

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086078.D
 Acq On : 5 Apr 2016 11:34
 Operator : UM/SJ
 Sample : H2027-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-18COMP

Quant Time: Apr 05 12:52:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

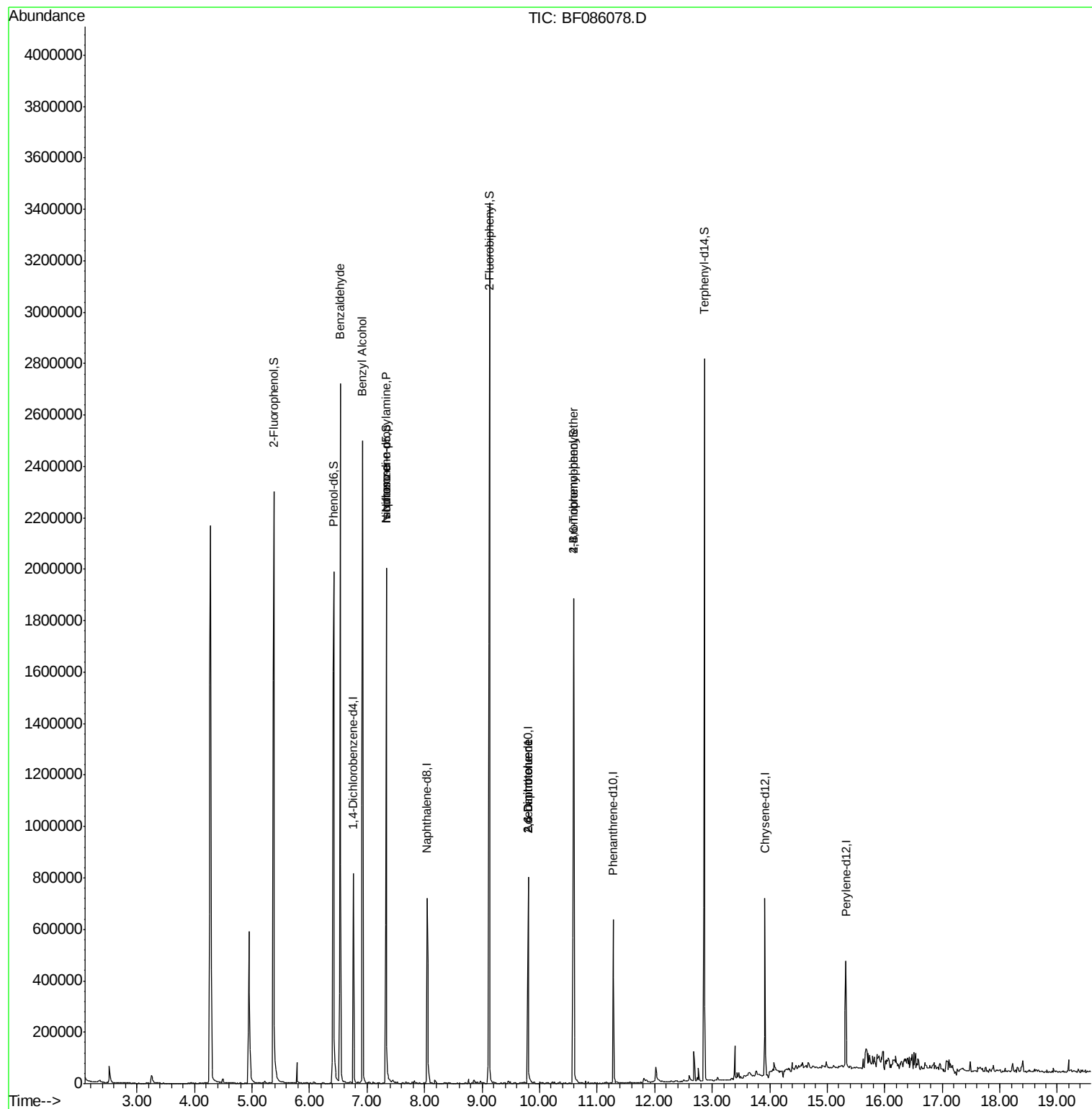
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	119506	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	426338	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	184449	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	291916	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	224779	20.00	ng	-0.01
86) Perylene-d12	15.32	264	174381	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	932426	133.37	ng	0.01
7) Phenol-d6	6.42	99	1094447	123.24	ng	0.00
23) Nitrobenzene-d5	7.33	82	694432	96.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	232814	134.48	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1234481	111.28	ng	-0.01
78) Terphenyl-d14	12.87	244	843573	88.22	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.53	77	18615	3.90	ng	Qvalue 83
15) Benzyl Alcohol	6.92	79	12182	2.12	ng	# 43
19) n-Nitroso-di-n-propylamine	7.33	70	94755	17.21	ng	# 78
25) Isophorone	7.33	82	689994	48.35	ng	# 68
50) 2,6-Dinitrotoluene	9.80	165	23689	8.19	ng	# 20
56) 2,4-Dinitrotoluene	9.80	165	23690	6.48	ng	# 38
66) 4-Bromophenyl-phenylether	10.59	248	16242	5.45	ng	# 1

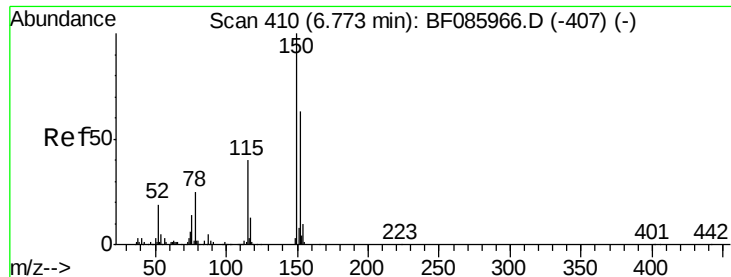
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Instrument :

BNA_F

ClientSampleId :

