

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090762.D
 Acq On : 22 Oct 2016 15:10
 Operator : UM/SJ
 Sample : H5367-12
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-102016

Quant Time: Oct 24 00:50:55 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

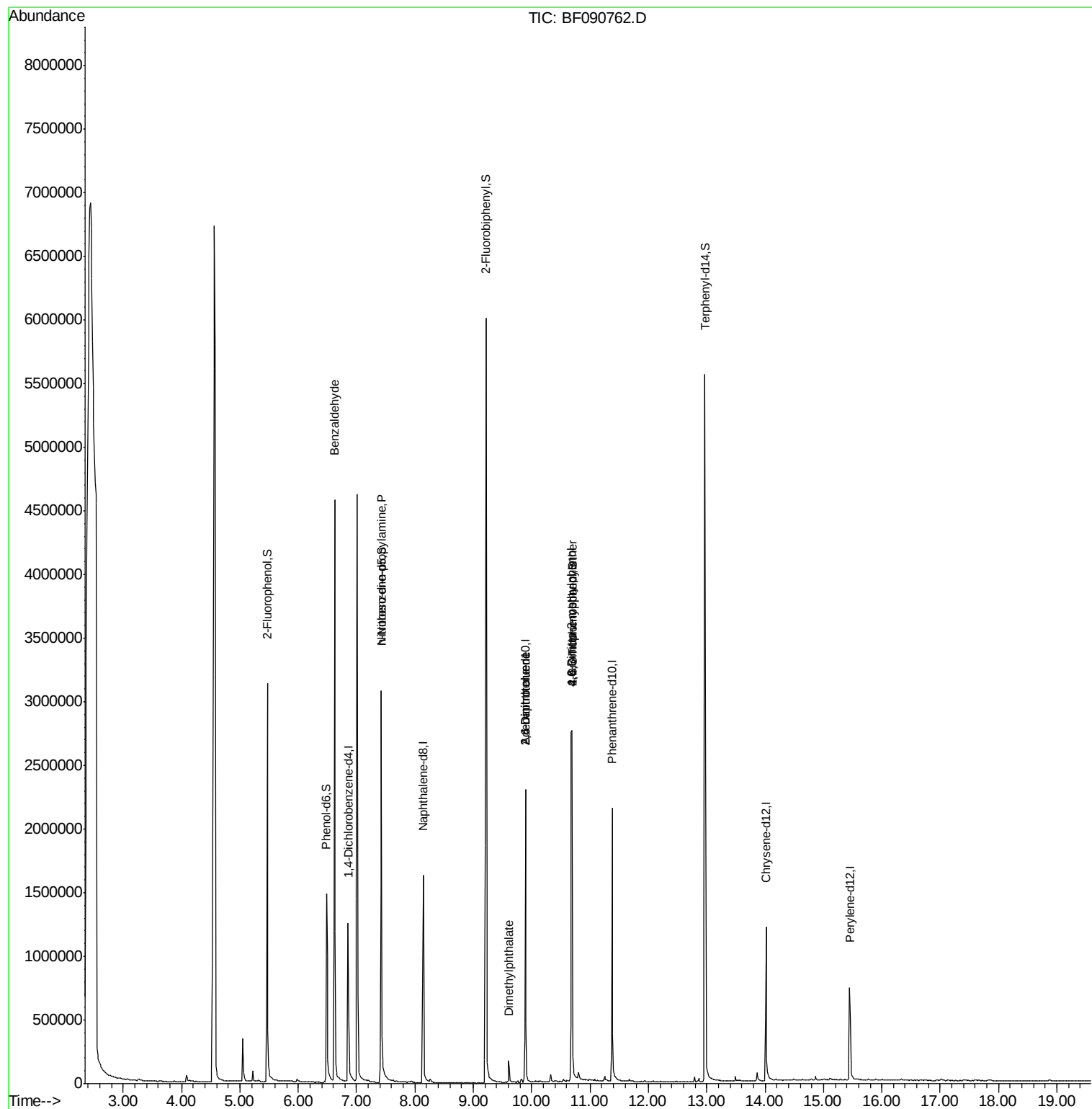
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	248302	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1019999	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	518906	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	844447	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	527901	20.00	ng	0.00
86) Perylene-d12	15.45	264	379883	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	980355	63.67	ng	0.01
7) Phenol-d6	6.49	99	835256	40.05	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1474752	79.30	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	674644	164.26	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2398273	71.75	ng	-0.01
78) Terphenyl-d14	12.97	244	2375716	103.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	31373	2.75	ng	# 62
19) n-Nitroso-di-n-propylamine	7.42	70	190834	12.29	ng	# 51
49) Dimethylphthalate	9.61	163	108937	3.34	ng	# 97
50) 2,6-Dinitrotoluene	9.89	165	66334	9.46	ng	# 38
56) 2,4-Dinitrotoluene	9.89	165	67368	7.86	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.68	198	1006	4.35	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	42272	5.16	ng	# 1

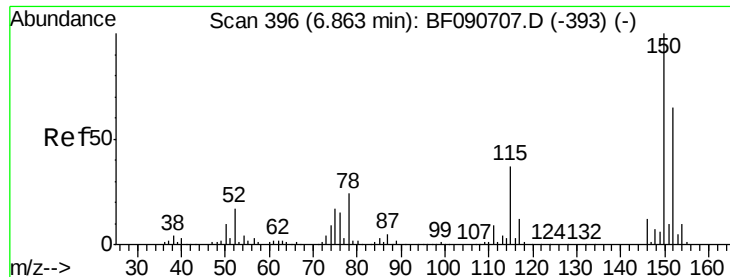
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

