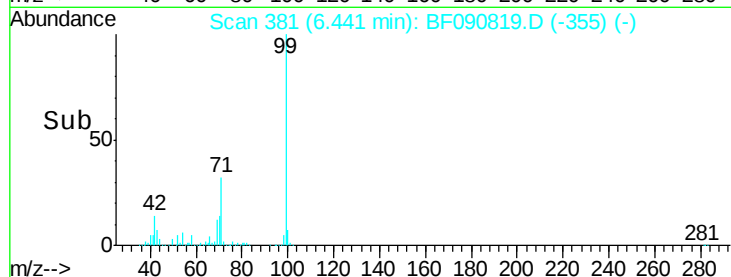
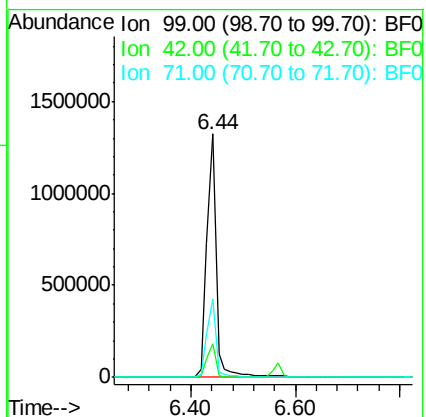
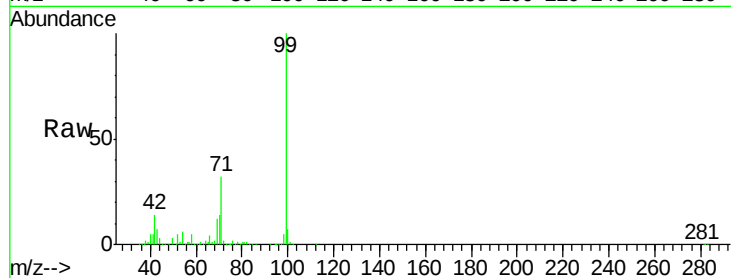
Tgt Ion: 99 Resp: 1668592

Ion Ratio Lower Upper

99 100

42 13.9 13.7 20.5

71 32.1 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.75 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

Tgt Ion: 70 Resp: 141175

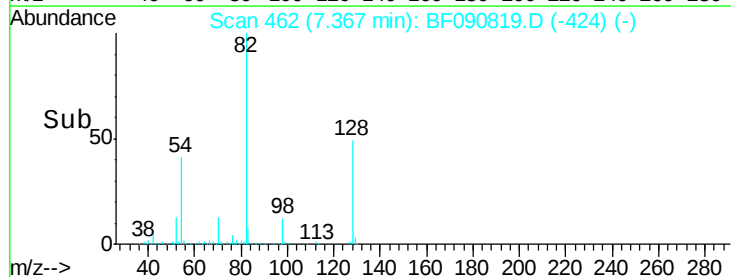
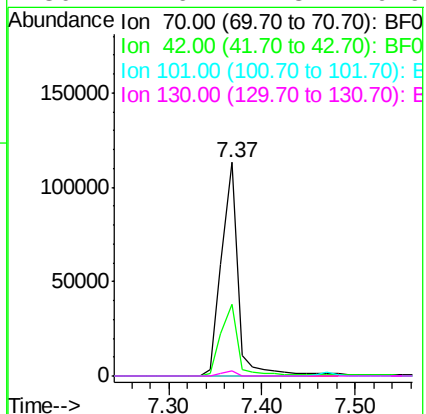
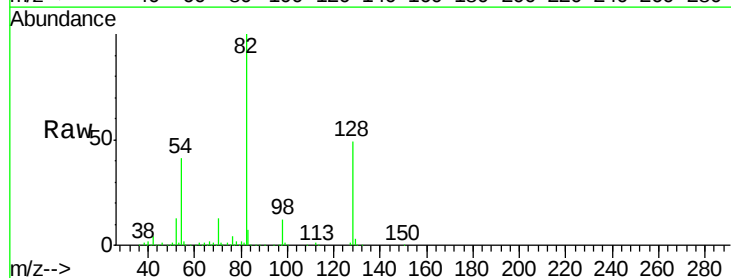
Ion Ratio Lower Upper

70 100

42 33.8 63.8 95.6#

101 0.0 9.2 13.8#

130 2.6 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTH

Tgt Ion:136 Resp: 761066

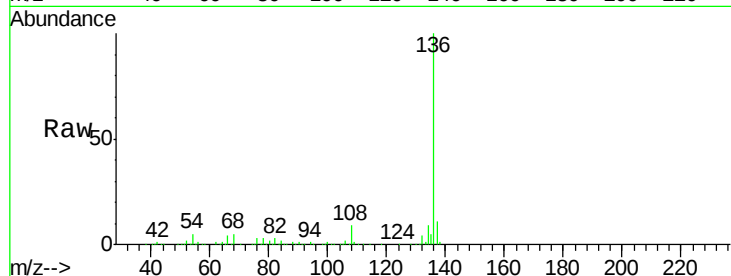
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 5.2 8.2 12.2#

