

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061516\
 Data File : BF088047.D
 Acq On : 15 Jun 2016 21:36
 Operator : UM/SJ
 Sample : H3595-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-06142016

Quant Time: Jun 16 03:09:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

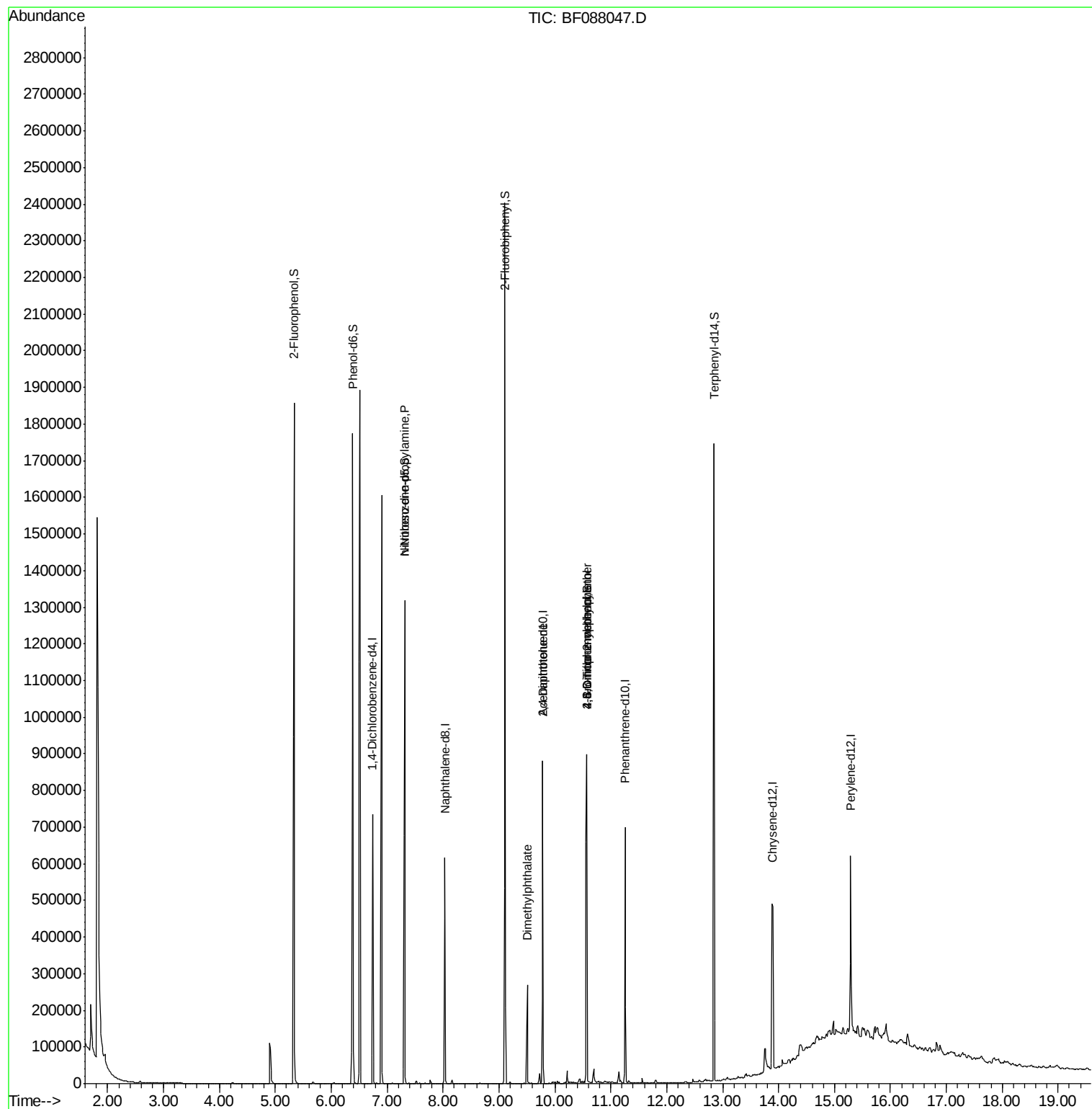
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	106914	20.00	ng	-0.05
21) Naphthalene-d8	8.03	136	391305	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	173097	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	258052	20.00	ng	-0.06
75) Chrysene-d12	13.90	240	222201	20.00	ng	-0.06
86) Perylene-d12	15.29	264	205510	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	615540	98.42	ng	-0.05
7) Phenol-d6	6.39	99	772002	101.86	ng	-0.05
23) Nitrobenzene-d5	7.31	82	502645	75.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	146845	80.34	ng	-0.06
44) 2-Fluorobiphenyl	9.11	172	736231	65.55	ng	-0.06
78) Terphenyl-d14	12.85	244	511396	52.37	ng	-0.06
Target Compounds						
10) Phenol	6.40	94	14081	Below Cal		Qvalue 99
19) n-Nitroso-di-n-propylamine	7.31	70	65084	13.42 ng	#	69
45) 1,1'-Biphenyl	9.11	154	1471	Below Cal	#	1
49) Dimethylphthalate	9.51	163	144120	11.49 ng		98
56) 2,4-Dinitrotoluene	9.78	165	22090	5.99 ng	#	37
57) Fluorene	10.57	166	7435	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.57	198	218	2.29 ng	#	1
66) 4-Bromophenyl-phenylether	10.57	248	9464	3.42 ng	#	1

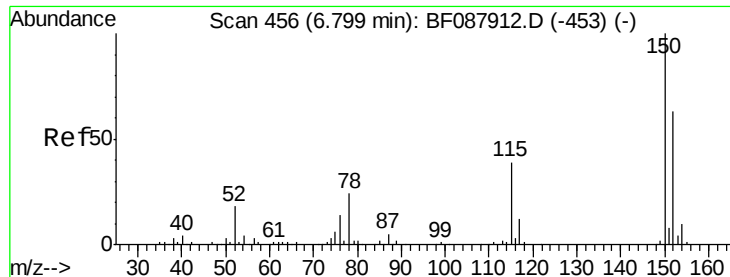
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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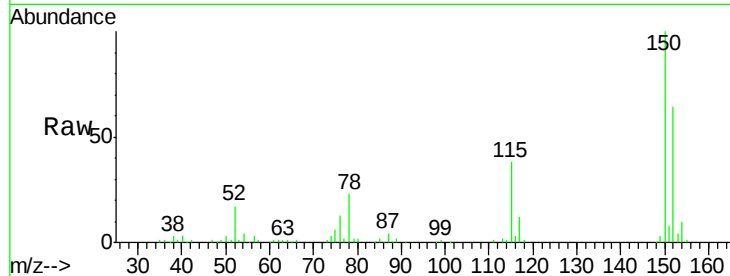