DUP-102016

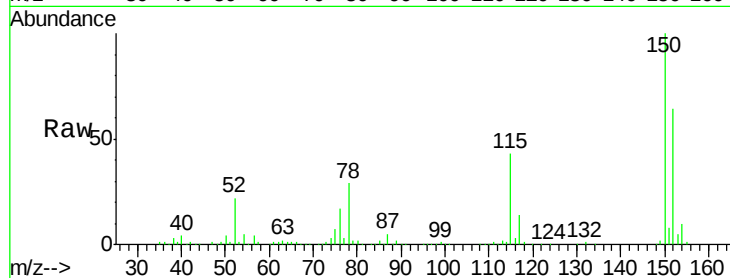
Tgt Ion:152 Resp: 248302

Ion Ratio Lower Upper

152 100

150 156.0 124.7 187.1

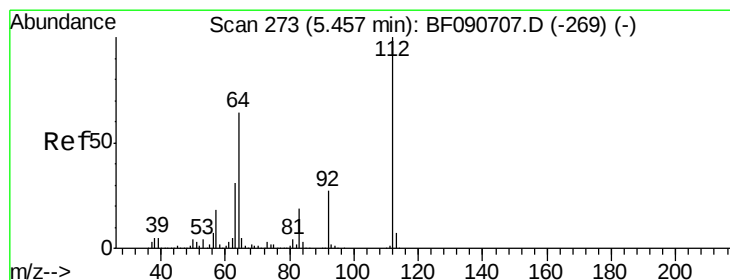
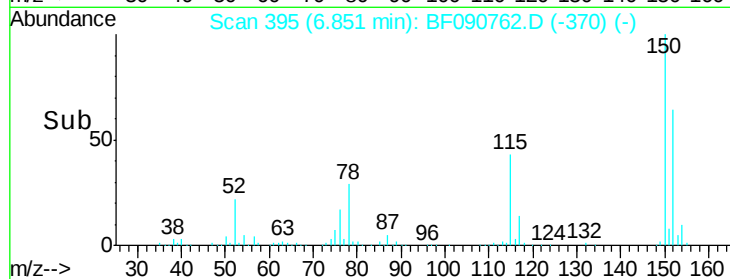
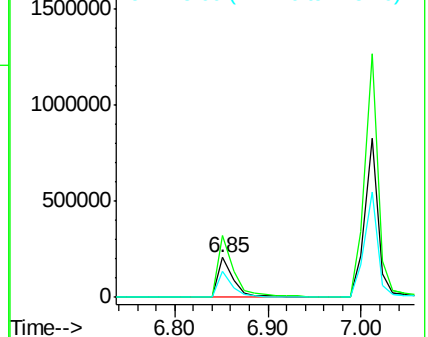
115 66.9 39.0 58.4#



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: 63.67 ng

RT: 5.47 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

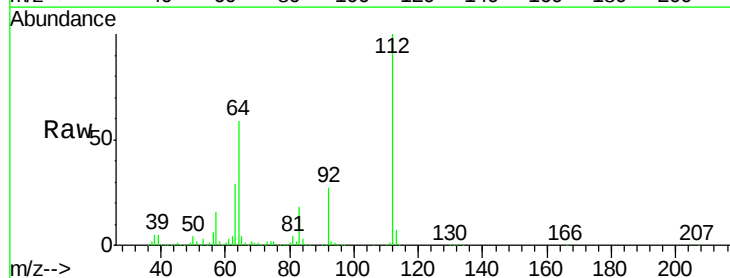
Tgt Ion:112 Resp: 980355

Ion Ratio Lower Upper

112 100

64 59.1 39.7 59.5

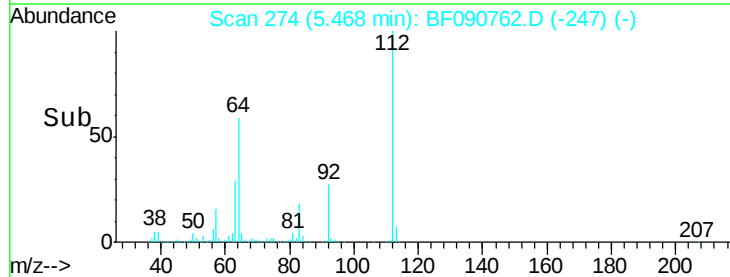
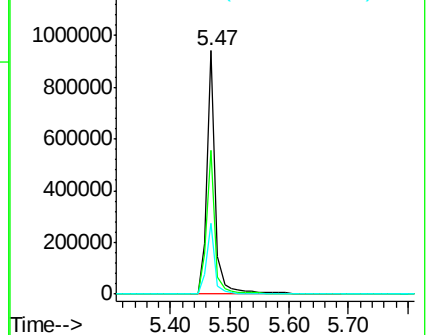
63 28.9 17.4 26.0#

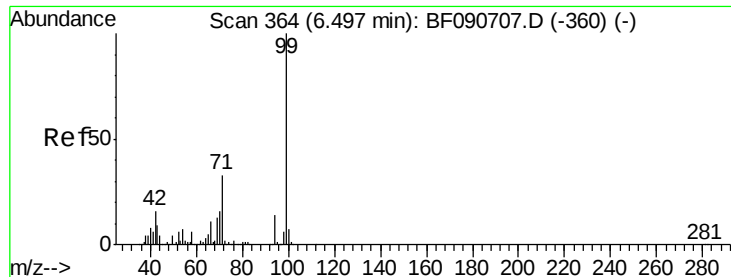


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.05 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

DUP-102016

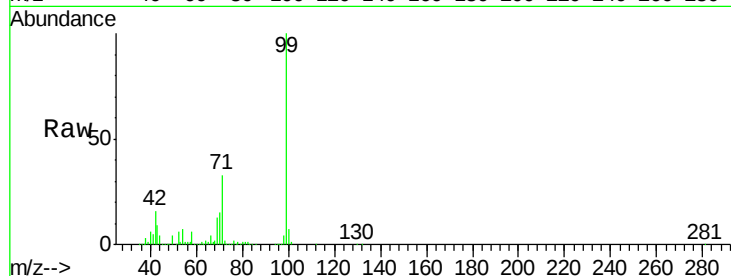
Tgt Ion: 99 Resp: 835256

Ion Ratio Lower Upper

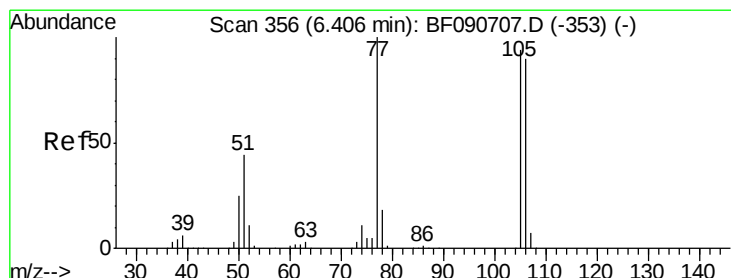
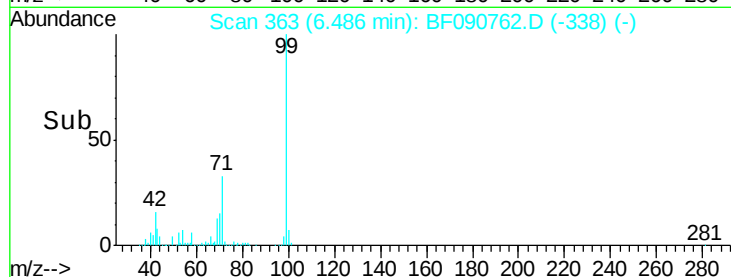
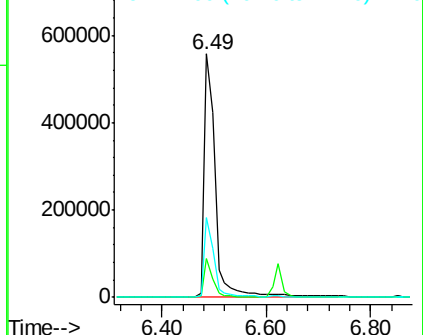
99 100