GRID-18COMP

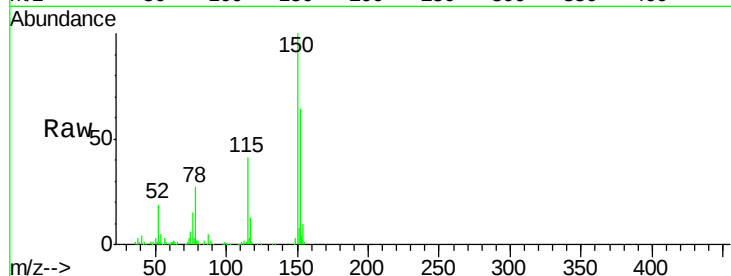
Tot Ion:152 Resp: 119506

Ion Ratio Lower Upper

152 100

150 156.7 124.2 186.2

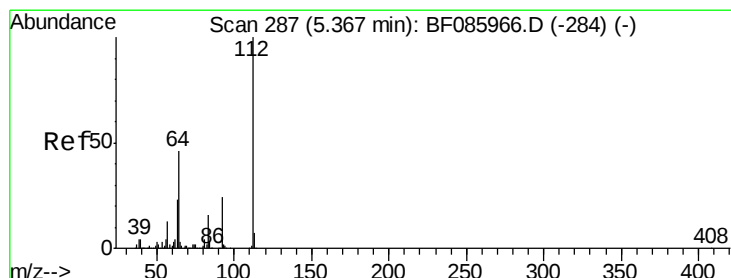
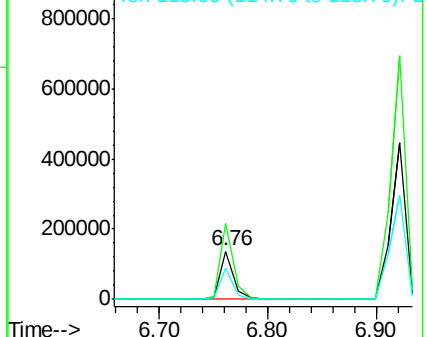
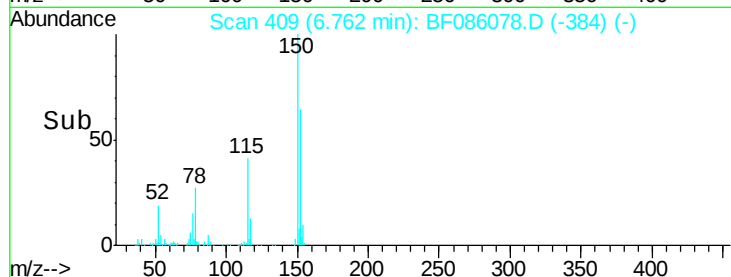
115 63.8 47.0 70.6



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: 133.37 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

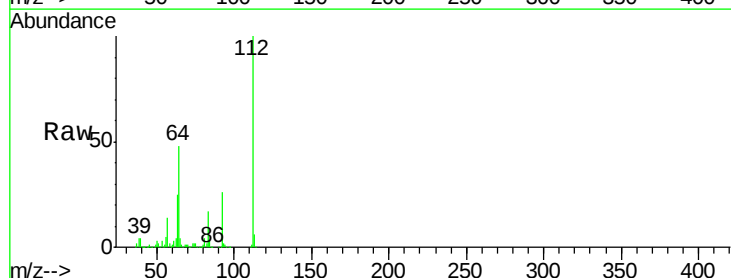
Tgt Ion:112 Resp: 932426

Ion Ratio Lower Upper

112 100

64 48.5 39.9 59.9

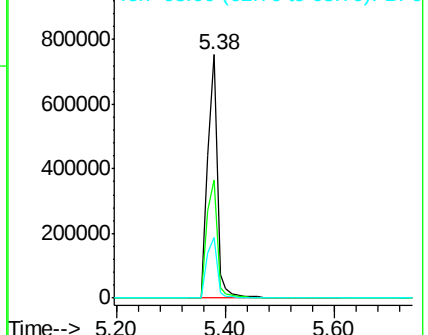
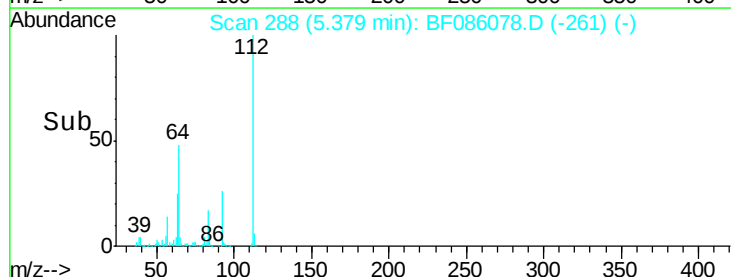
63 24.7 20.2 30.2

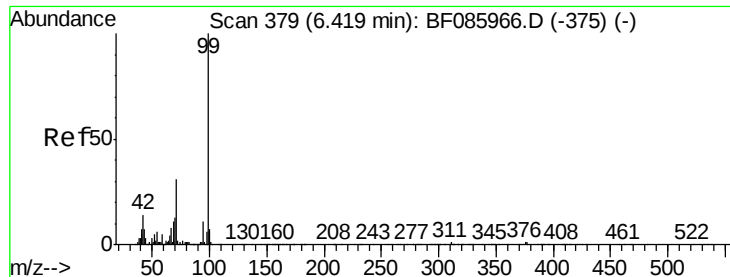


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.24 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Instrument :

BNA_F

ClientSampleId :

GRID-18COMP

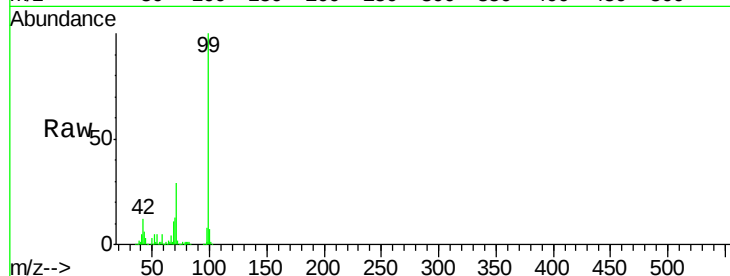
Tot Ion: 99 Resp: 1094447

Ion	Ratio	Lower	Upper
99	100		
42	12.3	11.1	16.7
71	29.3	24.9	37.3

99 100

42 12.3 11.1 16.7

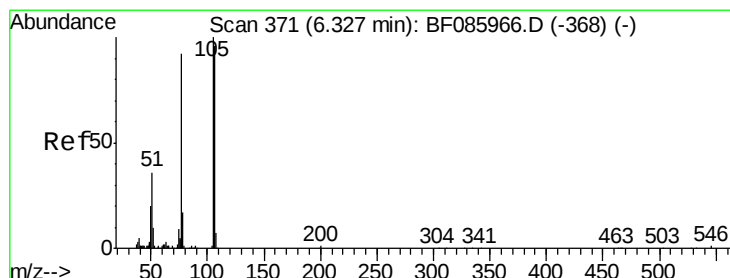
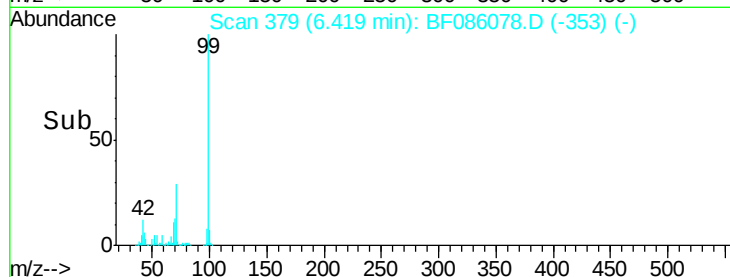
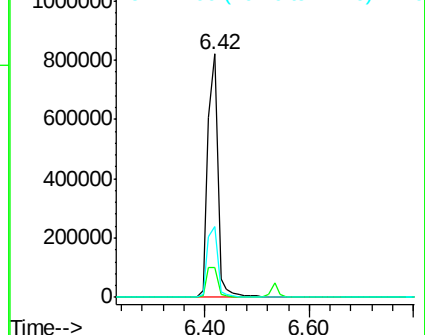
71 29.3 24.9 37.3



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: 3.90 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