#1

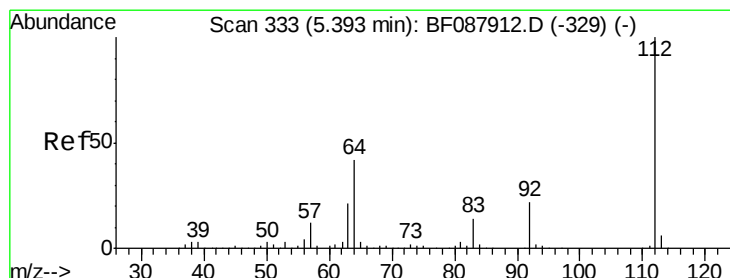
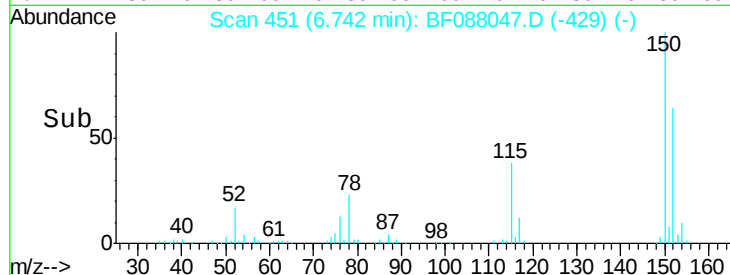
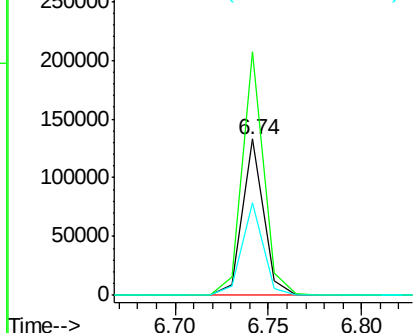
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF088047.D
Acq: 15 Jun 2016 21:36

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-06142016

Tgt Ion:152 Resp: 106914
Ion Ratio Lower Upper
152 100
150 155.9 123.8 185.6
115 59.2 39.6 59.4



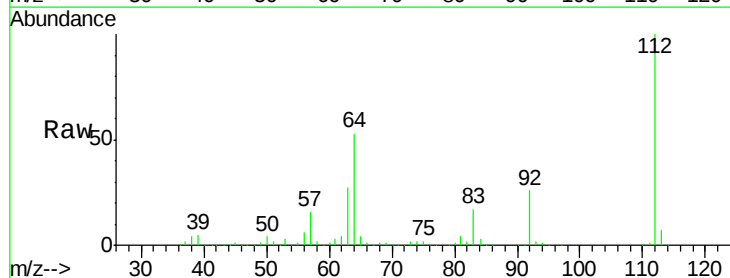
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



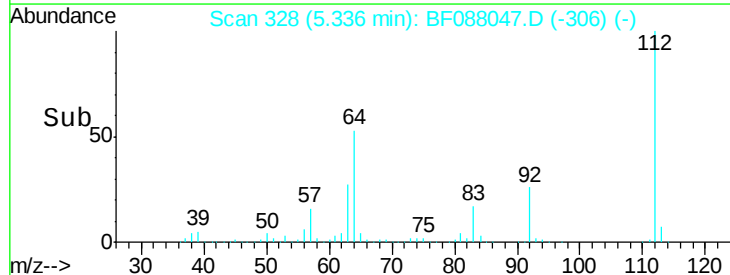
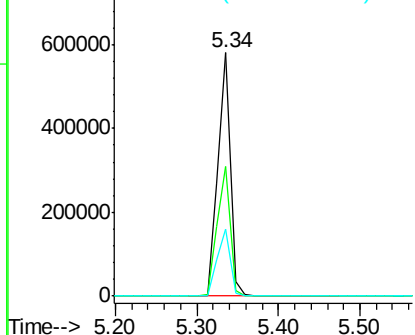
#5

2-Fluorophenol
Concen: 98.42 ng
RT: 5.34 min Scan# 328
Delta R.T. -0.05 min
Lab File: BF088047.D
Acq: 15 Jun 2016 21:36

Tgt Ion:112 Resp: 615540
Ion Ratio Lower Upper
112 100
64 53.0 42.2 63.2
63 27.3 21.8 32.8



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: 101.86 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-06142016

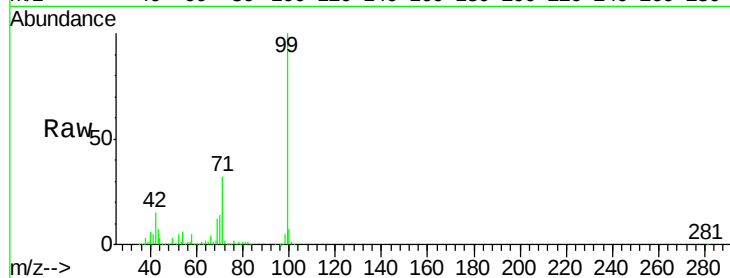
Tgt Ion: 99 Resp: 772002

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

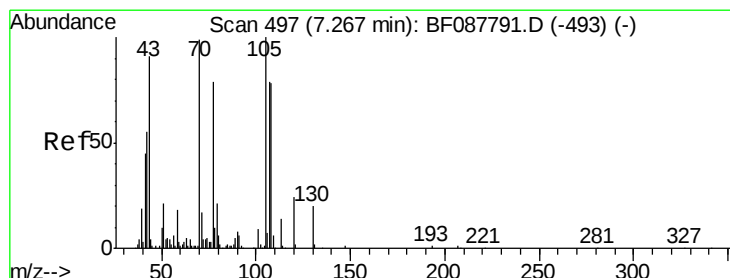
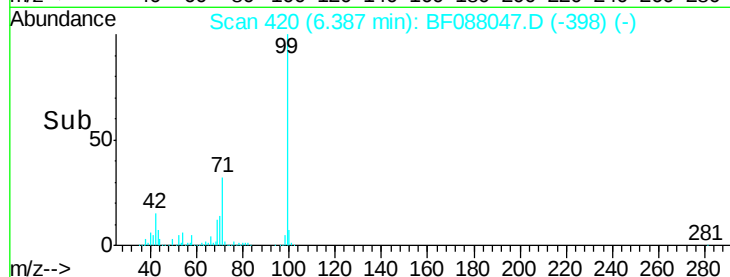
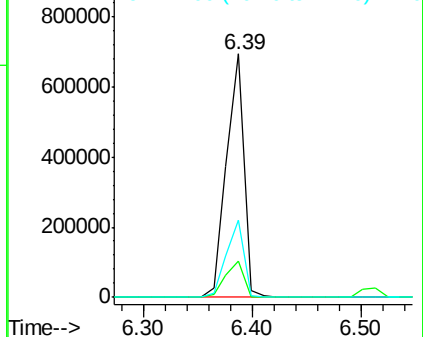
71 31.8 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.42 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.09 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