42 16.1 13.7 20.5

71 33.0 14.2 21.2#



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: 2.75 ng

RT: 6.62 min Scan# 375

Delta R.T. 0.22 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

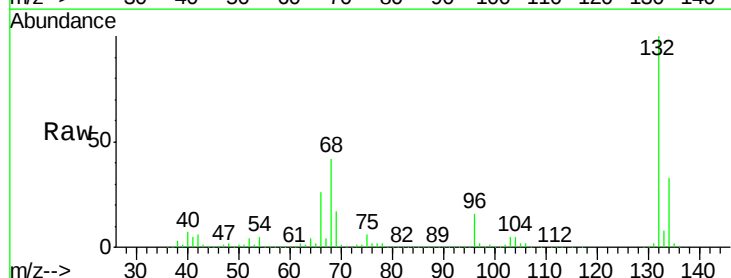
Tgt Ion: 77 Resp: 31373

Ion Ratio Lower Upper

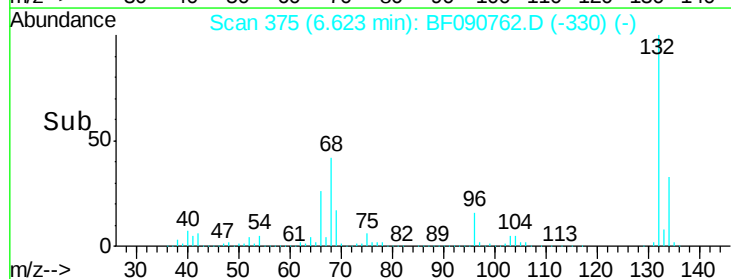
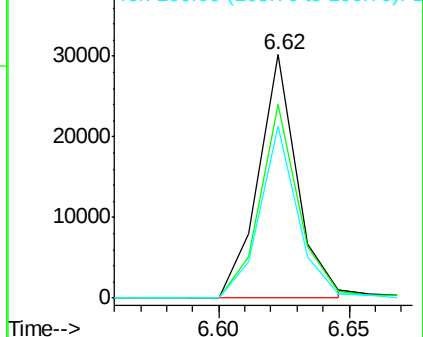
77 100

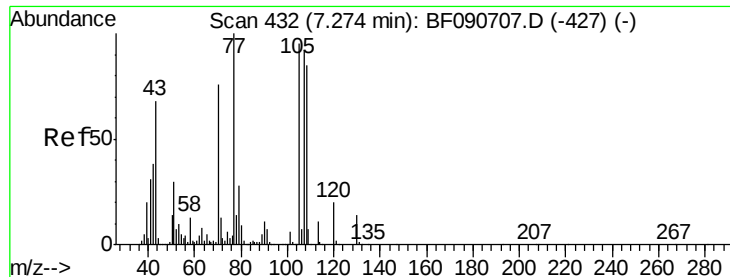
105 79.7 91.6 131.6#

106 70.6 102.6 142.6#



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

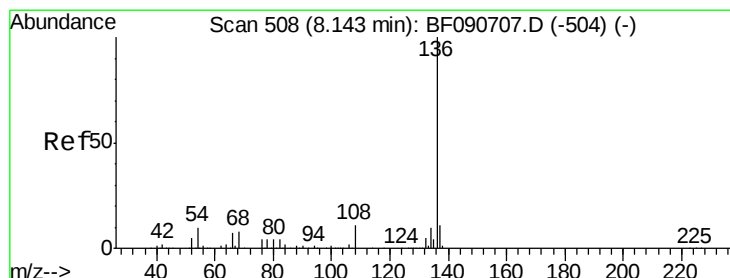
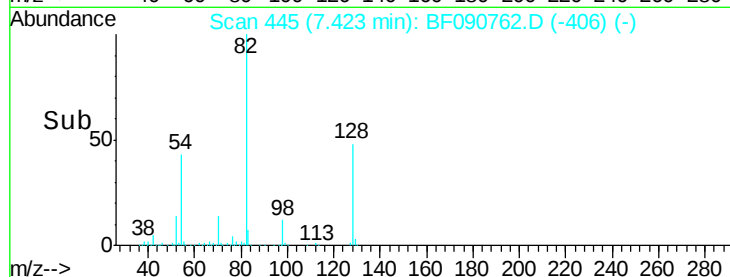
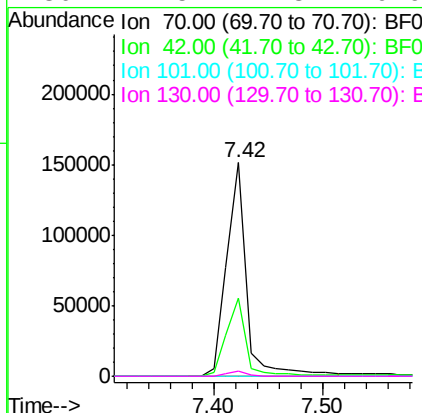
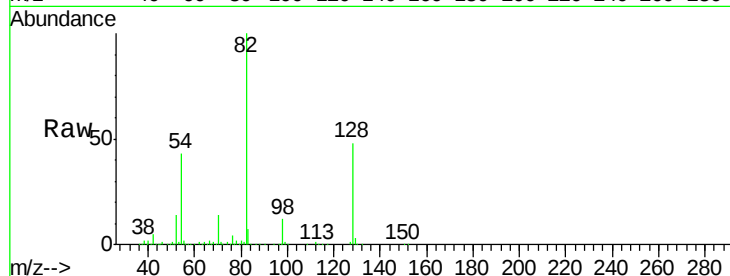




#19
n-Nitroso-di-n-propylamine
Concen: 12.29 ng
RT: 7.42 min Scan# 445
Delta R.T. 0.15 min
Lab File: BF090762.D
Acq: 22 Oct 2016 15:10

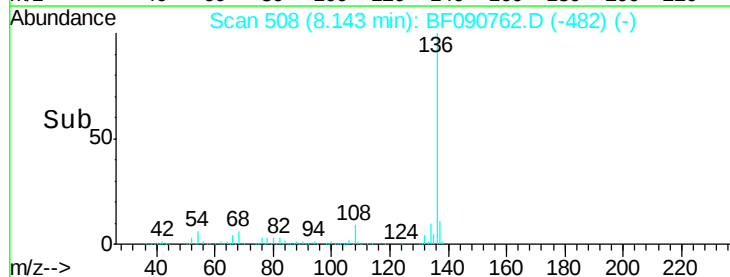
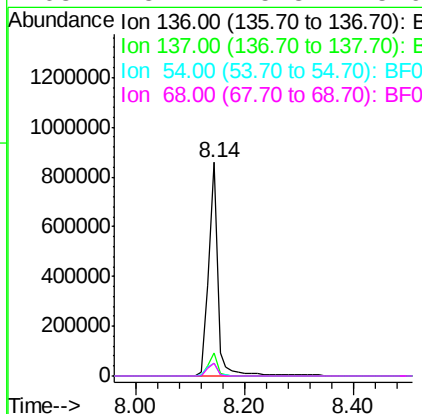
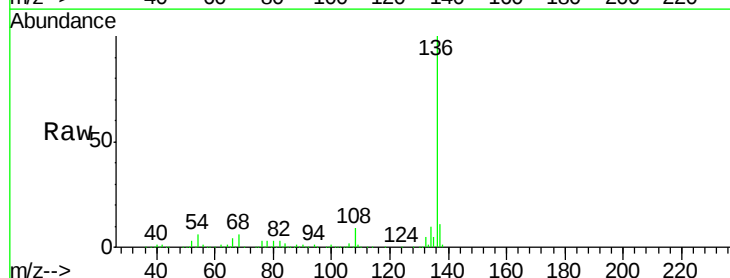
Instrument :
BNA_F
ClientSampleId :
DUP-102016