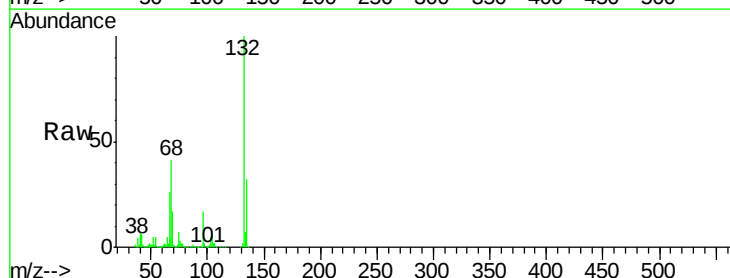
Tgt Ion: 77 Resp: 18615

Ion	Ratio	Lower	Upper
77	100		
105	82.9	80.1	120.1
106	78.9	75.0	115.0

77 100

105 82.9 80.1 120.1

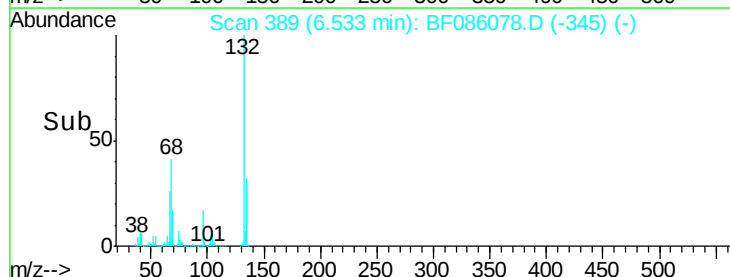
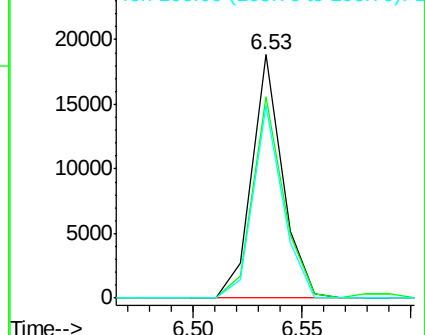
106 78.9 75.0 115.0

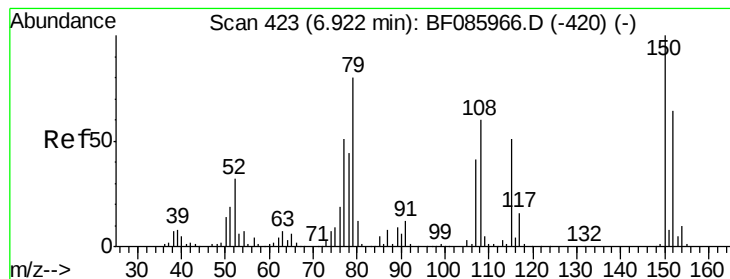


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Instrument :

BNA_F

ClientSampleId :

GRID-18COMP

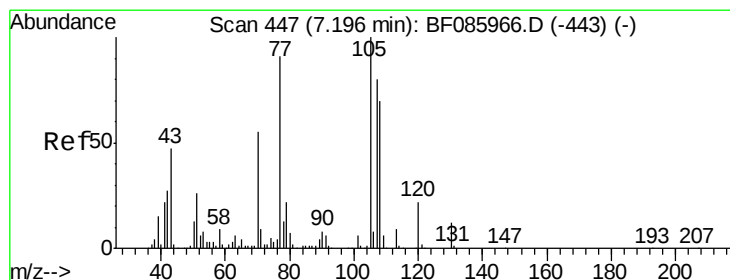
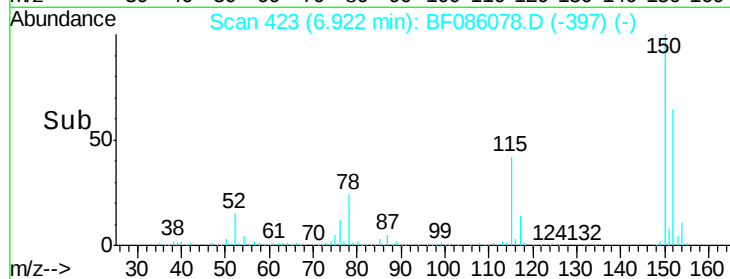
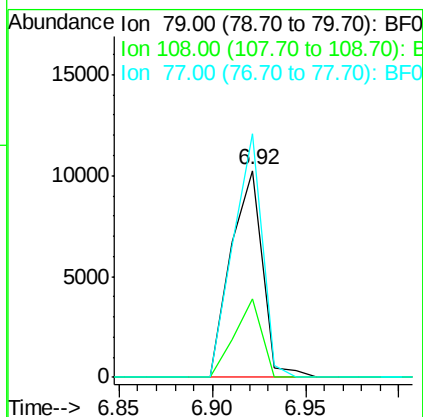
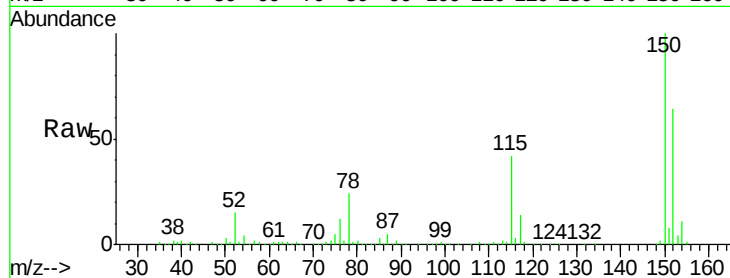
Tot Ion: 79 Resp: 12182

Ion Ratio Lower Upper

79 100

108 37.9 61.8 92.6#

77 117.7 49.6 74.4#



#19

n-Nitroso-di-n-propylamine

Concen: 17.21 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Tgt Ion: 70 Resp: 94755

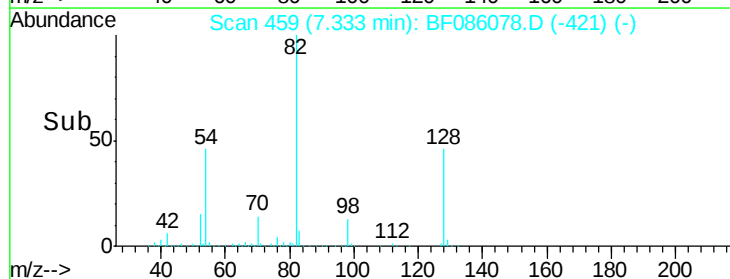
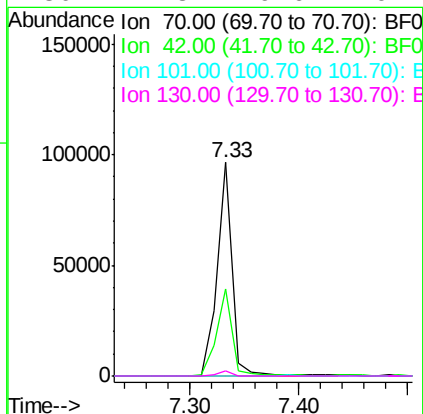
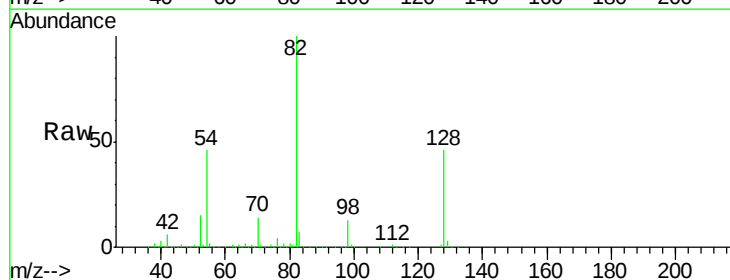
Ion Ratio Lower Upper

