

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090809.D
 Acq On : 25 Oct 2016 16:09
 Operator : UM/SJ
 Sample : PB94289BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94289BL

Quant Time: Oct 25 17:03:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

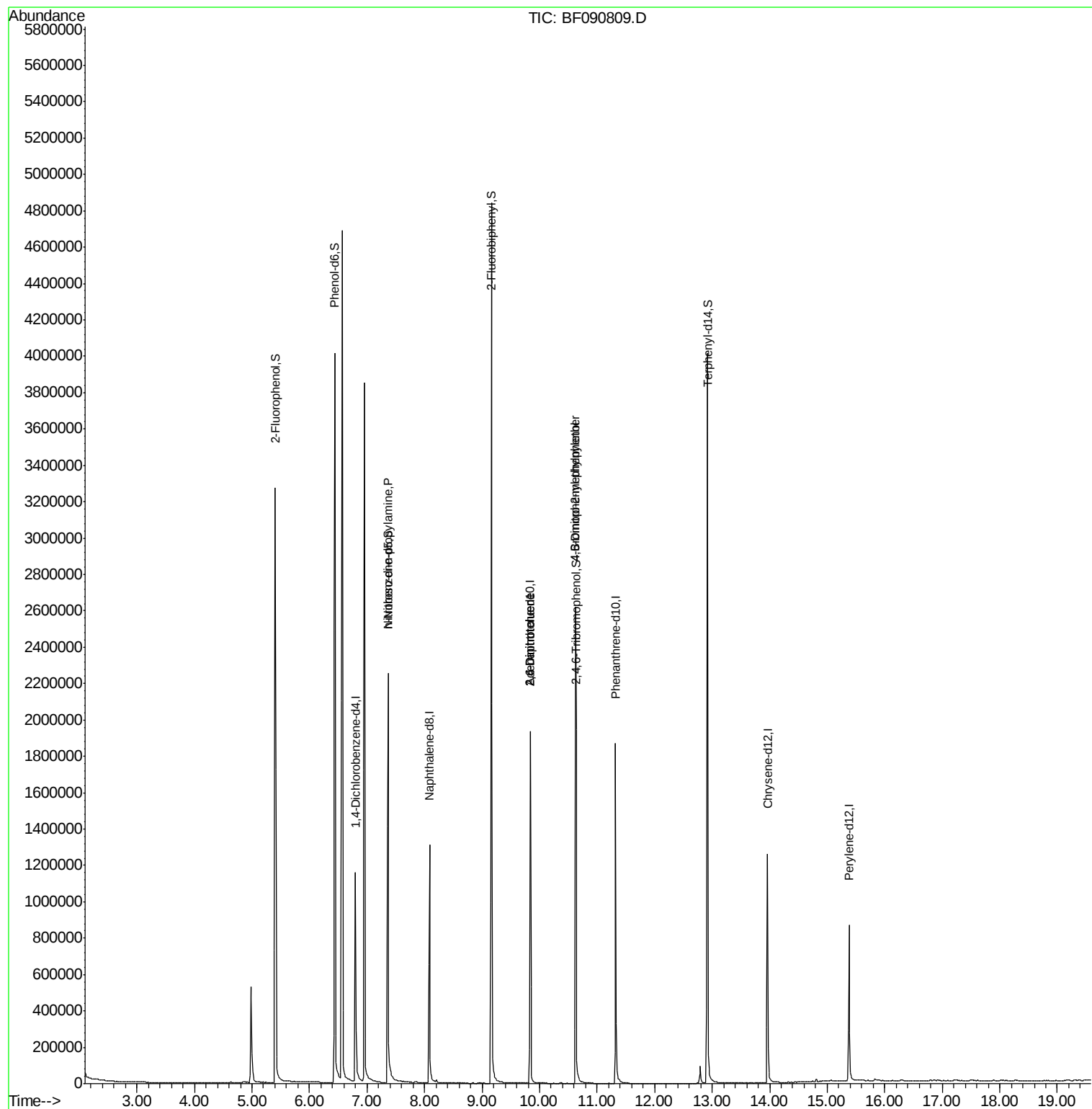
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	200755	20.00	ng	-0.07
21) Naphthalene-d8	8.09	136	822931	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	433888	20.00	ng	-0.07
63) Phenanthrene-d10	11.32	188	725774	20.00	ng	-0.07
75) Chrysene-d12	13.96	240	504332	20.00	ng	-0.06
86) Perylene-d12	15.38	264	388358	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1337104	107.41	ng	-0.06
7) Phenol-d6	6.44	99	1971234	116.91	ng	-0.06
23) Nitrobenzene-d5	7.37	82	1140569	76.02	ng	-0.06
41) 2,4,6-Tribromophenol	10.64	330	513621	149.56	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1979789	70.83	ng	-0.07
78) Terphenyl-d14	12.92	244	2091231	95.03	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	145899	11.62	ng	# 48
50) 2,6-Dinitrotoluene	9.84	165	55480	9.46	ng	# 38
56) 2,4-Dinitrotoluene	9.84	165	55757	7.78	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.62	198	850	4.34	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	31440	4.47	ng	# 1

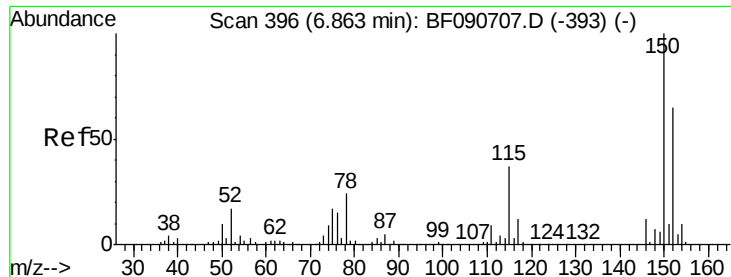
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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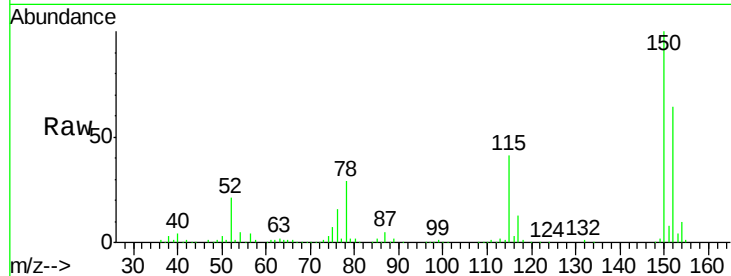


