

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
 Data File : BF086709.D
 Acq On : 5 May 2016 15:00
 Operator : UM/SJ
 Sample : PB90053TB
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90053TB

Quant Time: May 06 01:13:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

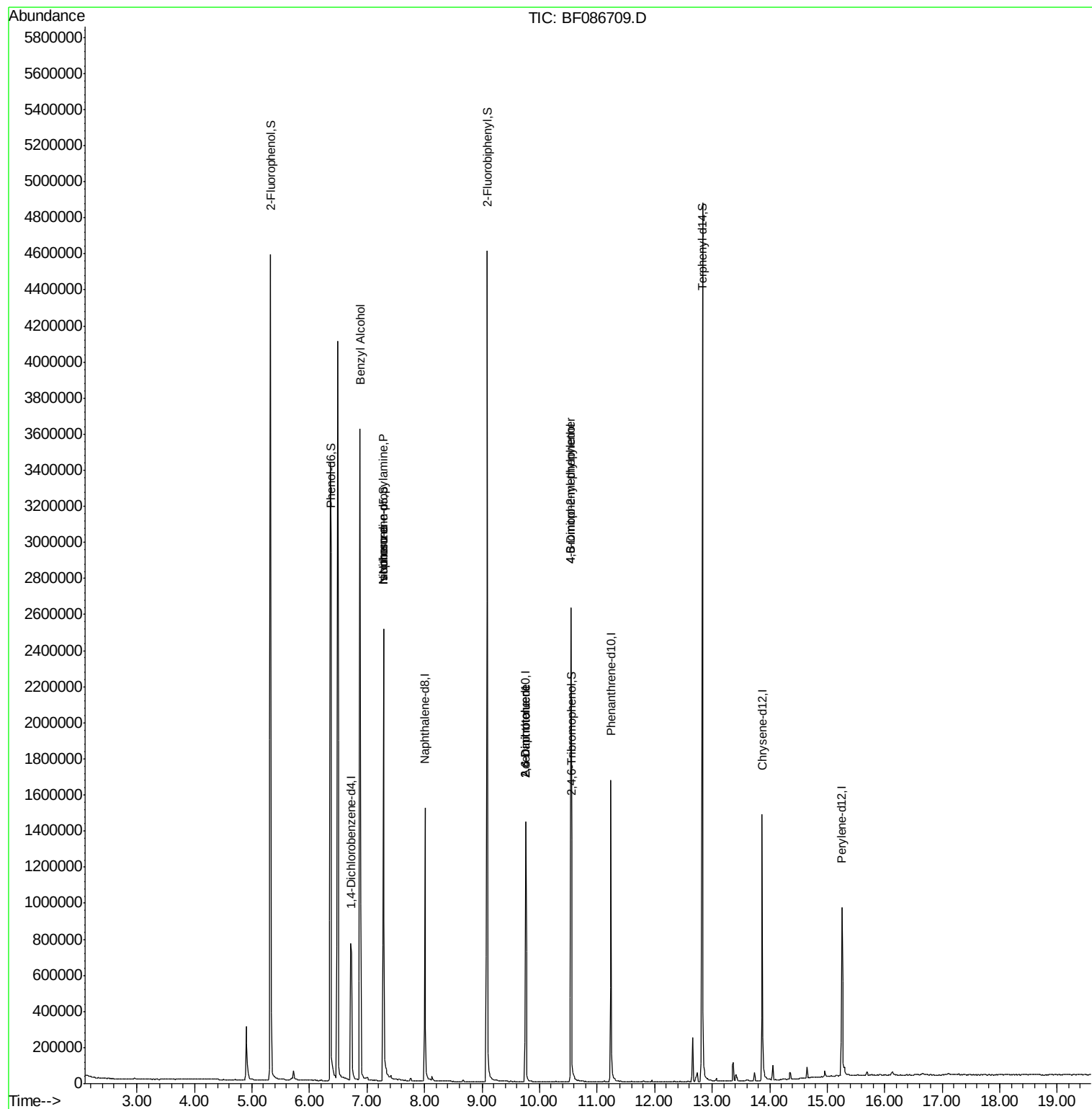
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	170635	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	722713	40.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	346000	40.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	685089	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	561349	40.00	ng	-0.01
86) Perylene-d12	15.25	264	452346	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1181392	114.62	ng	0.00
7) Phenol-d6	6.37	99	1673426	120.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	996313	70.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	400992	118.47	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1820762	86.26	ng	-0.01
78) Terphenyl-d14	12.83	244	1603521	57.73	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	6.88	79	18382	2.05	ng	# 42
19) n-Nitroso-di-n-propylamine	7.29	70	136868	14.43	ng	# 72
25) Isophorone	7.29	82	791854	30.23	ng	# 68
50) 2,6-Dinitrotoluene	9.76	165	42864	7.74	ng	# 20
56) 2,4-Dinitrotoluene	9.76	165	42866	6.25	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.54	198	872	5.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	23011	3.38	ng	# 1

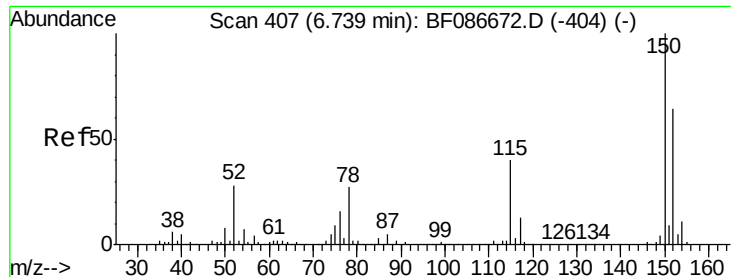
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

Instrument :

BNA_F

ClientSampleId :