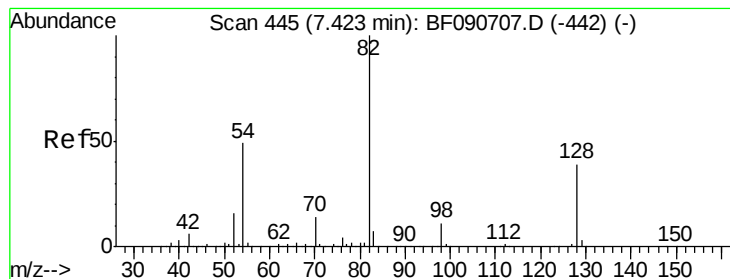
Tgt Ion: 70 Resp: 190834
Ion Ratio Lower Upper
70 100
42 36.6 63.8 95.6#
101 0.0 9.2 13.8#
130 2.5 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090762.D
Acq: 22 Oct 2016 15:10

Tgt Ion: 136 Resp: 1019999
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.0 8.2 12.2#
68 5.7 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 79.30 ng

RT: 7.42 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

DUP-102016

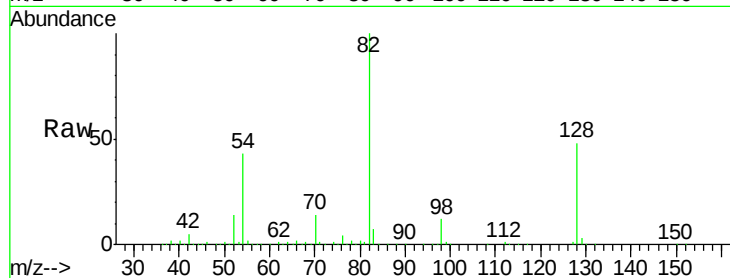
Tgt Ion: 82 Resp: 1474752

Ion Ratio Lower Upper

82 100

128 48.1 51.0 76.6#

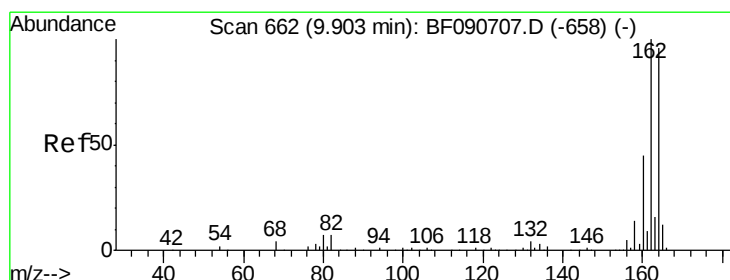
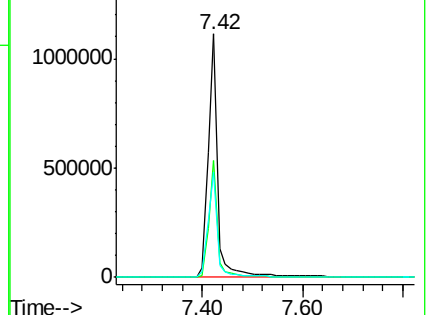
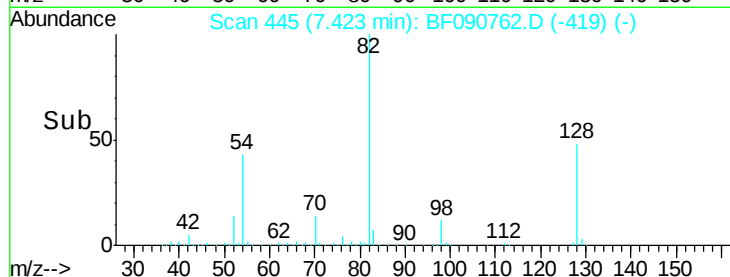
54 43.5 47.5 71.3#



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: 9.89 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

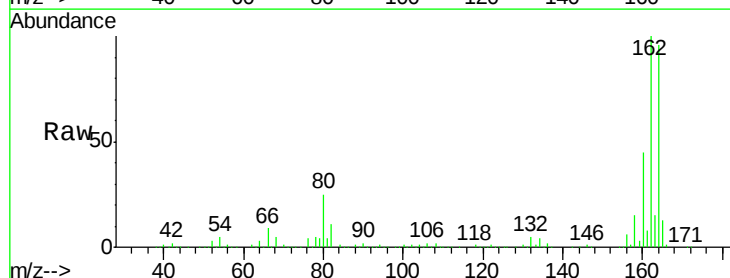
Tgt Ion: 164 Resp: 518906

Ion Ratio Lower Upper

164 100

162 104.7 75.2 112.8

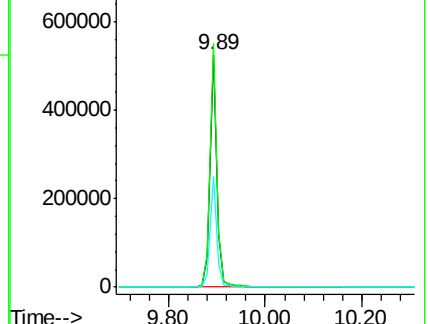
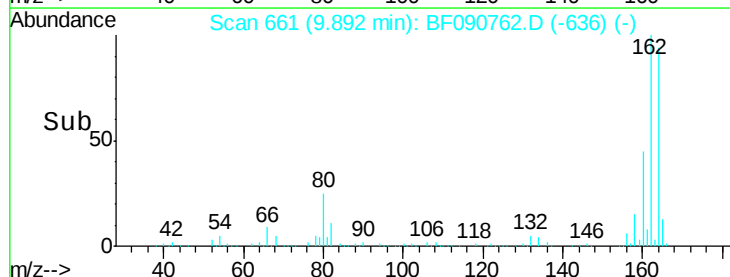
160 47.4 31.5 47.3#

