

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062916\
 Data File : BF088518.D
 Acq On : 30 Jun 2016 4:18
 Operator : UM/SJ
 Sample : H3829-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-014

Quant Time: Jun 30 05:47:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 02:07:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	118653	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	377133	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	140492	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	253203	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	281545	20.00	ng	-0.01
86) Perylene-d12	15.36	264	289906	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	659349	86.05	ng	0.00
7) Phenol-d6	6.44	99	804715	82.13	ng	-0.01
23) Nitrobenzene-d5	7.38	82	520433	72.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	126950	117.86	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	763542	87.97	ng	-0.01
78) Terphenyl-d14	12.91	244	628036	41.72	ng	0.00

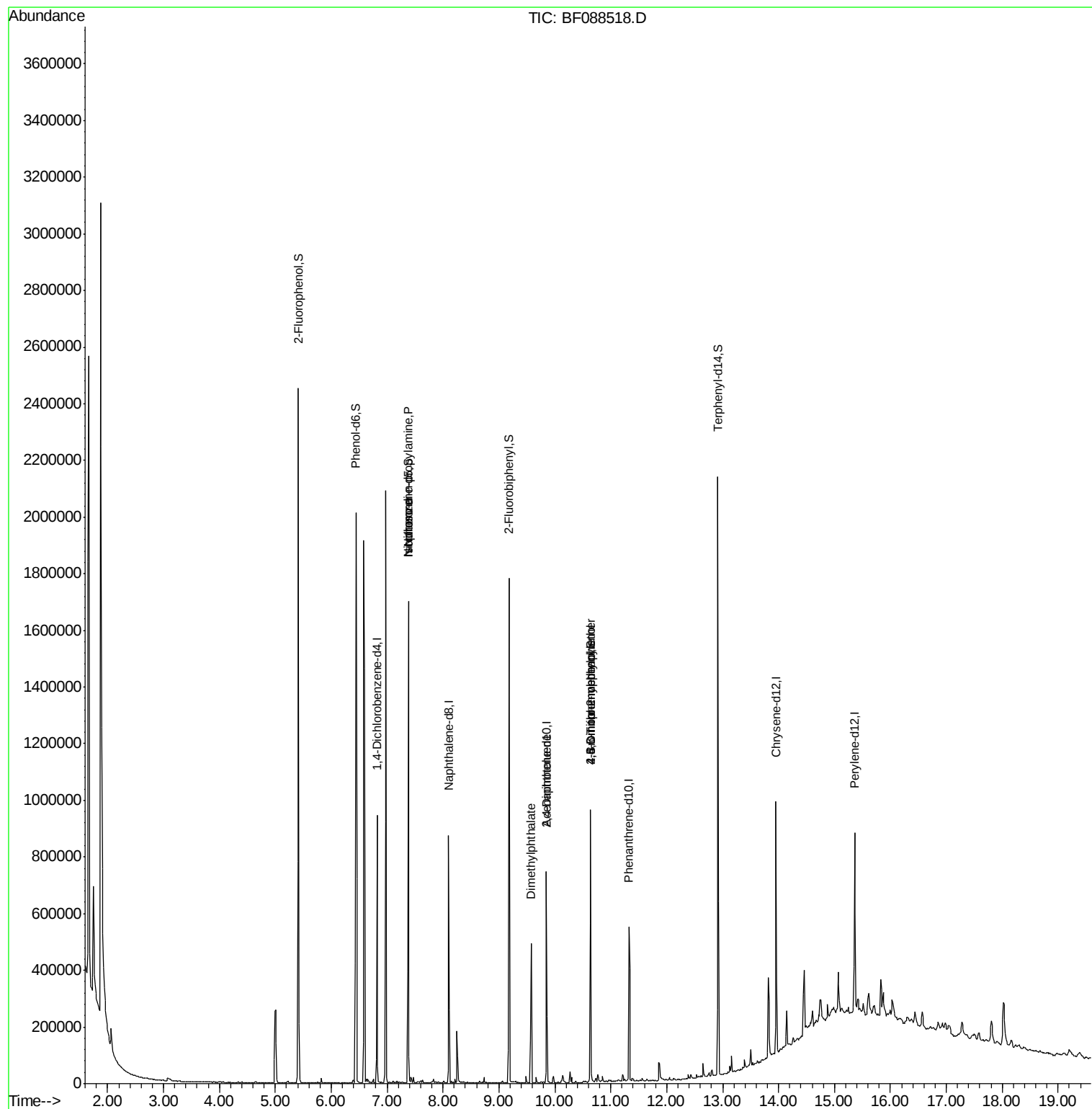
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	71583	10.73	ng	# 80
25) Isophorone	7.38	82	427267	29.45	ng	# 64
45) 1,1'-Biphenyl	9.18	154	1339	Below Cal		# 1
49) Dimethylphthalate	9.58	163	202072	19.45	ng	# 98
56) 2,4-Dinitrotoluene	9.85	165	18154	6.87	ng	# 30
64) 4,6-Dinitro-2-methylphenol	10.64	198	228	3.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	8621	3.15	ng	# 1
70) Phenanthrene	11.35	178	1570	Below Cal		# 59
71) Anthracene	11.40	178	569	Below Cal		# 60