68 5.2 5.8 8.6#

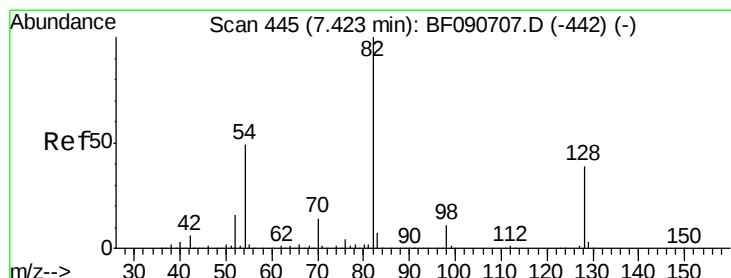
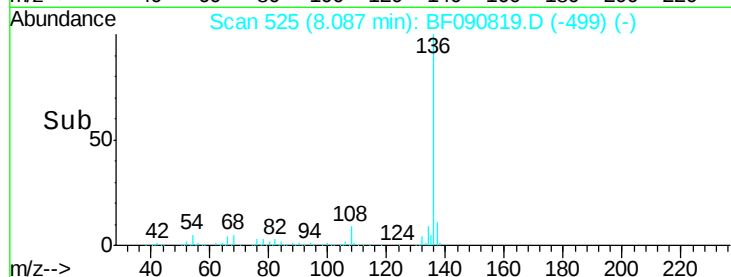
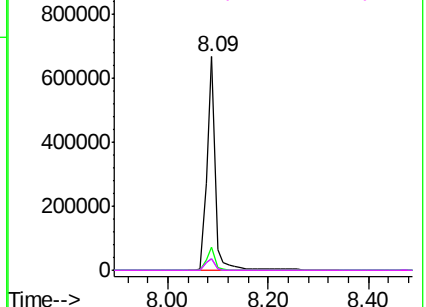


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.34 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.00 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

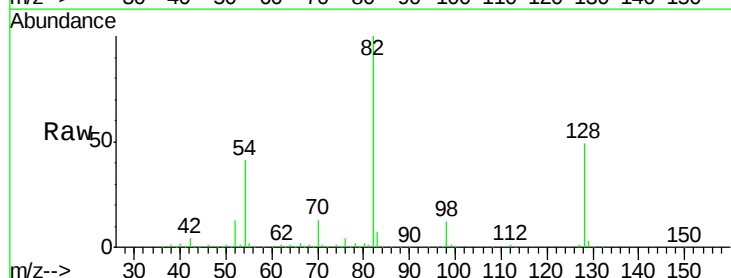
Tgt Ion: 82 Resp: 1087064

Ion Ratio Lower Upper

82 100

128 49.2 51.0 76.6#

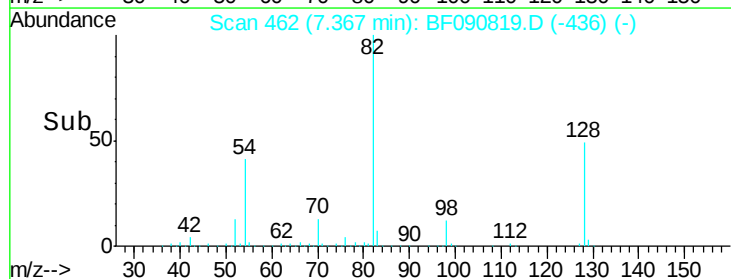
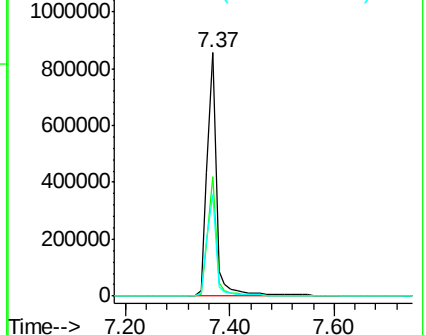
54 41.5 47.5 71.3#