Tgt Ion: 70 Resp: 65084

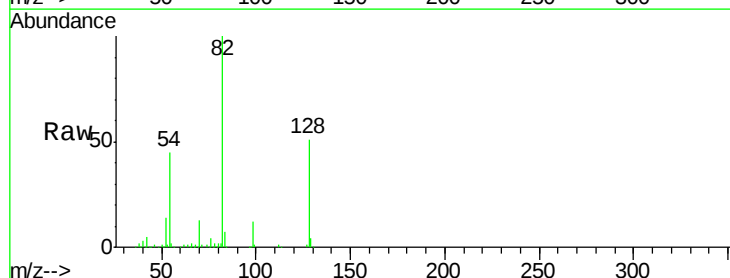
Ion Ratio Lower Upper

70 100

42 39.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#

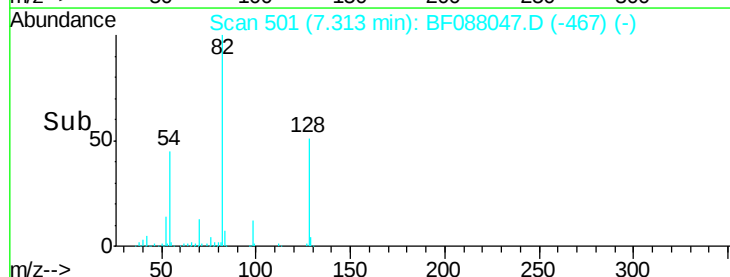
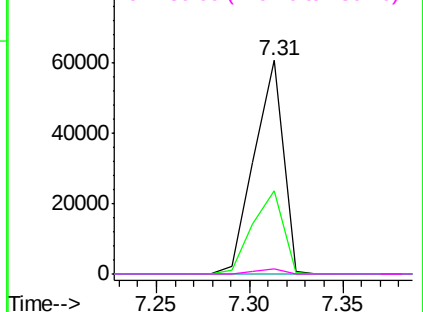


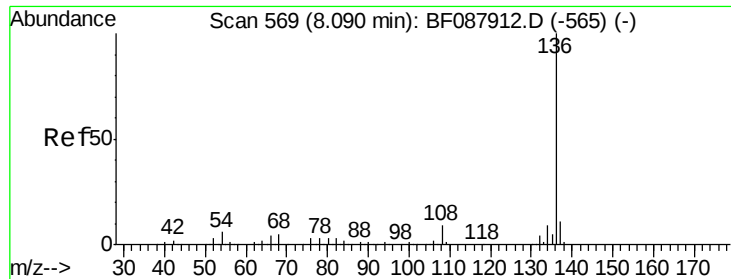
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

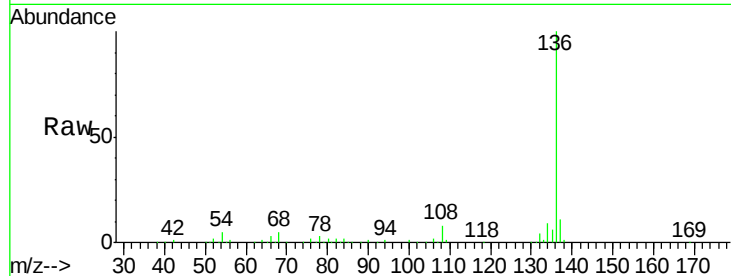




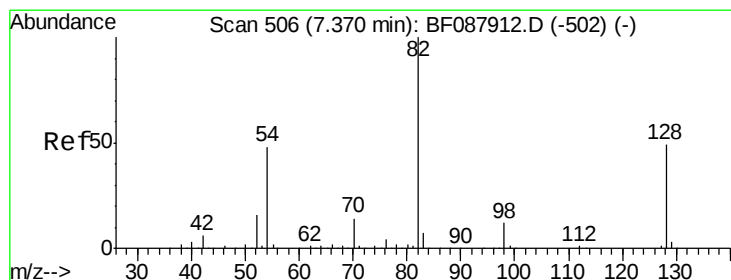
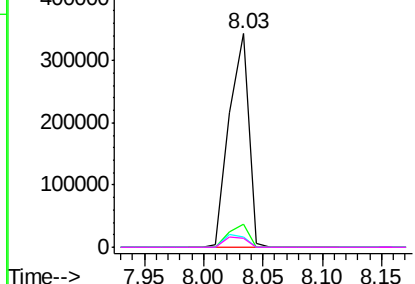
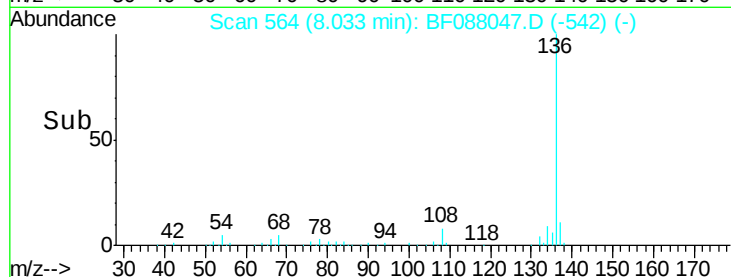
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.05 min
Lab File: BF088047.D
Acq: 15 Jun 2016 21:36

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-06142016

Tgt Ion:	136	Resp:	391305
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	4.8	6.6	10.0#
68	4.5	5.1	7.7#

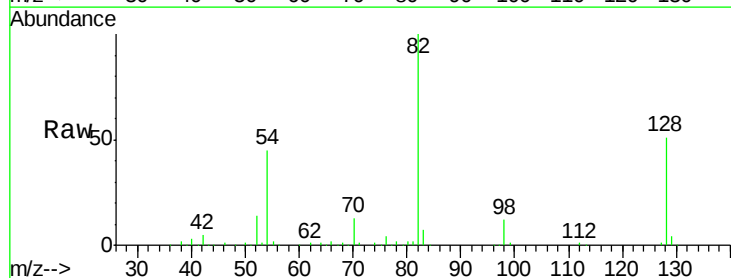


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

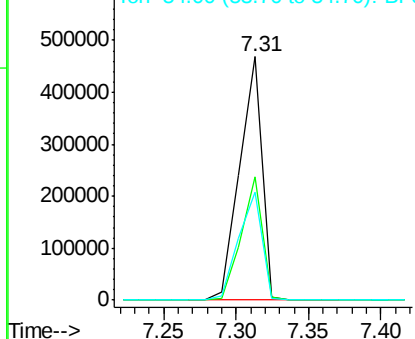
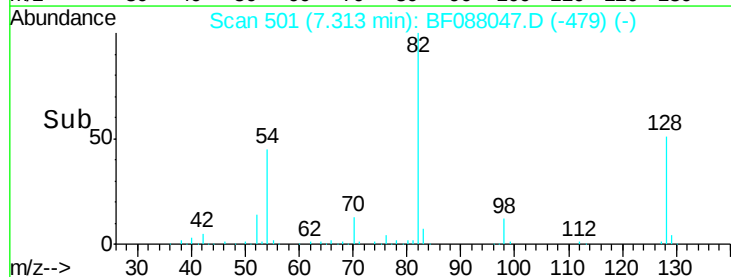