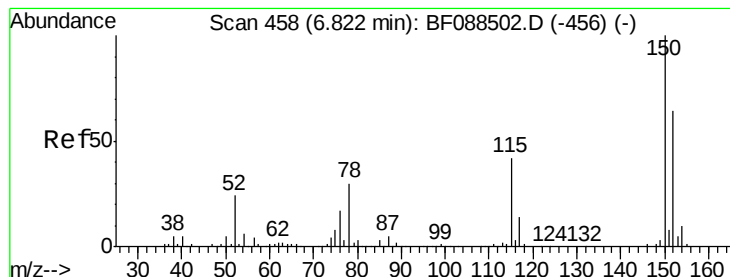
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

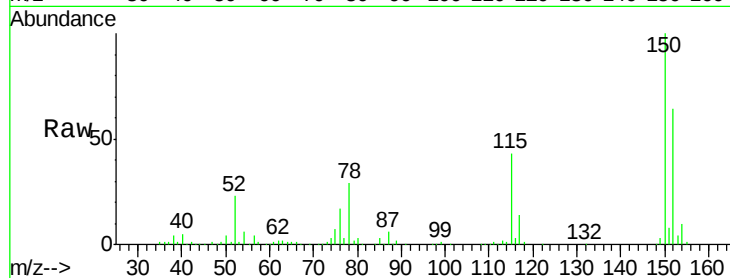
Tgt Ion:152 Resp: 118653

Ion Ratio Lower Upper

152 100

150 155.4 124.5 186.7

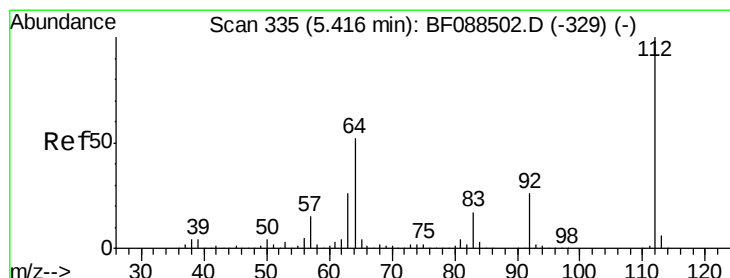
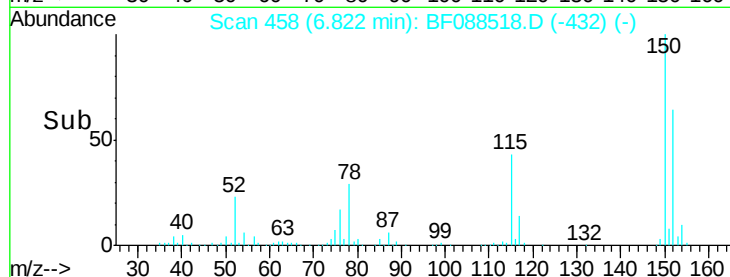
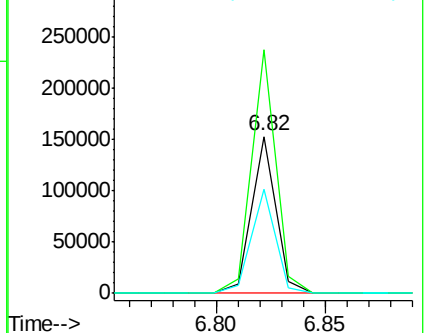
115 66.1 52.3 78.5



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: 86.05 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.00 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

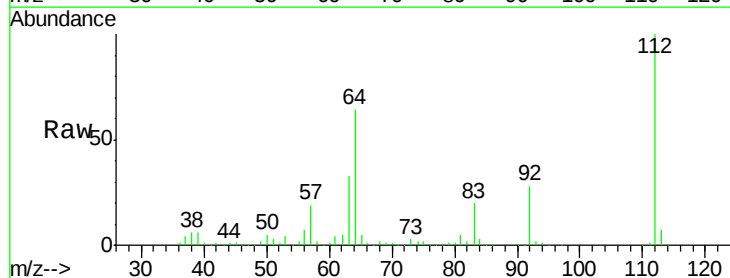
Tgt Ion:112 Resp: 659349

Ion Ratio Lower Upper

112 100

64 64.4 41.5 62.3#

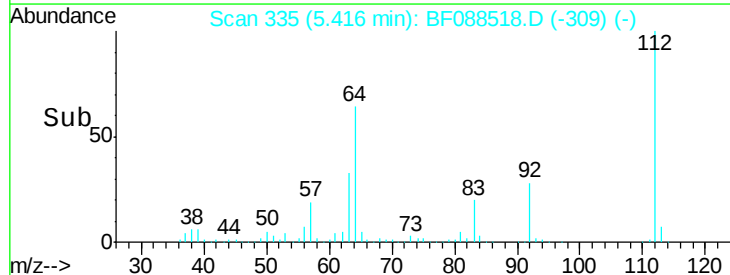
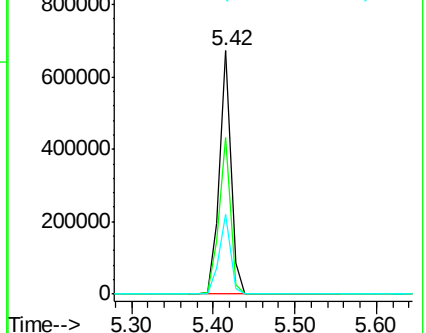
63 32.7 20.6 31.0#

