

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
 Data File : BF088792.D
 Acq On : 7 Jul 2016 21:39
 Operator : UM/SJ
 Sample : H3830-02RE
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-016RE

Quant Time: Jul 08 01:43:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

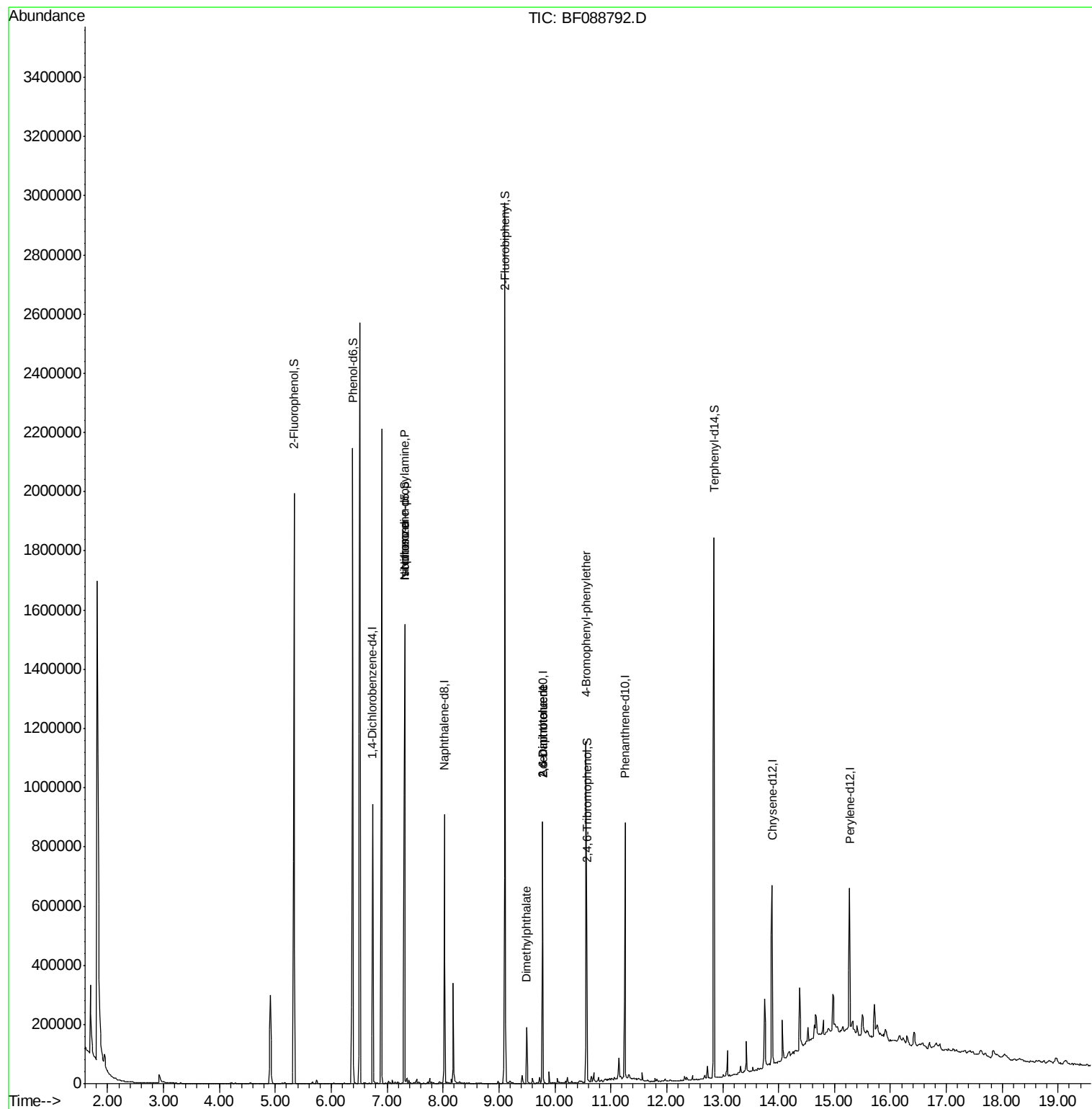
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	126801	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	451426	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	200103	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	311121	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	251479	20.00	ng	-0.03
86) Perylene-d12	15.27	264	201976	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	651225	76.97	ng	-0.03
7) Phenol-d6	6.39	99	904839	82.77	ng	-0.02
23) Nitrobenzene-d5	7.31	82	669982	77.78	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	170320	91.66	ng	-0.03
44) 2-Fluorobiphenyl	9.11	172	864077	68.21	ng	-0.03
78) Terphenyl-d14	12.85	244	658162	58.29	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	91748	12.49	ng	# 69
25) Isophorone	7.31	82	616210	38.62	ng	# 65
49) Dimethylphthalate	9.50	163	76627	5.38	ng	99
50) 2,6-Dinitrotoluene	9.78	165	25636	8.11	ng	# 40
56) 2,4-Dinitrotoluene	9.78	165	25636	6.21	ng	# 39
66) 4-Bromophenyl-phenylether	10.56	248	10173	3.24	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. -0.03 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016RE