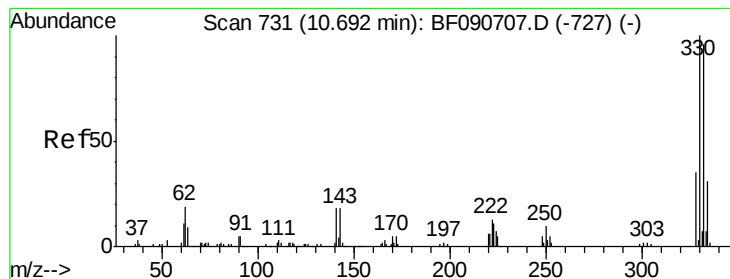


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

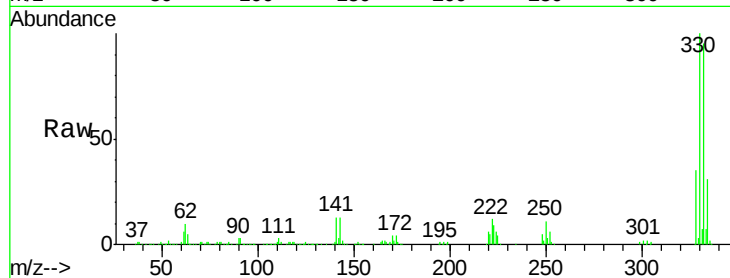




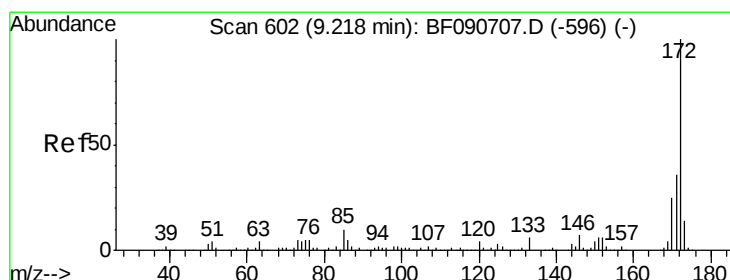
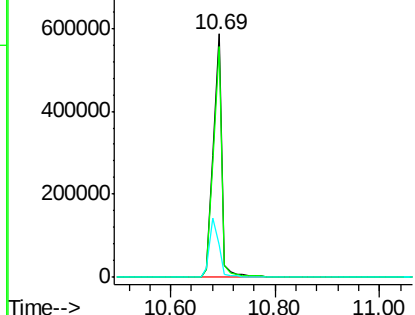
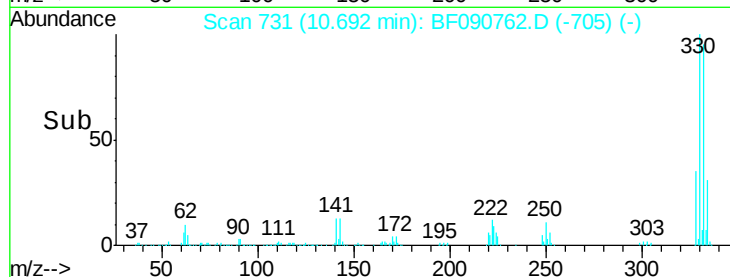
#41
 2,4,6-Tribromophenol
 Concen: 164.26 ng
 RT: 10.69 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF090762.D
 Acq: 22 Oct 2016 15:10

Instrument :
 BNA_F
 ClientSampleId :
 DUP-102016

Tgt Ion:330 Resp: 674644
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 114.8
 141 27.9 29.7 44.5#

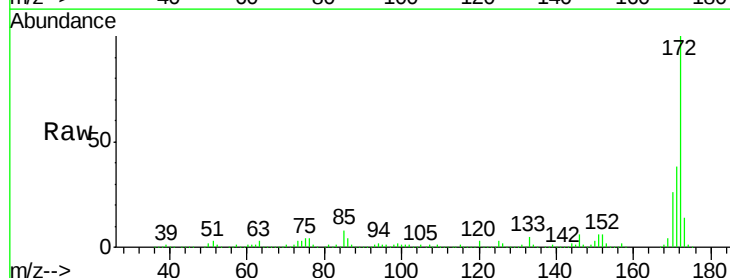


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

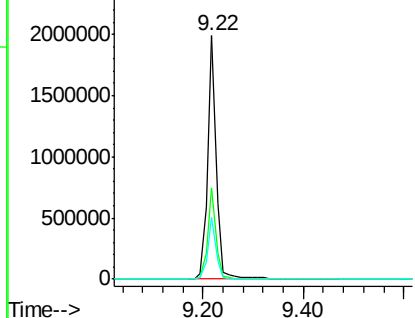
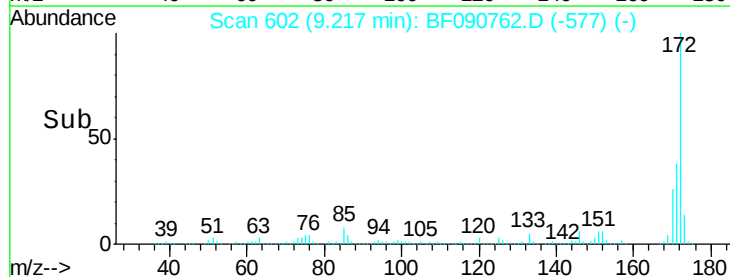


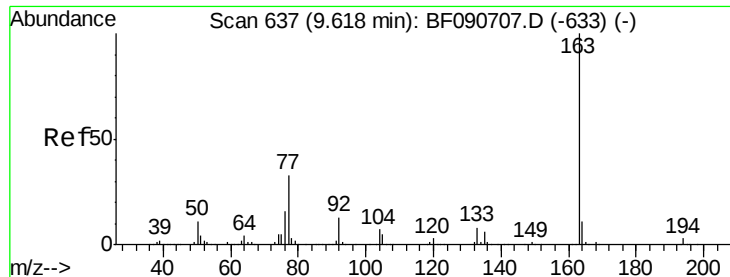
#44
 2-Fluorobiphenyl
 Concen: 71.75 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090762.D
 Acq: 22 Oct 2016 15:10

Tgt Ion:172 Resp: 2398273
 Ion Ratio Lower Upper
 172 100
 171 37.7 26.1 39.1
 170 25.6 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: 3.34 ng