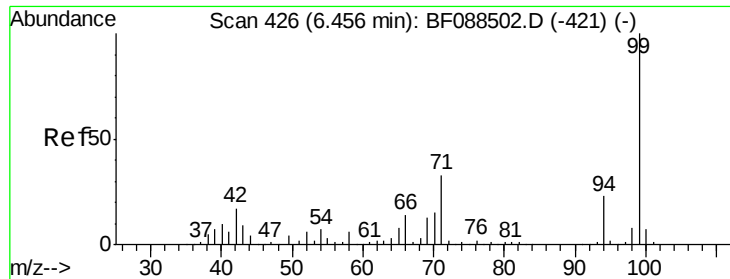


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.13 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

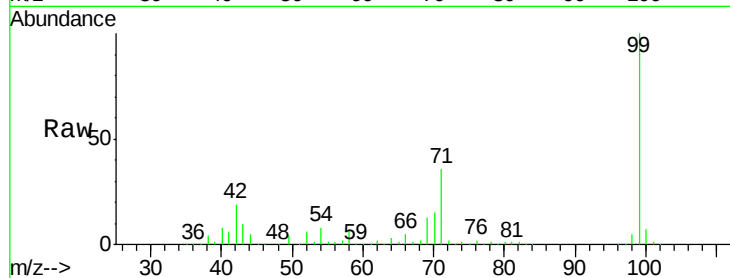
Tgt Ion: 99 Resp: 804715

Ion Ratio Lower Upper

99 100

42 19.5 13.4 20.0

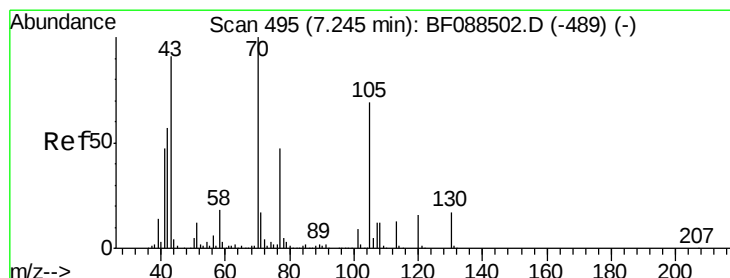
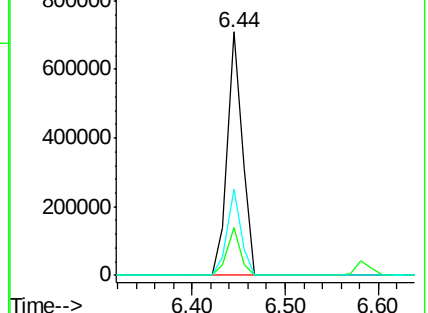
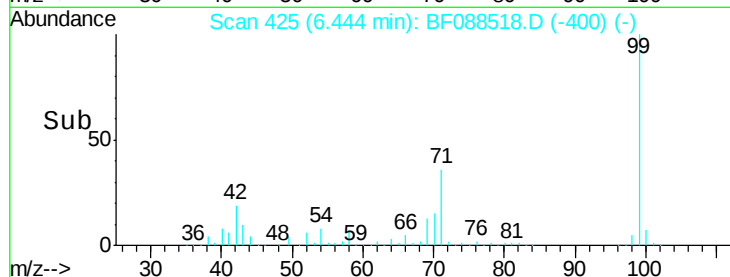
71 35.6 26.1 39.1



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: 10.73 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.14 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Tgt Ion: 70 Resp: 71583

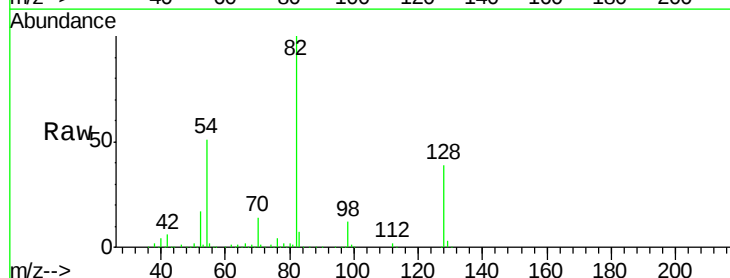
Ion Ratio Lower Upper

70 100

42 46.0 45.9 68.9

101 0.0 6.8 10.2#

130 1.8 13.9 20.9#

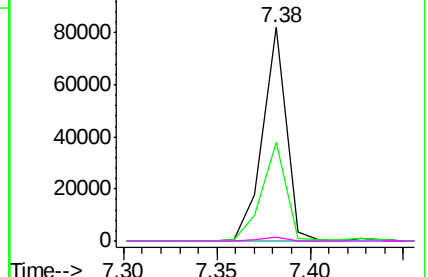
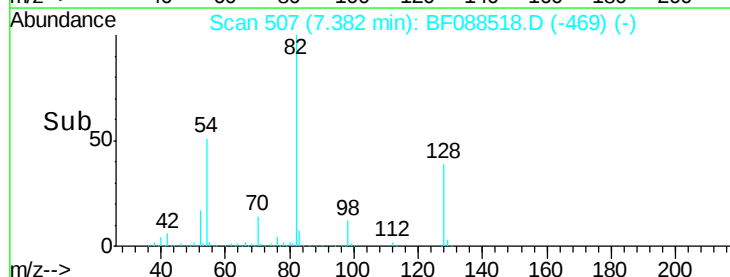