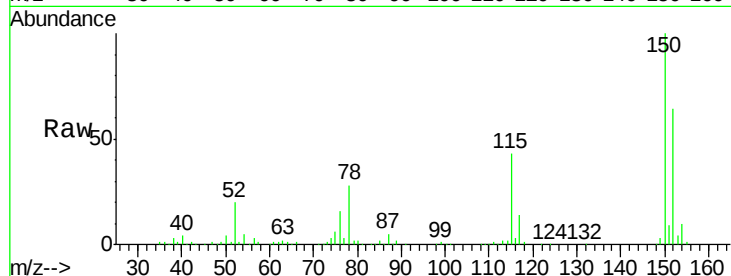
Tgt Ion:152 Resp: 126801

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

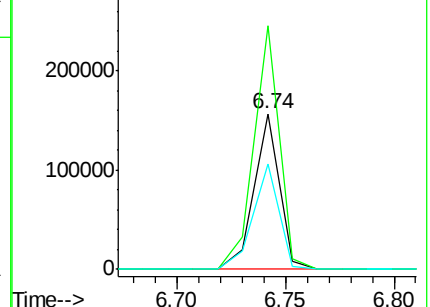
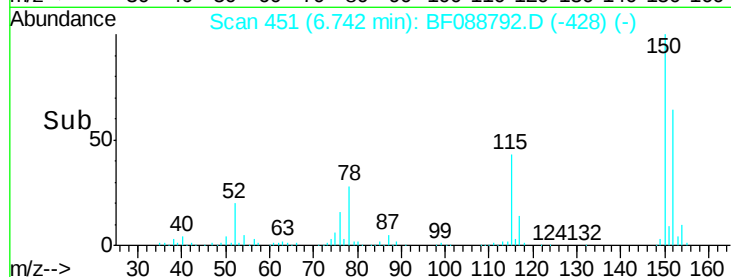
115 67.3 39.6 59.4#



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: 76.97 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.03 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

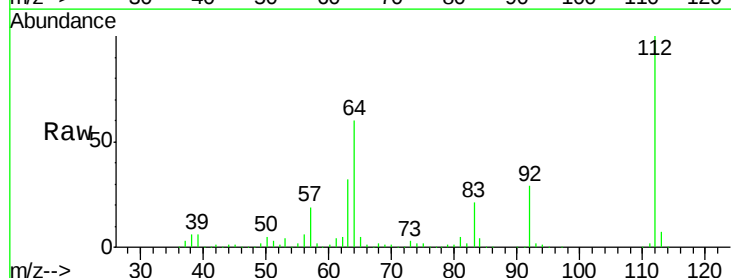
Tgt Ion:112 Resp: 651225

Ion Ratio Lower Upper

112 100

64 60.4 42.2 63.2

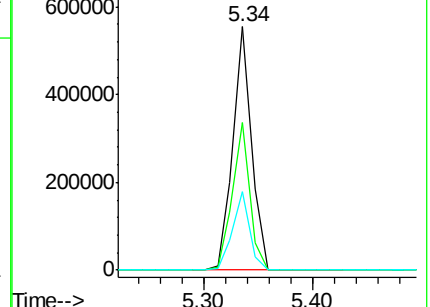
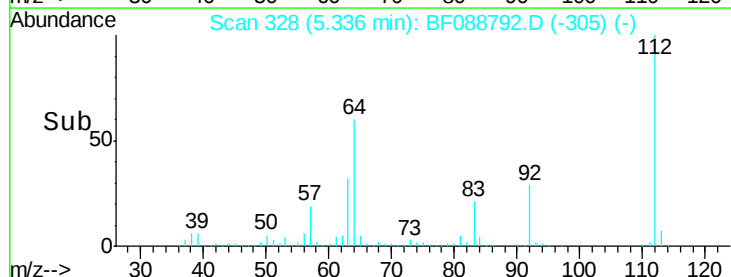
63 32.3 21.8 32.8



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: 82.77 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016RE

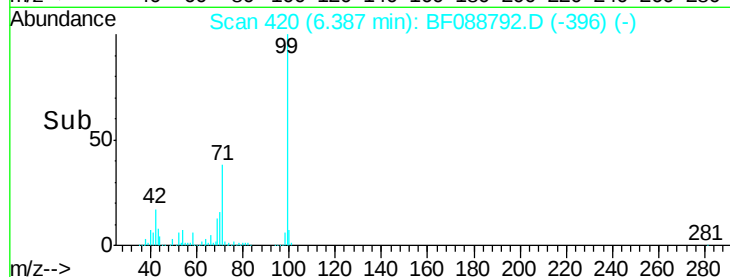
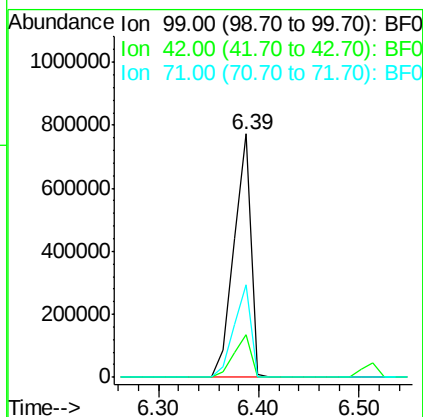
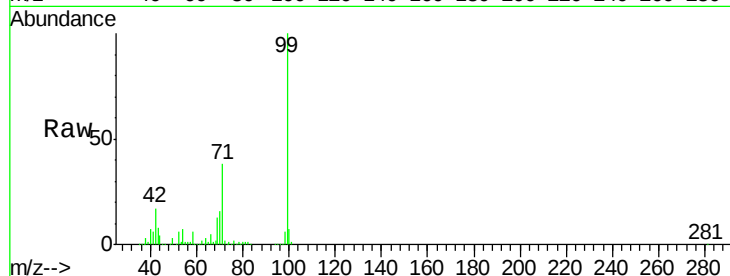
Tgt Ion: 99 Resp: 904839

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

71 37.9 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 12.49 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.11 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