#1

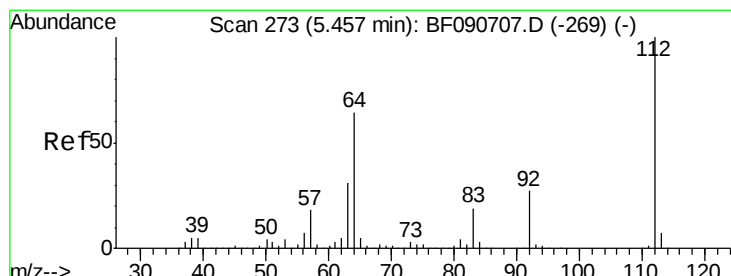
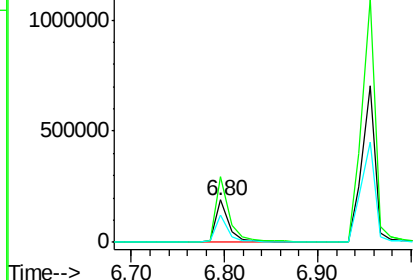
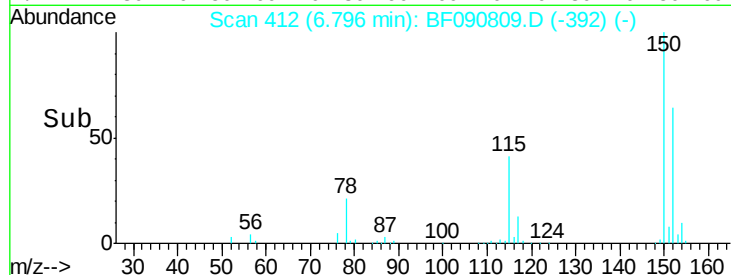
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.07 min
Lab File: BF090809.D
Acq: 25 Oct 2016 16:09

Instrument :
BNA_F
ClientSampleId :
PB94289BL

Tgt Ion:152 Resp: 200755
Ion Ratio Lower Upper
152 100
150 156.2 124.7 187.1
115 64.5 39.0 58.4#



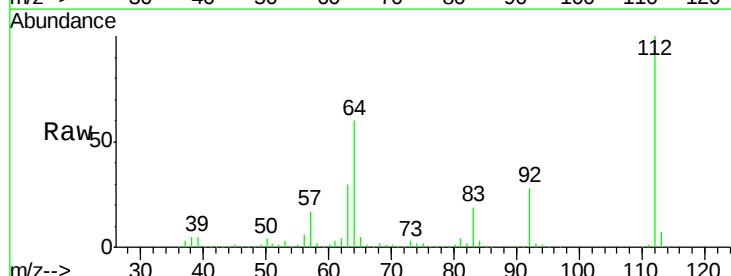
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



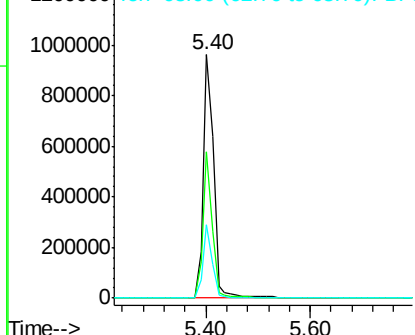
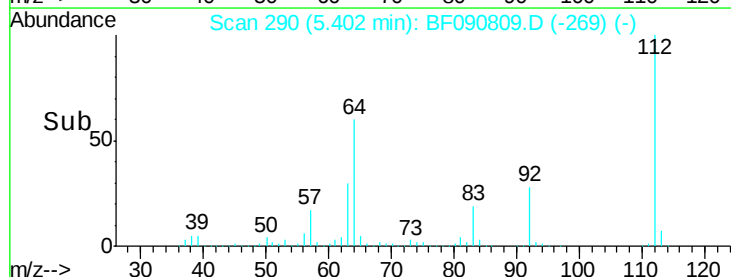
#5

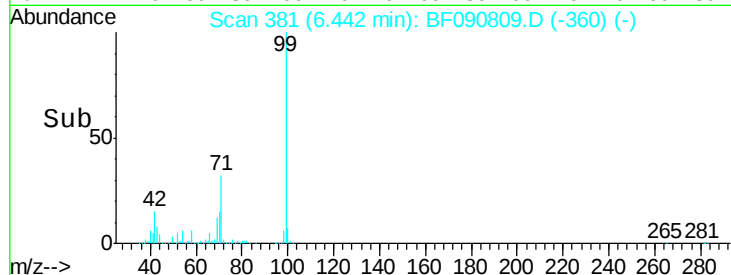
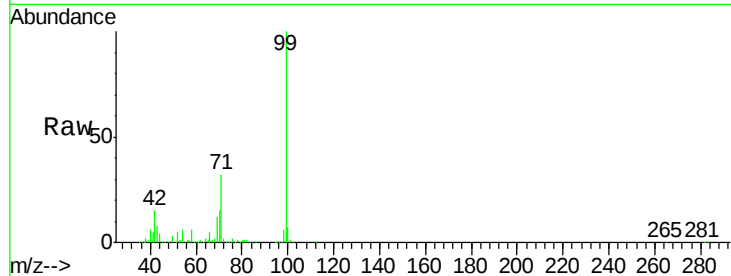
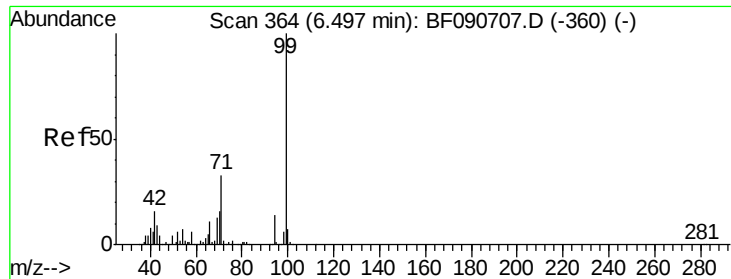
2-Fluorophenol
Concen: 107.41 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.06 min
Lab File: BF090809.D
Acq: 25 Oct 2016 16:09