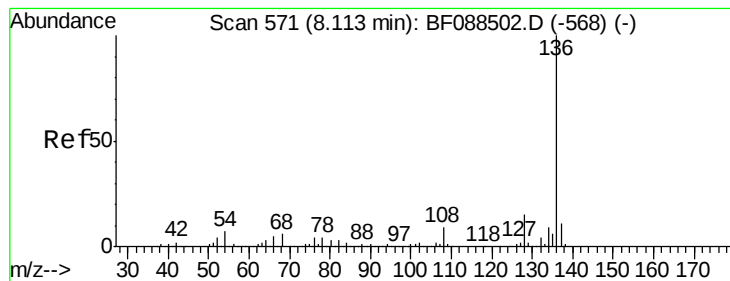
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.10 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

Tgt Ion:136 Resp: 377133

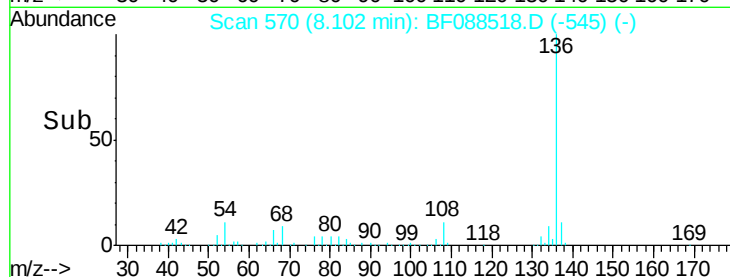
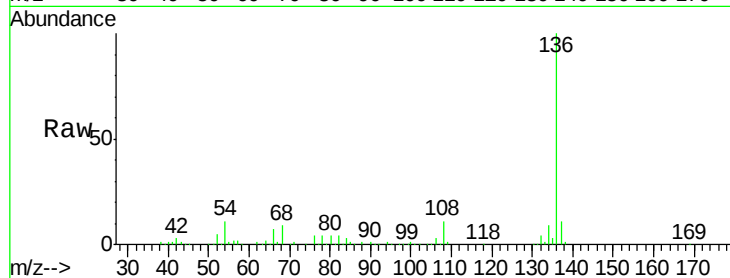
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.5 5.4 8.2#

68 8.6 4.9 7.3#

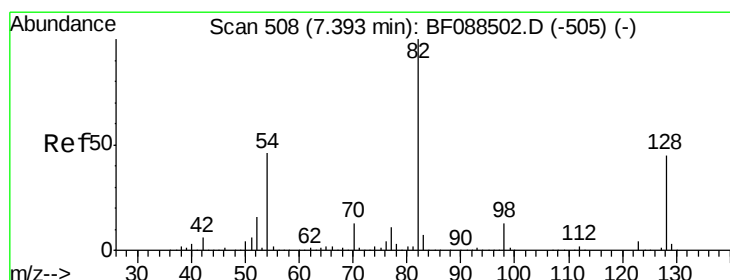
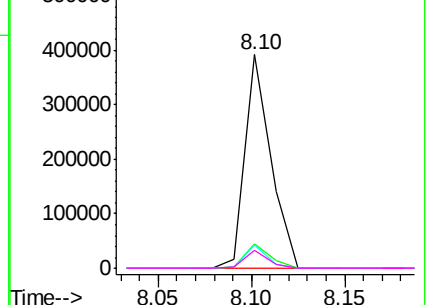


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.48 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

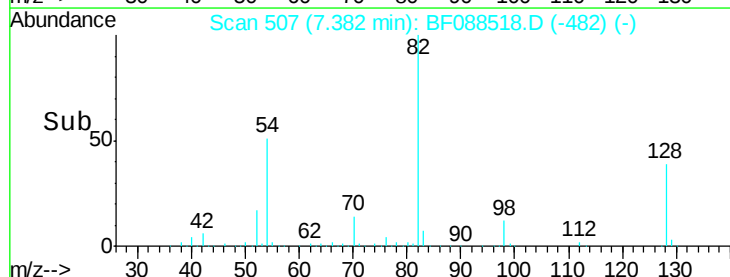
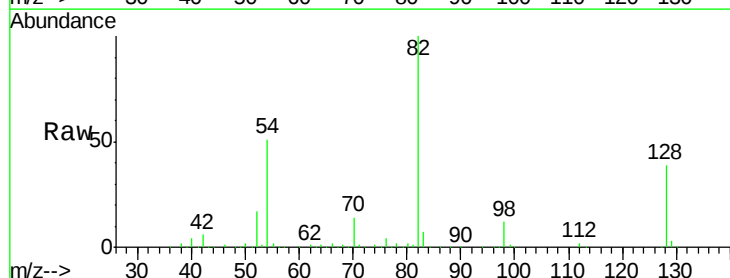
Tgt Ion: 82 Resp: 520433

Ion Ratio Lower Upper

82 100

128 39.3 35.8 53.8

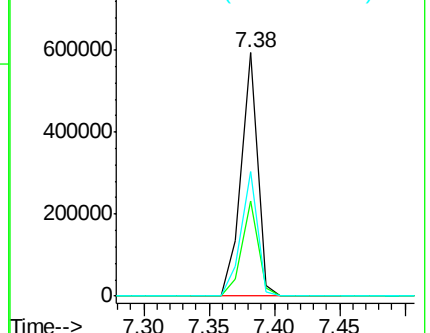
54 51.0 37.1 55.7

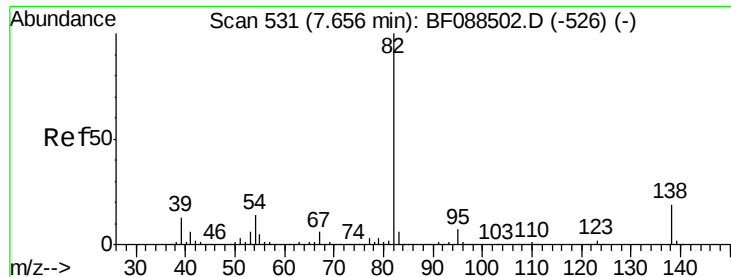


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.45 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.27 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

