

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081915\
 Data File : BF081109.D
 Acq On : 20 Aug 2015 5:42
 Operator : UM/IZ
 Sample : G3304-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 20 06:38:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

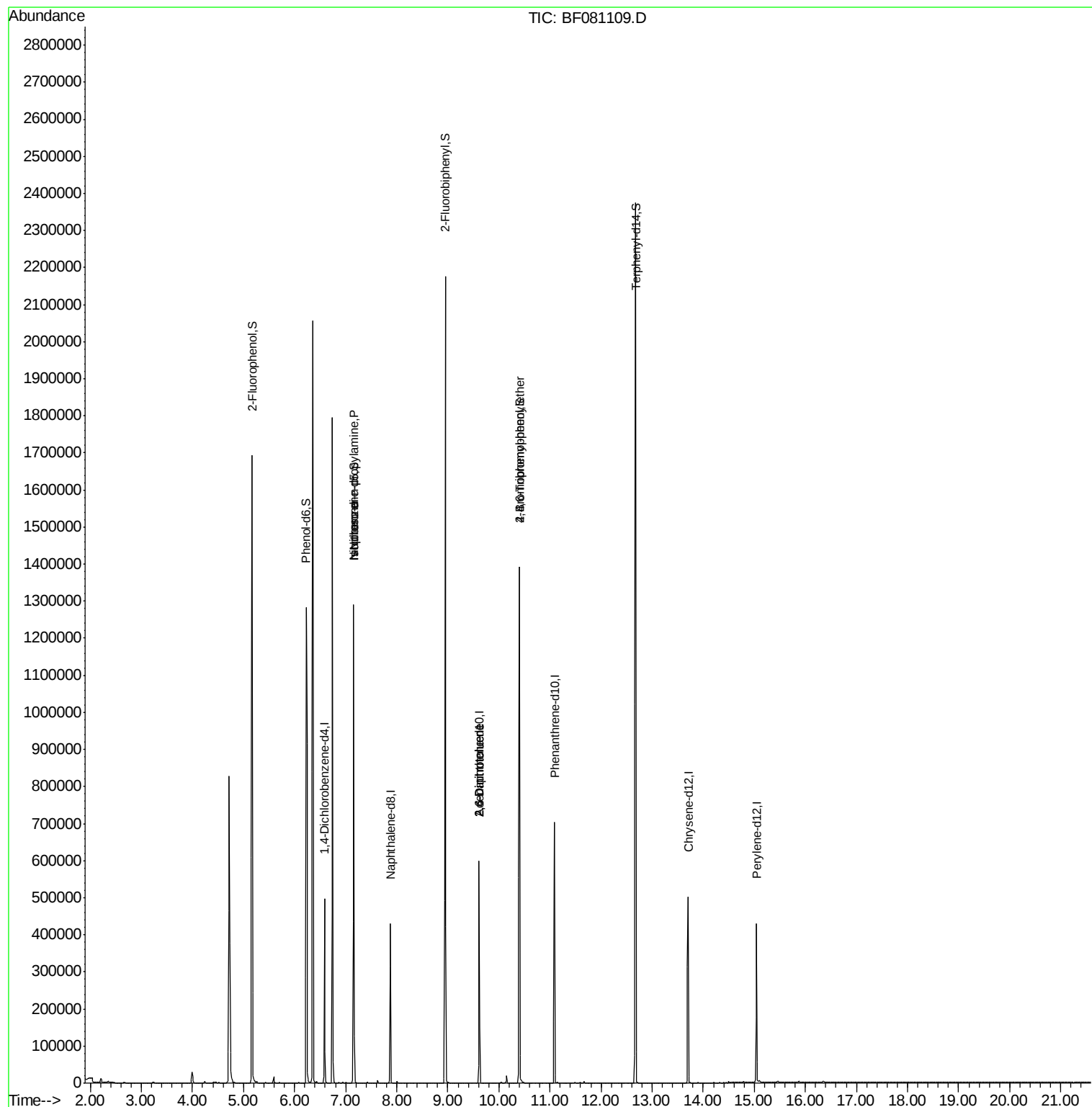
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	62684	20.00	ng	-0.04
21) Naphthalene-d8	7.88	136	249636	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	112975	20.00	ng	-0.04
63) Phenanthrene-d10	11.09	188	247416	20.00	ng	-0.04
75) Chrysene-d12	13.71	240	216567	20.00	ng	-0.04
86) Perylene-d12	15.04	264	170219	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	445097	106.80	ng	-0.02
7) Phenol-d6	6.23	99	614295	112.97	ng	-0.03
23) Nitrobenzene-d5	7.16	82	428439	78.40	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	126735	129.41	ng	-0.04
44) 2-Fluorobiphenyl	8.95	172	690218	80.05	ng	-0.04
78) Terphenyl-d14	12.68	244	761279	75.36	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	58032	15.41	ng	# 69
25) Isophorone	7.16	82	327224	32.11	ng	# 71
50) 2,6-Dinitrotoluene	9.61	165	14117	7.07	ng	# 20
56) 2,4-Dinitrotoluene	9.61	165	14117	5.33	ng	# 16
66) 4-Bromophenyl-phenylether	10.40	248	10083	4.15	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: 6.58 min Scan# 411

Delta R.T. -0.04 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

Instrument :

BNA_F

ClientSampleId :