Tgt Ion:112 Resp: 1337104
Ion Ratio Lower Upper
112 100
64 60.2 39.7 59.5#
63 29.9 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: 116.91 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.06 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

Instrument :

BNA_F

ClientSampleId :

PB94289BL

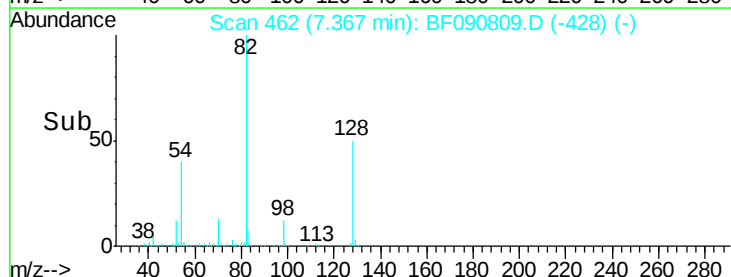
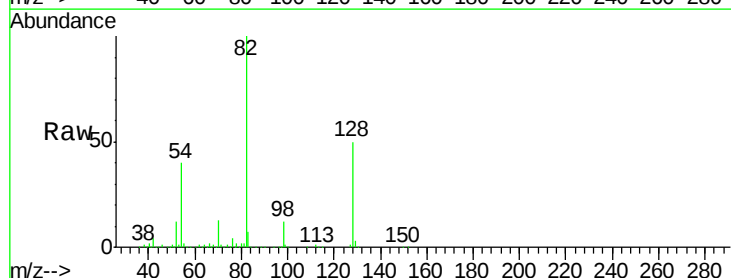
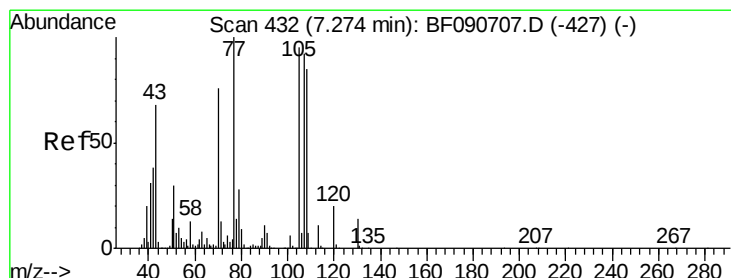
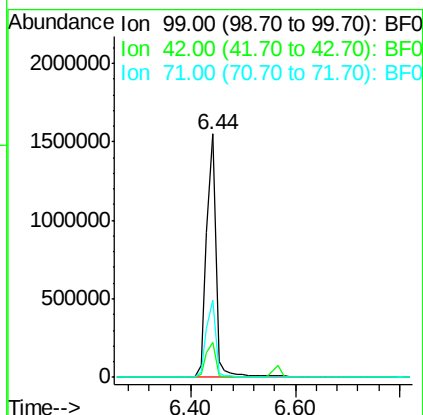
Tgt Ion: 99 Resp: 1971234

Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

71 31.8 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.62 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

Tgt Ion: 70 Resp: 145899

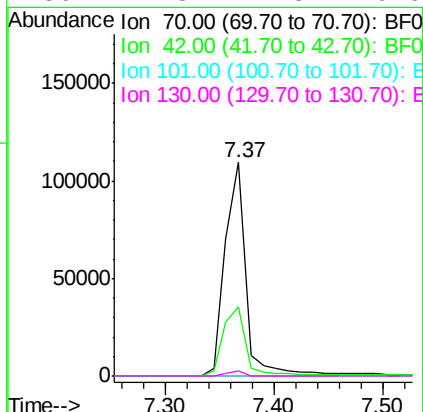
Ion Ratio Lower Upper

70 100

42 32.4 63.8 95.6#

101 0.0 9.2 13.8#

130 2.3 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

Instrument :

BNA_F

ClientSampleId :

PB94289BL

Tgt Ion:136 Resp: 822931

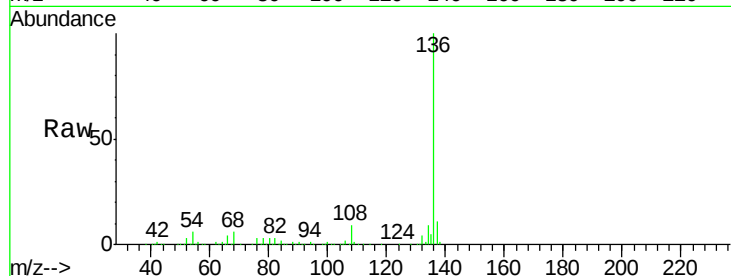
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 5.9 8.2 12.2#

68 5.7 5.8 8.6#

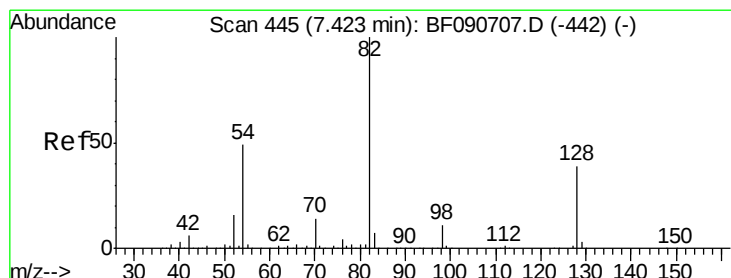
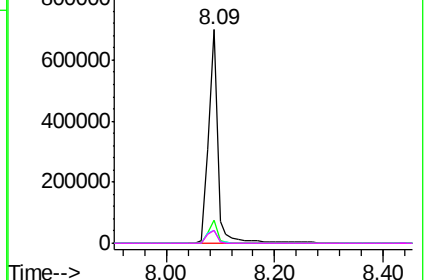
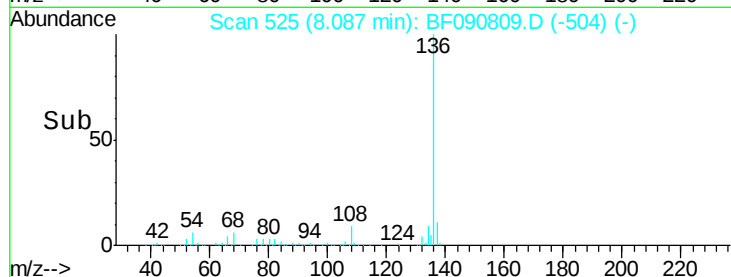