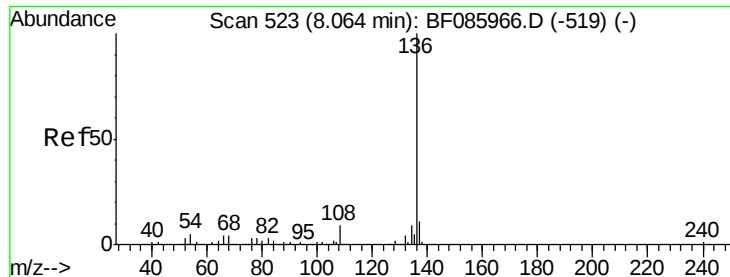
70 100

42 41.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

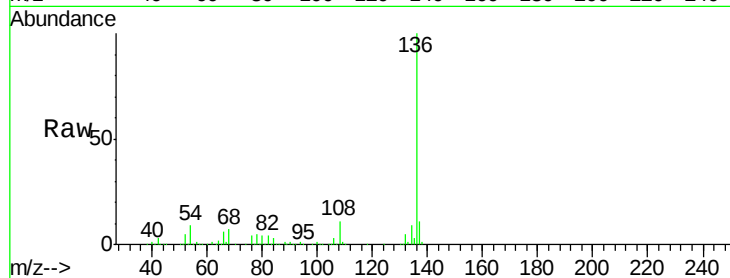




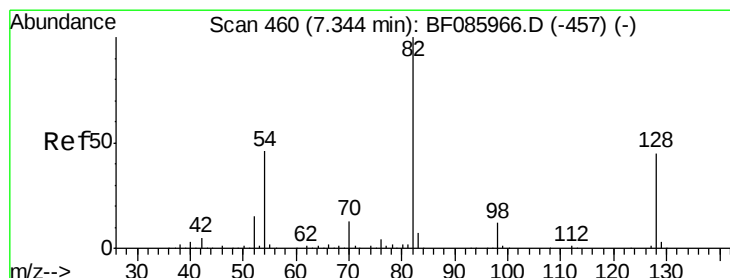
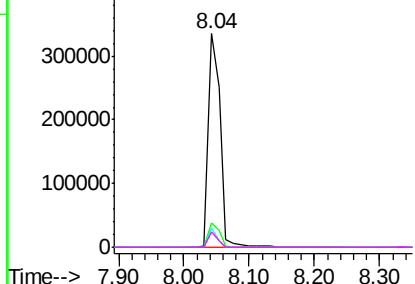
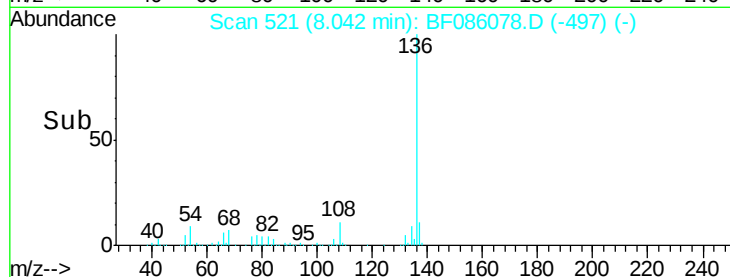
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF086078.D
Acq: 5 Apr 2016 11:34

Instrument :
BNA_F
ClientSampleId :
GRID-18COMP

Tot Ion:136	Resp:	426338
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.1	13.7
54 9.3	7.4	11.0
68 7.4	5.8	8.8

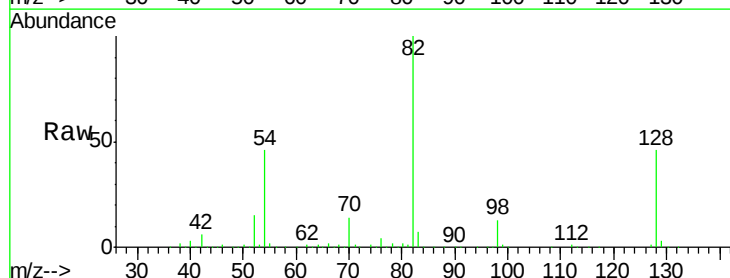


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

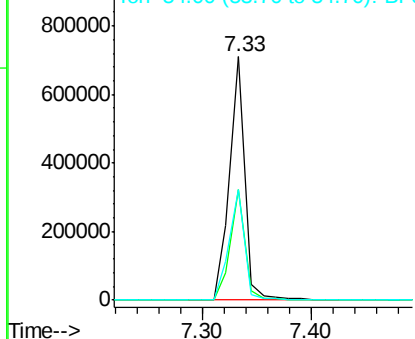
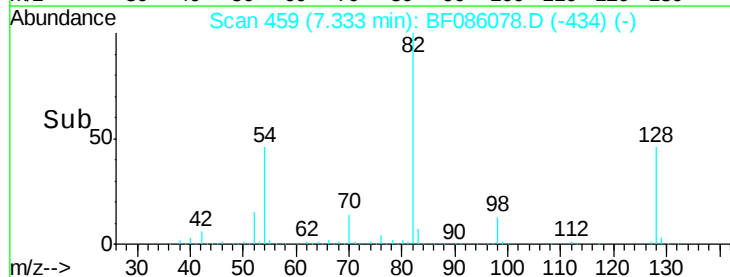


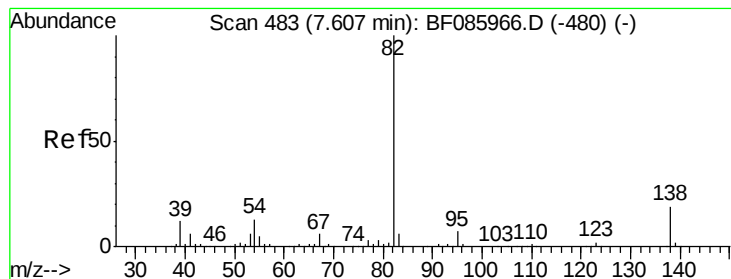
#23
Nitrobenzene-d5
Concen: 96.06 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF086078.D
Acq: 5 Apr 2016 11:34

Tgt Ion: 82	Resp: 694432
Ion Ratio	Lower Upper
82 100	
128 45.5	41.8 62.8
54 45.6	33.4 50.0



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: 48.35 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Instrument :

BNA_F

ClientSampleId :