PB90053TB

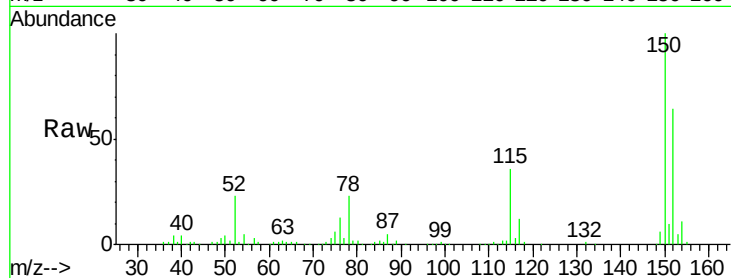
Tgt Ion:152 Resp: 170635

Ion Ratio Lower Upper

152 100

150 155.7 125.8 188.6

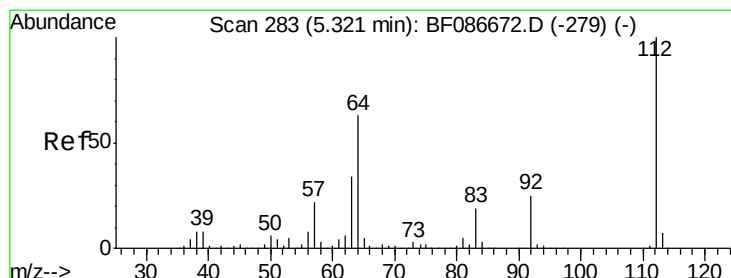
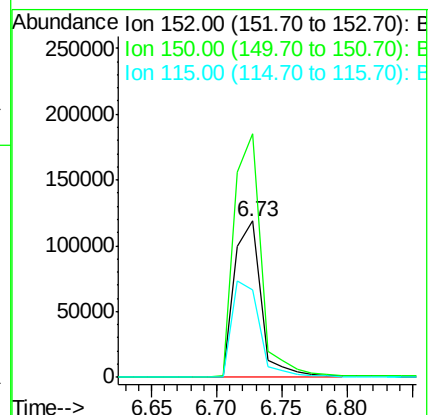
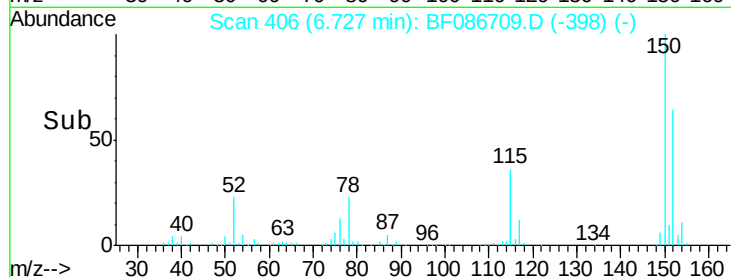
115 55.8 51.5 77.3



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: 114.62 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

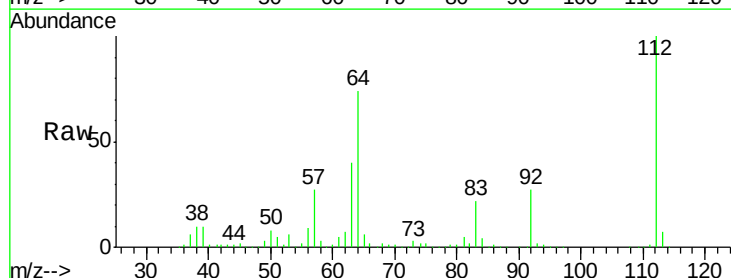
Tgt Ion:112 Resp: 1181392

Ion Ratio Lower Upper

112 100

64 73.6 52.1 78.1

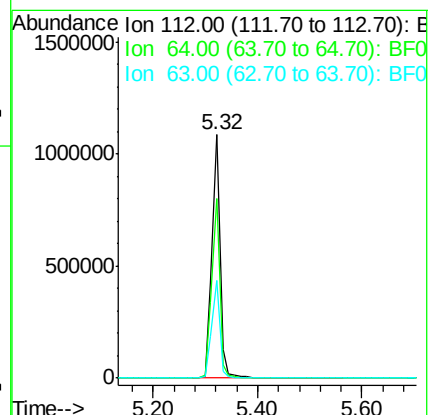
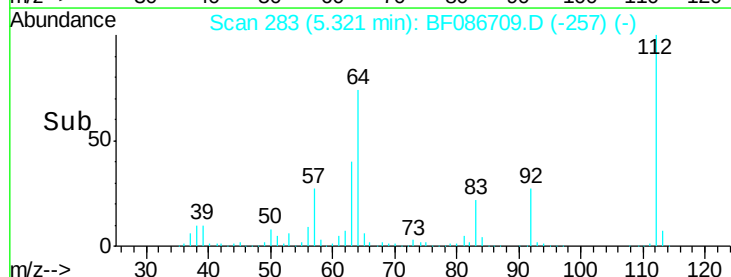
63 40.0 25.7 38.5#

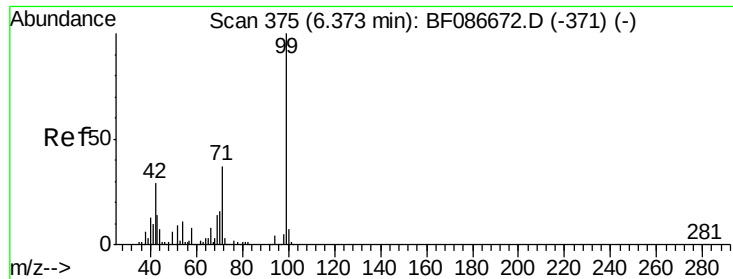


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.53 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

Instrument :

BNA_F

ClientSampleId :

PB90053TB

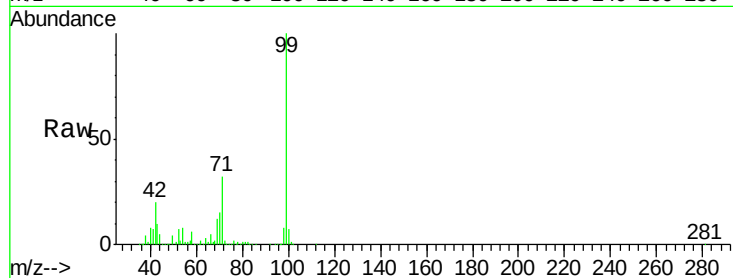
Tgt Ion: 99 Resp: 1673426

Ion Ratio Lower Upper

99 100

42 19.9 13.6 20.4

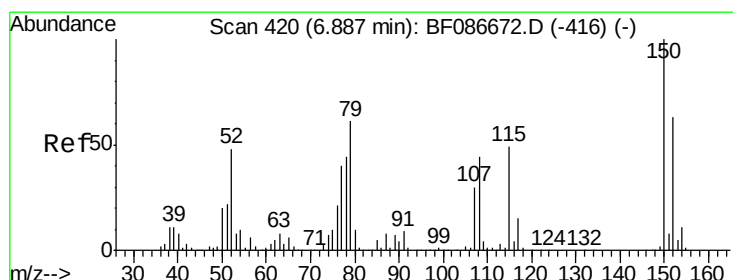
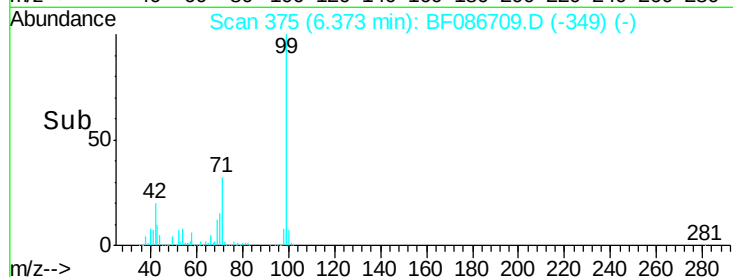
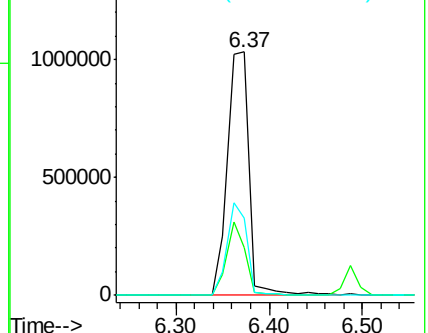
71 31.6 24.6 36.8