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.02 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.06 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

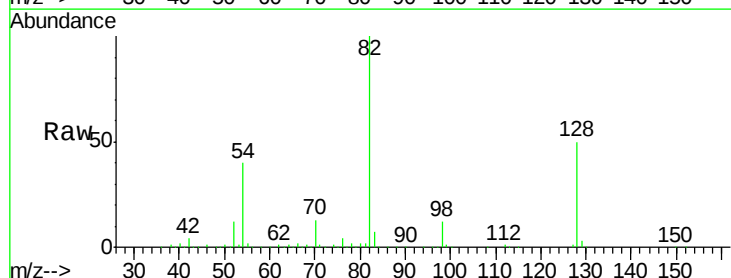
Tgt Ion: 82 Resp: 1140569

Ion Ratio Lower Upper

82 100

128 50.3 51.0 76.6#

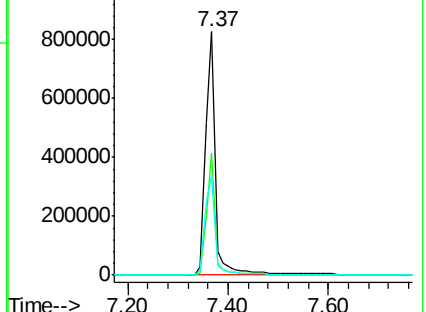
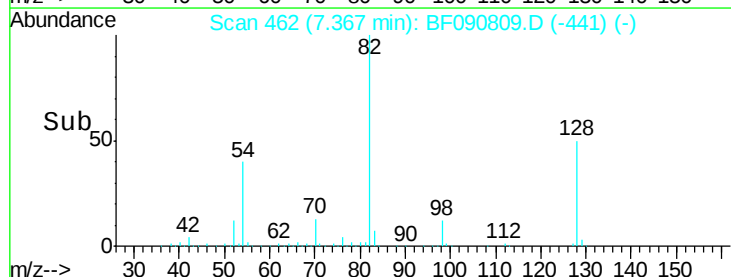
54 40.5 47.5 71.3#

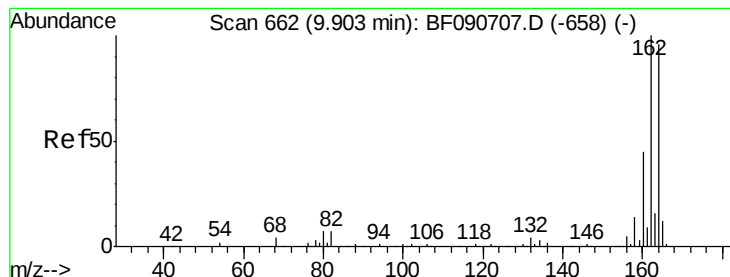


Abundance Ion 82.00 (81.70 to 82.70): BF0

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. -0.07 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

Instrument :

BNA_F

ClientSampleId :

PB94289BL

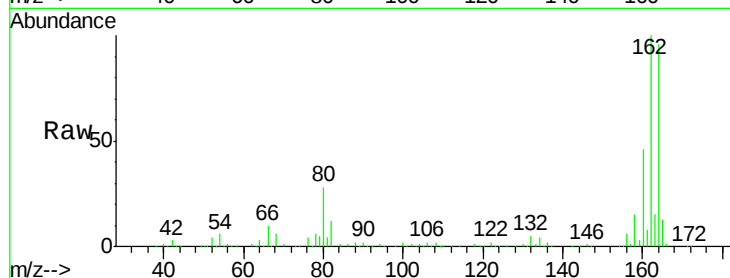
Tgt Ion:164 Resp: 433888

Ion Ratio Lower Upper

164 100

162 104.3 75.2 112.8

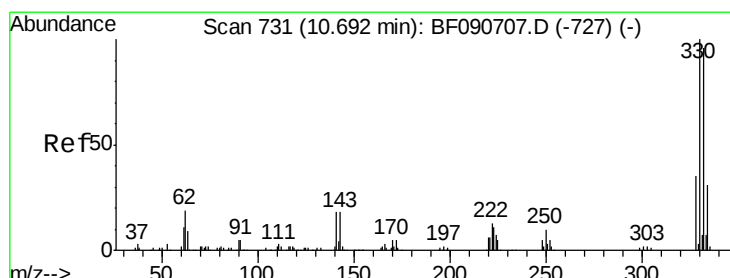
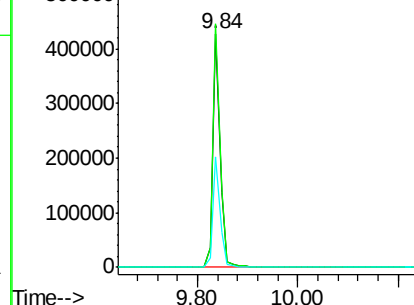
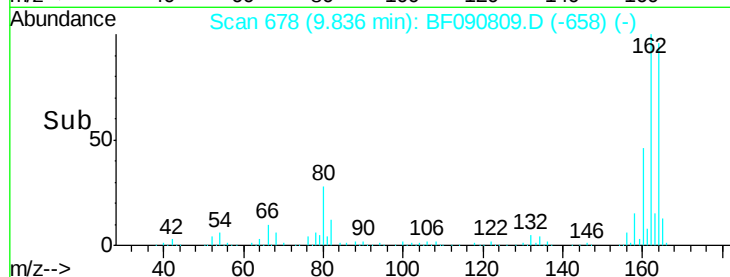
160 47.6 31.5 47.3#



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: 149.56 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