GRID-18COMP

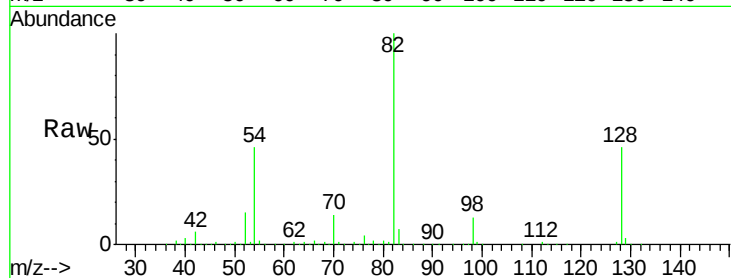
Tot Ion: 82 Resp: 689994

Ion Ratio Lower Upper

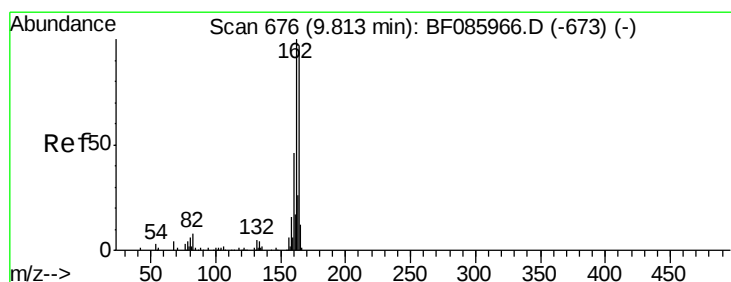
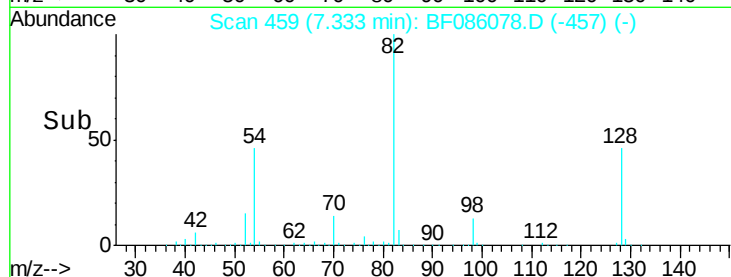
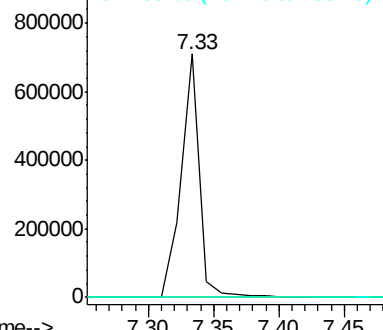
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

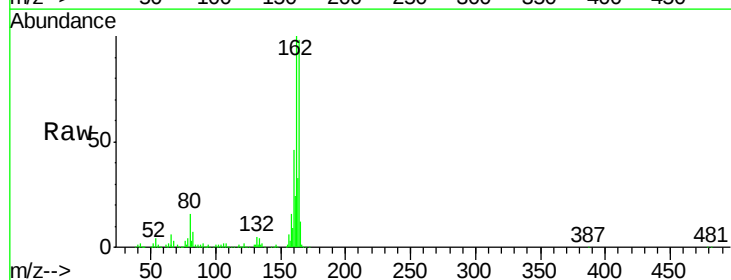
Tgt Ion: 164 Resp: 184449

Ion Ratio Lower Upper

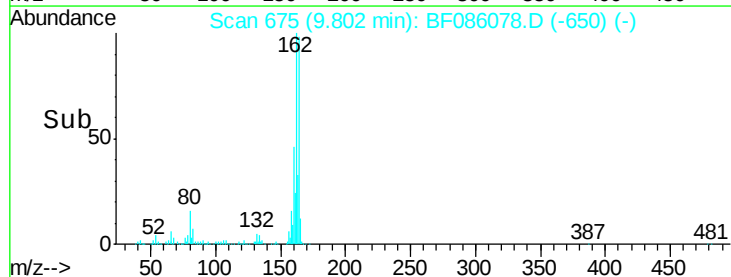
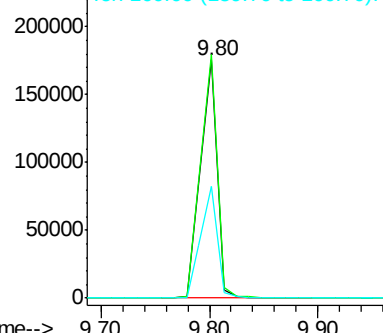
164 100

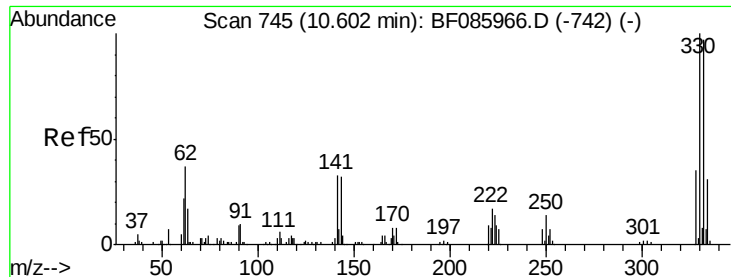
162 102.3 82.1 123.1

160 47.0 37.4 56.2



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

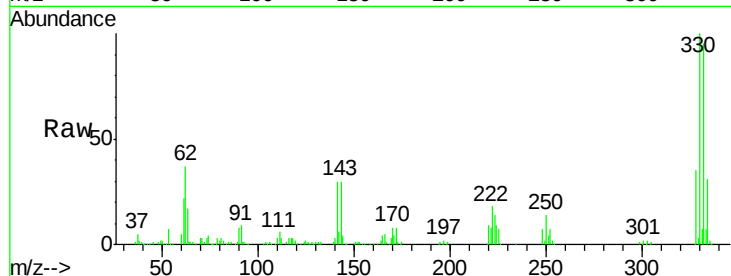




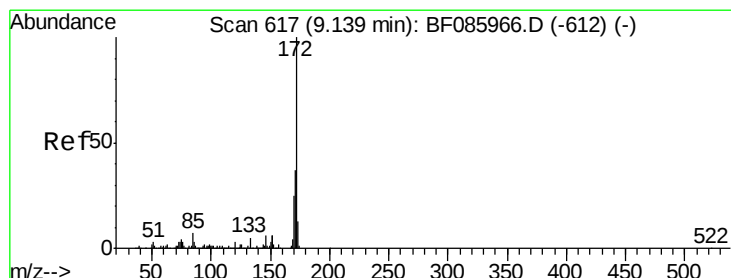
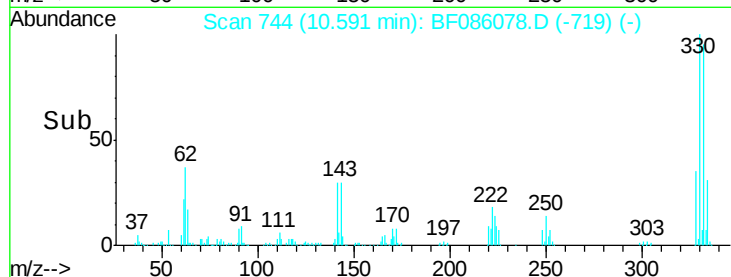
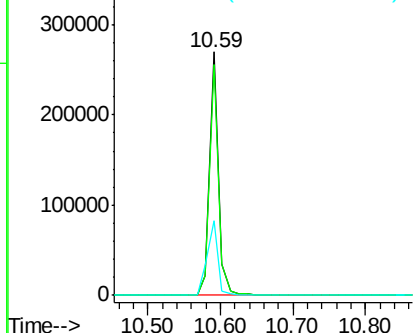
#41
 2,4,6-Tribromophenol
 Concen: 134.48 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086078.D
 Acq: 5 Apr 2016 11:34