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



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

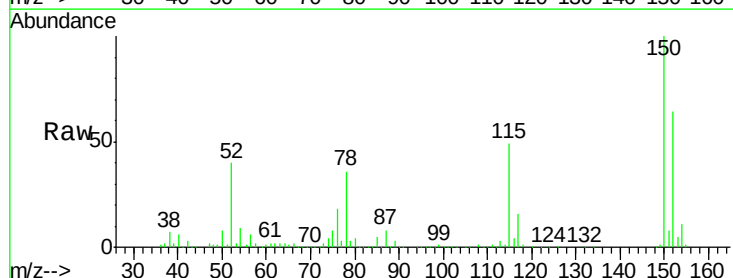
Tgt Ion: 79 Resp: 18382

Ion Ratio Lower Upper

79 100

108 28.9 68.4 102.6#

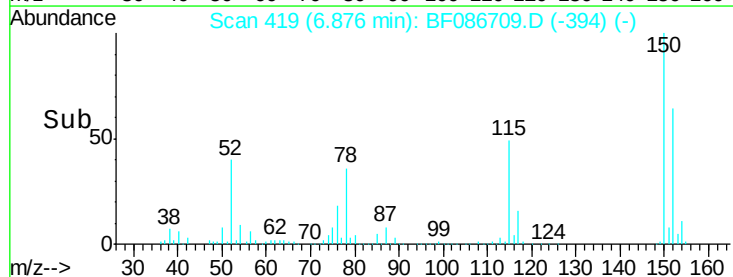
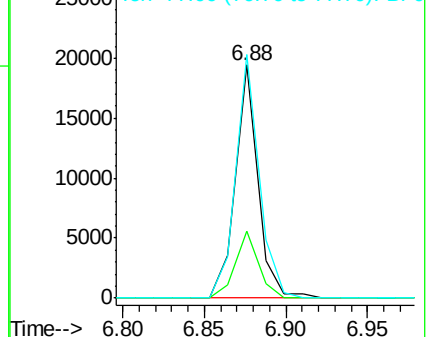
77 104.5 50.6 76.0#

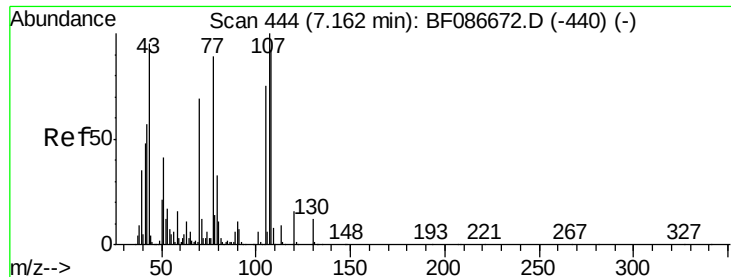


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

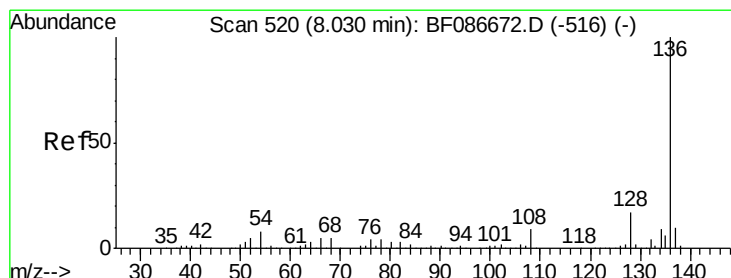
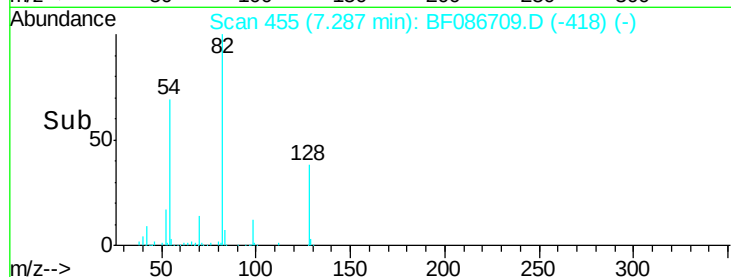
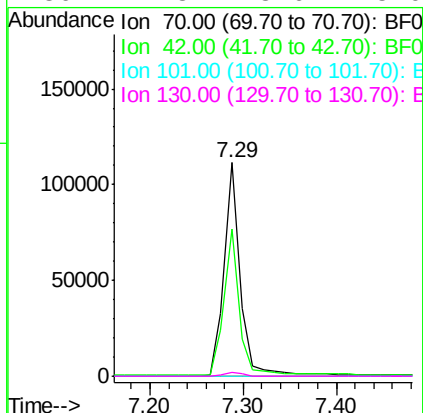
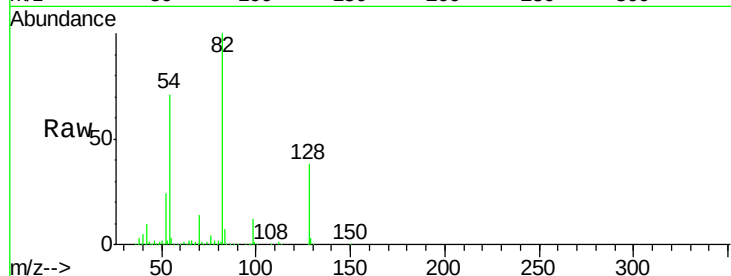




#19
n-Nitroso-di-n-propylamine
Concen: 14.43 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.13 min
Lab File: BF086709.D
Acq: 5 May 2016 15:00

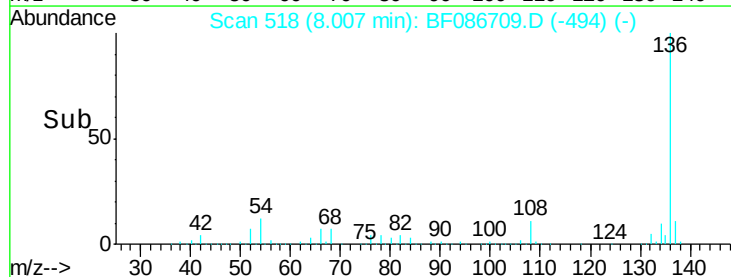
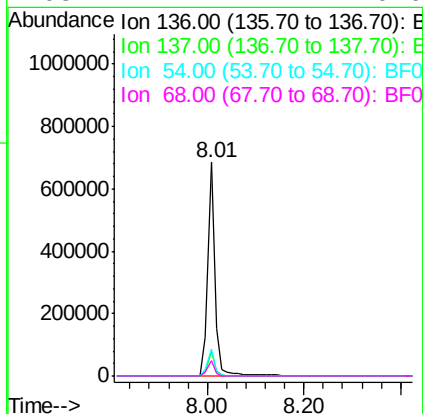
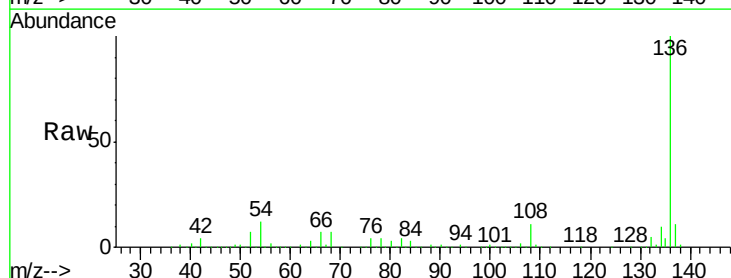
Instrument :
BNA_F
ClientSampleId :
PB90053TB