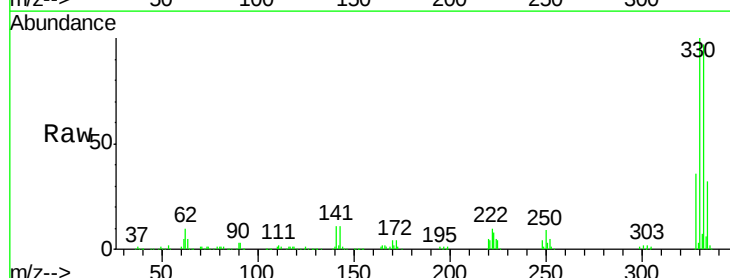
Tgt Ion:330 Resp: 513621

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

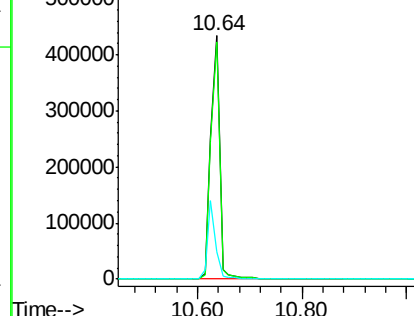
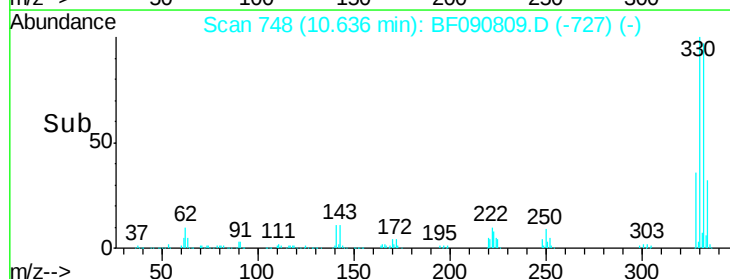
141 29.9 29.7 44.5

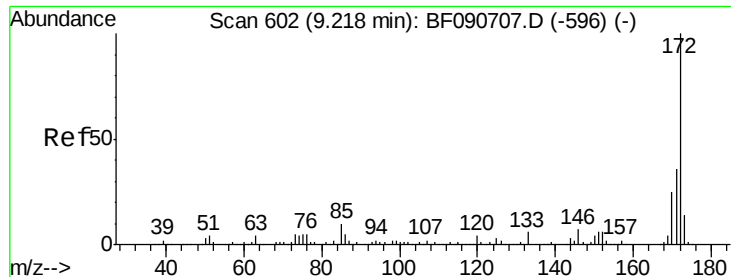


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

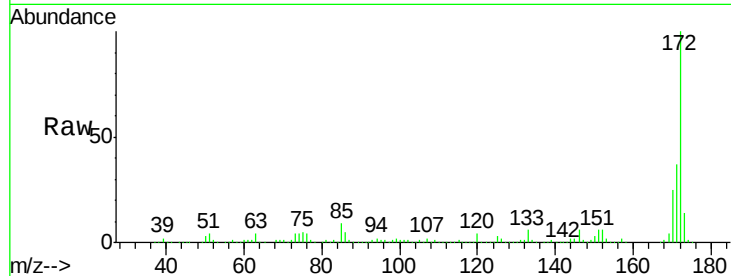




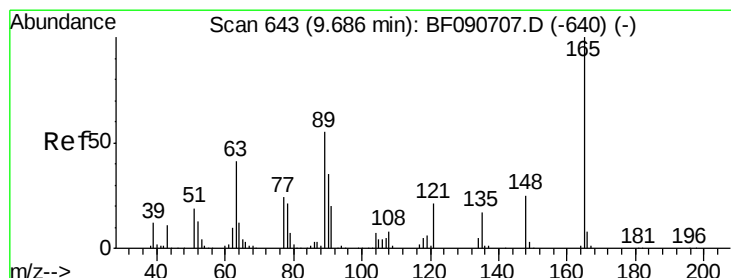
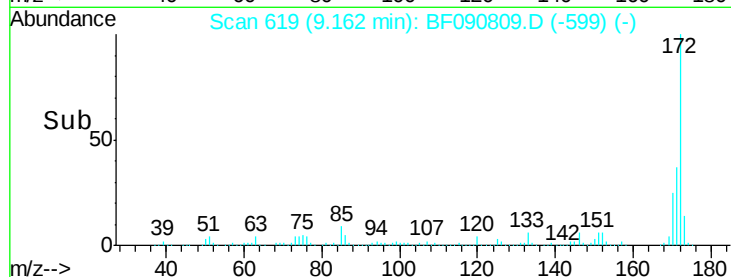
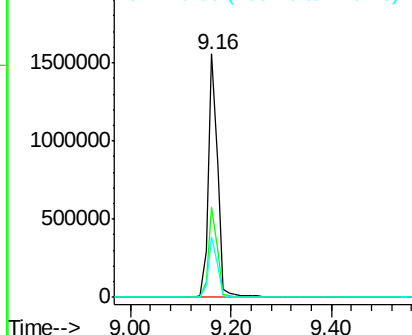
#44
 2-Fluorobiphenyl
 Concen: 70.83 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.07 min
 Lab File: BF090809.D
 Acq: 25 Oct 2016 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB94289BL

Tgt Ion:172 Resp: 1979789
 Ion Ratio Lower Upper
 172 100
 171 36.9 26.1 39.1
 170 25.0 17.4 26.2

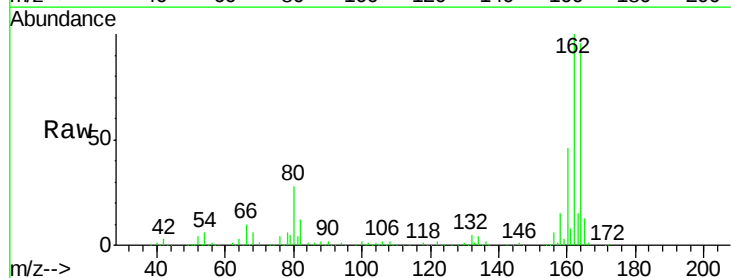


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

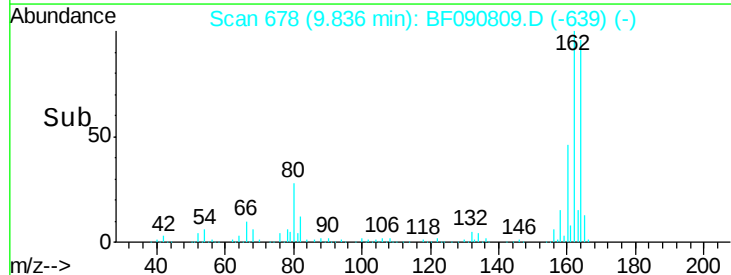
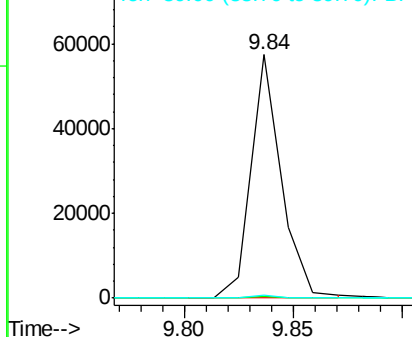