Instrument :
 BNA_F
 ClientSampleId :
 GRID-18COMP

Tot Ion:330 Resp: 232814
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.2 117.2
 141 37.1 31.5 47.3

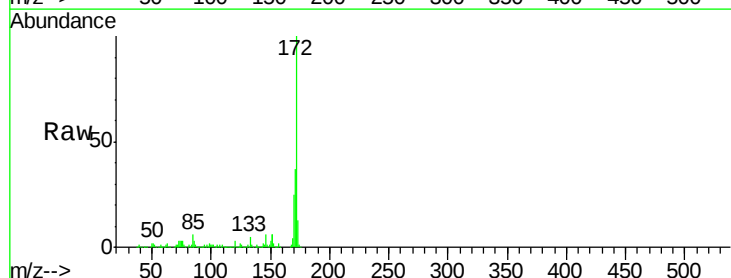


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

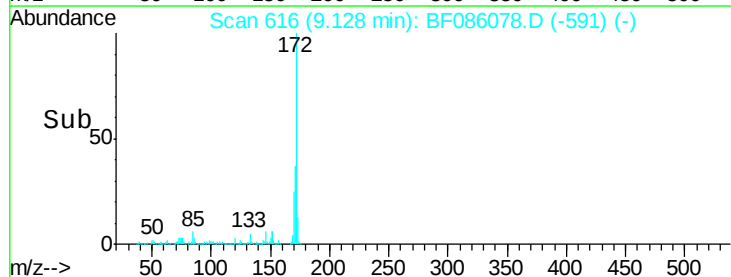
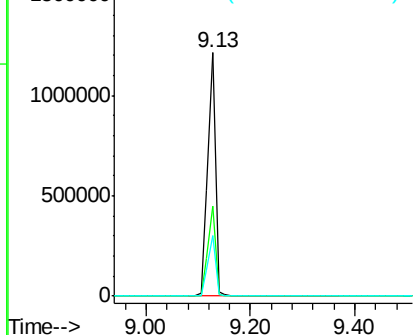


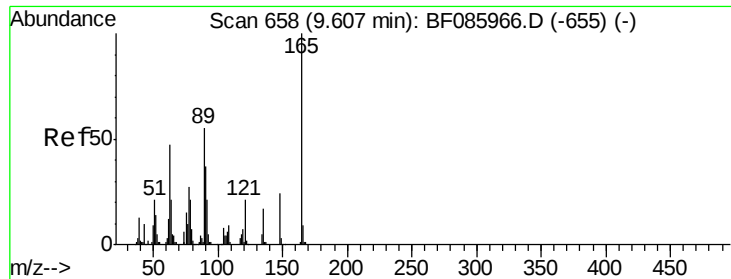
#44
 2-Fluorobiphenyl
 Concen: 111.28 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086078.D
 Acq: 5 Apr 2016 11:34

Tgt Ion:172 Resp: 1234481
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.2
 170 24.7 19.8 29.6



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: 8.19 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.19 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Instrument :

BNA_F

ClientSampleId :

GRID-18COMP

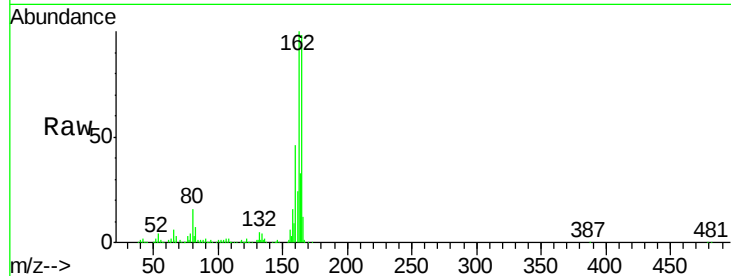
Tot Ion:165 Resp: 23689

Ion Ratio Lower Upper

165 100

63 1.9 51.8 77.8#

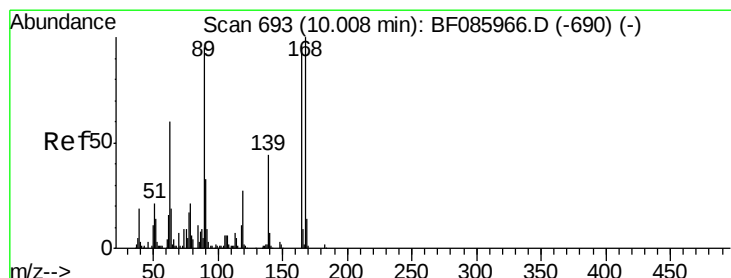
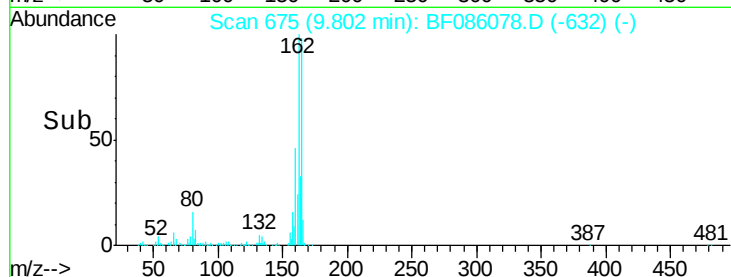
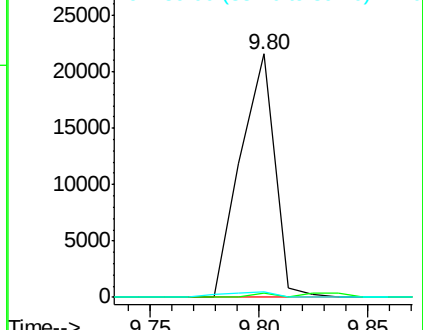
89 2.2 53.7 80.5#



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: 6.48 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Tgt Ion:165 Resp: 23690