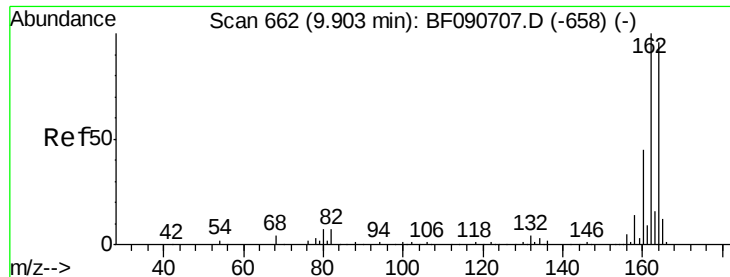


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTH

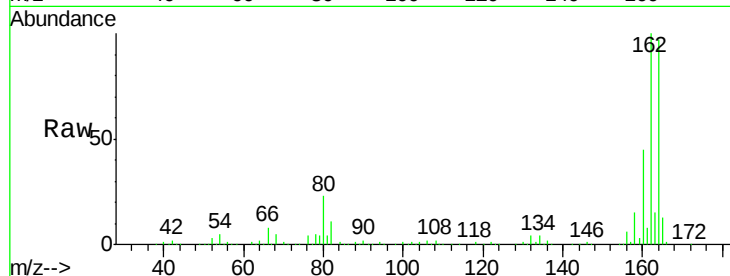
Tgt Ion:164 Resp: 399160

Ion Ratio Lower Upper

164 100

162 103.2 75.2 112.8

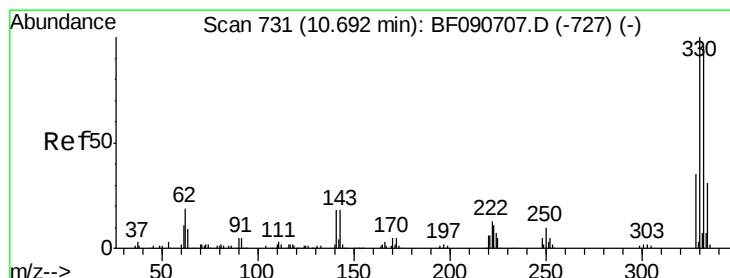
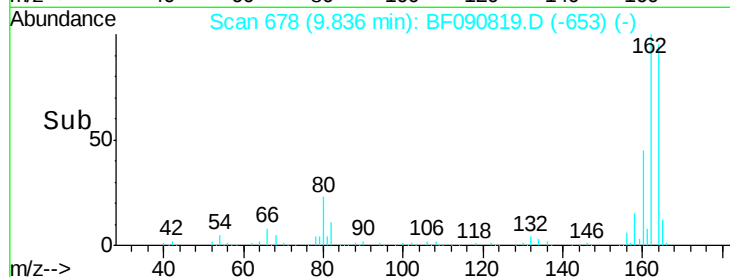
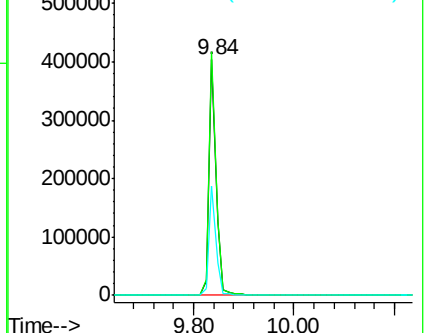
160 46.3 31.5 47.3



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: 180.25 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

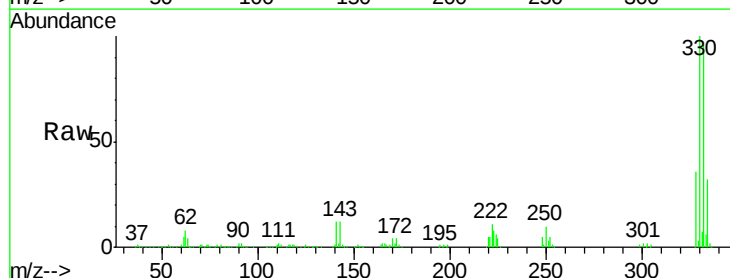
Tgt Ion:330 Resp: 569479

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

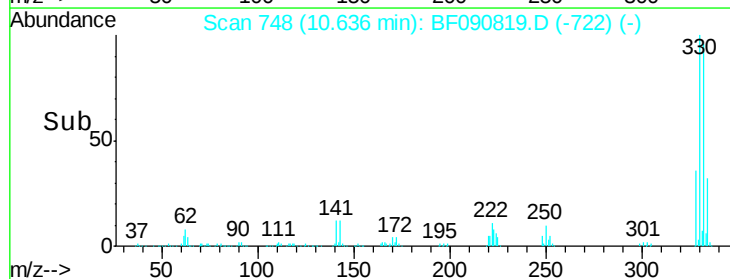
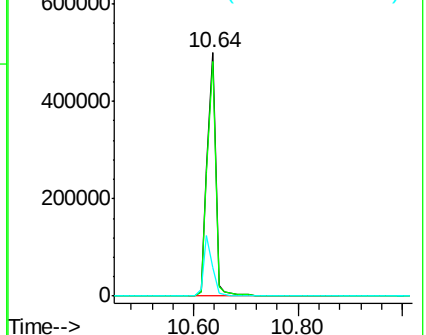
141 26.0 29.7 44.5#