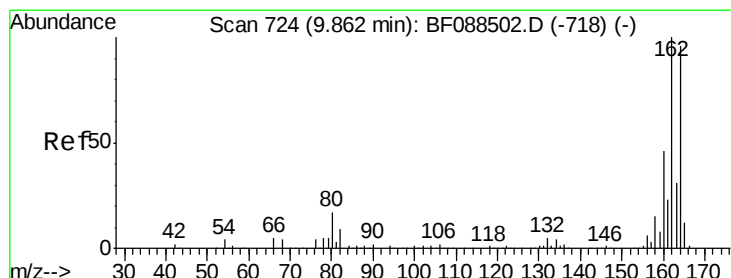
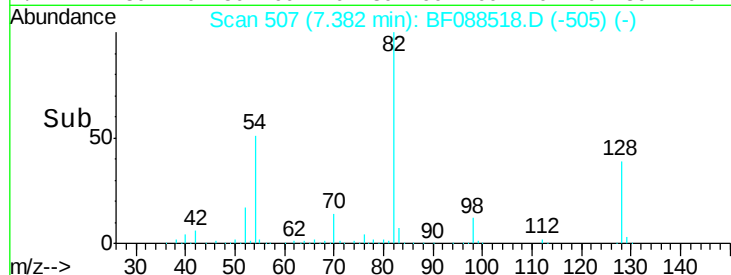
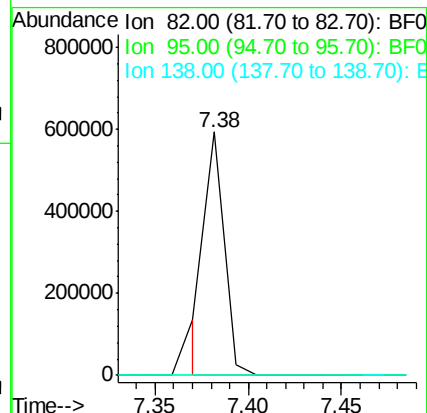
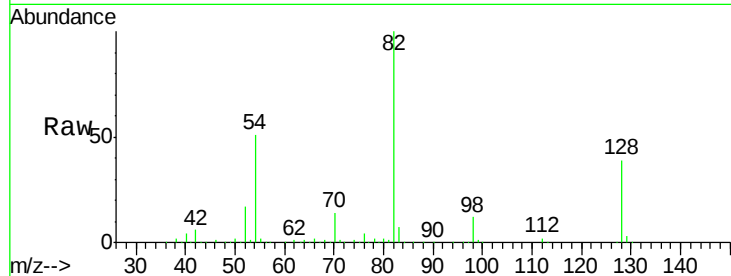
Tgt Ion: 82 Resp: 427267

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

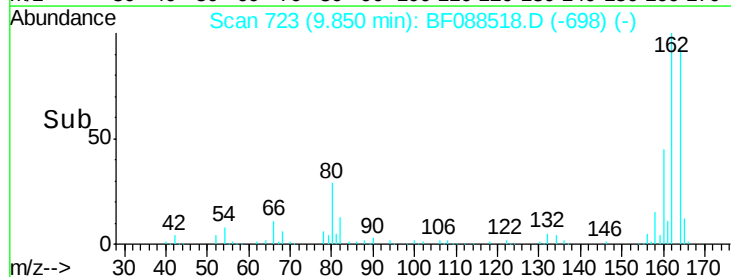
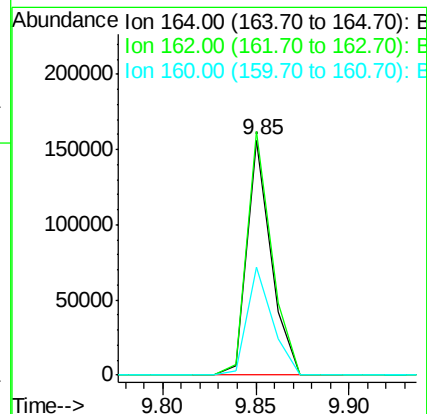
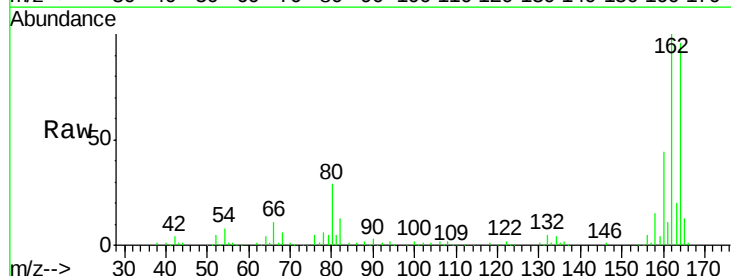
Tgt Ion: 164 Resp: 140492