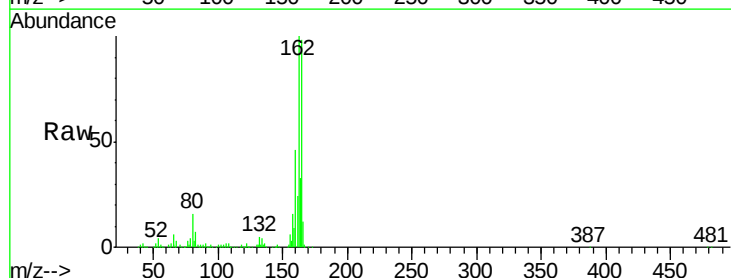
Ion Ratio Lower Upper

165 100

63 1.9 24.9 37.3#

89 2.2 41.0 61.6#

182 0.0 2.1 3.1#

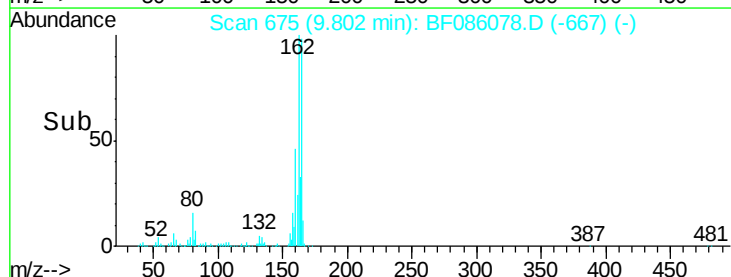
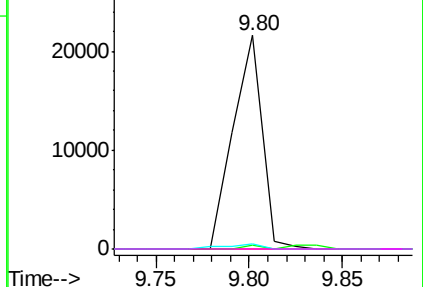


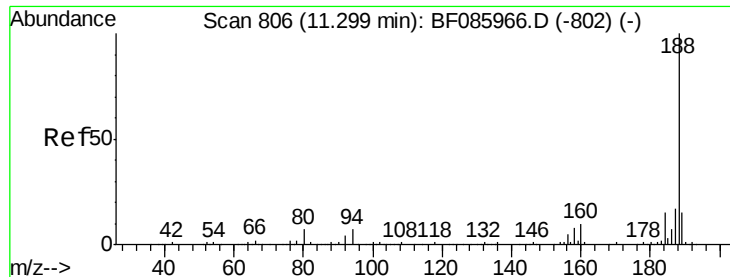
Abundance Ion 165.00 (164.70 to 165.70): E

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

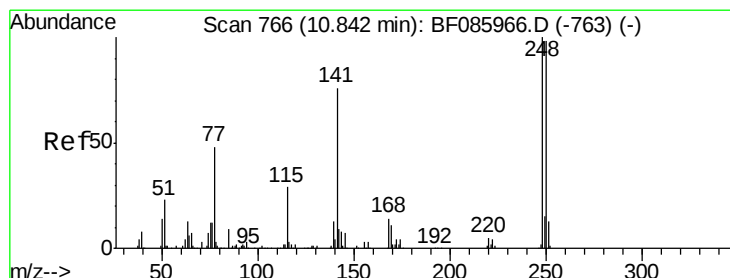
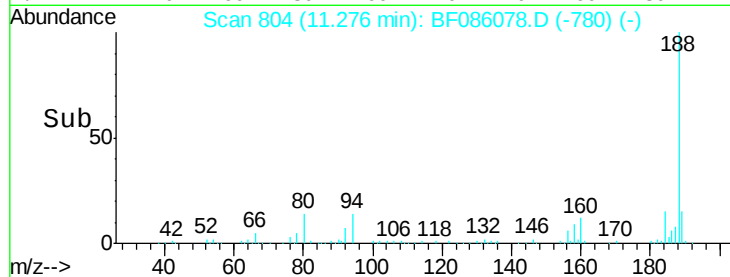
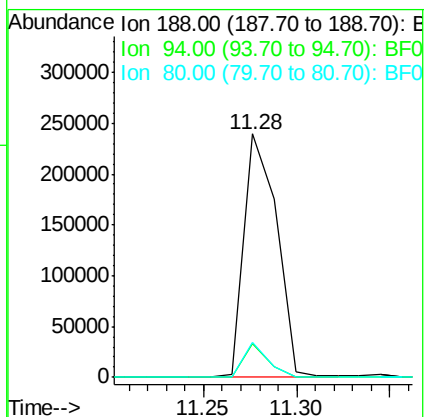
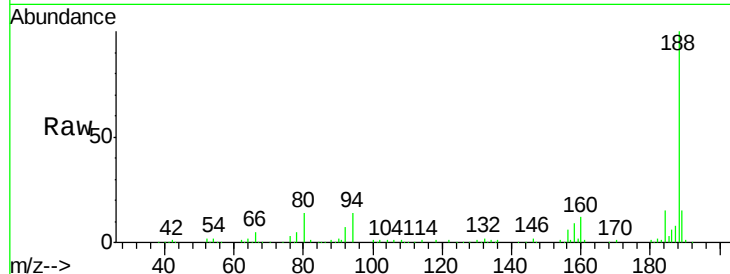




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF086078.D
Acq: 5 Apr 2016 11:34

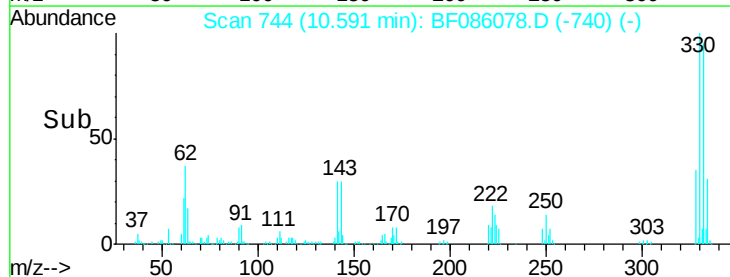
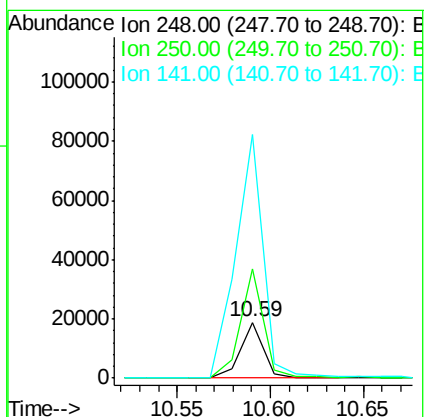
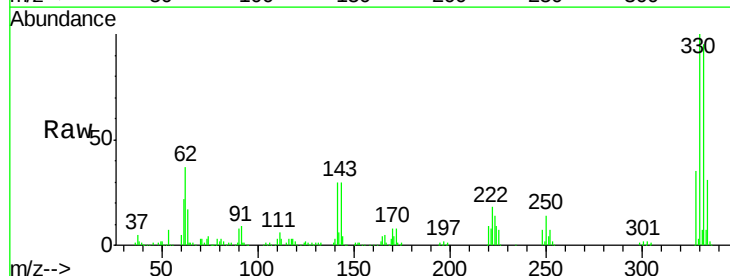
Instrument :
BNA_F
ClientSampleId :
GRID-18COMP