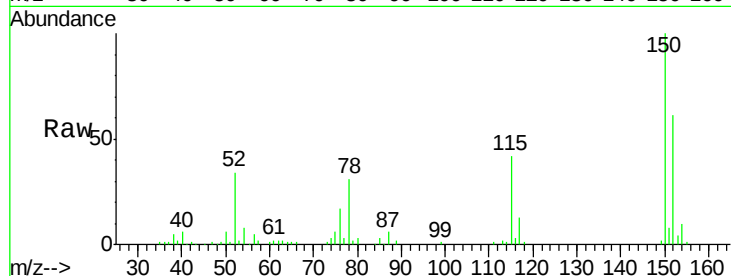
Tot Ion:152 Resp: 62684

Ion Ratio Lower Upper

152 100

150 164.2 123.8 185.6

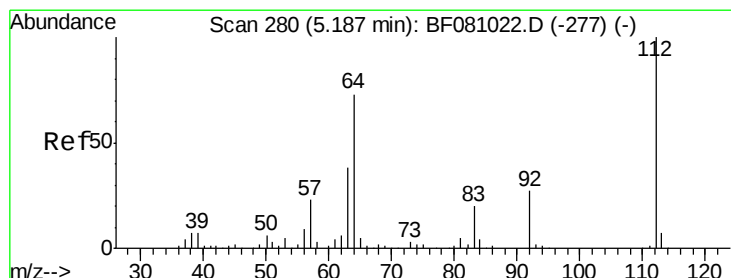
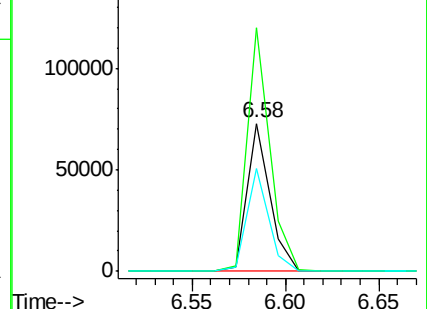
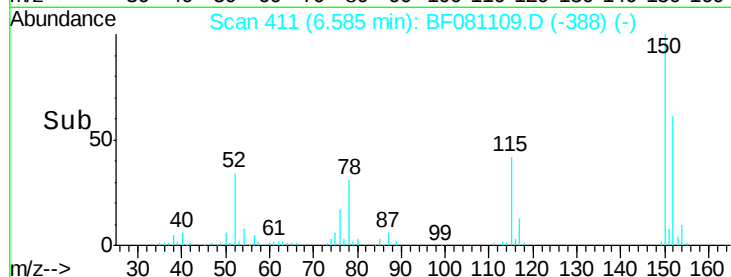
115 68.9 52.1 78.1



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: 106.80 ng

RT: 5.17 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

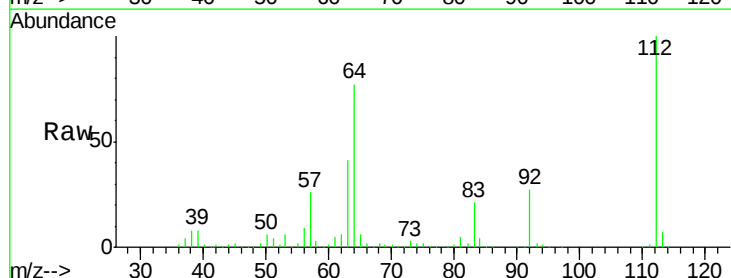
Tgt Ion:112 Resp: 445097

Ion Ratio Lower Upper

112 100

64 77.4 66.9 100.3

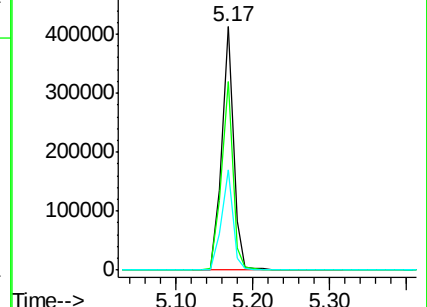
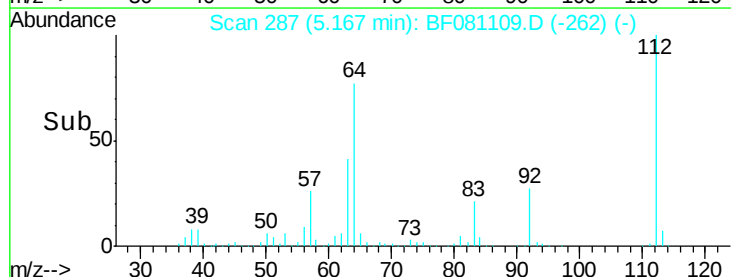
63 41.1 38.1 57.1



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: 112.97 ng

RT: 6.23 min Scan# 380

Delta R.T. -0.03 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

Instrument :

BNA_F

ClientSampleId :

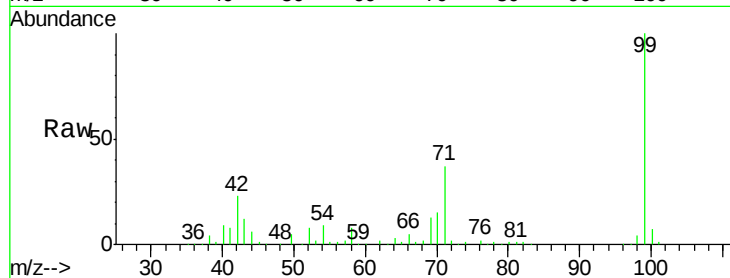
Tot Ion: 99 Resp: 614295

Ion Ratio Lower Upper

99 100

42 23.1 19.6 29.4

71 36.8 31.2 46.8



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

500000

400000

300000

200000

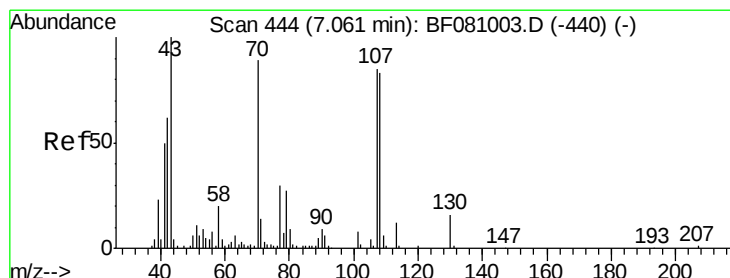
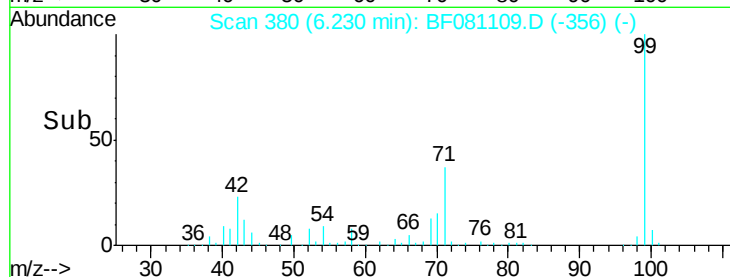
100000