Tgt Ion: 70 Resp: 91748

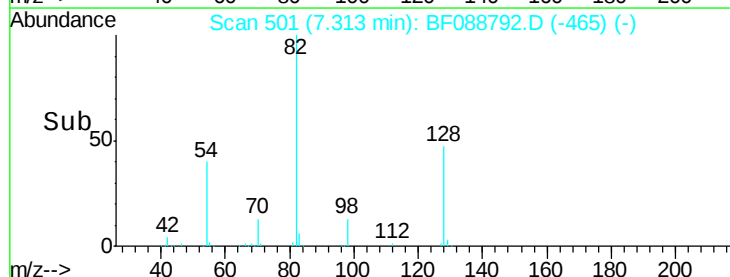
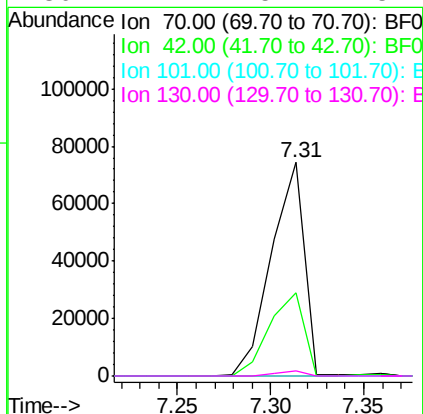
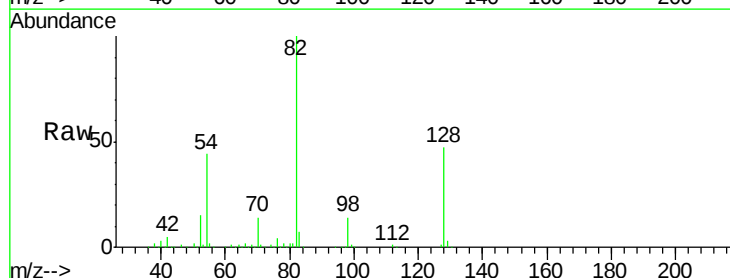
Ion Ratio Lower Upper

70 100

42 38.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.05 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016RE

Tgt Ion:136 Resp: 451426

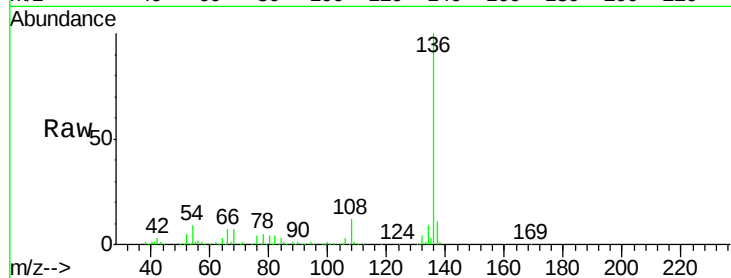
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.4 6.6 10.0

68 7.4 5.1 7.7

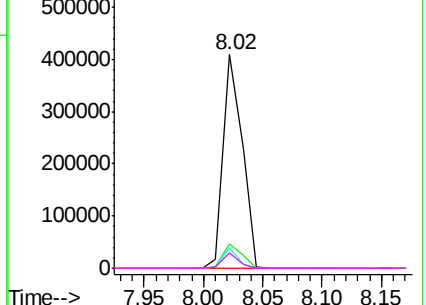
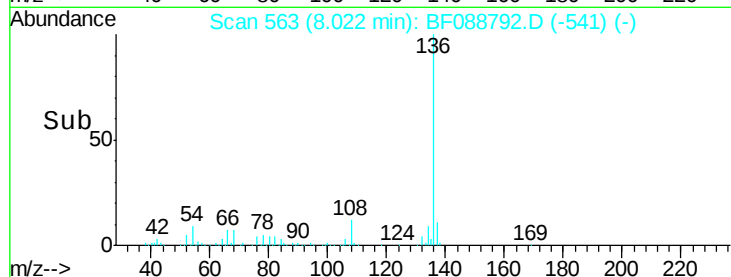


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.78 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.03 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

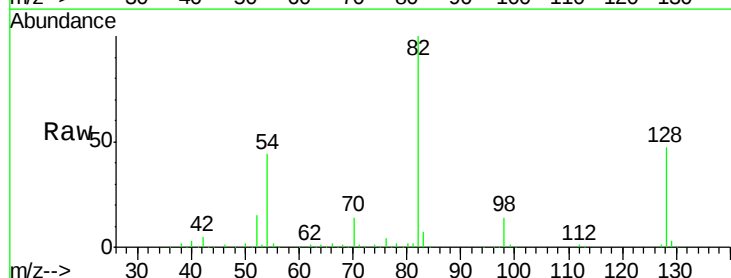
Tgt Ion: 82 Resp: 669982

Ion Ratio Lower Upper

82 100

128 46.5 35.9 53.9

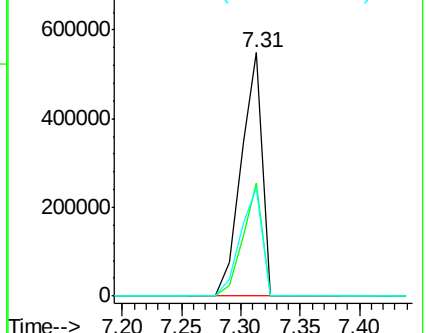
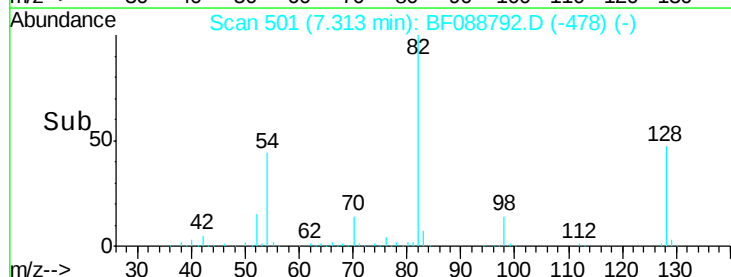
54 44.1 40.9 61.3

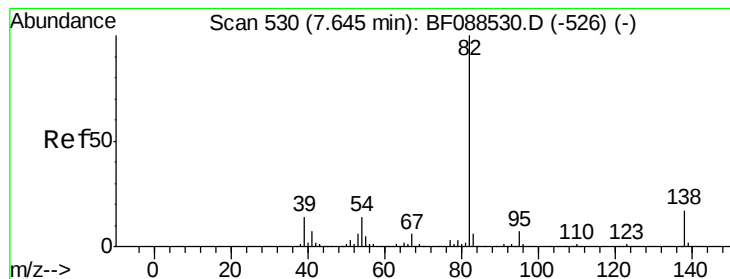


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.62 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.30 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016RE