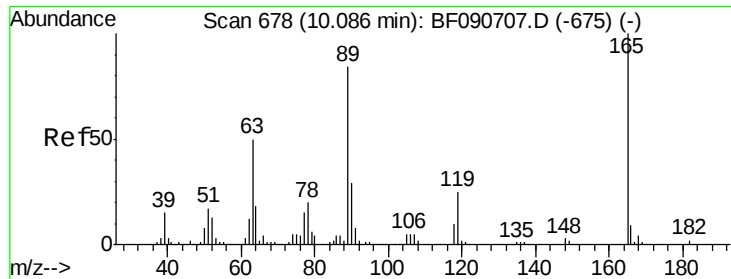
#50
 2,6-Dinitrotoluene
 Concen: 9.46 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.15 min
 Lab File: BF090809.D
 Acq: 25 Oct 2016 16:09

Tgt Ion:165 Resp: 55480
 Ion Ratio Lower Upper
 165 100
 63 0.9 32.3 48.5#
 89 1.0 28.6 43.0#



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

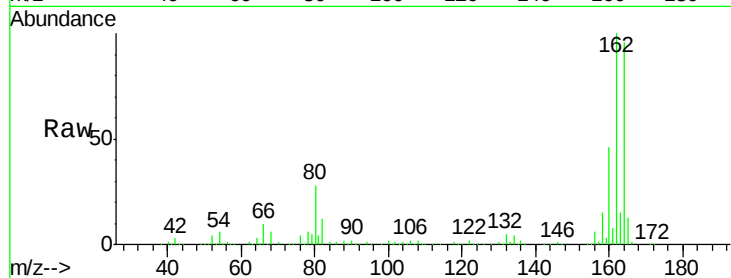




#56
 2,4-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.25 min
 Lab File: BF090809.D
 Acq: 25 Oct 2016 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB94289BL

Tgt Ion:	165	Resp:	55757
Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.6#
89	1.0	44.5	66.7#
182	0.0	3.0	4.4#

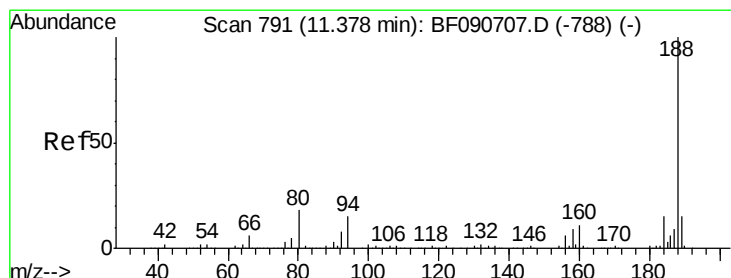
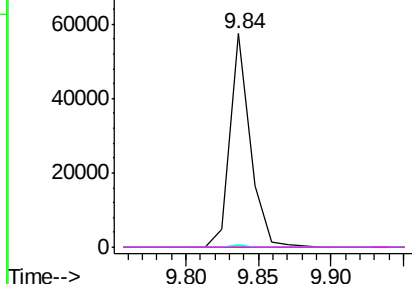
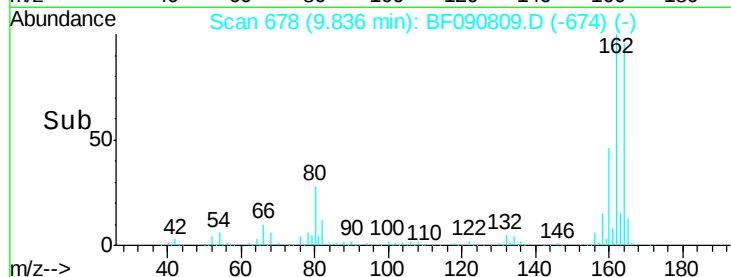


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

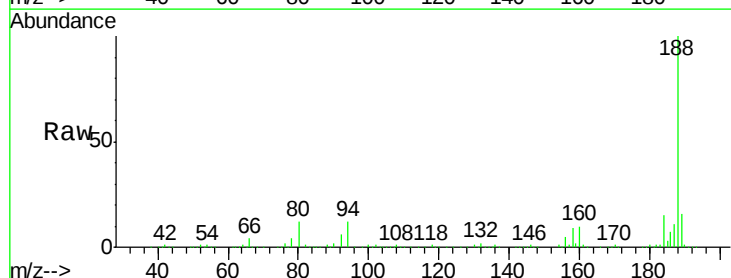
Ion 89.00 (88.70 to 89.70): BF0

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. -0.07 min
 Lab File: BF090809.D
 Acq: 25 Oct 2016 16:09

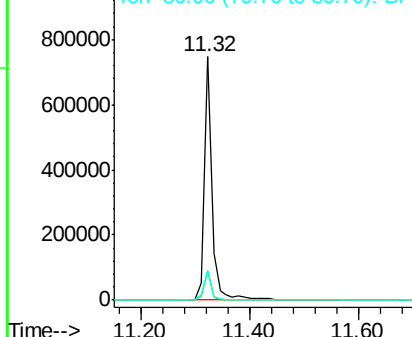
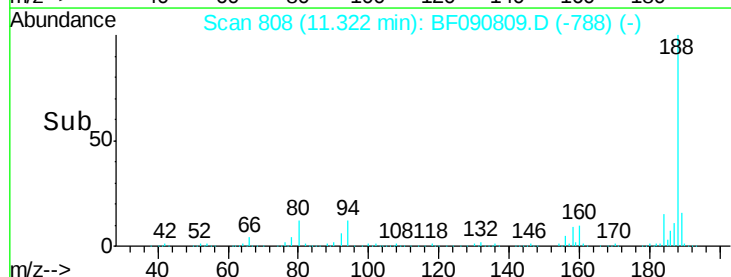
Tgt Ion:	188	Resp:	725774
Ion	Ratio	Lower	Upper
188	100		
94	11.6	11.1	16.7
80	12.5	11.0	16.4