#23
Nitrobenzene-d5
Concen: 75.01 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.05 min
Lab File: BF088047.D
Acq: 15 Jun 2016 21:36

Tgt Ion:	82	Resp:	502645
Ion	Ratio	Lower	Upper
82	100		
128	50.7	35.9	53.9
54	44.5	40.9	61.3



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: 9.78 min Scan# 717

Delta R.T. -0.06 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-06142016

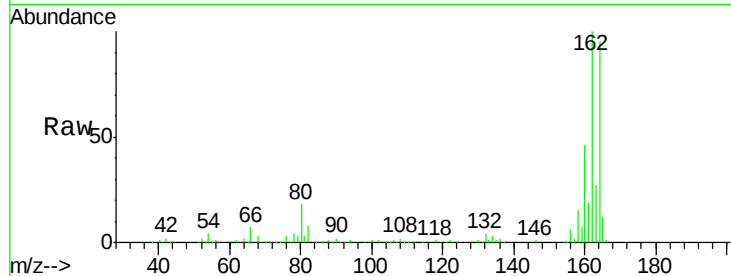
Tgt Ion:164 Resp: 173097

Ion Ratio Lower Upper

164 100

162 105.2 85.4 128.2

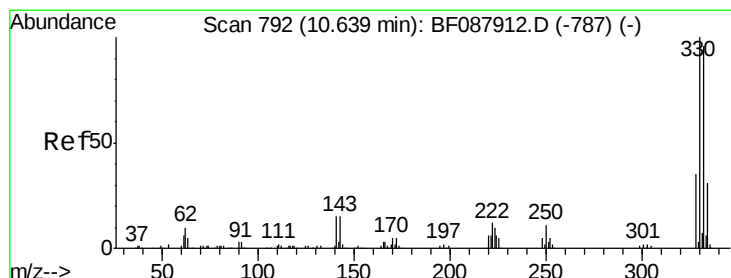
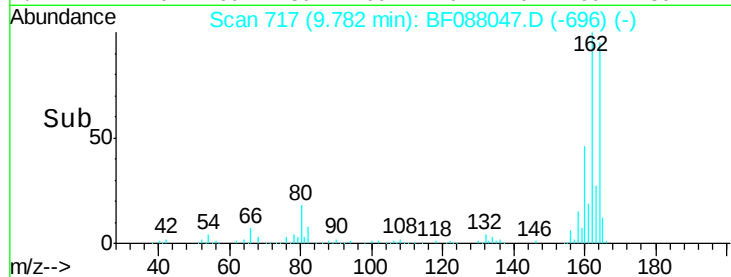
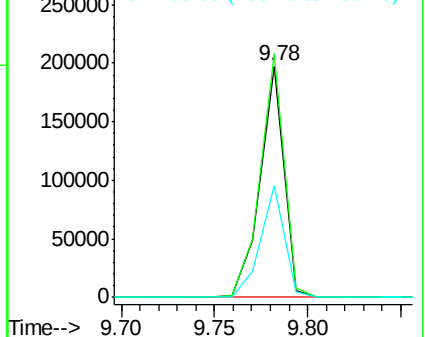
160 48.4 39.5 59.3



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: 80.34 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.06 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

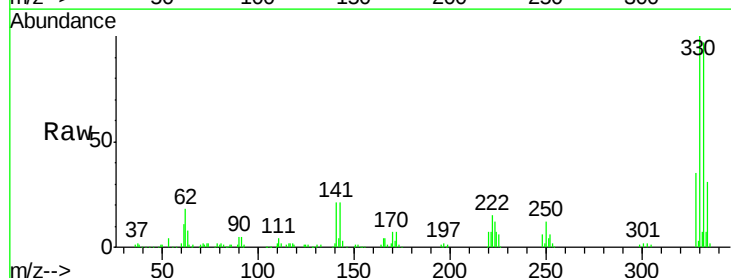
Tgt Ion:330 Resp: 146845

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

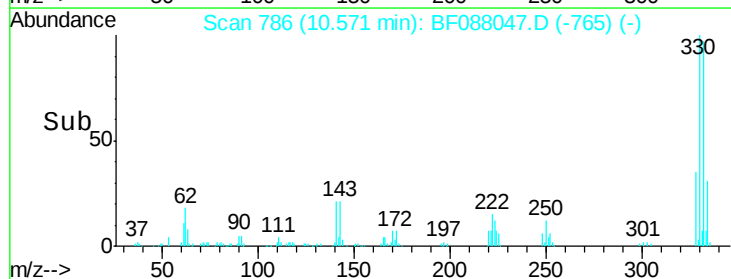
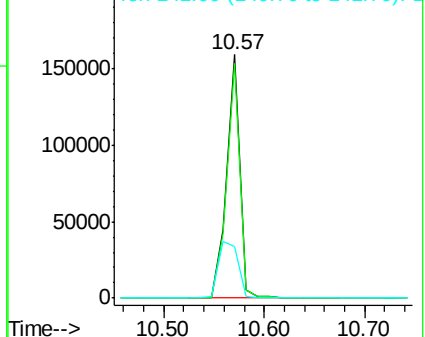
141 34.7 0.0 0.0#

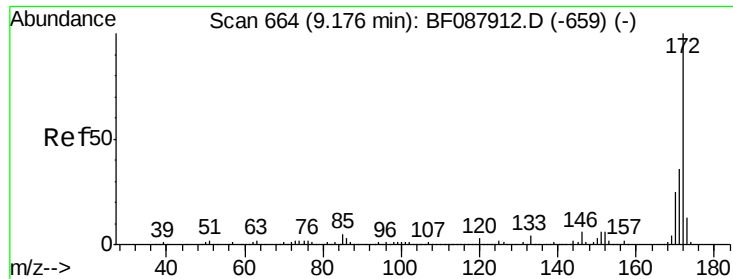


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 65.55 ng

RT: 9.11 min Scan# 658

Delta R.T. -0.06 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

Instrument :