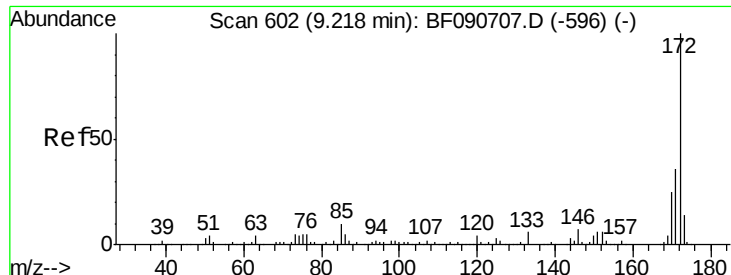


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

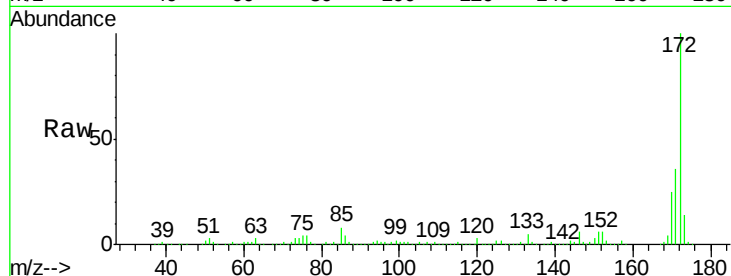




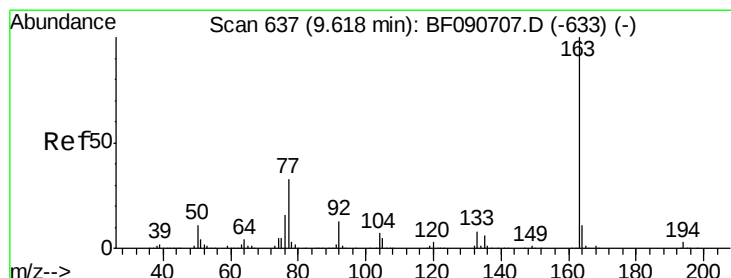
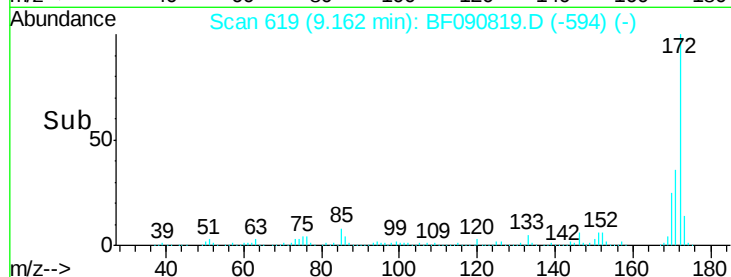
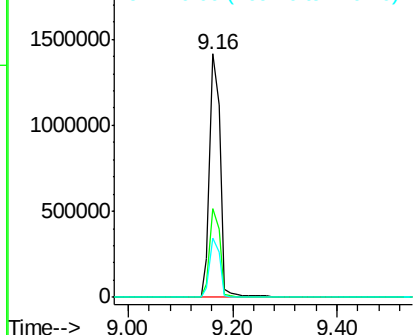
#44
 2-Fluorobiphenyl
 Concen: 78.38 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

Instrument :
 BNA_F
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 BOTTOM-NORTH

Tgt Ion:172 Resp: 2015464
 Ion Ratio Lower Upper
 172 100
 171 36.5 26.1 39.1
 170 24.6 17.4 26.2

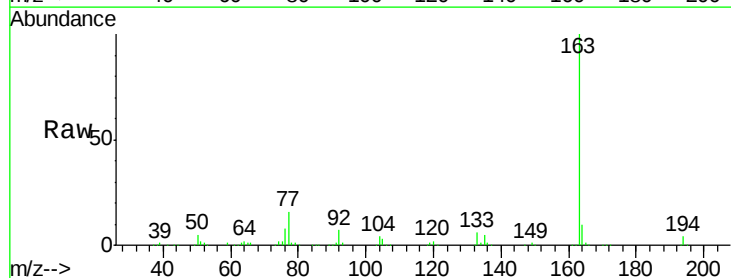


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

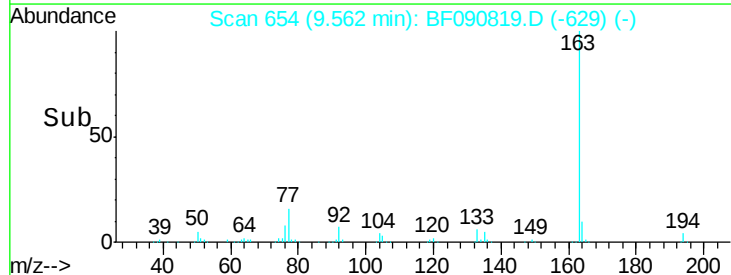
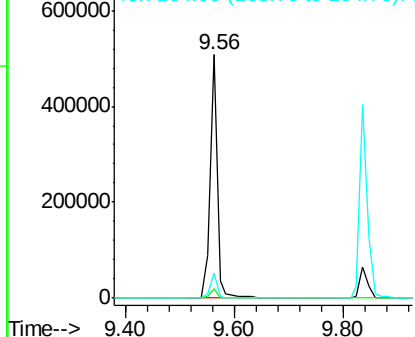


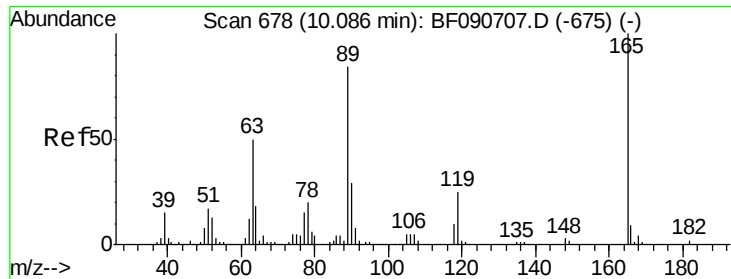
#49
 Dimethylphthalate
 Concen: 18.35 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