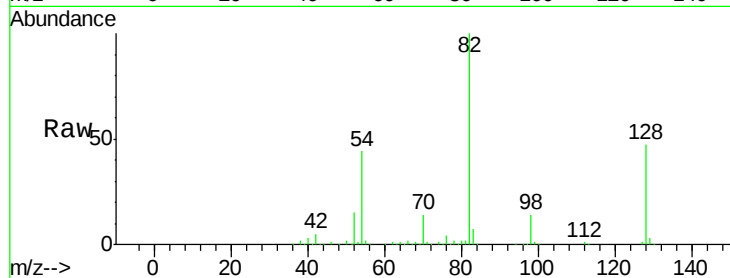
Tgt Ion: 82 Resp: 616210

Ion Ratio Lower Upper

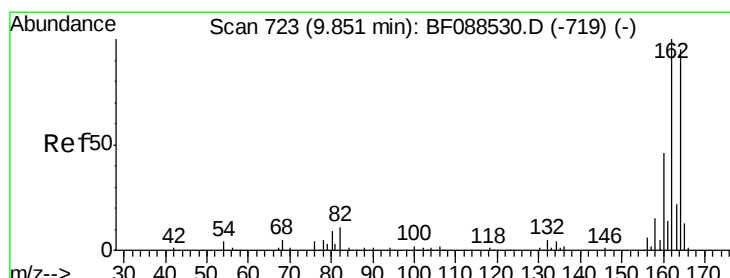
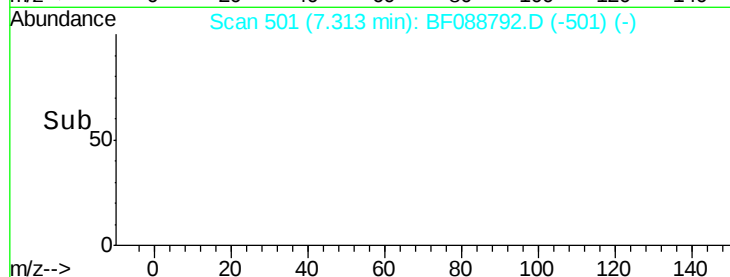
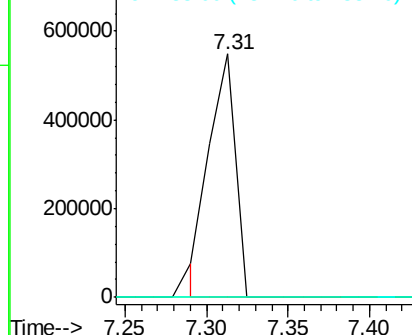
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.03 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

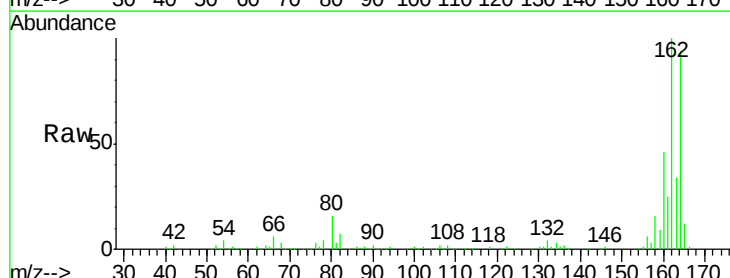
Tgt Ion: 164 Resp: 200103

Ion Ratio Lower Upper

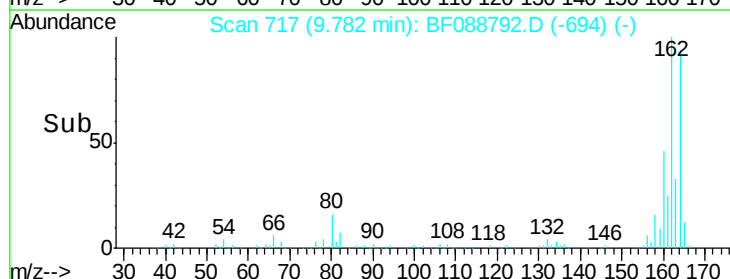
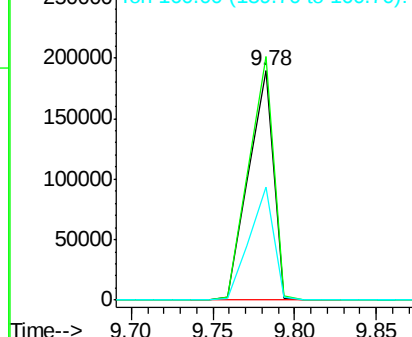
164 100