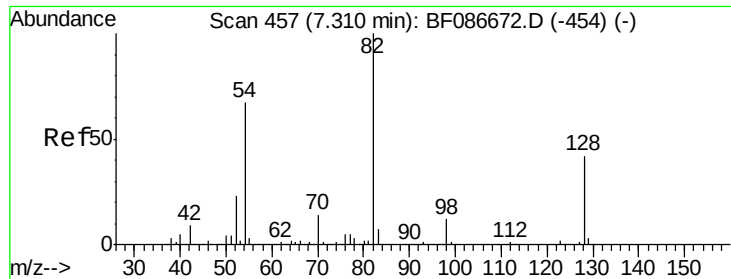
Tgt Ion: 70 Resp: 136868
Ion Ratio Lower Upper
70 100
42 68.7 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086709.D
Acq: 5 May 2016 15:00

Tgt Ion: 136 Resp: 722713
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 12.4 5.0 7.4#
68 7.1 4.4 6.6#

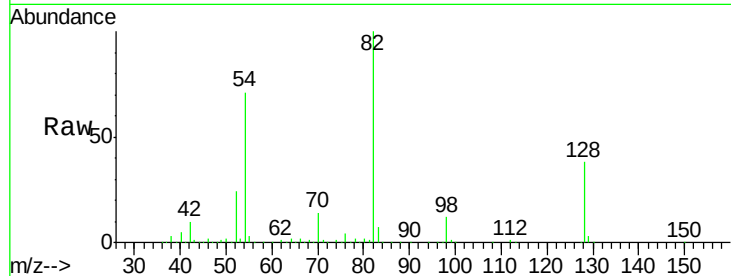




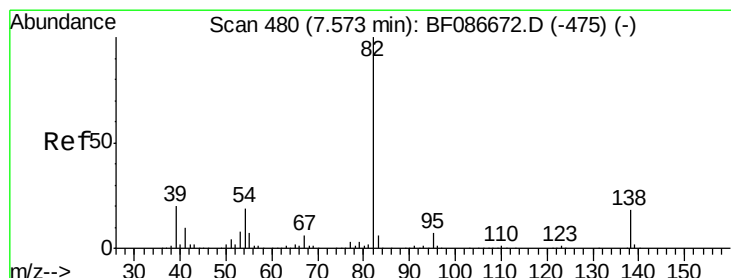
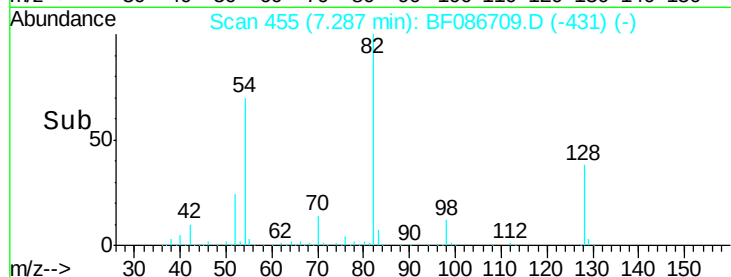
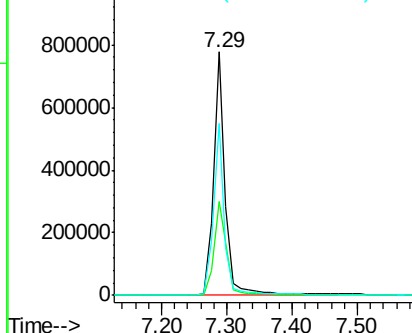
#23
 Nitrobenzene-d5
 Concen: 70.84 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: BF086709.D
 Acq: 5 May 2016 15:00

Instrument :
 BNA_F
 ClientSampleId :
 PB90053TB

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.4	40.6	61.0#
54	70.5	38.1	57.1#

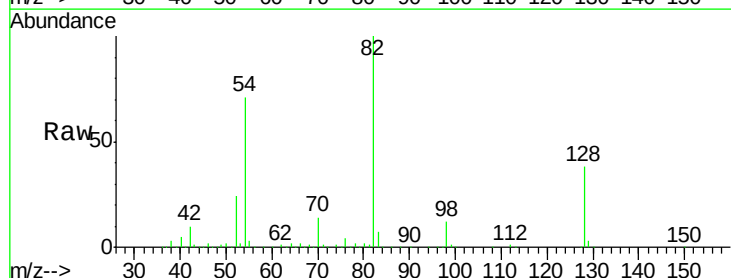


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

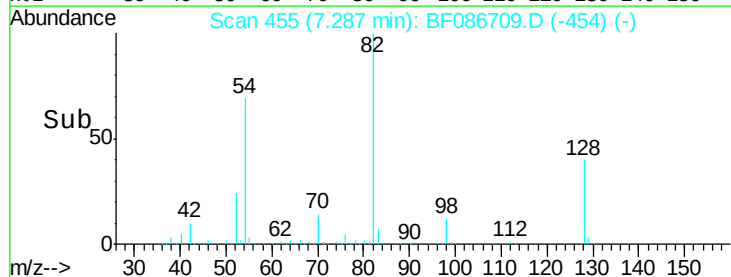
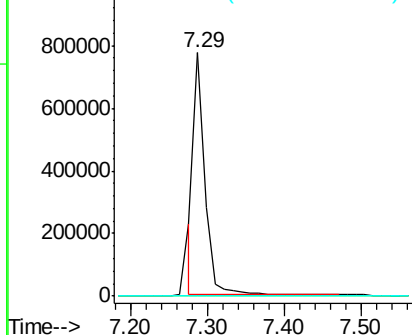


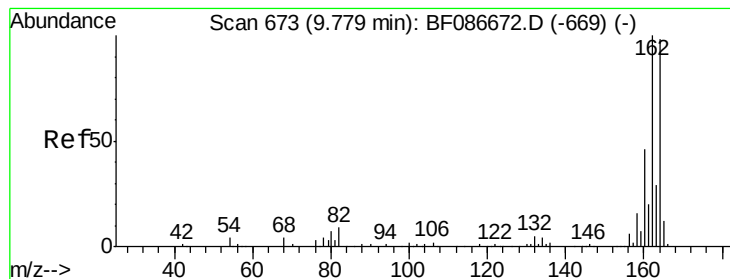
#25
 Isophorone
 Concen: 30.23 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.29 min
 Lab File: BF086709.D
 Acq: 5 May 2016 15:00

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#



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: 40.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

Instrument :