Tgt Ion:163 Resp: 460321
 Ion Ratio Lower Upper
 163 100
 194 3.6 4.4 6.6#
 164 10.3 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

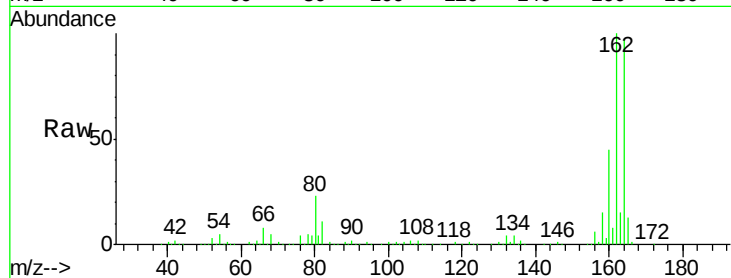




#56
 2,4-Dinitrotoluene
 Concen: 7.71 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.21 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTH

Tgt Ion:	165	Resp:	50812
Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.8	44.6#
89	0.9	44.5	66.7#
182	0.0	3.0	4.4#

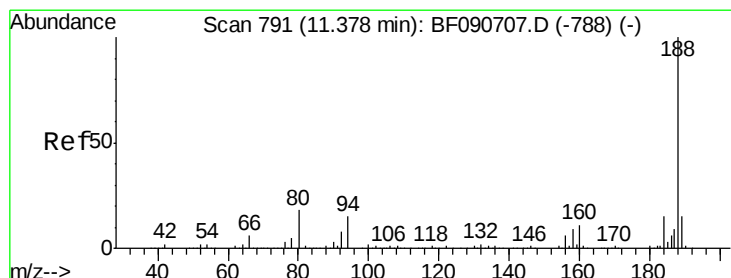
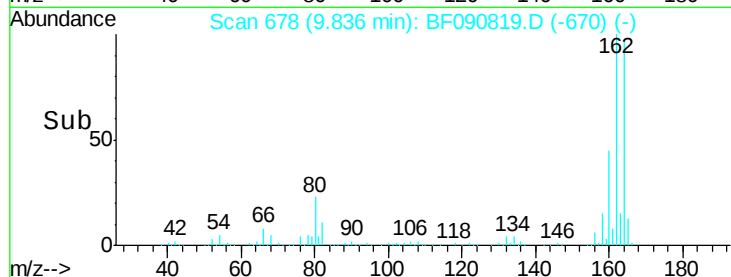
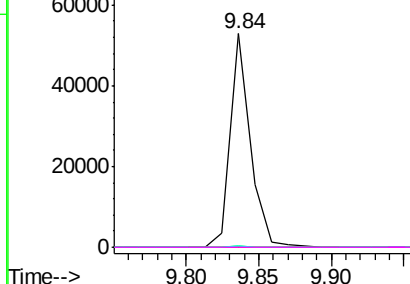


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

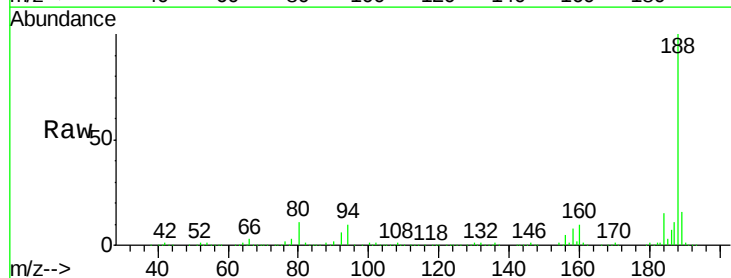
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

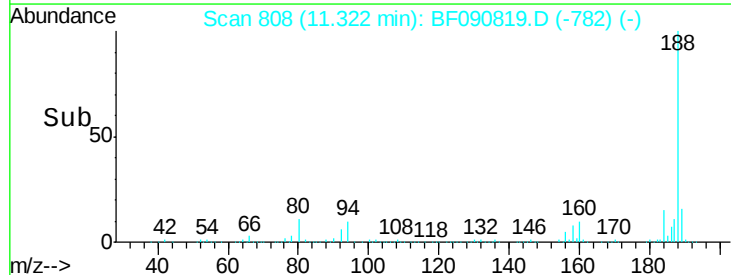
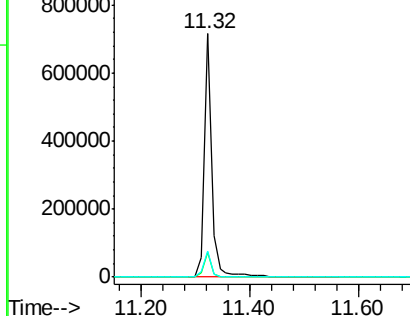
Tgt Ion:	188	Resp:	681005
Ion	Ratio	Lower	Upper
188	100		
94	10.2	11.1	16.7#
80	10.8	11.0	16.4#