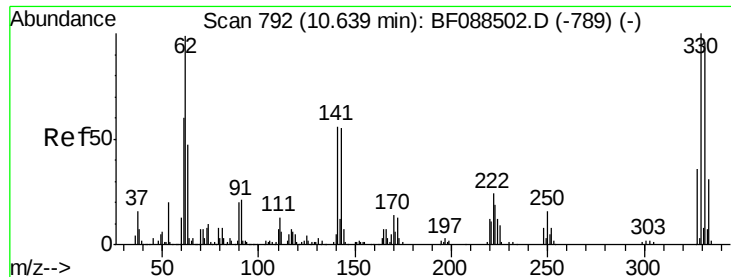
Ion Ratio Lower Upper

164 100

162 103.8 83.7 125.5

160 46.1 38.9 58.3

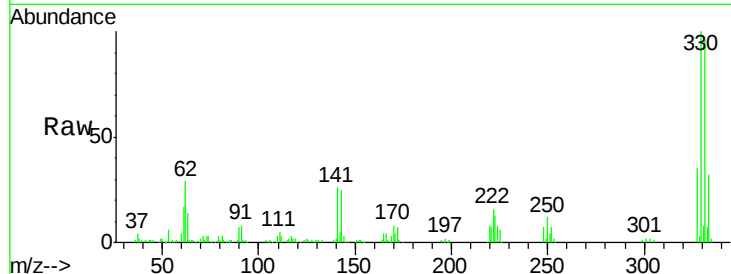




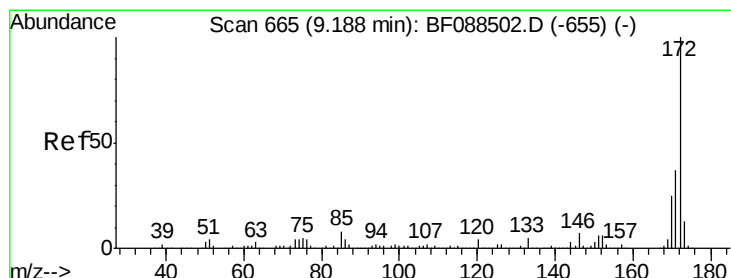
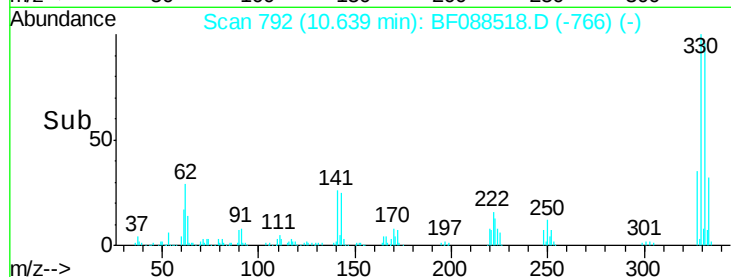
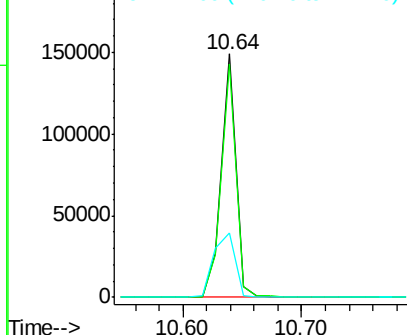
#41
 2,4,6-Tribromophenol
 Concen: 117.86 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF088518.D
 Acq: 30 Jun 2016 4:18

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-014

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	38.5	0.0	0.0#

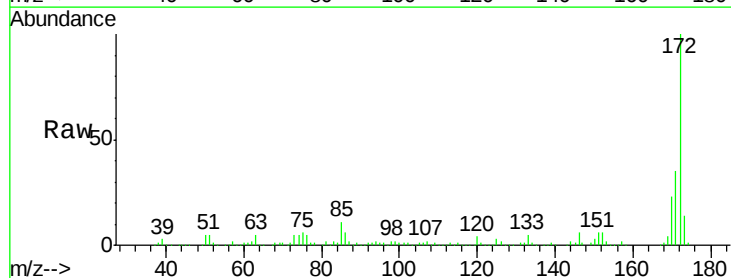


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

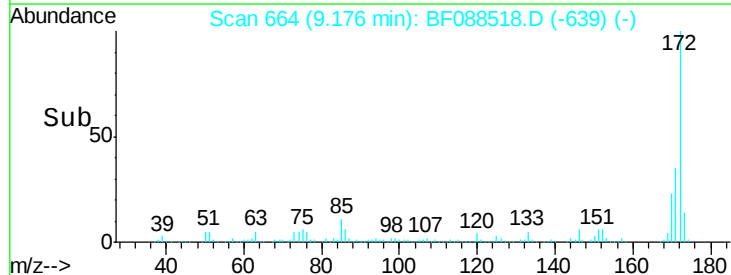
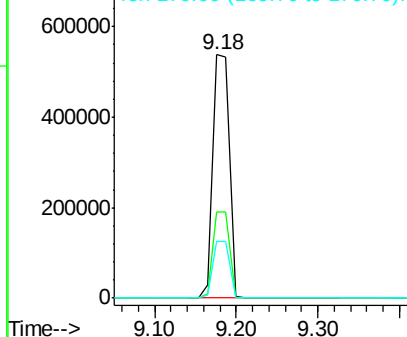