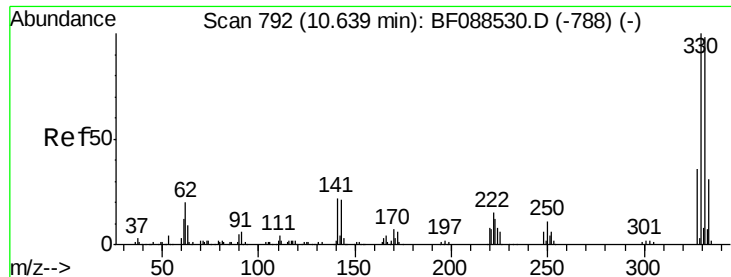
162 106.3 85.4 128.2

160 49.3 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

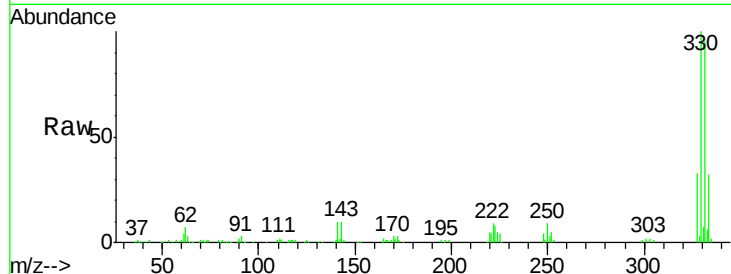




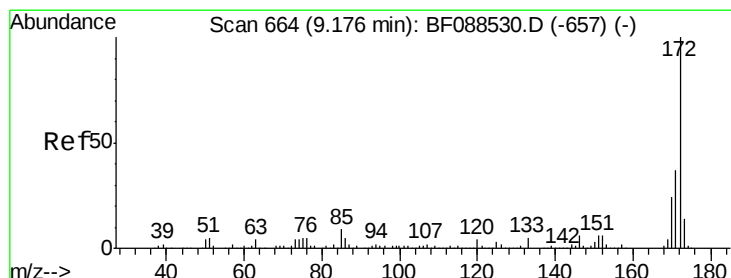
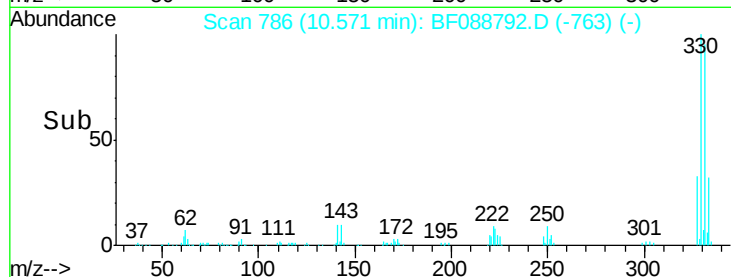
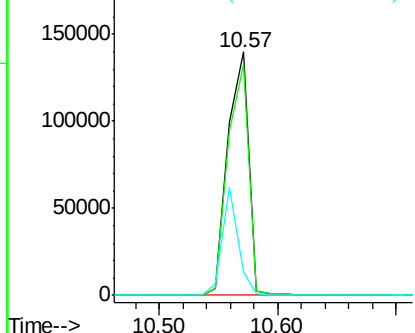
#41
 2,4,6-Tribromophenol
 Concen: 91.66 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.03 min
 Lab File: BF088792.D
 Acq: 7 Jul 2016 21:39

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-016RE

Tgt Ion:330 Resp: 170320
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 33.6 0.0 0.0#

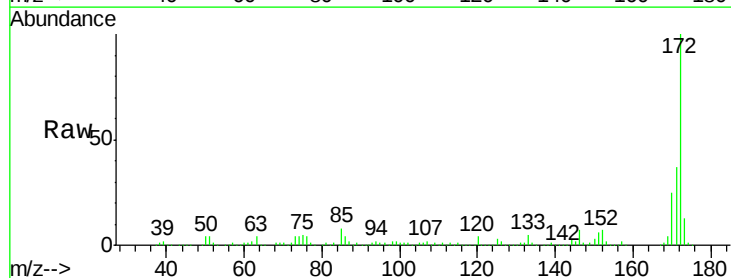


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

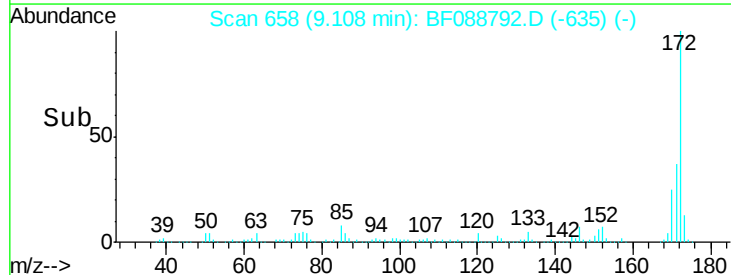
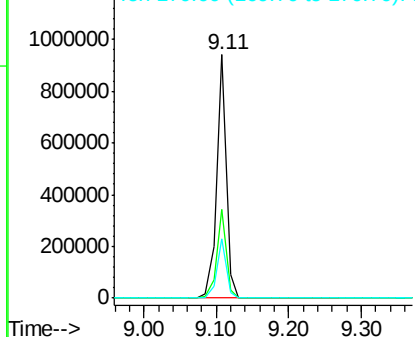


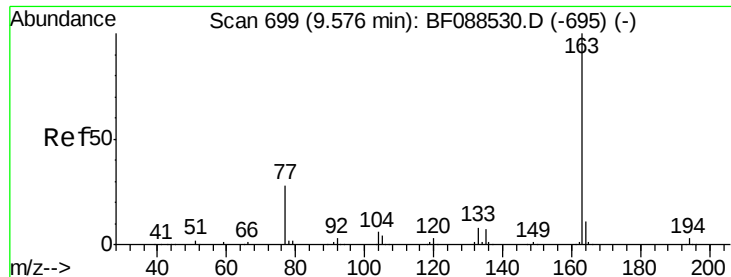
#44
 2-Fluorobiphenyl
 Concen: 68.21 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.03 min
 Lab File: BF088792.D
 Acq: 7 Jul 2016 21:39

Tgt Ion:172 Resp: 864077
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.6 43.0
 170 24.5 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





#49

Dimethylphthalate

Concen: 5.38 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.05 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016RE