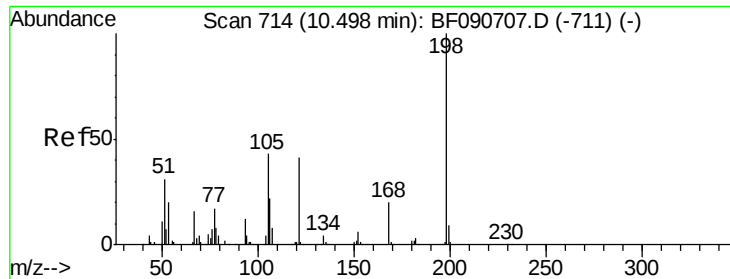


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

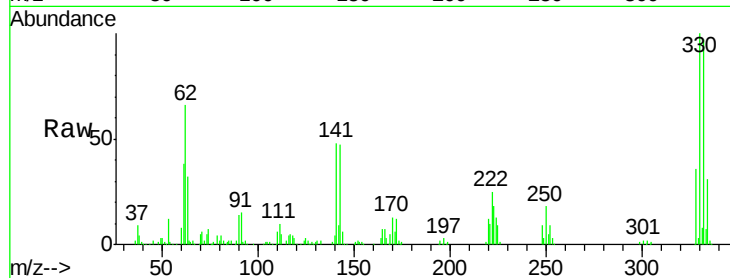




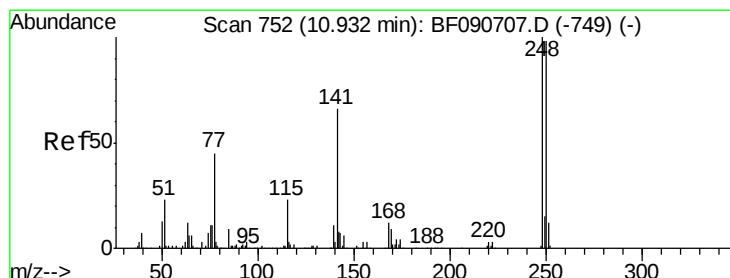
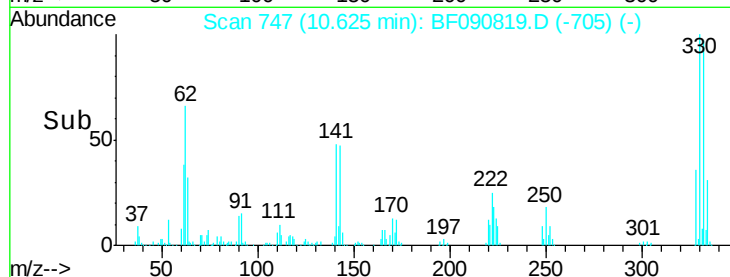
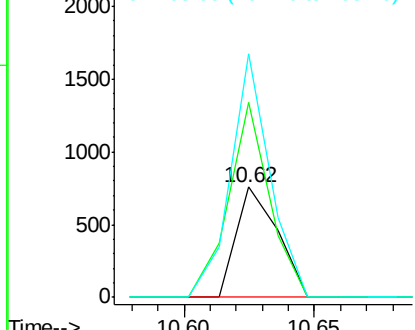
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.35 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.18 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

Instrument :
 BNA_F
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 BOTTOM-NORTH

Tgt Ion:198 Resp: 834
 Ion Ratio Lower Upper
 198 100
 51 177.1 39.6 79.6#
 105 220.6 28.5 68.5#

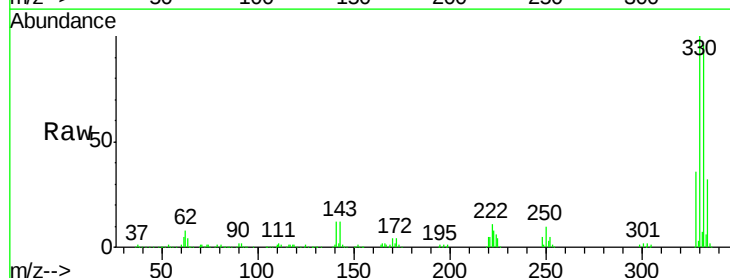


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

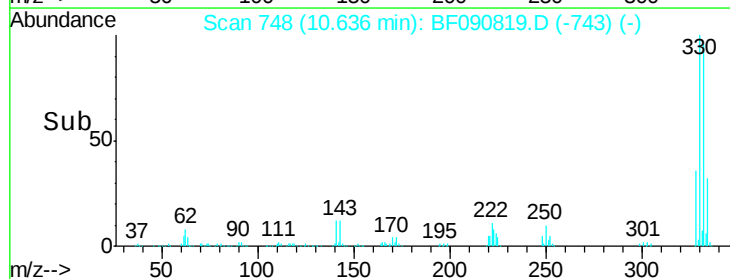
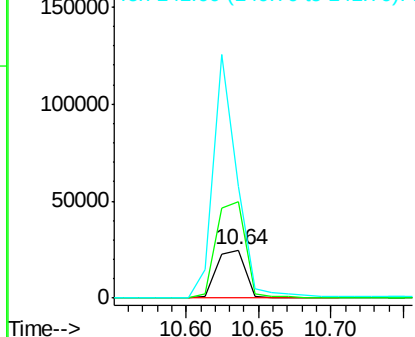