0

6.23

6.30

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.41 ng

RT: 7.16 min Scan# 461

Delta R.T. 0.11 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

Tgt Ion: 70 Resp: 58032

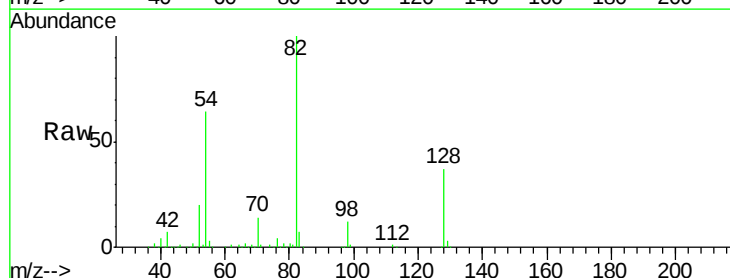
Ion Ratio Lower Upper

70 100

42 53.2 65.0 97.4#

101 0.0 7.4 11.2#

130 1.6 13.0 19.4#



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): BF0

Ion 130.00 (129.70 to 130.70): BF0

80000

60000

40000

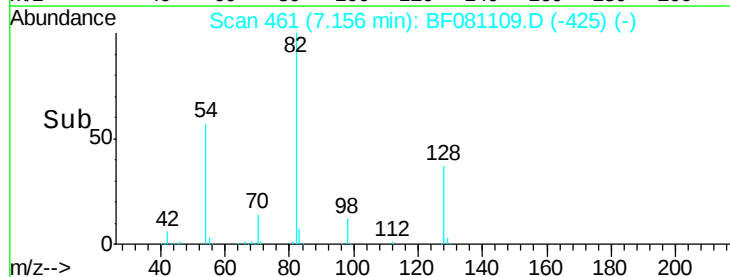
20000

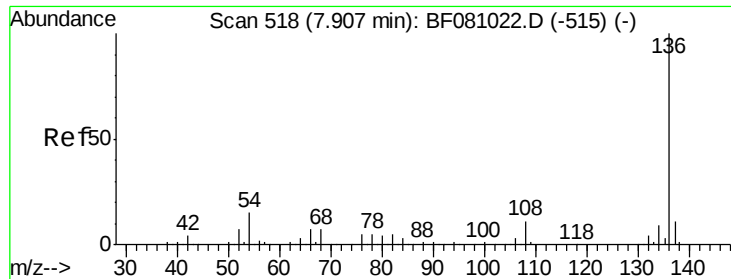
0

7.16

7.20

Time-->

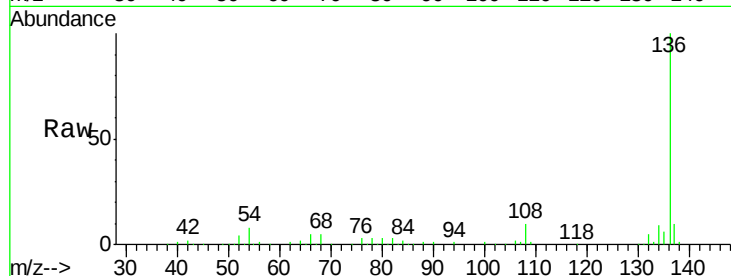




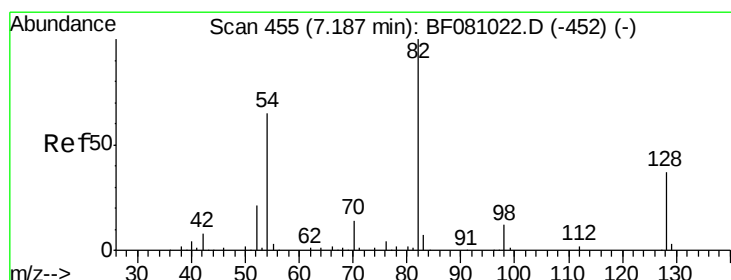
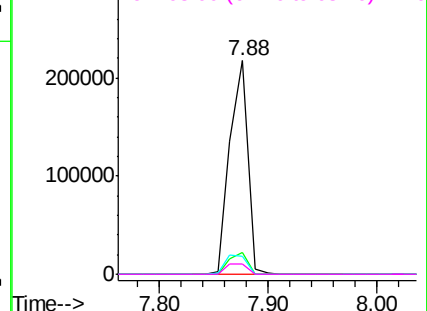
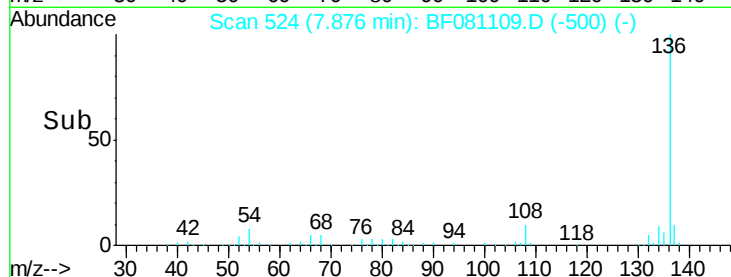
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.03 min
Lab File: BF081109.D
Acq: 20 Aug 2015 5:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	249636
Ion Ratio	Lower	Upper
136 100		
137 10.3	8.2	12.2
54 8.3	7.7	11.5
68 4.7	3.4	5.2