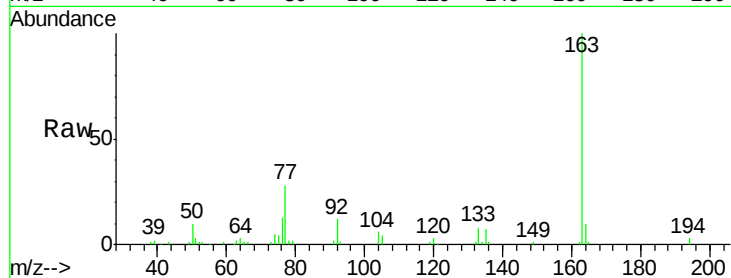
Tgt Ion:163 Resp: 76627

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

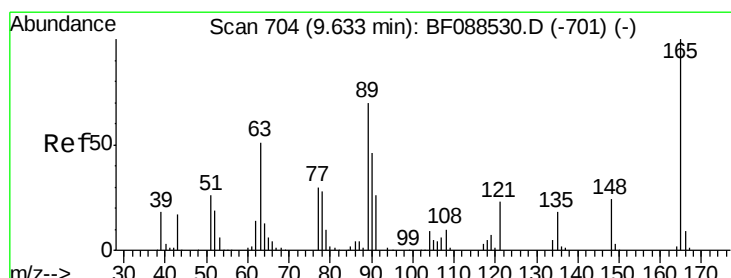
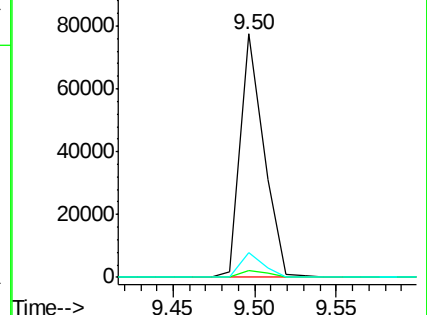
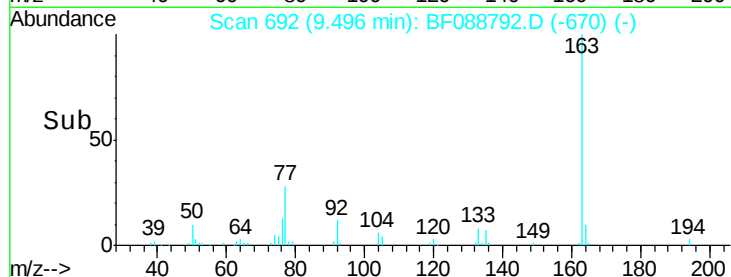
164 10.1 8.3 12.5



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: 8.11 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.18 min

Lab File: BF088792.D

Acq: 7 Jul 2016 21:39

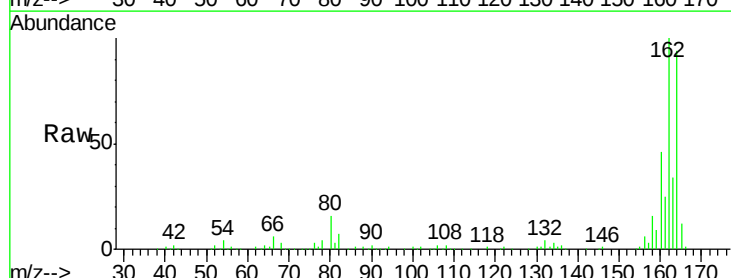
Tgt Ion:165 Resp: 25636

Ion Ratio Lower Upper

165 100

63 1.7 28.1 42.1#

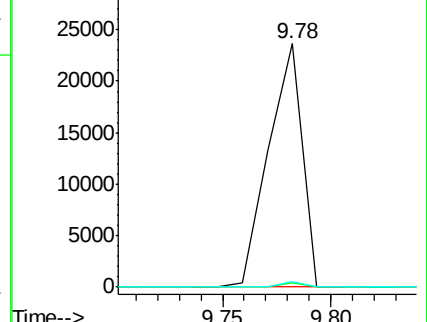
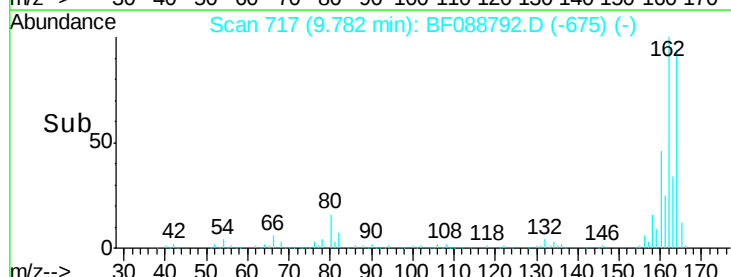
89 2.1 32.2 48.2#

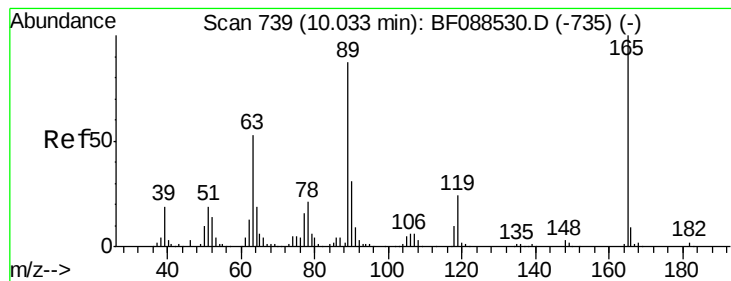


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

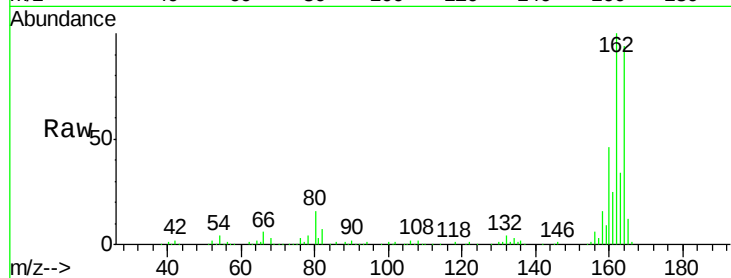




#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.22 min
 Lab File: BF088792.D
 Acq: 7 Jul 2016 21:39

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-016RE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	22.0	33.0#
89	2.1	41.1	61.7#
182	0.0	2.0	3.0#

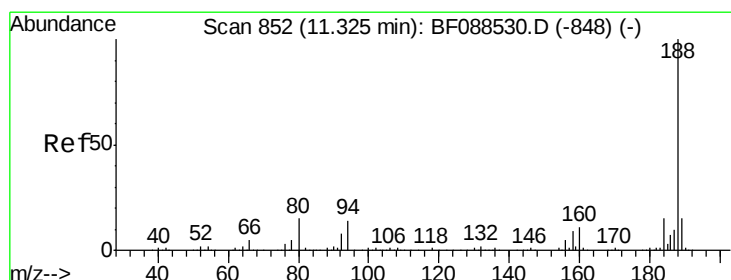
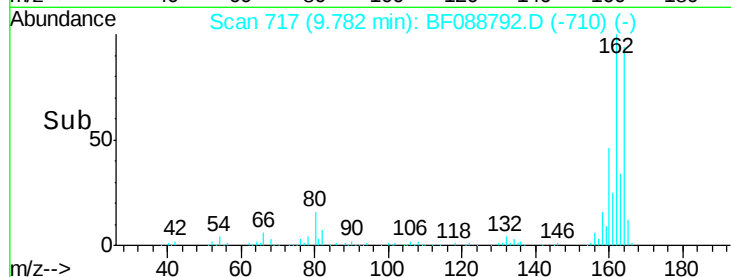
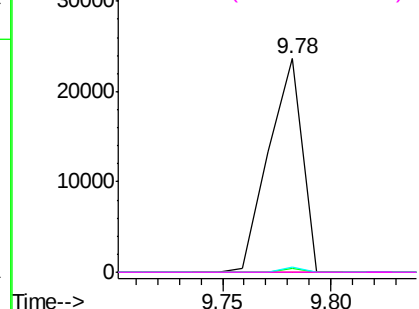