RT: 9.61 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

DUP-102016

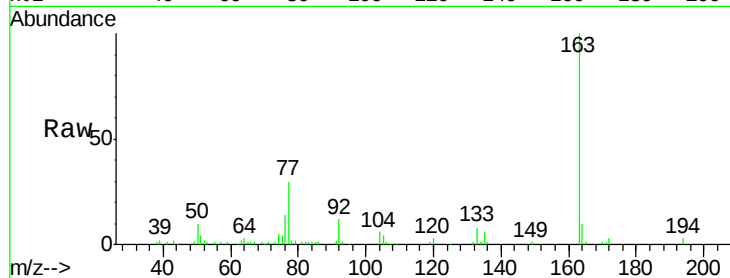
Tgt Ion:163 Resp: 108937

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

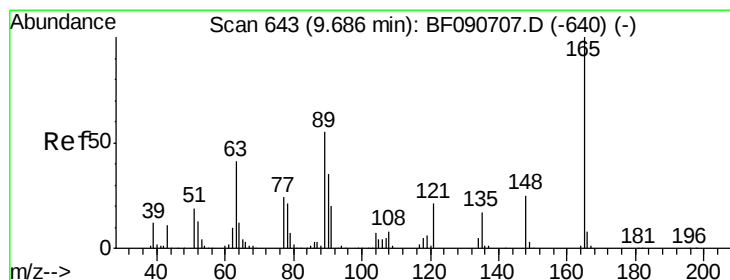
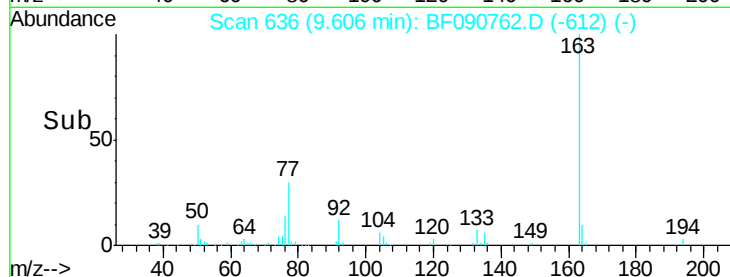
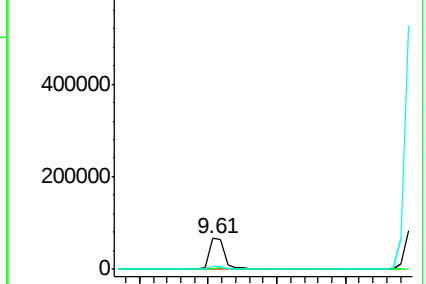
164 10.4 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 9.46 ng

RT: 9.89 min Scan# 661

Delta R.T. 0.21 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

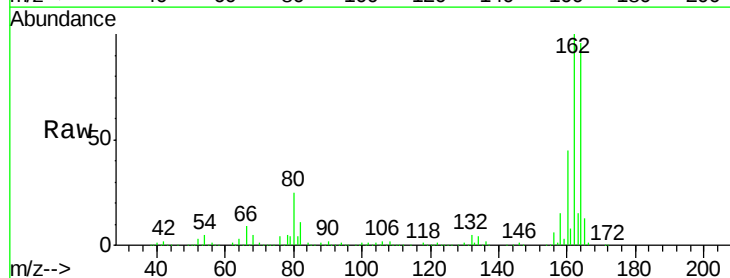
Tgt Ion:165 Resp: 66334

Ion Ratio Lower Upper

165 100

63 0.9 32.3 48.5#

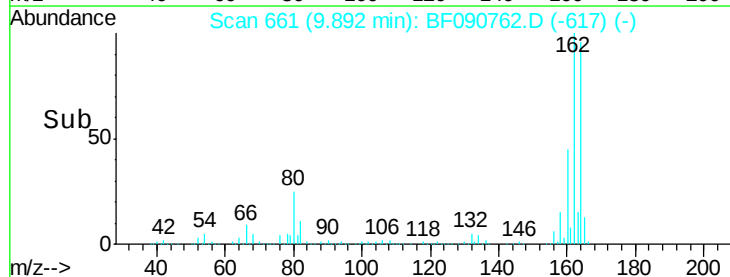
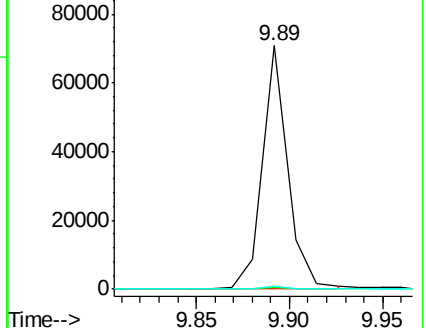
89 1.1 28.6 43.0#

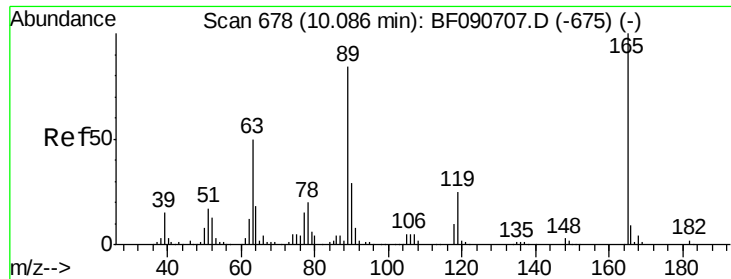


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

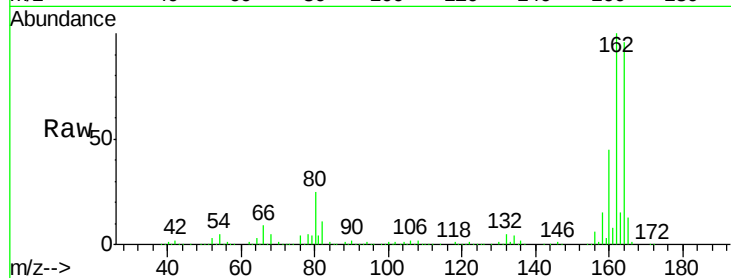




#56
 2,4-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.89 min Scan# 661
 Delta R.T. -0.19 min
 Lab File: BF090762.D
 Acq: 22 Oct 2016 15:10

Instrument :
 BNA_F
 ClientSampleId :
 DUP-102016

Tgt Ion:	165	Resp:	67368
Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.6#
89	1.1	44.5	66.7#
182	0.0	3.0	4.4#

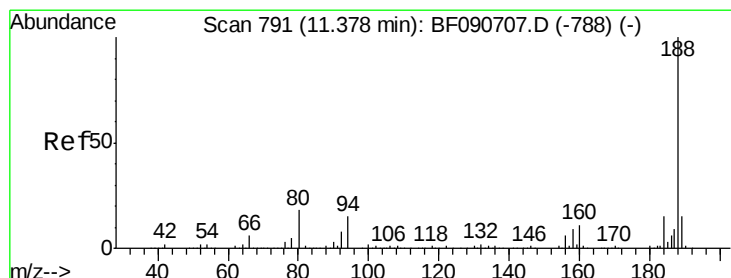
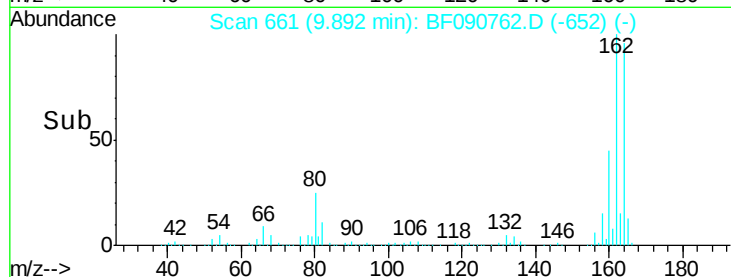
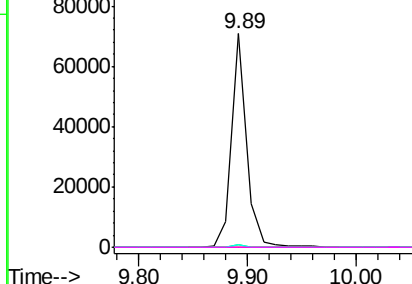