BNA_F

ClientSampleId :

PB90053TB

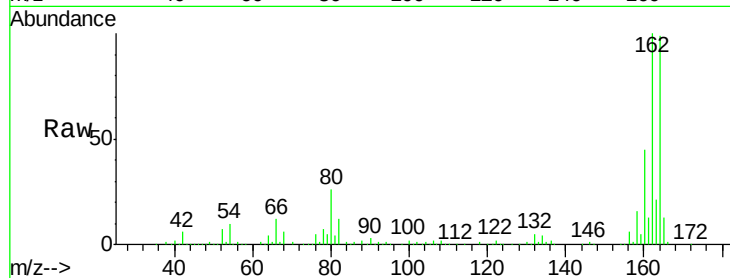
Tgt Ion:164 Resp: 346000

Ion Ratio Lower Upper

164 100

162 101.4 82.8 124.2

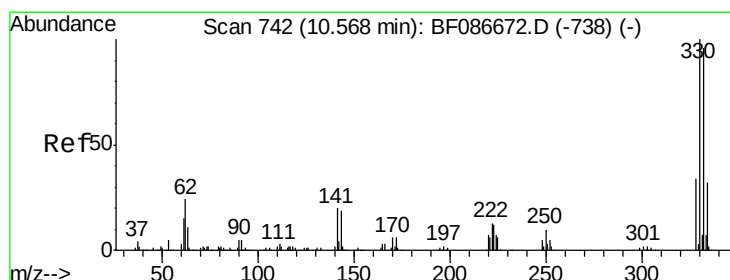
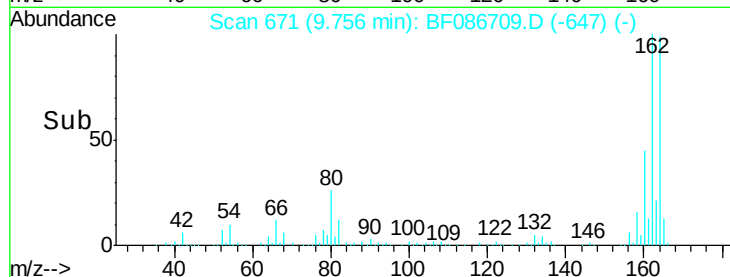
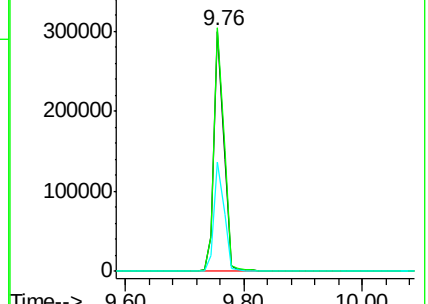
160 45.3 36.9 55.3



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: 118.47 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

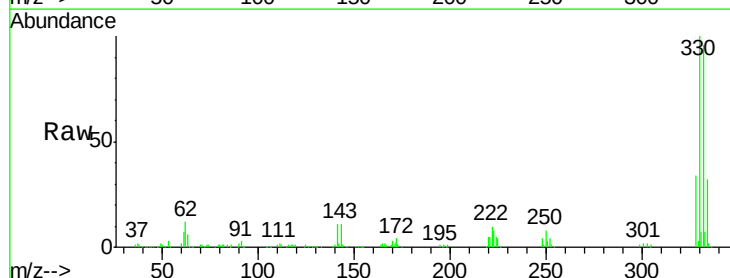
Tgt Ion:330 Resp: 400992

Ion Ratio Lower Upper

330 100

332 97.2 79.0 118.4

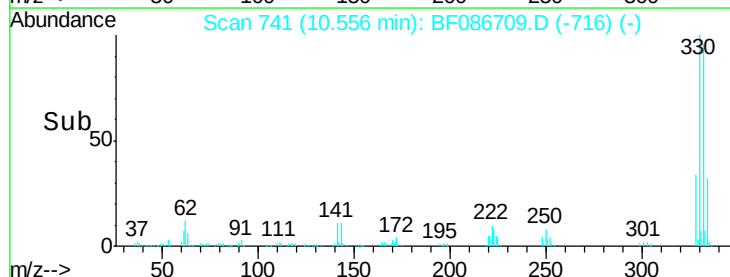
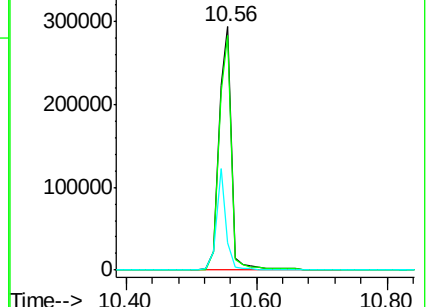
141 33.2 31.2 46.8

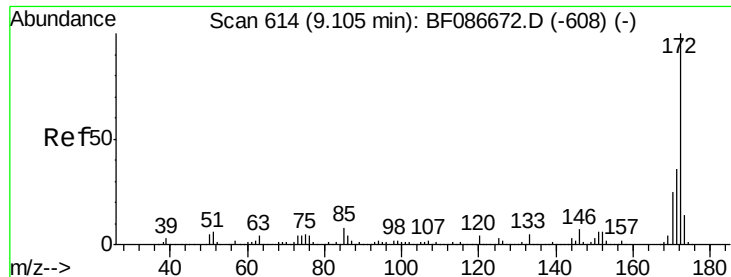


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

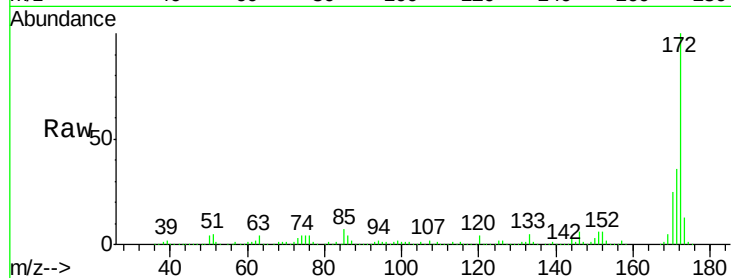




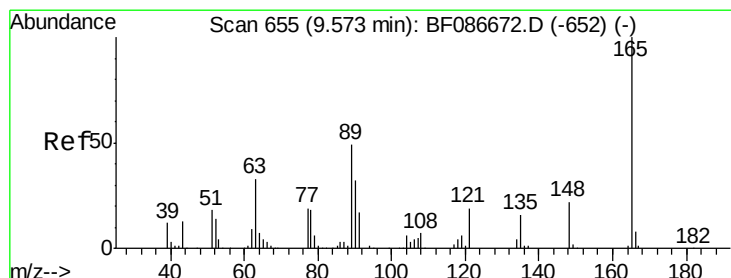
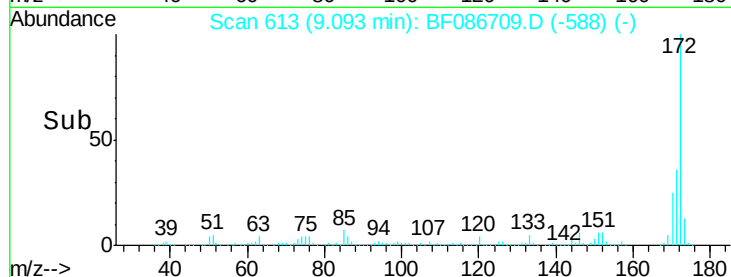
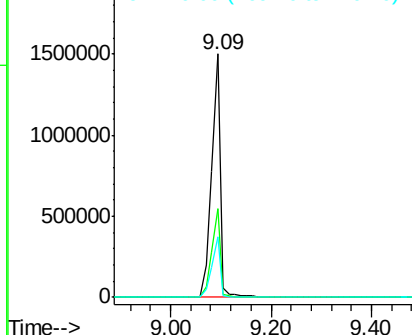
#44
 2-Fluorobiphenyl
 Concen: 86.26 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086709.D
 Acq: 5 May 2016 15:00