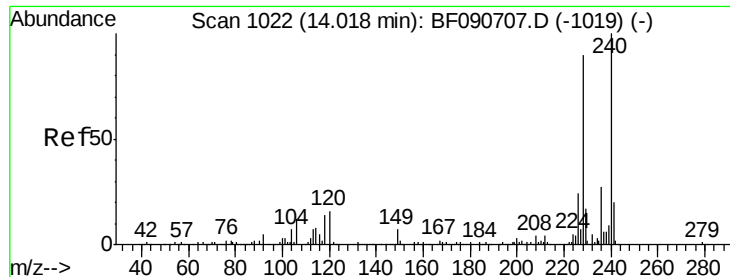
#66
 4-Bromophenyl-phenylether
 Concen: 5.32 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.24 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

Tgt Ion:248 Resp: 35105
 Ion Ratio Lower Upper
 248 100
 250 200.5 78.5 117.7#
 141 233.1 59.0 88.6#



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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTH

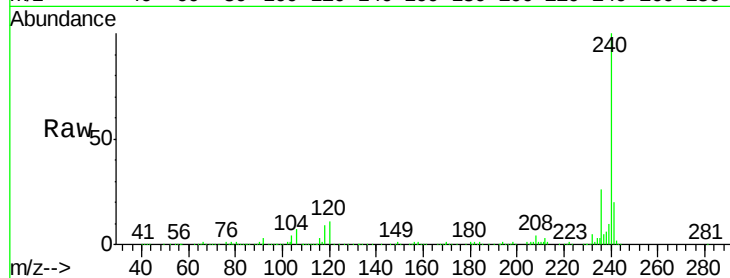
Tgt Ion:240 Resp: 456438

Ion Ratio Lower Upper

240 100

120 10.9 16.2 24.2#

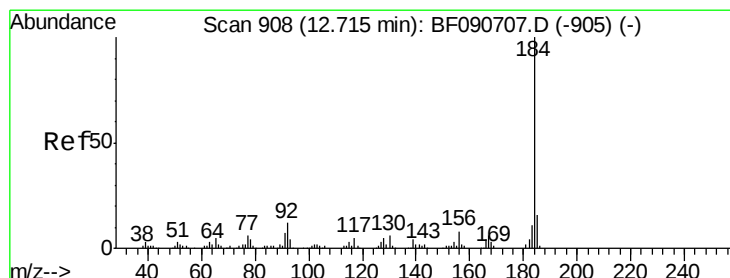
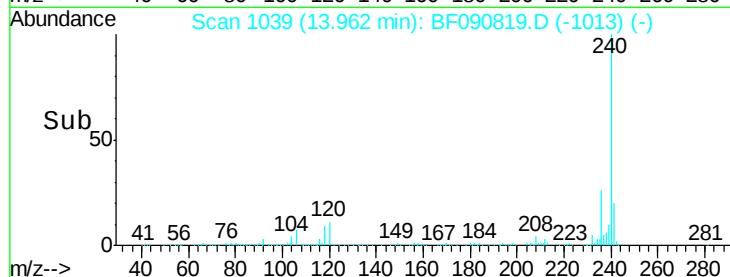
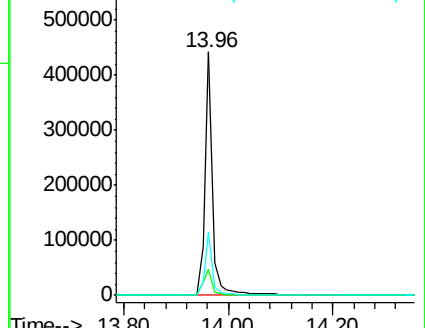
236 26.2 18.4 27.6