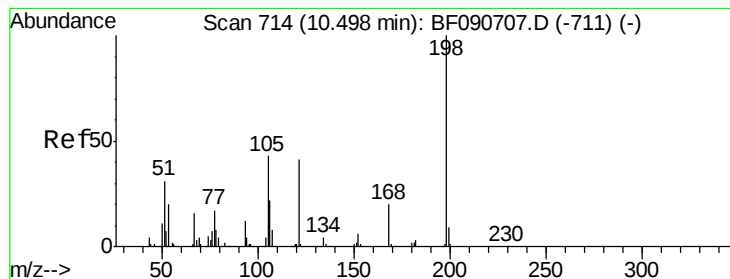


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.34 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.13 min

Lab File: BF090809.D

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PB94289BL

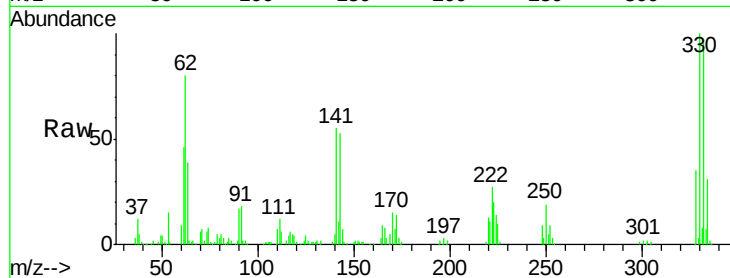
Tgt Ion:198 Resp: 850

Ion Ratio Lower Upper

198 100

51 184.1 39.6 79.6#

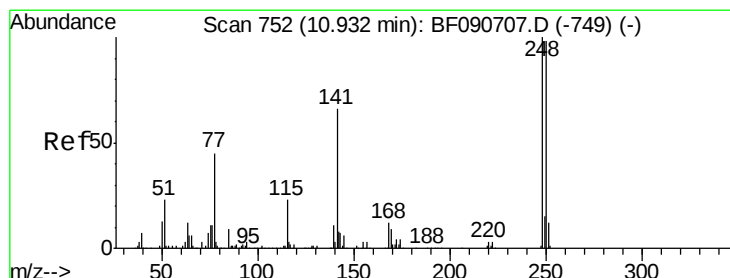
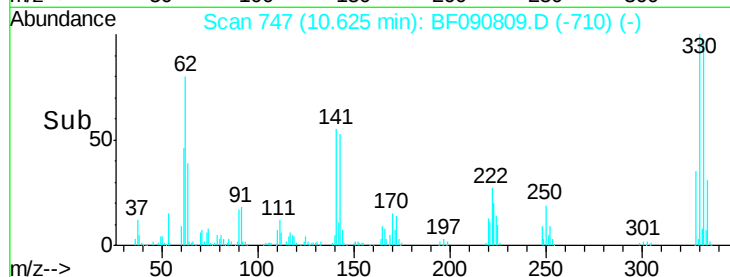
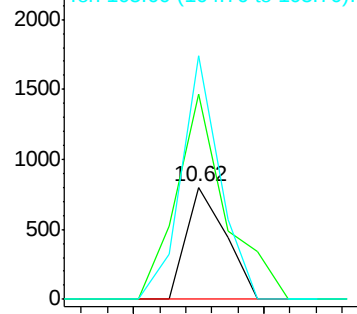
105 217.8 28.5 68.5#



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: 4.47 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.31 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

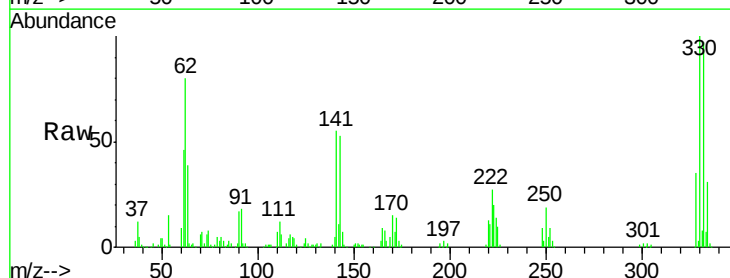
Tgt Ion:248 Resp: 31440

Ion Ratio Lower Upper

248 100

250 202.6 78.5 117.7#

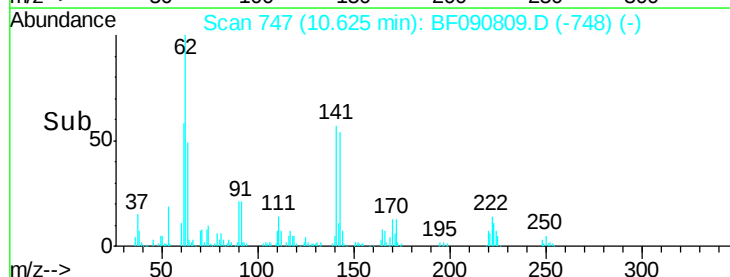
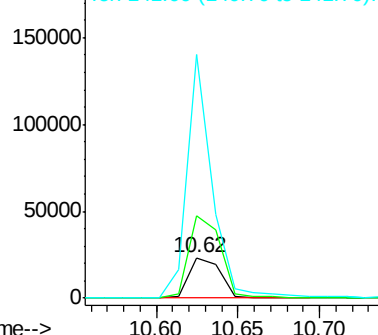
141 598.8 59.0 88.6#

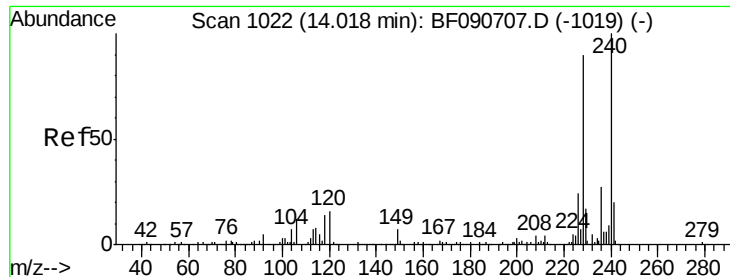


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.06 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

Instrument :

BNA_F

ClientSampleId :