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

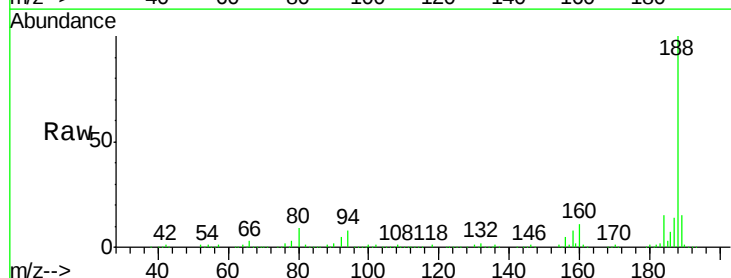
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.03 min
 Lab File: BF088792.D
 Acq: 7 Jul 2016 21:39

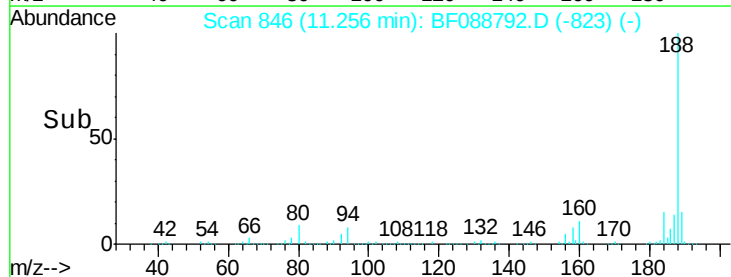
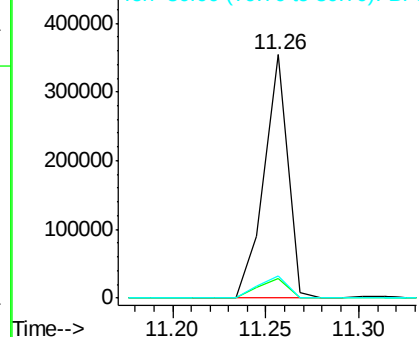
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	9.0	13.6#
80	9.2	10.0	15.0#

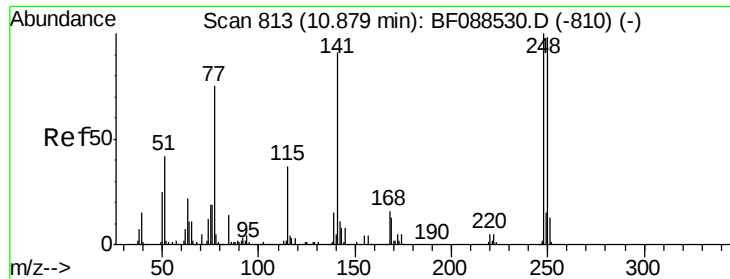


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

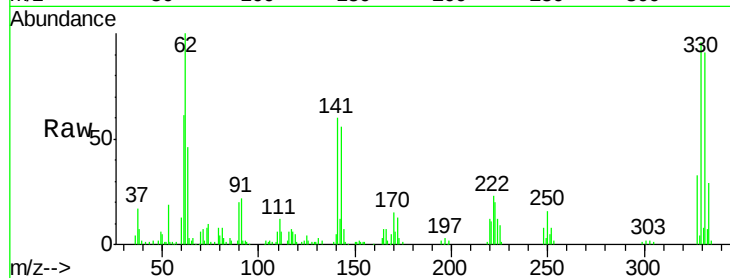




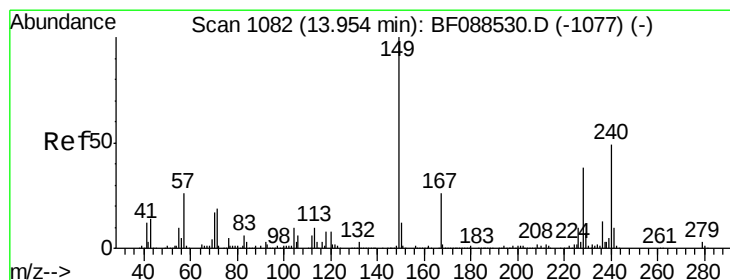
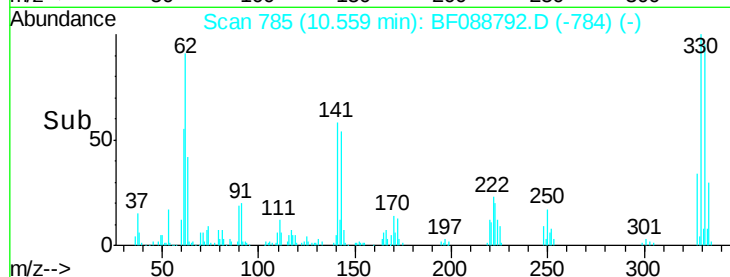
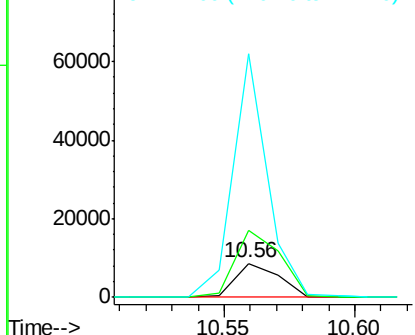
#66
4-Bromophenyl-phenylether
Concen: 3.24 ng
RT: 10.56 min Scan# 785
Delta R.T. -0.29 min
Lab File: BF088792.D
Acq: 7 Jul 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-016RE