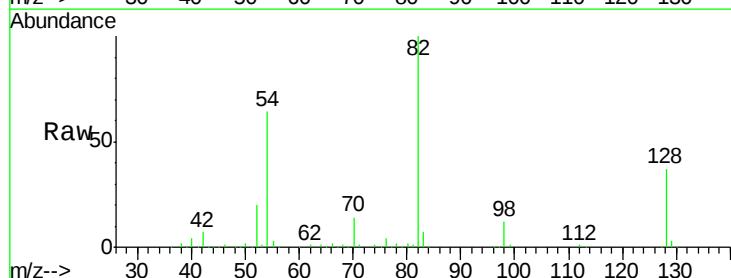


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

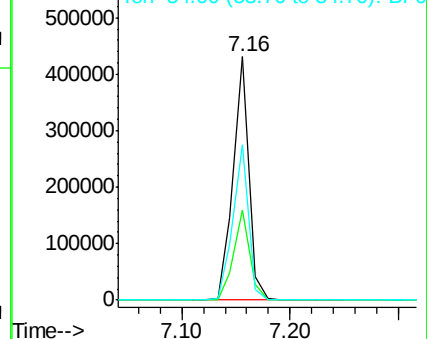
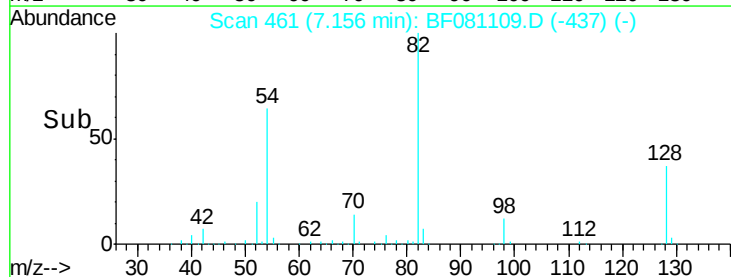


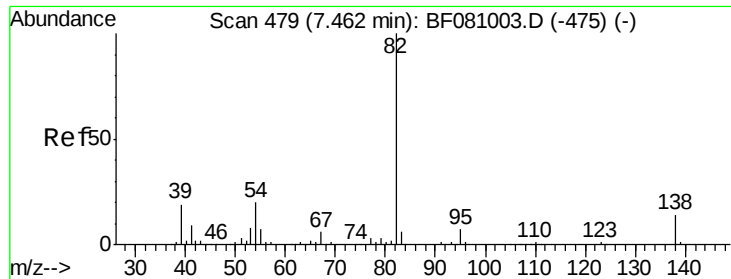
#23
Nitrobenzene-d5
Concen: 78.40 ng
RT: 7.16 min Scan# 461
Delta R.T. -0.03 min
Lab File: BF081109.D
Acq: 20 Aug 2015 5:42

Tgt Ion: 82	Resp:	428439
Ion Ratio	Lower	Upper
82 100		
128 36.9	28.6	42.8
54 63.7	55.1	82.7



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





#25

Isophorone

Concen: 32.11 ng

RT: 7.16 min Scan# 461

Delta R.T. -0.29 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

Instrument :

BNA_F

ClientSampleId :

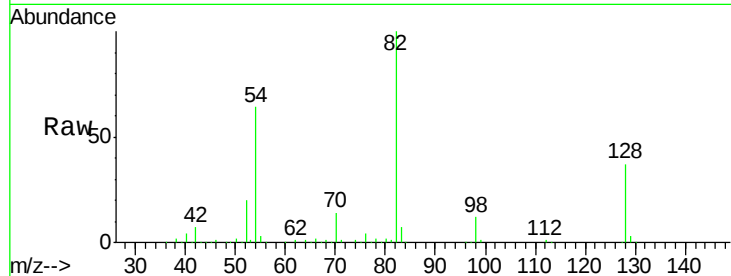
Tot Ion: 82 Resp: 327224

Ion Ratio Lower Upper

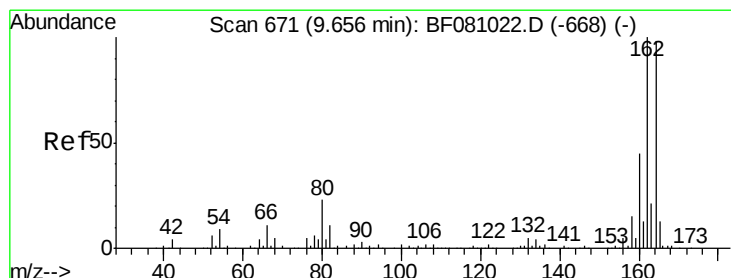
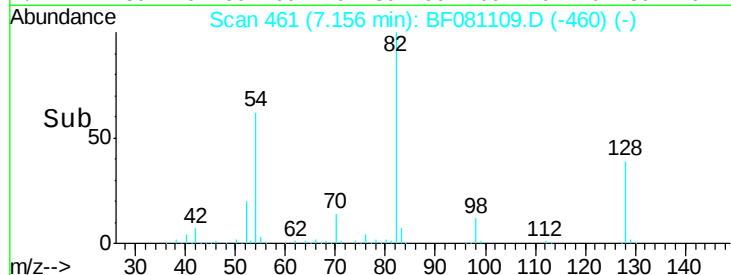
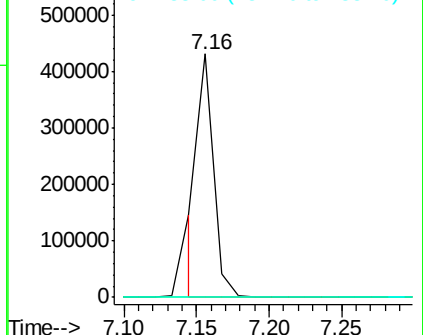
82 100

95 0.0 6.2 9.2#

138 0.0 10.5 15.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 676

Delta R.T. -0.04 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

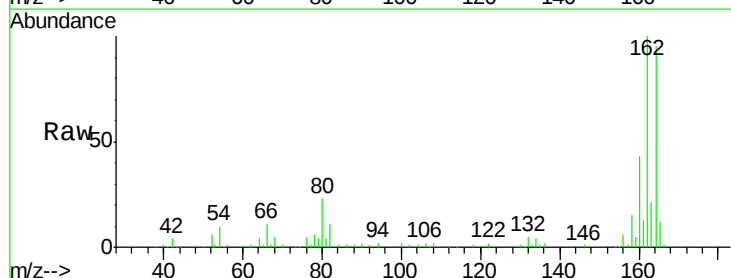
Tgt Ion: 164 Resp: 112975

Ion Ratio Lower Upper

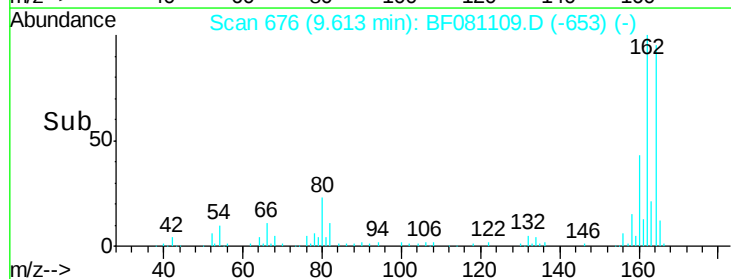
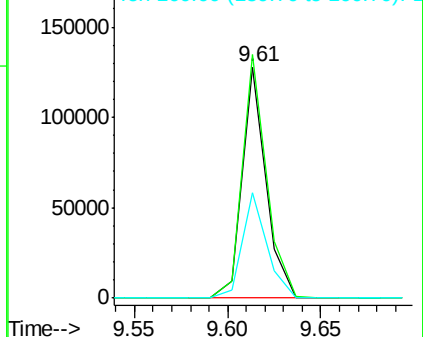
164 100