Abundance Ion 165.00 (164.70 to 165.70): E

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



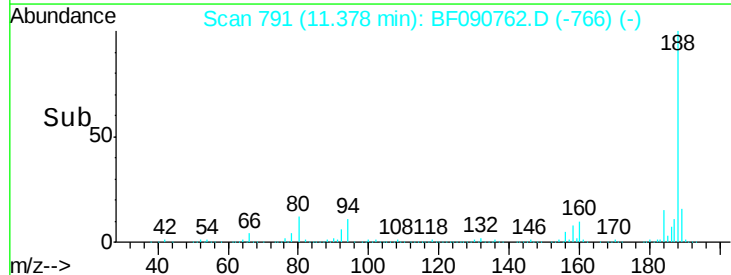
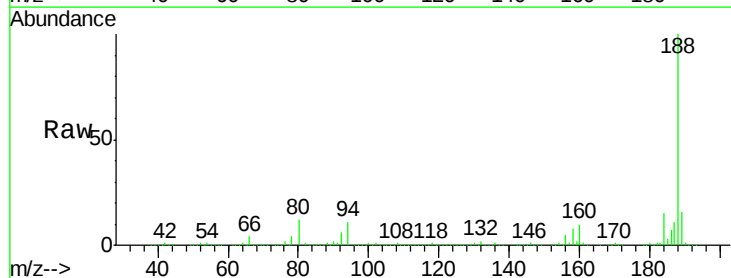
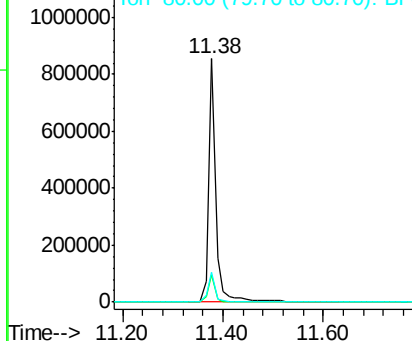
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF090762.D
 Acq: 22 Oct 2016 15:10

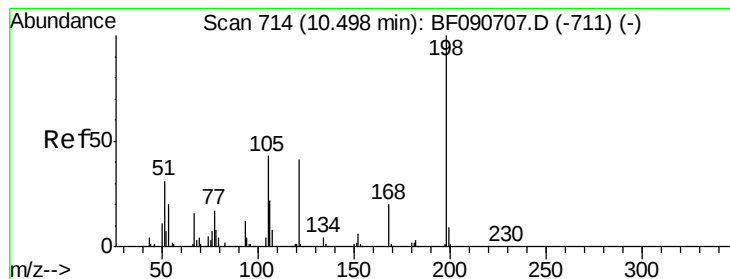
Tgt Ion:	188	Resp:	844447
Ion	Ratio	Lower	Upper
188	100		
94	11.3	11.1	16.7
80	12.2	11.0	16.4

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: 10.68 min Scan# 730

Delta R.T. 0.18 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

DUP-102016

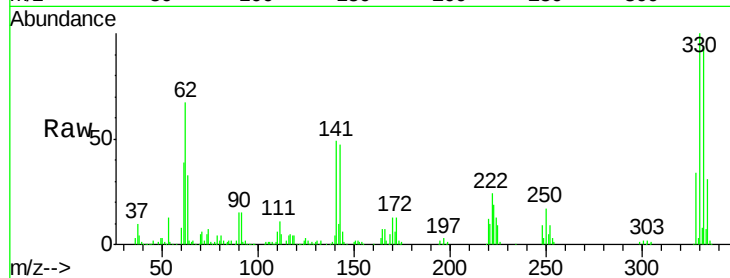
Tgt Ion:198 Resp: 1006

Ion Ratio Lower Upper

198 100

51 206.3 39.6 79.6#

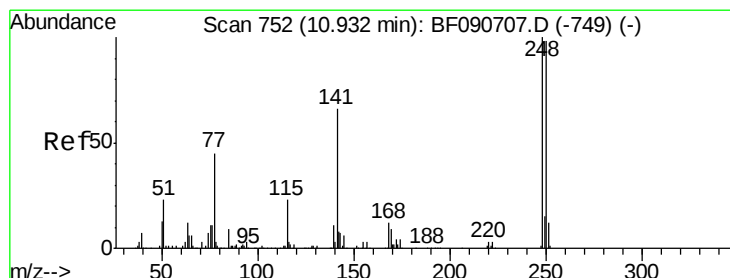
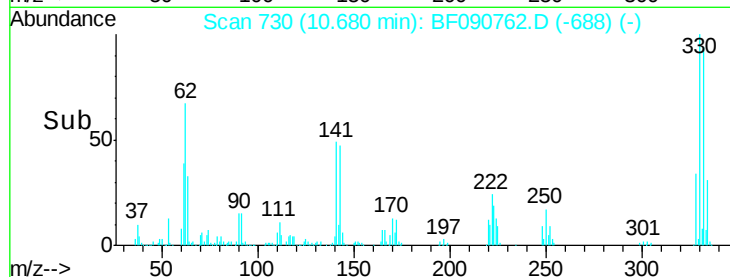
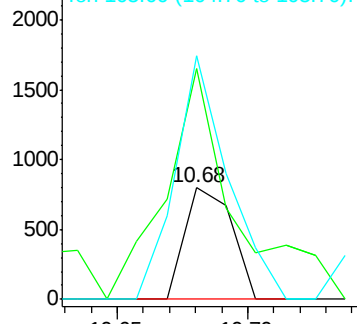
105 218.0 28.5 68.5#



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: 5.16 ng

RT: 10.69 min Scan# 731

Delta R.T. -0.24 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

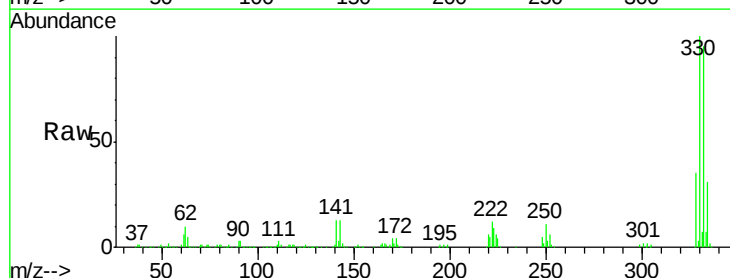
Tgt Ion:248 Resp: 42272

Ion Ratio Lower Upper

248 100

250 201.3 78.5 117.7#

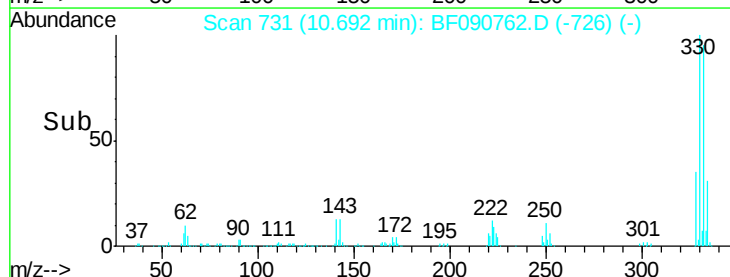
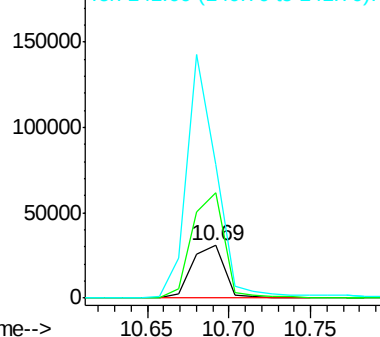
141 254.3 59.0 88.6#