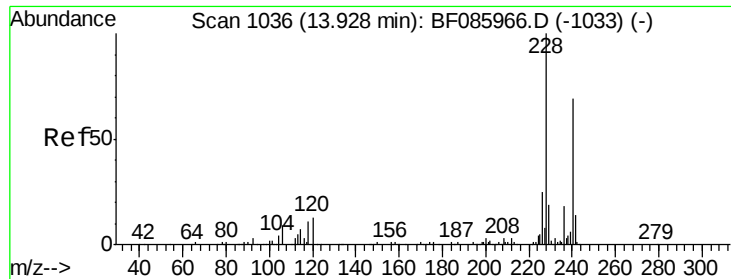
Tot Ion:188 Resp: 291916
Ion Ratio Lower Upper
188 100
94 13.6 5.4 8.0#
80 14.4 5.5 8.3#



#66
4-Bromophenyl-phenylether
Concen: 5.45 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.25 min
Lab File: BF086078.D
Acq: 5 Apr 2016 11:34

Tgt Ion:248 Resp: 16242
Ion Ratio Lower Upper
248 100
250 196.5 77.4 116.0#
141 437.5 63.6 95.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

Instrument :

BNA_F

ClientSampleId :

GRID-18COMP

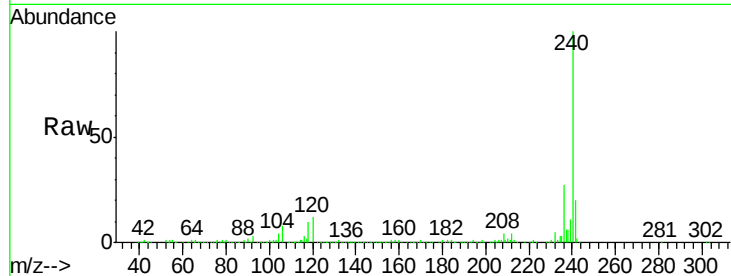
Tot Ion:240 Resp: 224779

Ion Ratio Lower Upper

240 100

120 11.8 13.8 20.8#

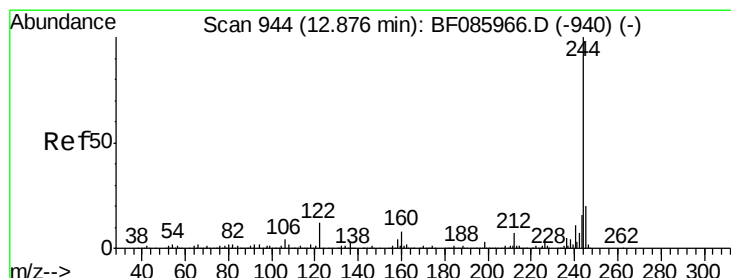
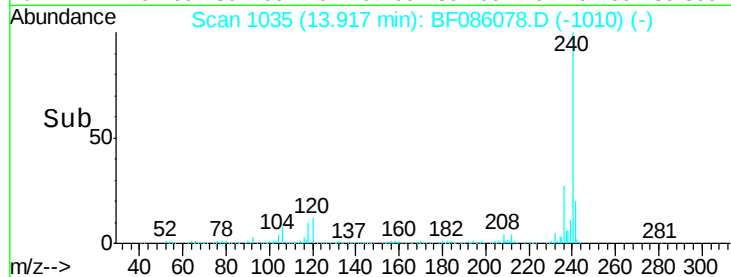
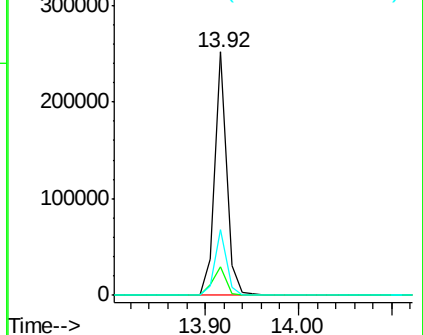
236 26.8 20.6 30.8



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



#78

Terphenyl-d14

Concen: 88.22 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086078.D

Acq: 5 Apr 2016 11:34

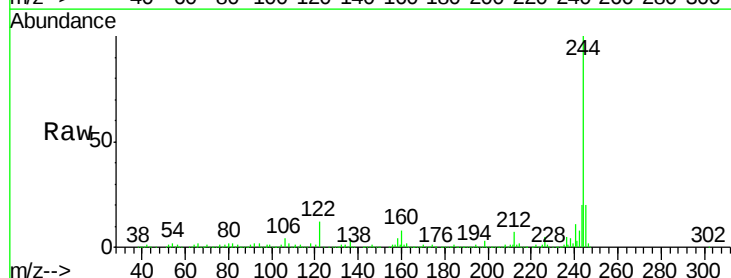
Tgt Ion:244 Resp: 843573

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

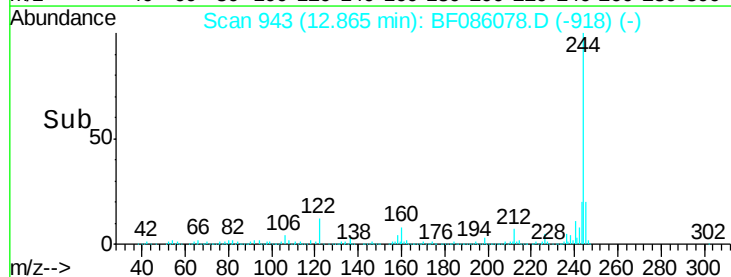
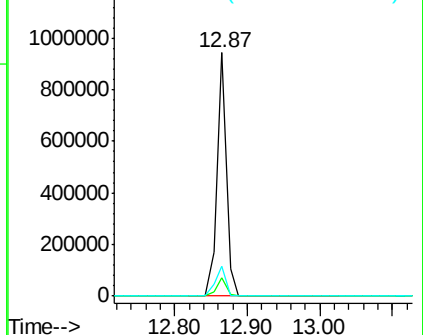
122 12.3 10.2 15.4

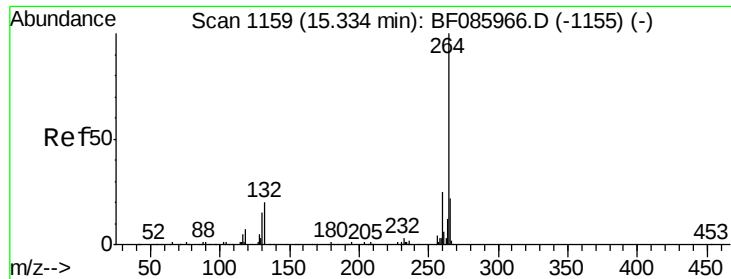


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

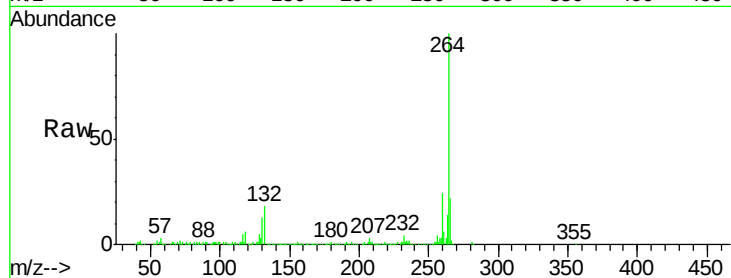




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF086078.D
Acq: 5 Apr 2016 11:34

Instrument :
BNA_F
ClientSampleId :
GRID-18COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.8	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