162 105.5 83.8 125.8

160 45.8 39.8 59.8



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

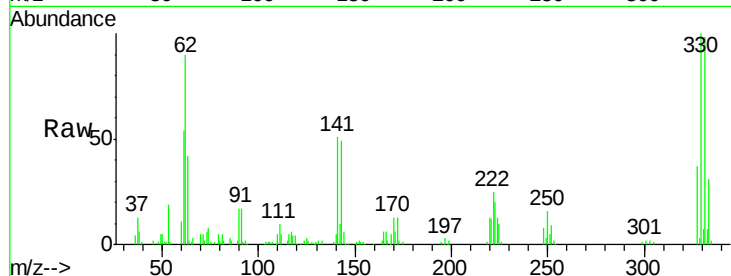




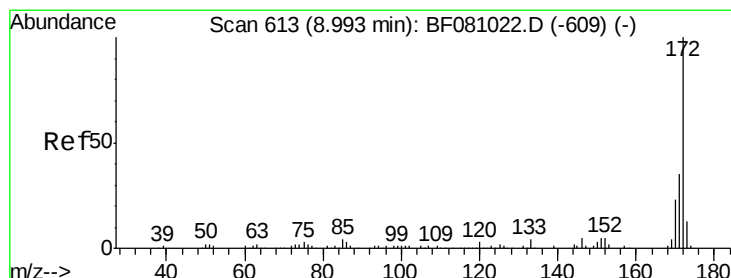
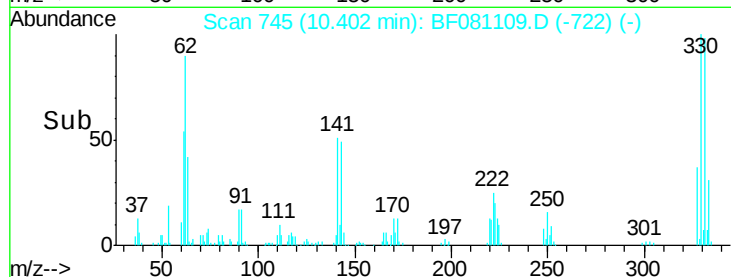
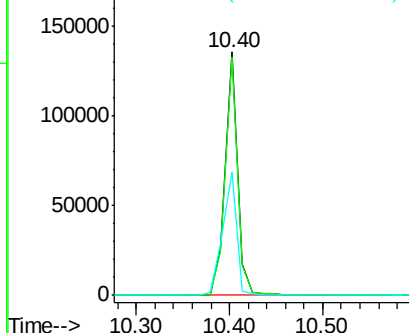
#41
 2,4,6-Tribromophenol
 Concen: 129.41 ng
 RT: 10.40 min Scan# 745
 Delta R.T. -0.04 min
 Lab File: BF081109.D
 Acq: 20 Aug 2015 5:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	55.4	44.9	67.3

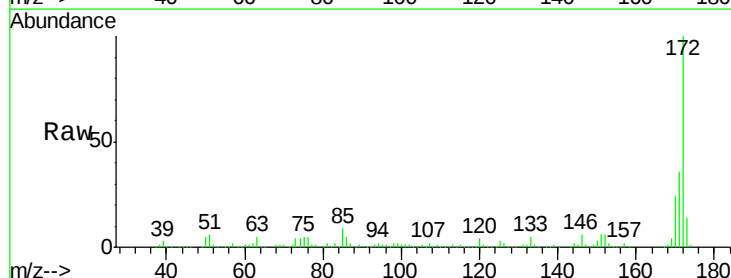


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

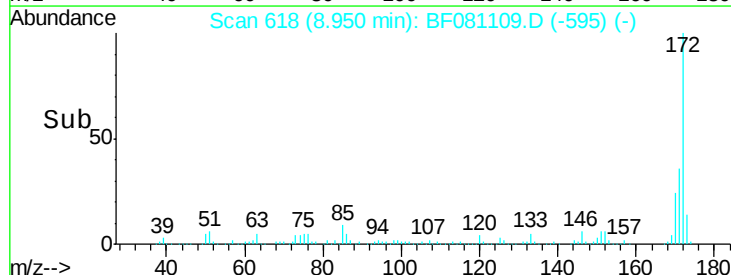
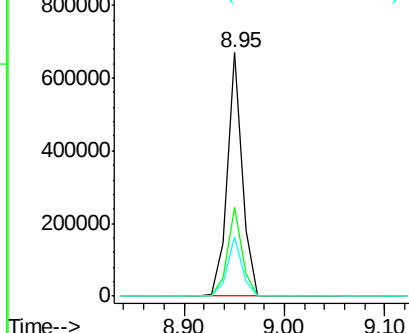


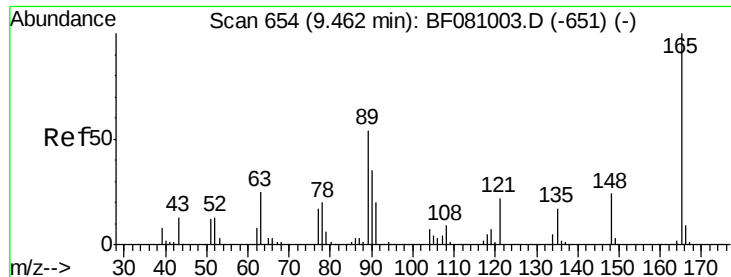
#44
 2-Fluorobiphenyl
 Concen: 80.05 ng
 RT: 8.95 min Scan# 618
 Delta R.T. -0.04 min
 Lab File: BF081109.D
 Acq: 20 Aug 2015 5:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.4	19.4	29.2