Instrument :
 BNA_F
 ClientSampleId :
 PB90053TB

Tgt Ion:172 Resp: 1820762
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 25.0 19.8 29.8

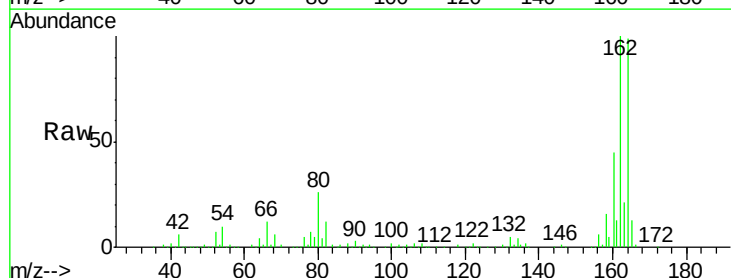


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

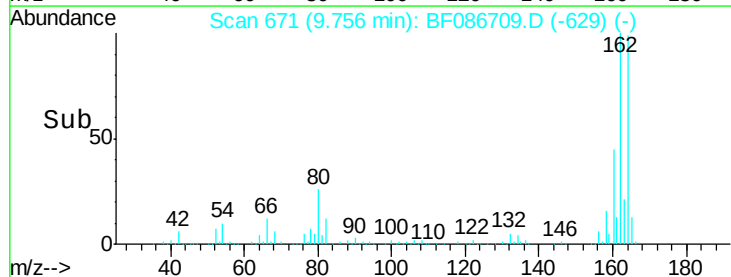
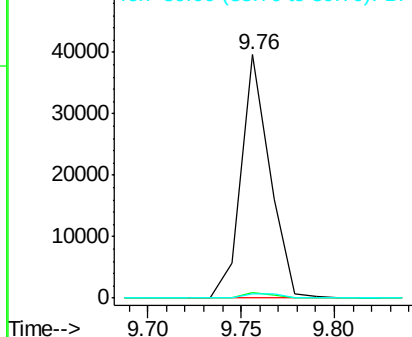


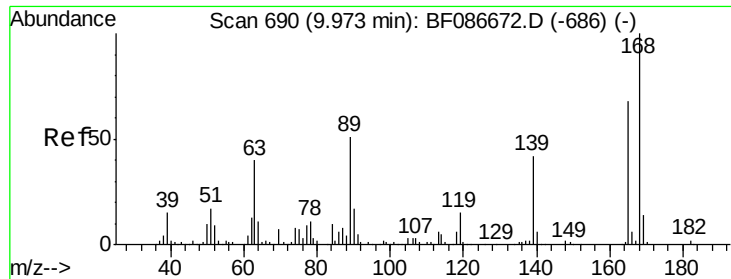
#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.18 min
 Lab File: BF086709.D
 Acq: 5 May 2016 15:00

Tgt Ion:165 Resp: 42864
 Ion Ratio Lower Upper
 165 100
 63 2.0 51.8 77.8#
 89 1.6 50.7 76.1#



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





#56

2,4-Dinitrotoluene

Concen: 6.25 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.22 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

Instrument :

BNA_F

ClientSampleId :

PB90053TB

Tgt Ion:165 Resp: 42866

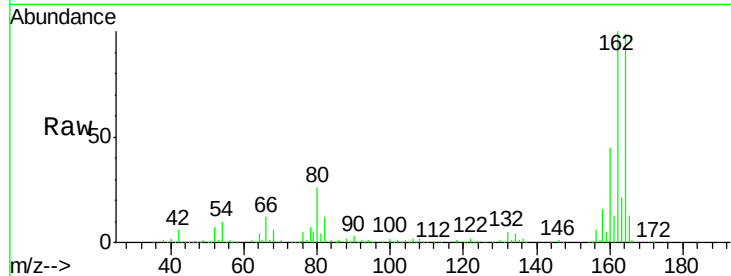
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 1.6 70.0 105.0#

182 0.0 1.8 2.6#

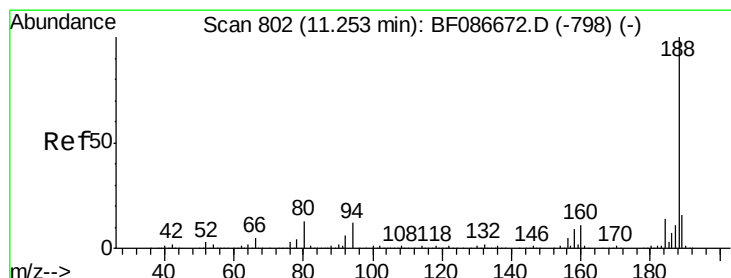
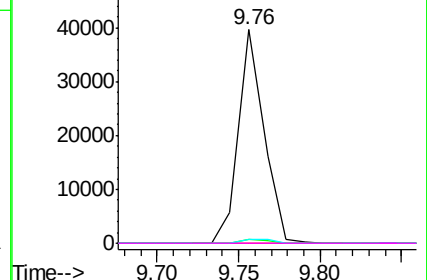
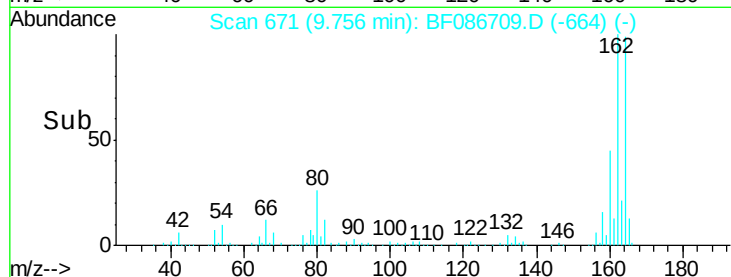


Abundance Ion 165.00 (164.70 to 165.70): E

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: 40.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