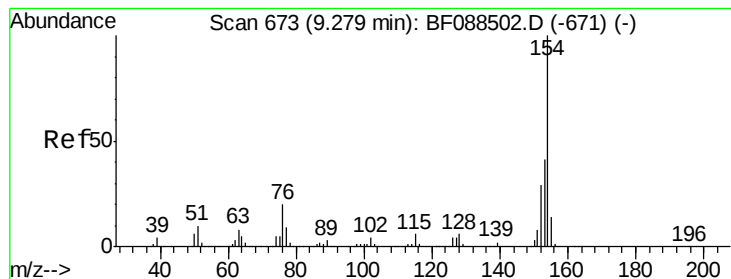
#44
 2-Fluorobiphenyl
 Concen: 87.97 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: BF088518.D
 Acq: 30 Jun 2016 4:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	23.4	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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.18 min Scan# 664

Delta R.T. -0.10 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

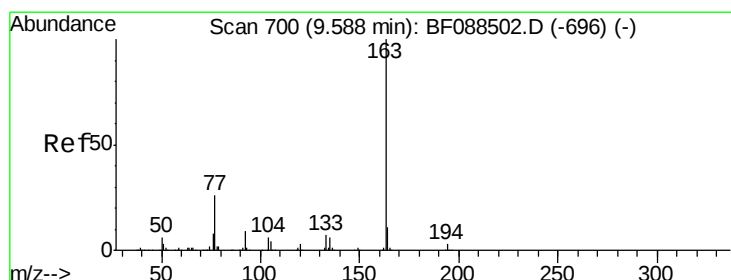
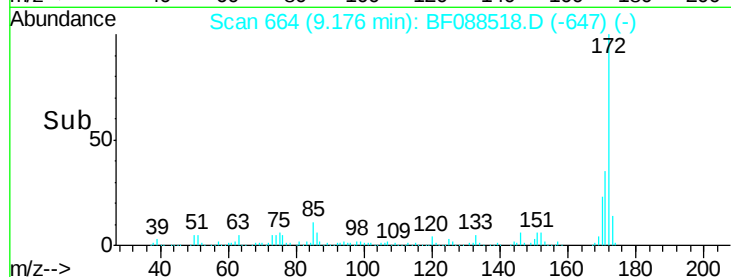
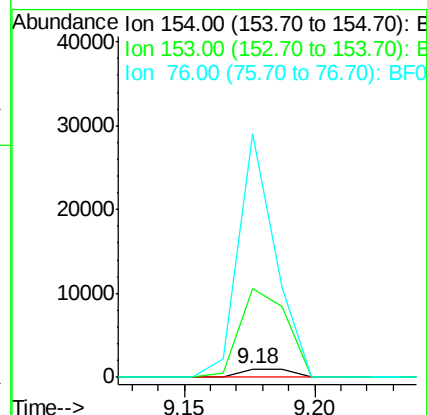
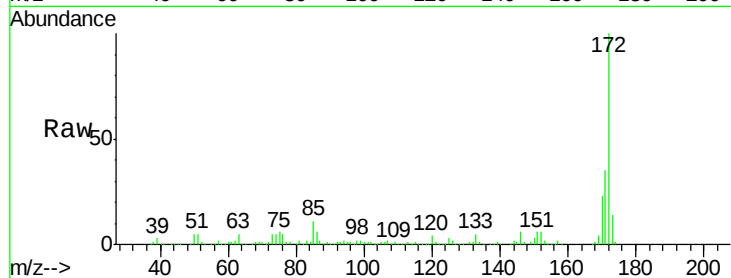
Tgt Ion:154 Resp: 1339

Ion Ratio Lower Upper

154 100

153 1027.7 20.8 60.8#

76 2809.7 0.0 39.9#



#49

Dimethylphthalate

Concen: 19.45 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

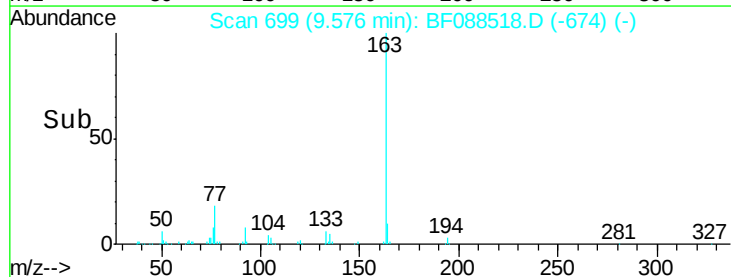
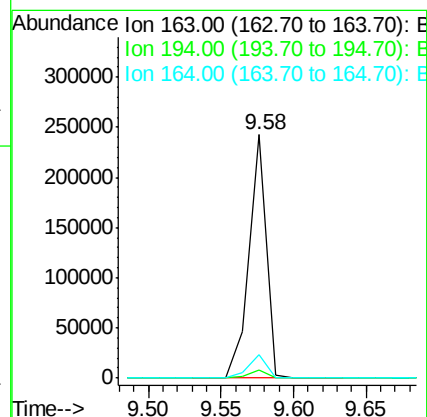
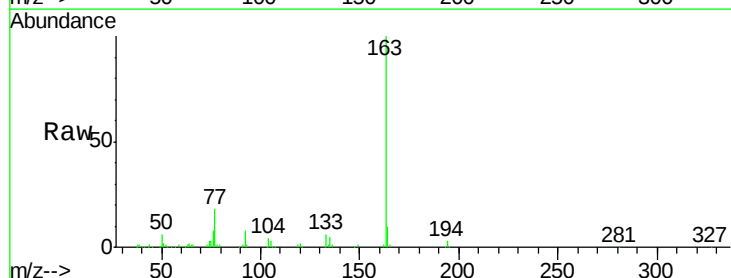
Tgt Ion:163 Resp: 202072