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

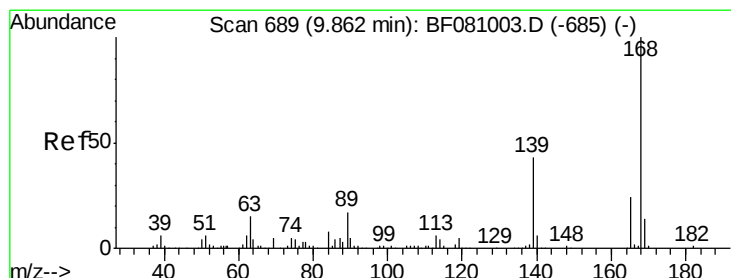
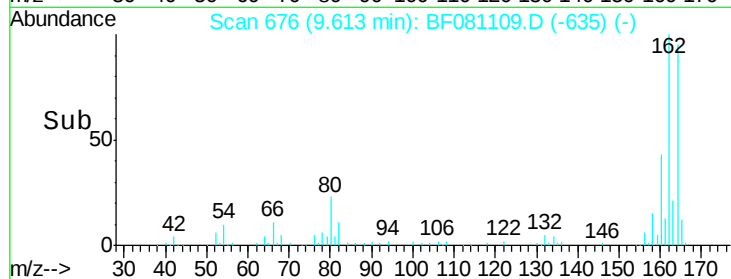
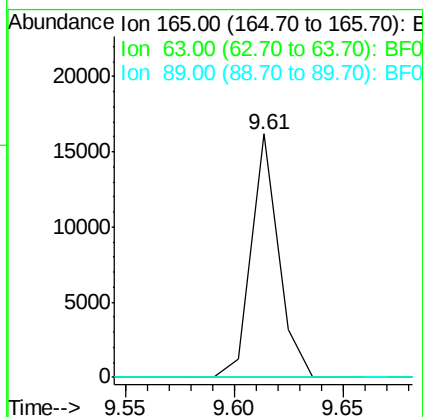
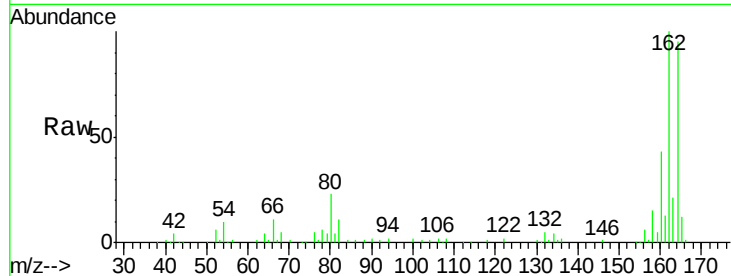




#50
 2,6-Dinitrotoluene
 Concen: 7.07 ng
 RT: 9.61 min Scan# 676
 Delta R.T. 0.16 min
 Lab File: BF081109.D
 Acq: 20 Aug 2015 5:42

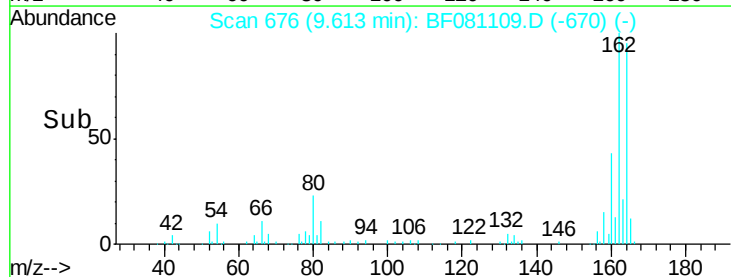
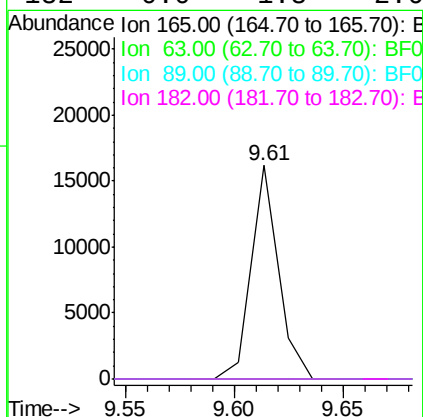
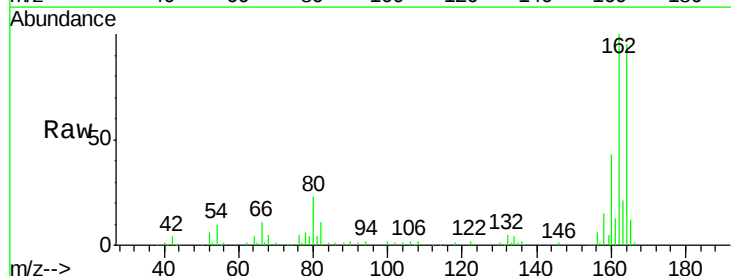
Instrument :
 BNA_F
 ClientSampleId :

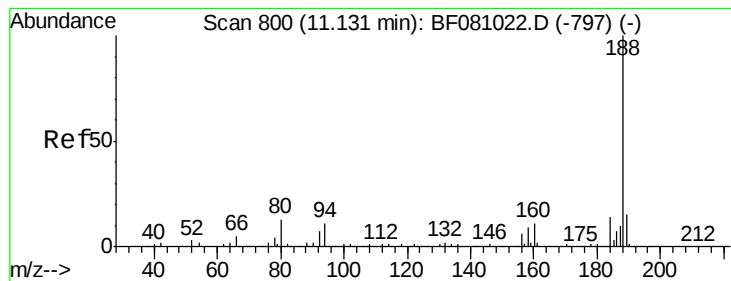
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	49.5	74.3#
89	0.0	47.6	71.4#



#56
 2,4-Dinitrotoluene
 Concen: 5.33 ng
 RT: 9.61 min Scan# 676
 Delta R.T. -0.24 min
 Lab File: BF081109.D
 Acq: 20 Aug 2015 5:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.2	78.4#
89	0.0	60.1	90.1#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 805