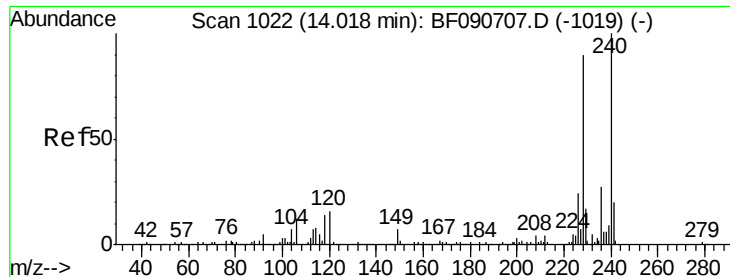


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

DUP-102016

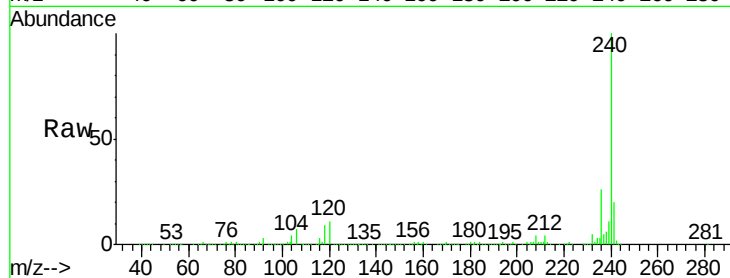
Tgt Ion:240 Resp: 527901

Ion Ratio Lower Upper

240 100

120 10.6 16.2 24.2#

236 26.1 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

600000

500000

400000

300000

200000

100000

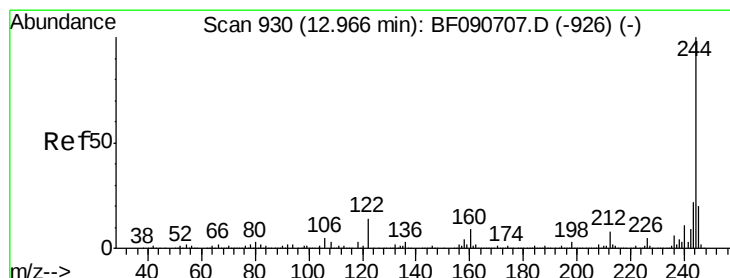
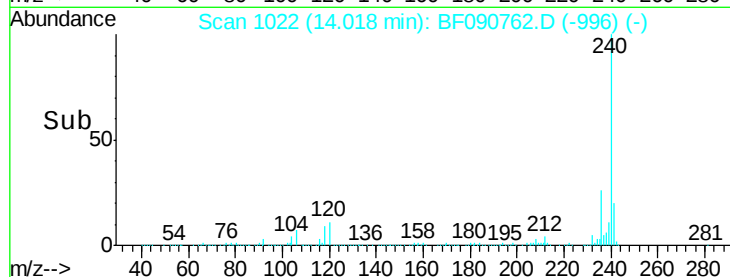
0

14.00

14.02

14.20

Time-->



#78

Terphenyl-d14

Concen: 103.14 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090762.D

Acq: 22 Oct 2016 15:10

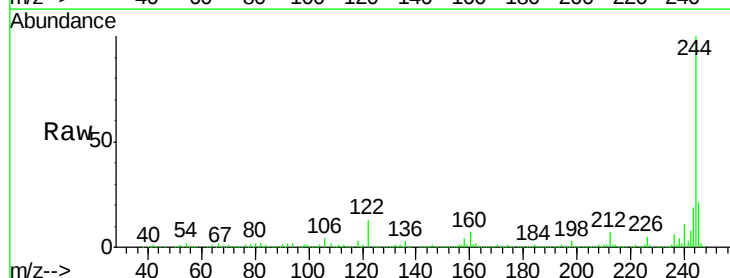
Tgt Ion:244 Resp: 2375716

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

122 13.2 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

2500000

2000000

1500000

1000000

500000

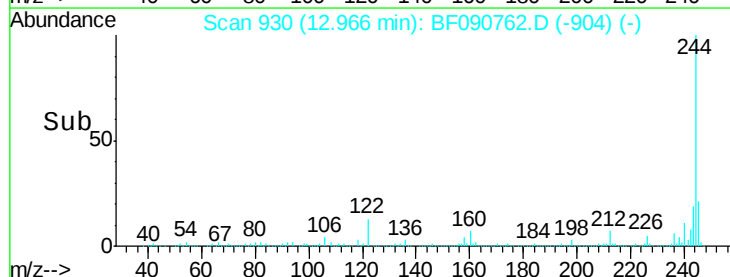
0

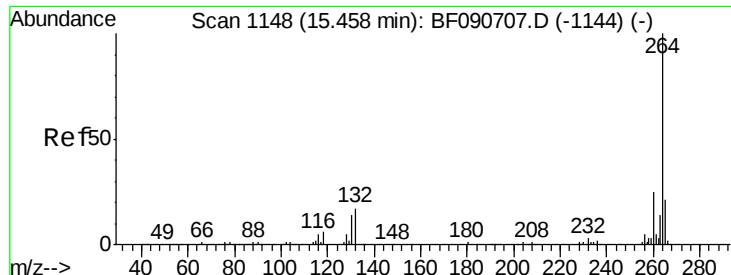
12.80

12.97

13.20

Time-->

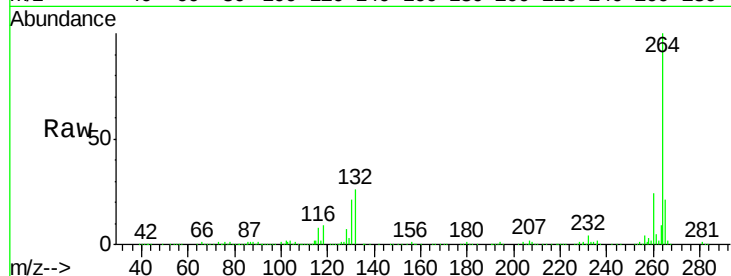




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090762.D
Acq: 22 Oct 2016 15:10

Instrument :
BNA_F
ClientSampleId :
DUP-102016

Tgt Ion: 264 Resp: 379883
Ion Ratio Lower Upper
264 100
260 24.1 16.7 25.1
265 21.2 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