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ClientSampleId :

TILCON-GF-06142016

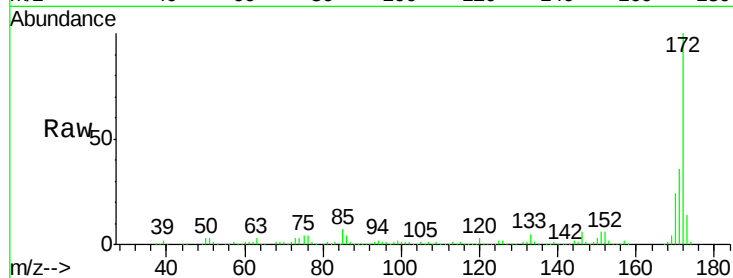
Tgt Ion:172 Resp: 736231

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

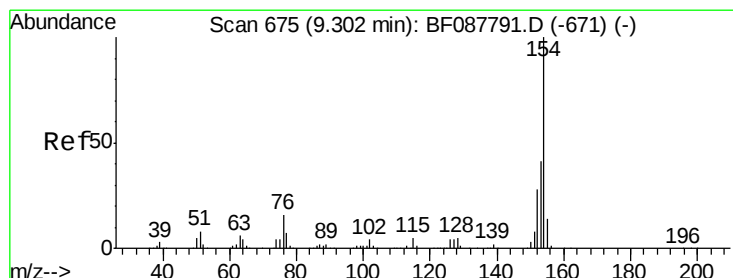
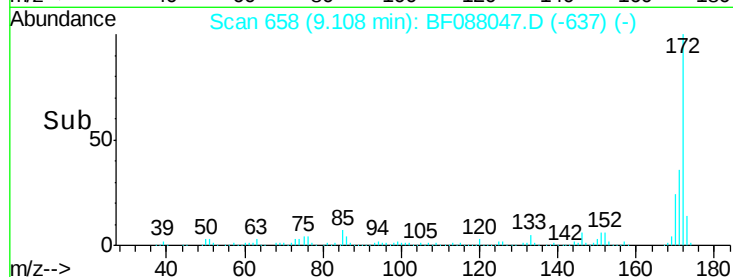
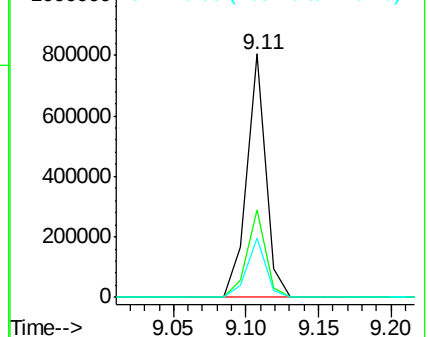
170 24.3 19.2 28.8



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



#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.11 min Scan# 658

Delta R.T. -0.16 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

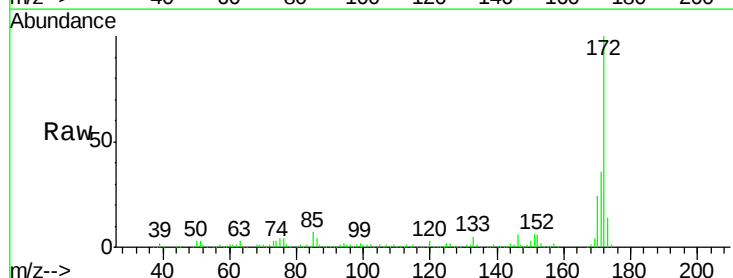
Tgt Ion:154 Resp: 1471

Ion Ratio Lower Upper

154 100

153 851.7 20.6 60.6#

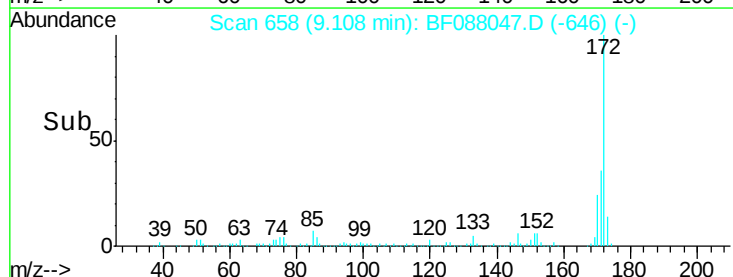
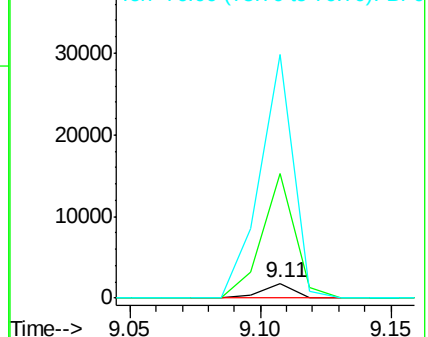
76 1671.7 0.0 35.1#