Delta R.T. -0.04 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

Instrument :

BNA_F

ClientSampleId :

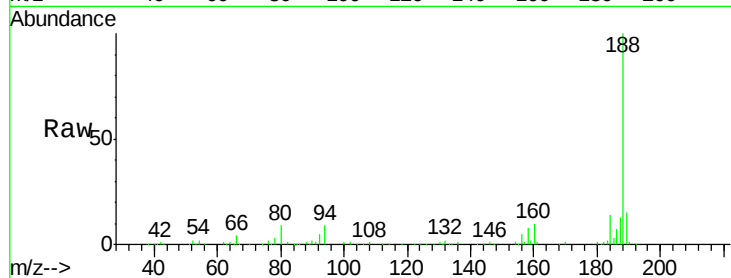
Tot Ion:188 Resp: 247416

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.2

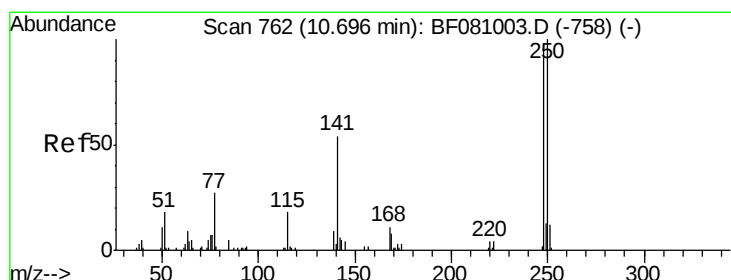
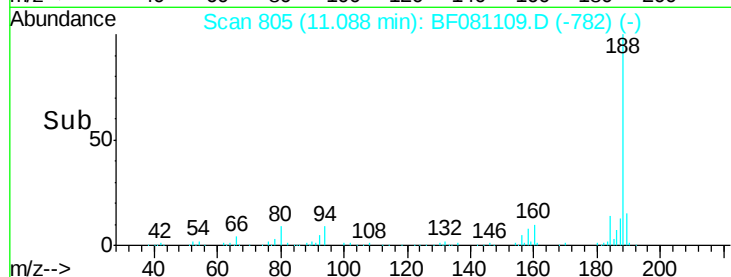
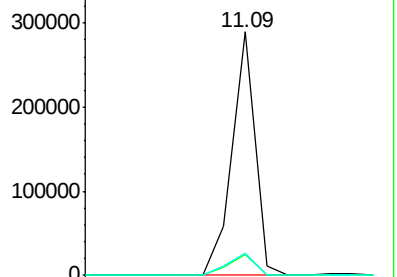
80 9.3 9.5 14.3#



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: 4.15 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.28 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

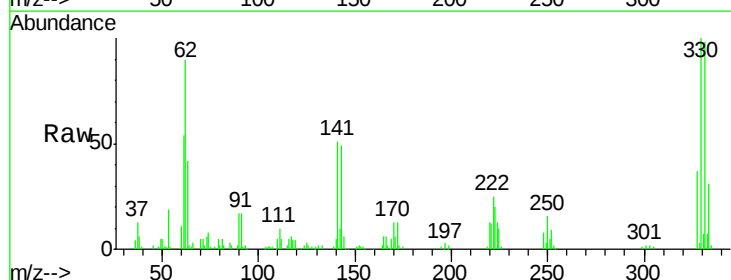
Tgt Ion:248 Resp: 10083

Ion Ratio Lower Upper

248 100

250 200.0 77.8 116.6#

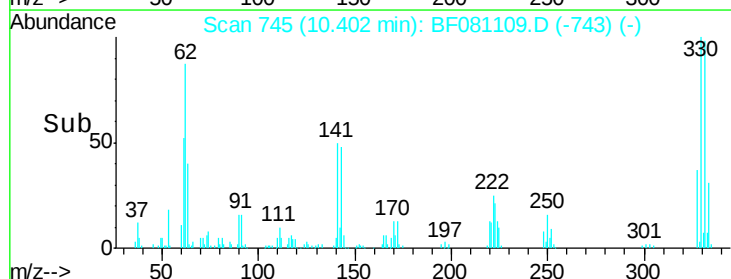
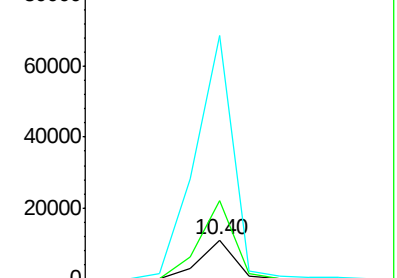
141 621.7 39.8 59.6#

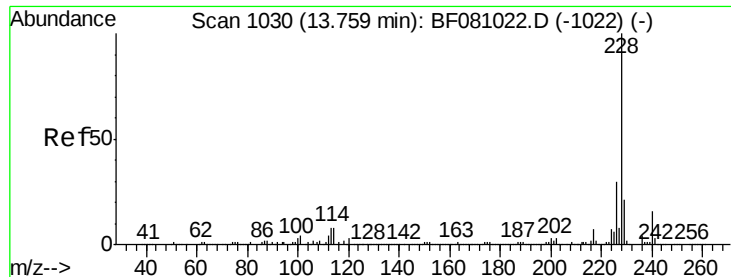


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.71 min Scan# 1034

Delta R.T. -0.04 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

Instrument :

BNA_F

ClientSampleId :