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



#76

Benzidine

Concen: 2.49 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.24 min

Lab File: BF090819.D

Acq: 25 Oct 2016 20:39

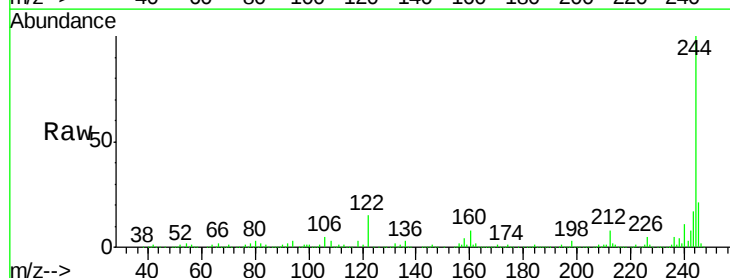
Tgt Ion:184 Resp: 25252

Ion Ratio Lower Upper

184 100

185 16.3 11.8 17.6

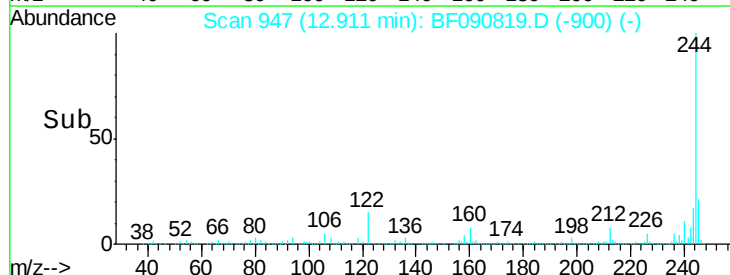
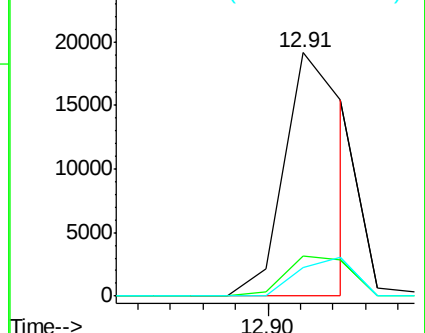
183 11.6 7.6 11.4#

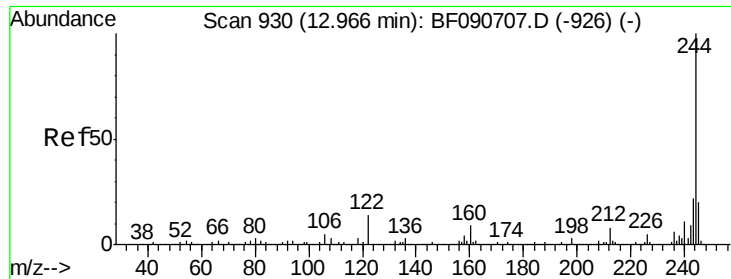


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

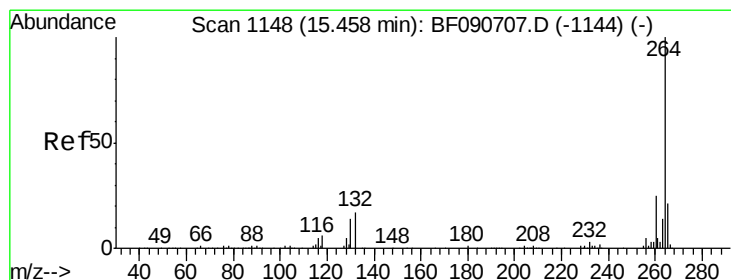
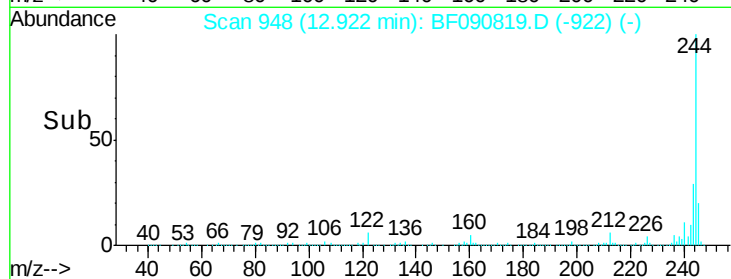
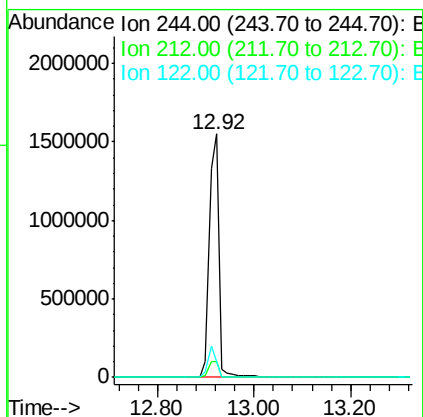
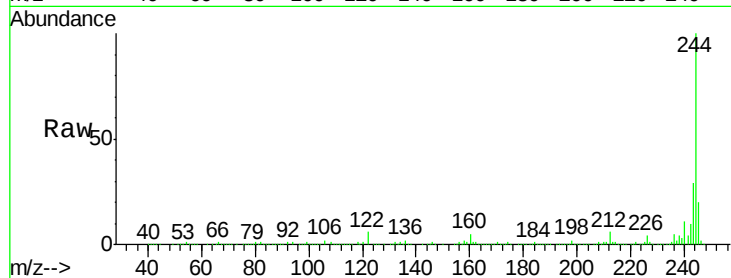




#78
 Terphenyl-d14
 Concen: 109.03 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTH

Tgt Ion:244 Resp: 2171382
 Ion Ratio Lower Upper
 244 100
 212 6.4 4.3 6.5
 122 6.3 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF090819.D
 Acq: 25 Oct 2016 20:39

Tgt Ion:264 Resp: 359488
 Ion Ratio Lower Upper
 264 100
 260 24.8 16.7 25.1
 265 21.5 17.2 25.8