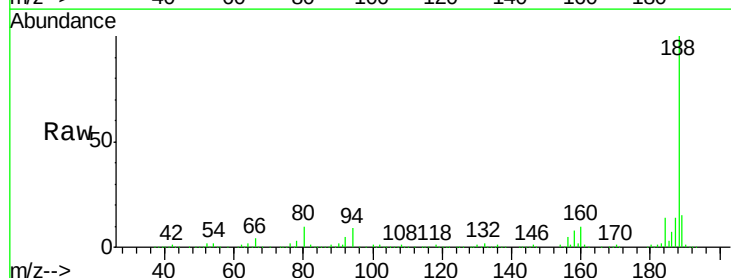
Tgt Ion:188 Resp: 685089

Ion Ratio Lower Upper

188 100

94 9.4 6.8 10.2

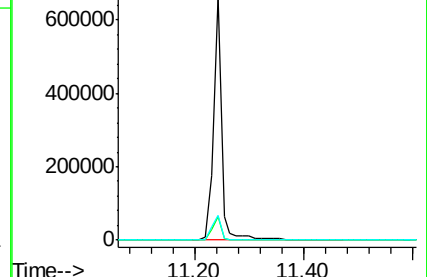
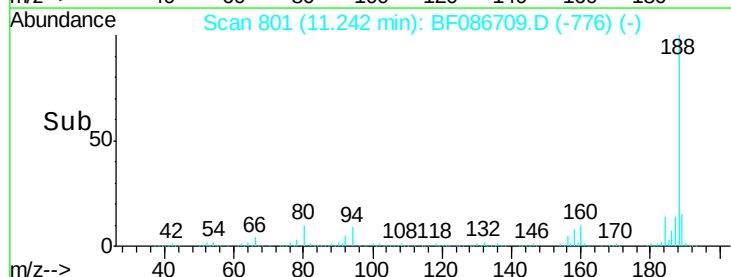
80 10.1 7.1 10.7

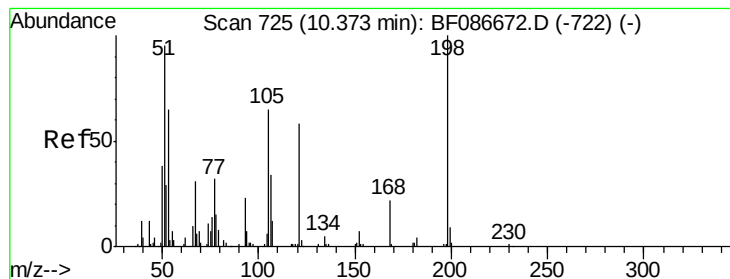


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.50 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.17 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

Instrument :

BNA_F

ClientSampleId :

PB90053TB

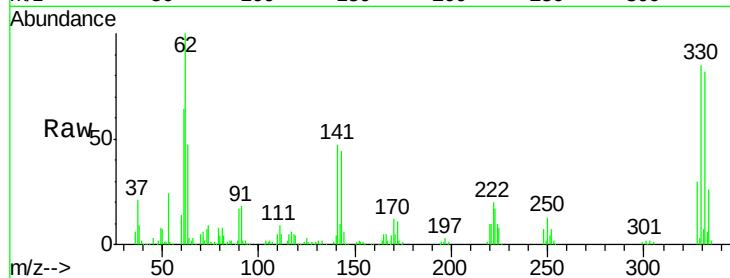
Tgt Ion:198 Resp: 872

Ion Ratio Lower Upper

198 100

51 381.4 20.5 60.5#

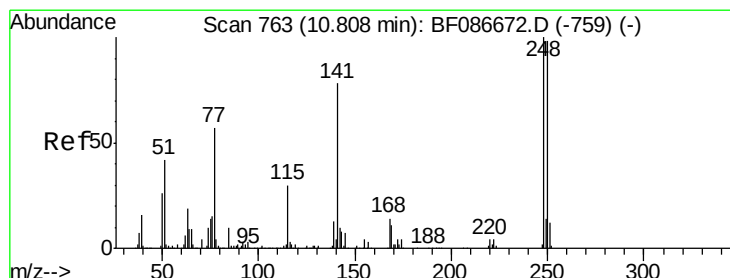
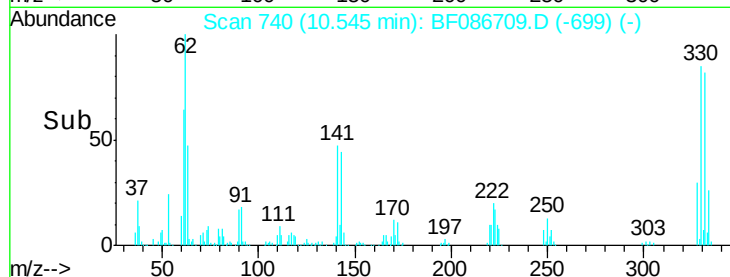
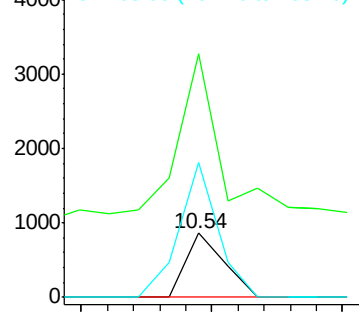
105 211.4 24.5 64.5#



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: 3.38 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.26 min

Lab File: BF086709.D

Acq: 5 May 2016 15:00

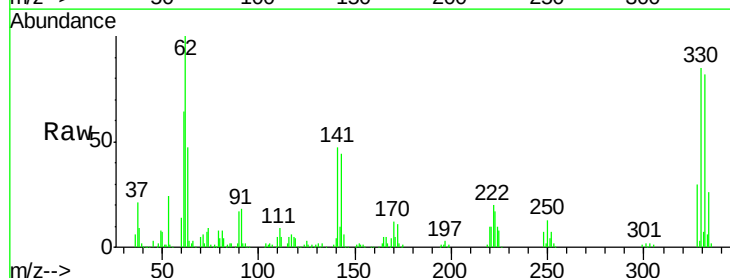
Tgt Ion:248 Resp: 23011

Ion Ratio Lower Upper

248 100

250 188.2 78.6 117.8#

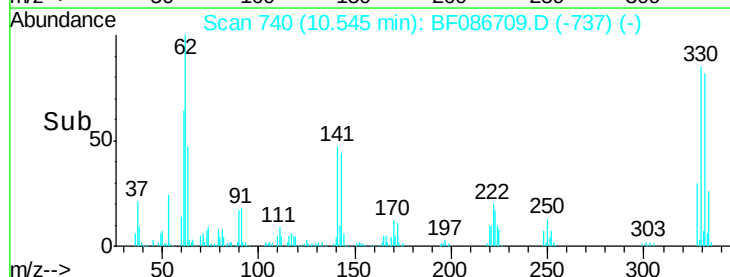
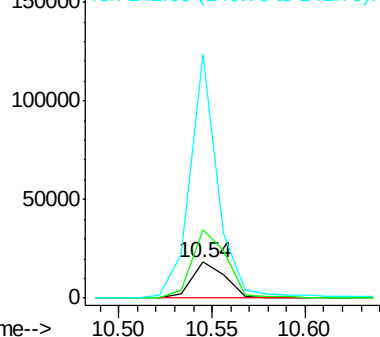
141 675.1 76.0 114.0#