PB94289BL

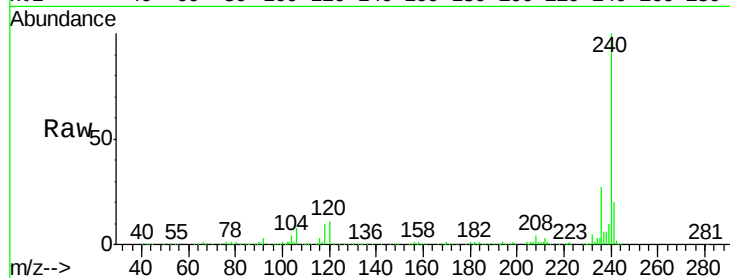
Tgt Ion:240 Resp: 504332

Ion Ratio Lower Upper

240 100

120 11.3 16.2 24.2#

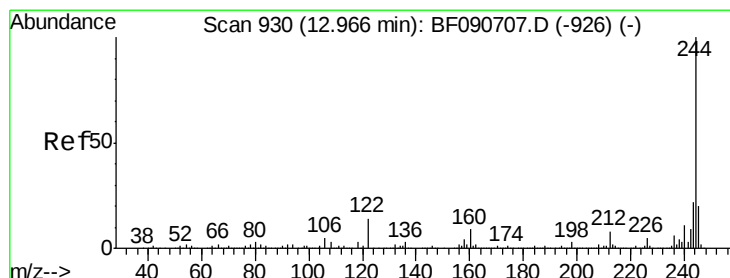
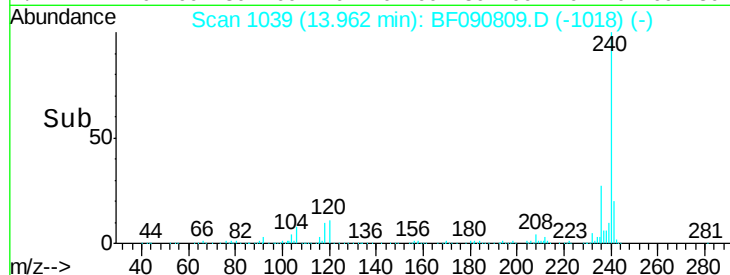
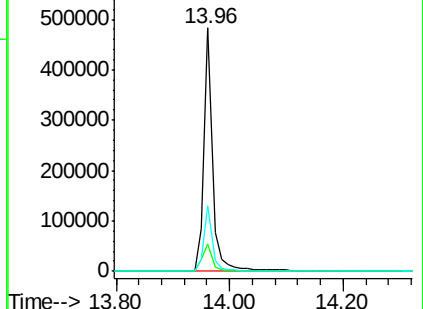
236 26.7 18.4 27.6



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



#78

Terphenyl-d14

Concen: 95.03 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.04 min

Lab File: BF090809.D

Acq: 25 Oct 2016 16:09

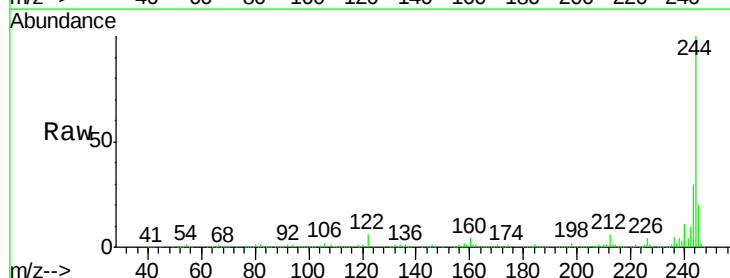
Tgt Ion:244 Resp: 2091231

Ion Ratio Lower Upper

244 100

212 5.9 4.3 6.5

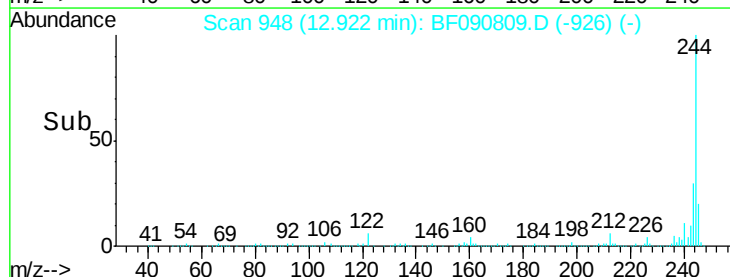
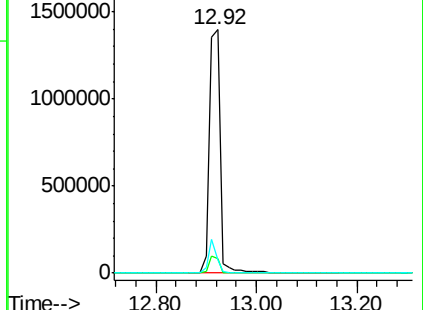
122 5.7 17.4 26.2#

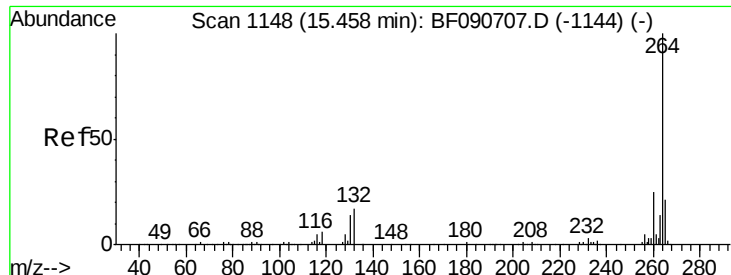


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

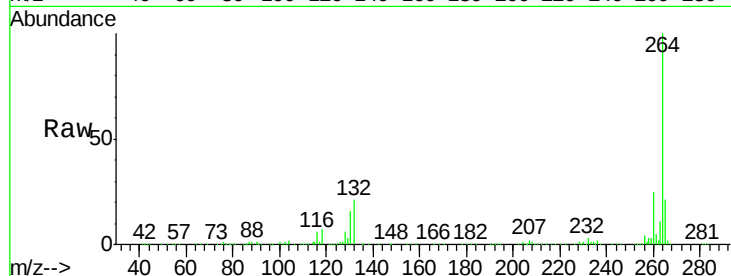




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BF090809.D
Acq: 25 Oct 2016 16:09

Instrument :
BNA_F
ClientSampleId :
PB94289BL

Tgt Ion: 264 Resp: 388358
Ion Ratio Lower Upper
264 100
260 24.5 16.7 25.1
265 21.3 17.2 25.8



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