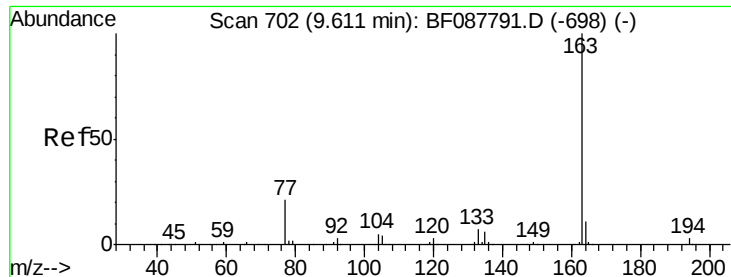


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

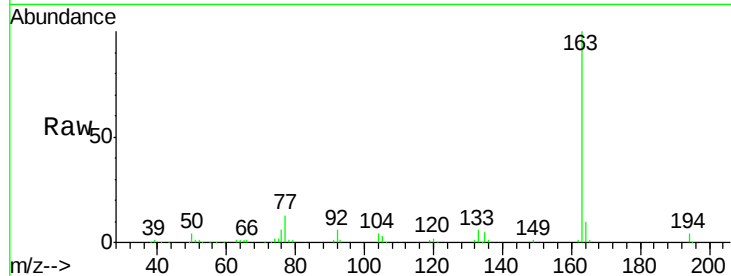




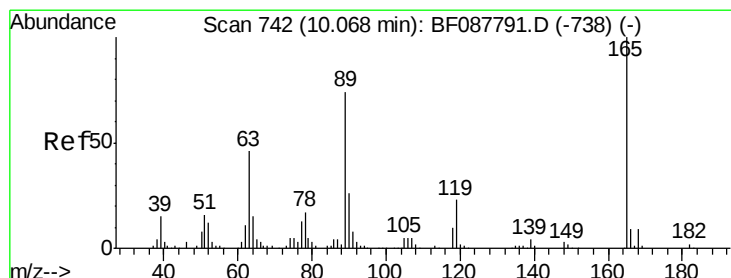
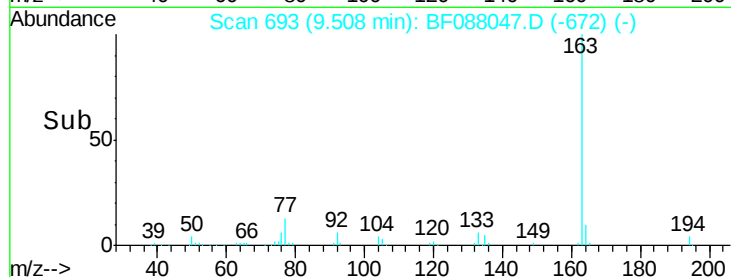
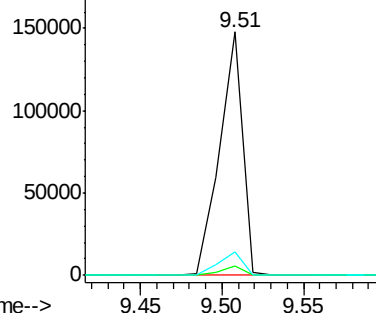
#49
Dimethylphthalate
Concen: 11.49 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.06 min
Lab File: BF088047.D
Acq: 15 Jun 2016 21:36

Instrument :
BNA_F
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TILCON-GF-06142016

Tgt Ion:163 Resp: 144120
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.5 8.3 12.5

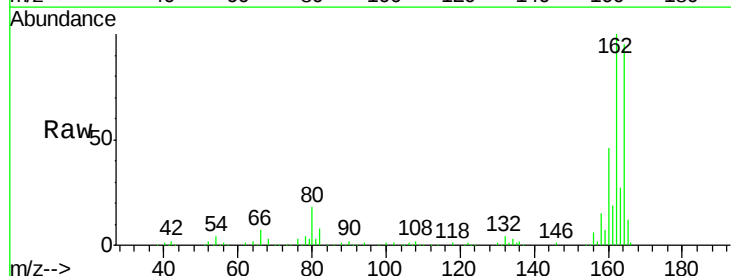


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

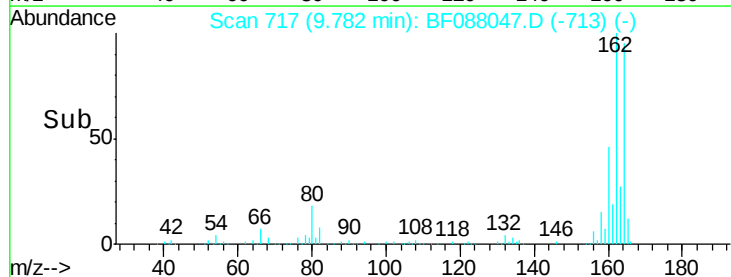
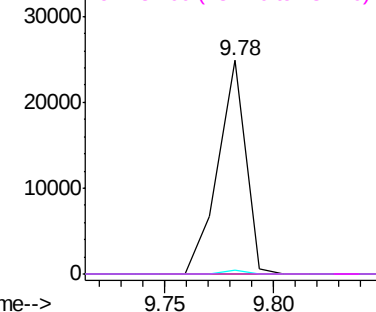


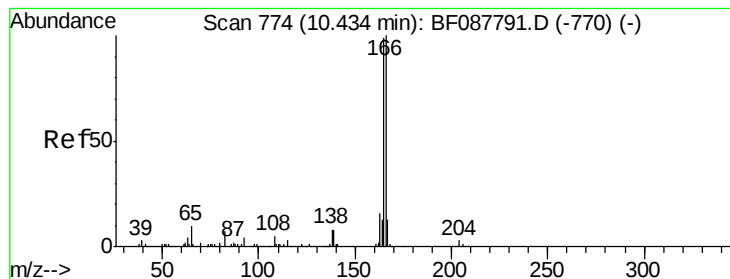
#56
2,4-Dinitrotoluene
Concen: 5.99 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.25 min
Lab File: BF088047.D
Acq: 15 Jun 2016 21:36

Tgt Ion:165 Resp: 22090
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 1.5 41.1 61.7#
182 0.0 2.0 3.0#



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
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.57 min Scan# 786

Delta R.T. 0.18 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-06142016

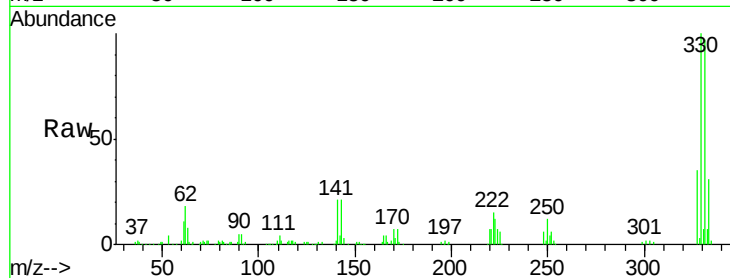
Tgt Ion:166 Resp: 7435

Ion Ratio Lower Upper

166 100

165 102.1 77.8 116.8

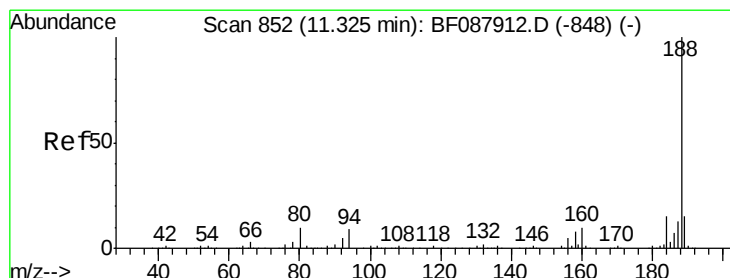
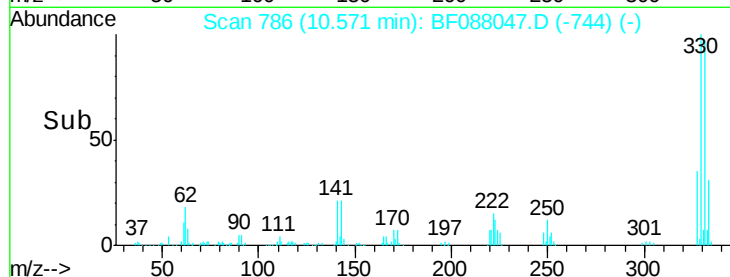
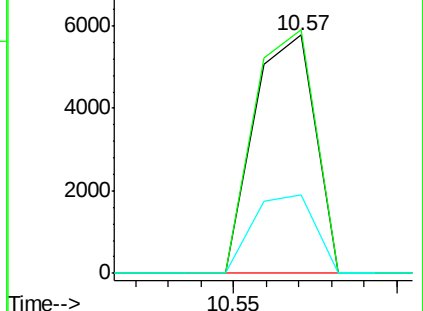
167 33.0 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.06 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