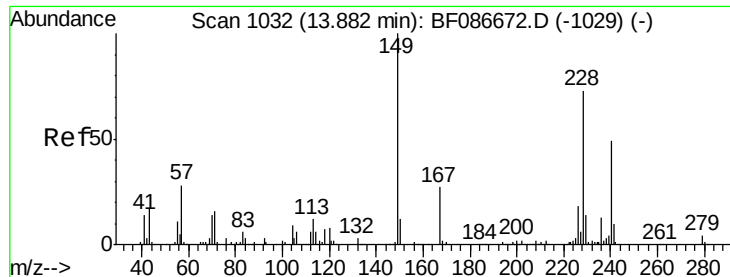


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

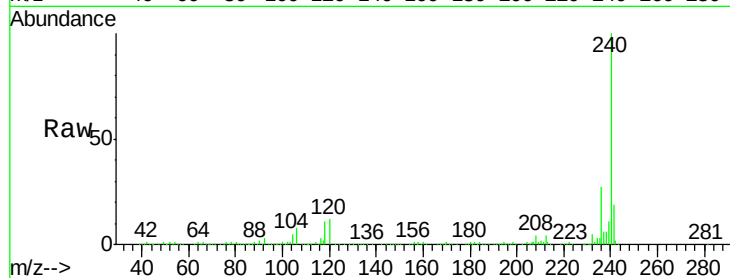




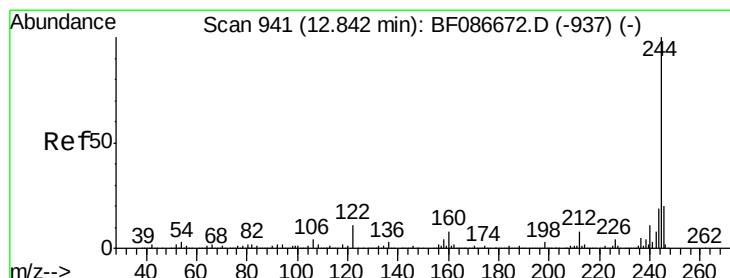
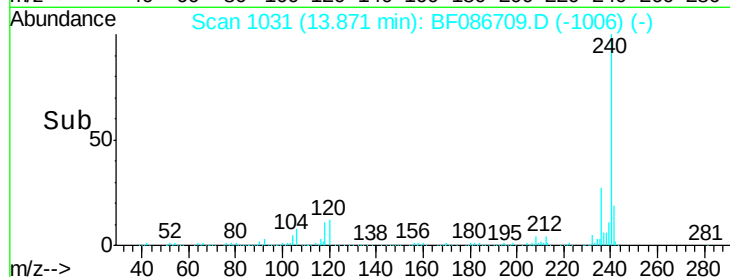
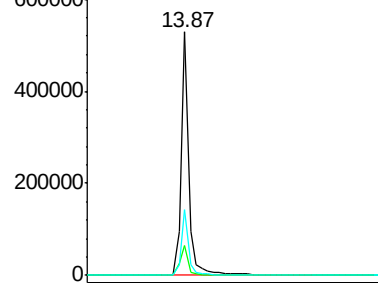
#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF086709.D
Acq: 5 May 2016 15:00

Instrument :
BNA_F
ClientSampleId :
PB90053TB

Tgt Ion:240 Resp: 561349
Ion Ratio Lower Upper
240 100
120 12.5 11.2 16.8
236 27.0 21.2 31.8

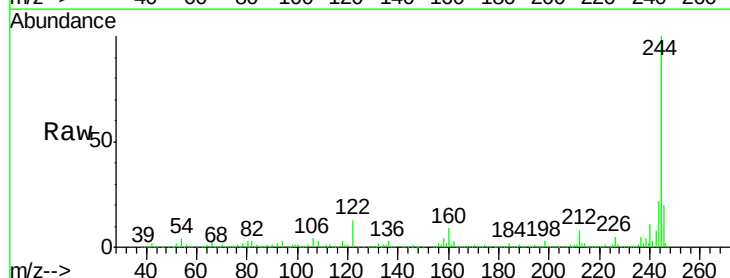


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

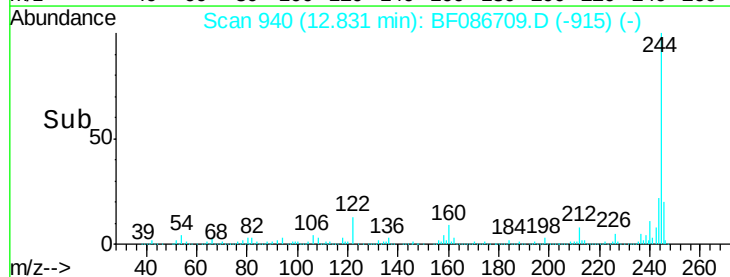
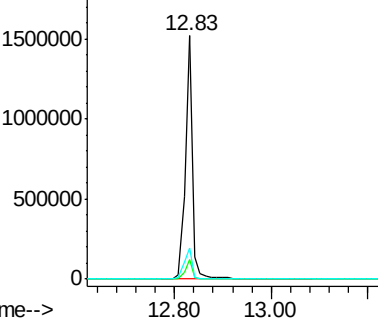


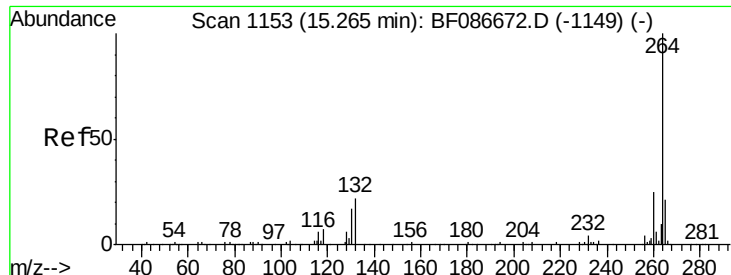
#78
Terphenyl-d14
Concen: 57.73 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF086709.D
Acq: 5 May 2016 15:00

Tgt Ion:244 Resp: 1603521
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 12.6 12.0 18.0



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

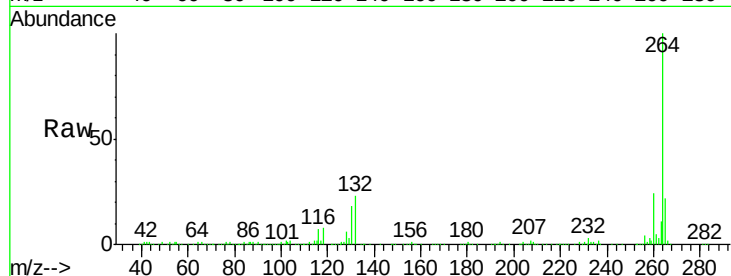




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF086709.D
Acq: 5 May 2016 15:00

Instrument :
BNA_F
ClientSampleId :
PB90053TB

Tgt Ion: 264 Resp: 452346
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.8 17.3 25.9



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