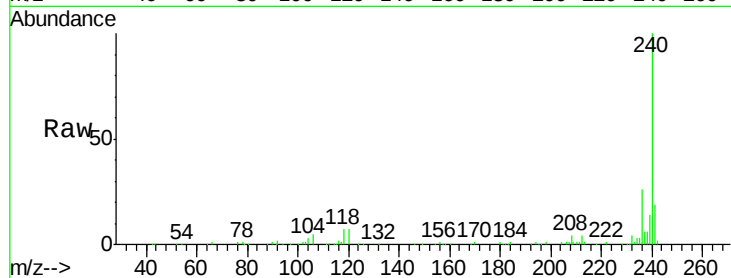
Tot Ion:240 Resp: 216567

Ion Ratio Lower Upper

240 100

120 7.5 5.6 8.4

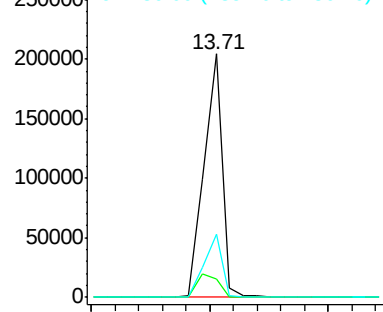
236 25.7 20.6 30.8



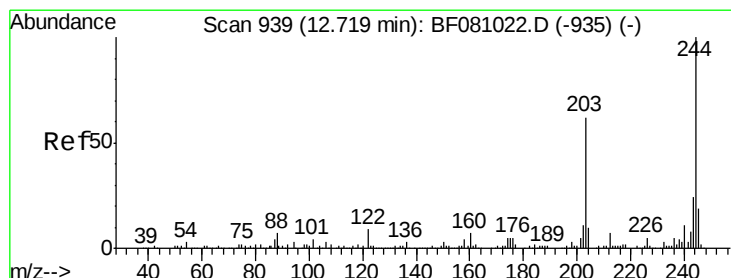
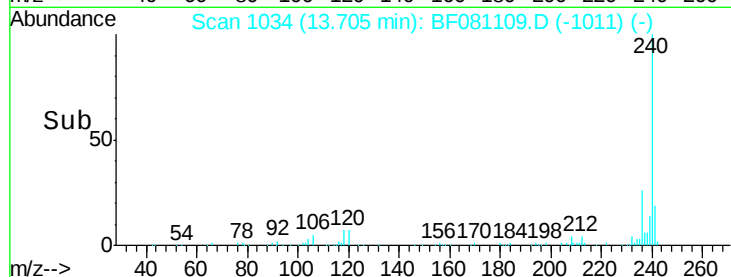
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.60 13.70 13.80



#78

Terphenyl-d14

Concen: 75.36 ng

RT: 12.68 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

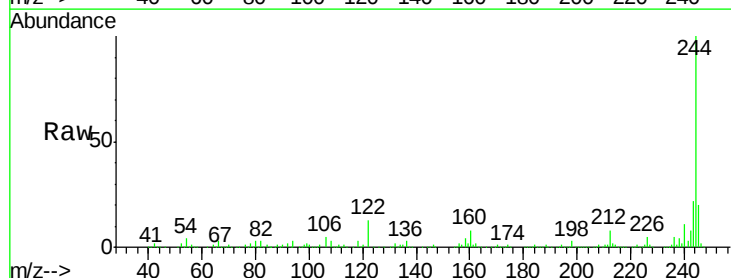
Tgt Ion:244 Resp: 761279

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

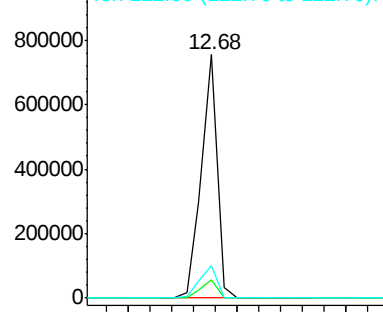
122 13.3 8.2 12.4#



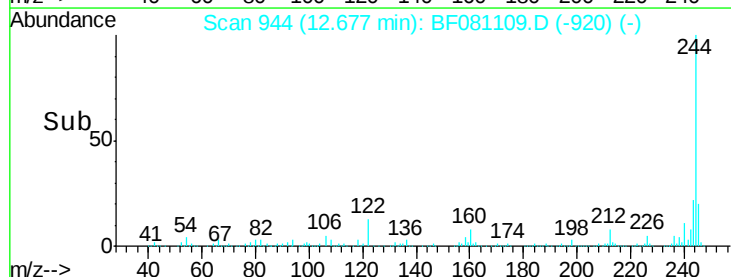
Abundance Ion 244.00 (243.70 to 244.70): E

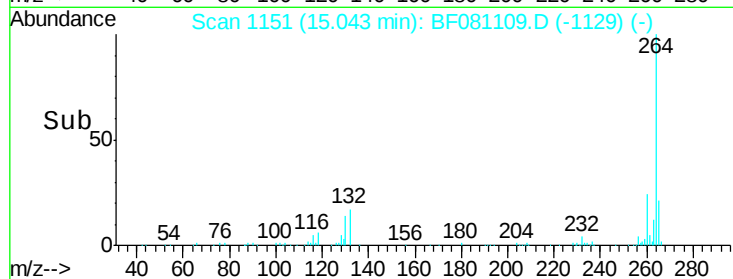
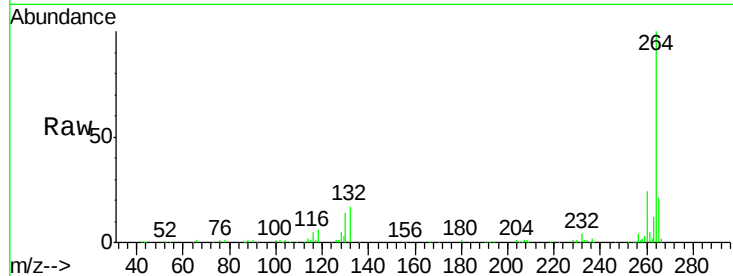
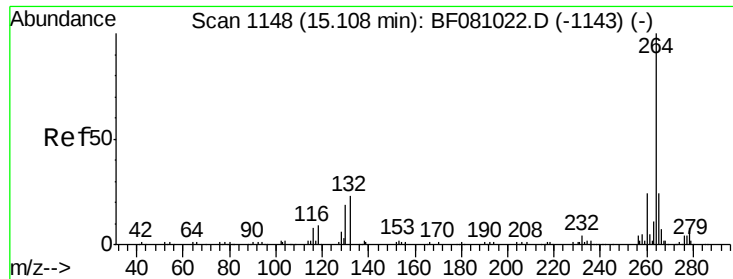
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.60 12.70 12.80





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.04 min Scan# 1151

Delta R.T. -0.05 min

Lab File: BF081109.D

Acq: 20 Aug 2015 5:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 170219

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 21.2 17.5 26.3