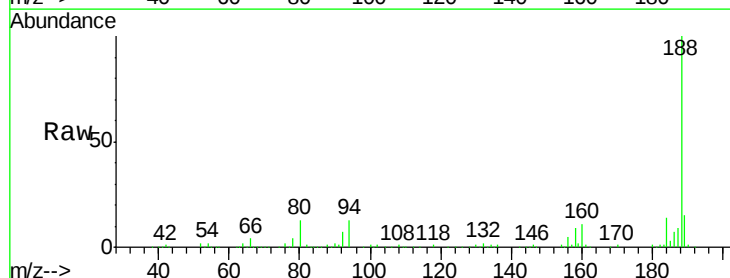
Tgt Ion:188 Resp: 258052

Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.6

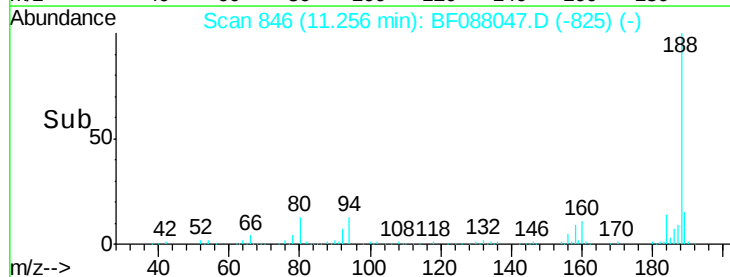
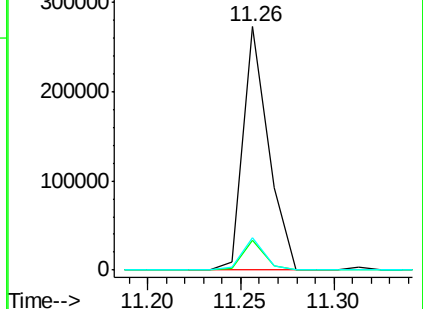
80 13.3 10.0 15.0

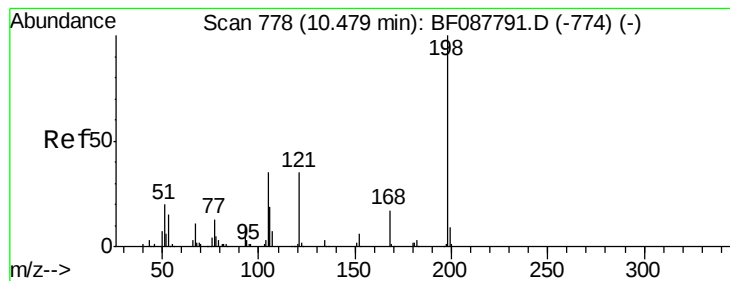


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.29 ng

RT: 10.57 min Scan# 786

Delta R.T. 0.14 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-06142016

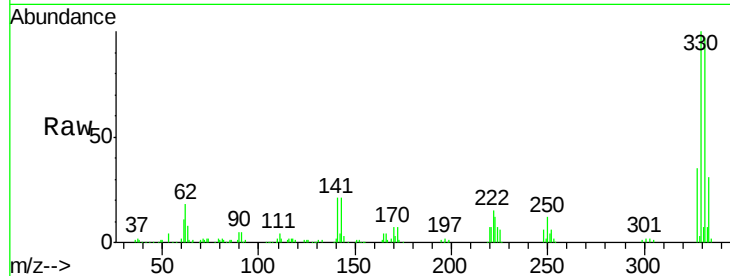
Tgt Ion:198 Resp: 218

Ion Ratio Lower Upper

198 100

51 0.0 39.6 79.6#

105 150.0 36.6 76.6#



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

800

600

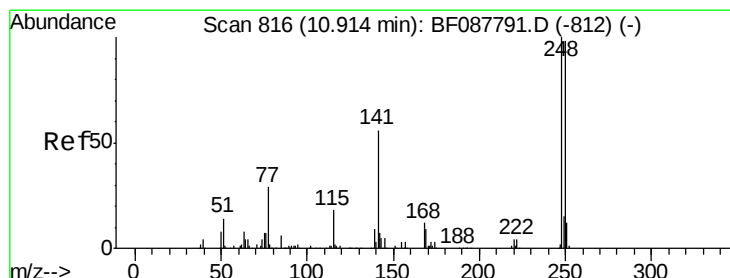
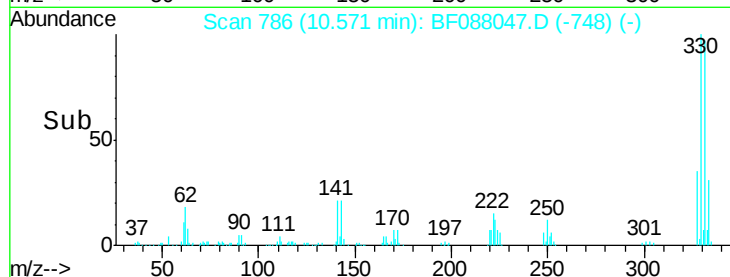
400

200

0

10.55 10.57 10.60

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.42 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.30 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