Tgt Ion:248 Resp: 10173
Ion Ratio Lower Upper
248 100
250 195.5 77.1 115.7#
141 715.1 50.6 76.0#

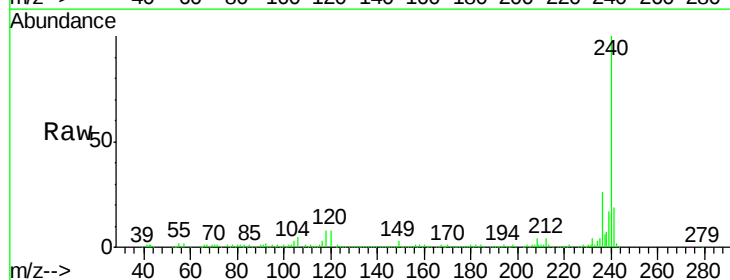


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

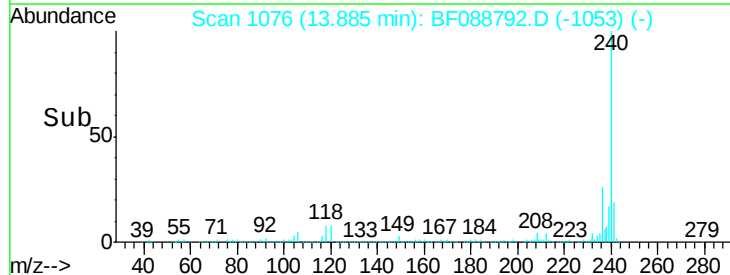
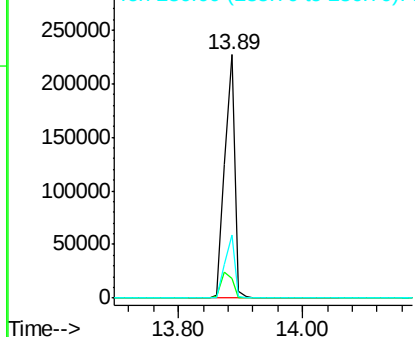


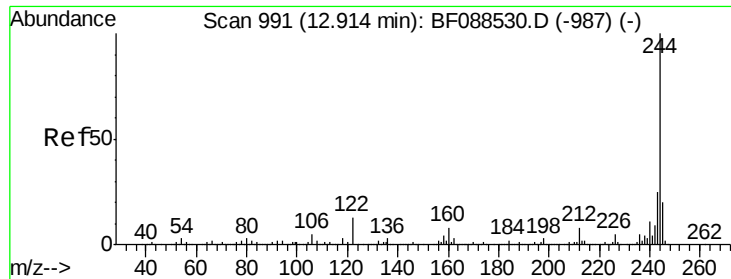
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.03 min
Lab File: BF088792.D
Acq: 7 Jul 2016 21:39

Tgt Ion:240 Resp: 251479
Ion Ratio Lower Upper
240 100
120 7.9 6.8 10.2
236 25.9 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

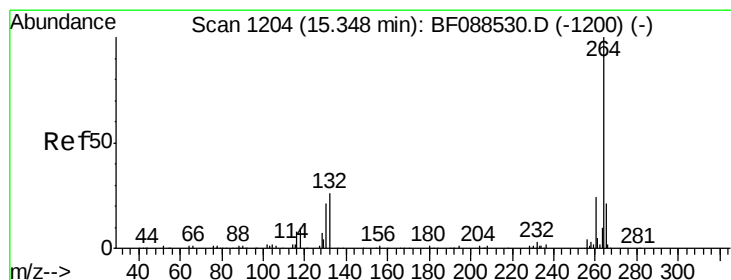
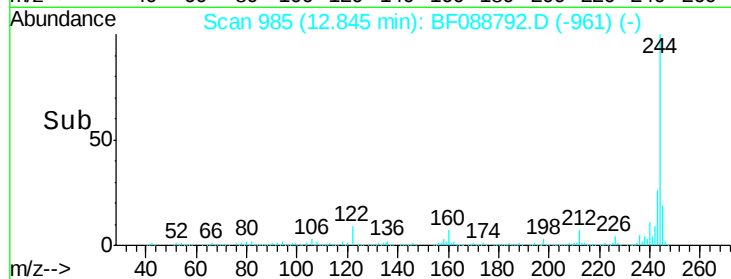
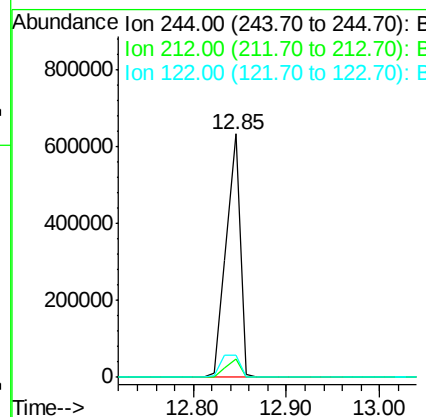
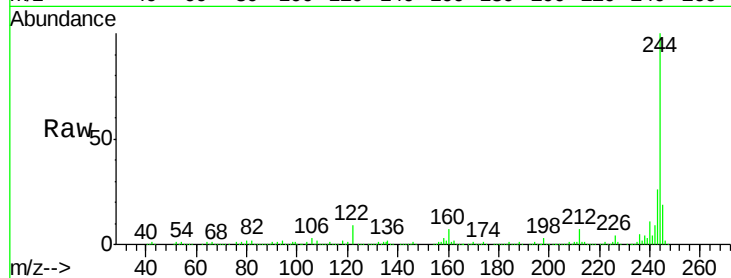




#78
 Terphenyl-d14
 Concen: 58.29 ng
 RT: 12.85 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF088792.D
 Acq: 7 Jul 2016 21:39

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-016RE

Tgt Ion:244 Resp: 658162
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 8.9 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1197
 Delta R.T. -0.03 min
 Lab File: BF088792.D
 Acq: 7 Jul 2016 21:39

Tgt Ion:264 Resp: 201976
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.8 16.9 25.3