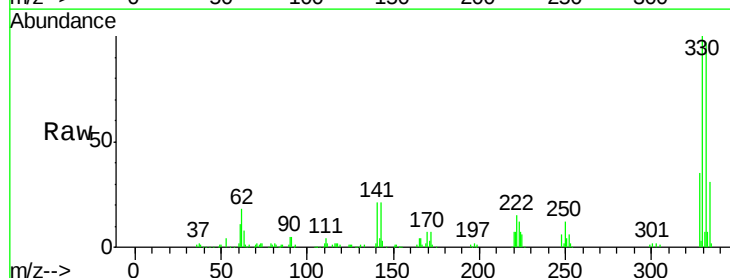
Tgt Ion:248 Resp: 9464

Ion Ratio Lower Upper

248 100

250 201.0 77.1 115.7#

141 366.5 50.6 76.0#



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

50000

40000

30000

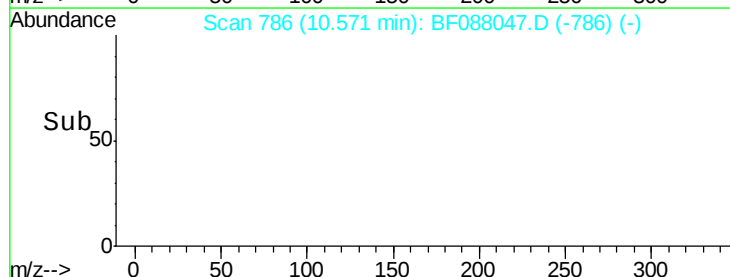
20000

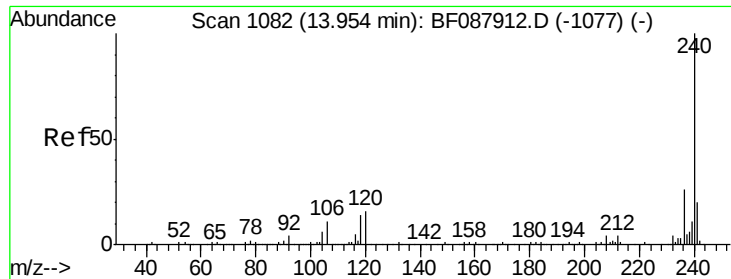
10000

0

10.55 10.57 10.60

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1077

Delta R.T. -0.06 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-06142016

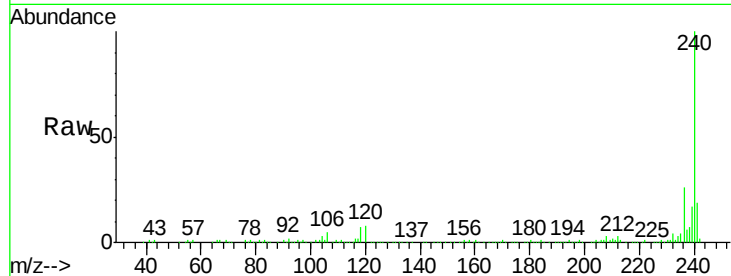
Tgt Ion:240 Resp: 222201

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

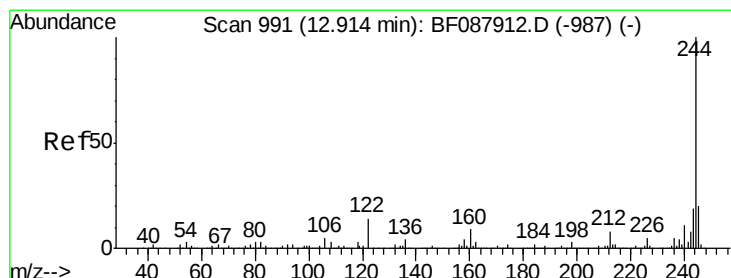
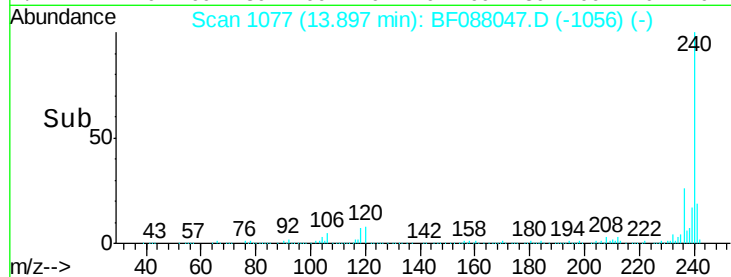
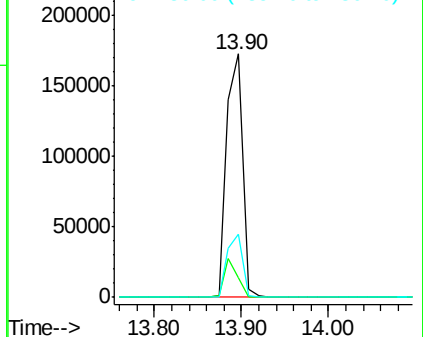
236 25.8 20.2 30.2



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: 52.37 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.06 min

Lab File: BF088047.D

Acq: 15 Jun 2016 21:36

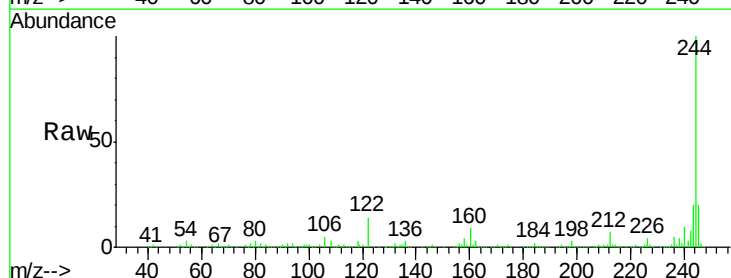
Tgt Ion:244 Resp: 511396

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

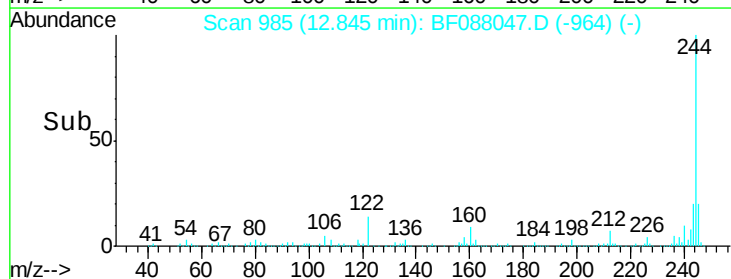
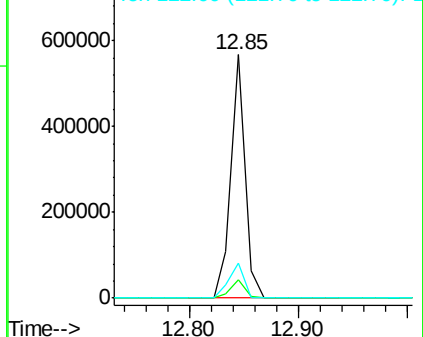
122 14.4 11.2 16.8

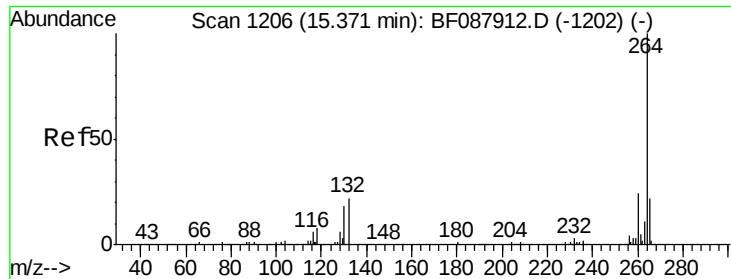


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1199
Delta R.T. -0.07 min
Lab File: BF088047.D
Acq: 15 Jun 2016 21:36

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-06142016

Tgt Ion:	264	Resp:	205510
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	16.9	25.3