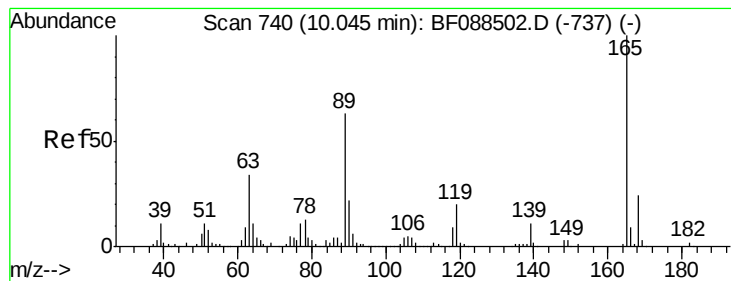
Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

164 9.6 8.5 12.7





#56

2,4-Dinitrotoluene

Concen: 6.87 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.19 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

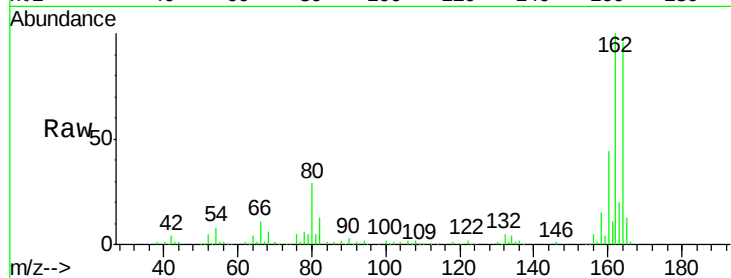
Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

Tgt Ion:	165	Resp:	18154
Ion Ratio		Lower	Upper
165	100		
63	1.6	27.3	40.9#
89	1.6	50.4	75.6#
182	0.0	2.0	3.0#

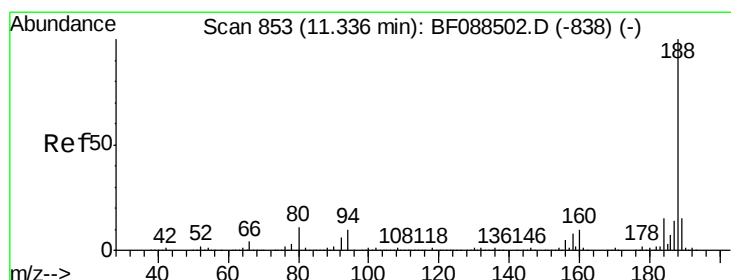
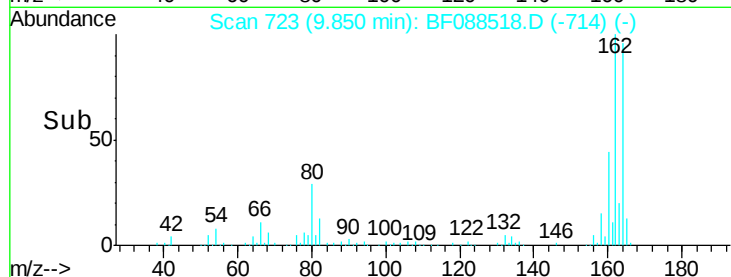
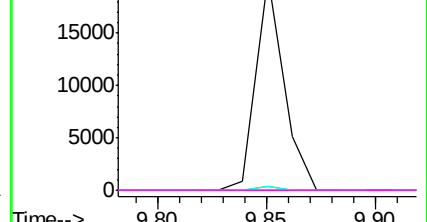


Abundance Ion 165.00 (164.70 to 165.70): E

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

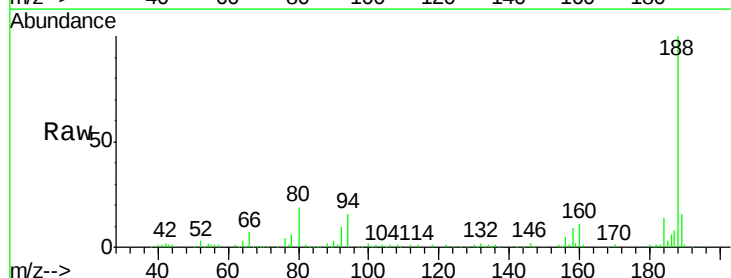
RT: 11.32 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

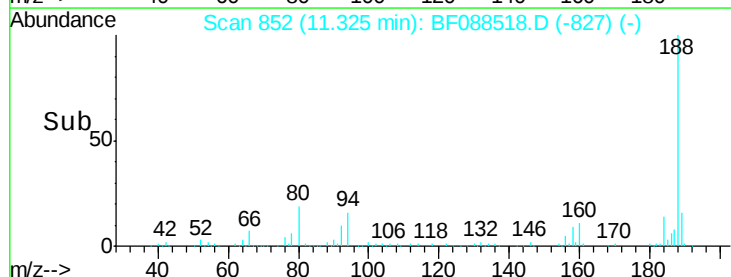
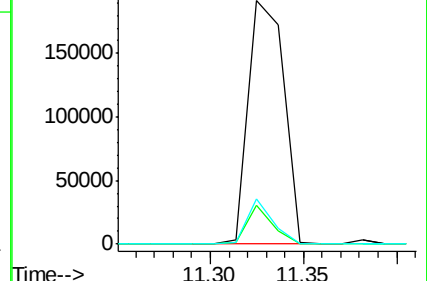
Tgt Ion:	188	Resp:	253203
Ion Ratio		Lower	Upper
188	100		
94	15.9	7.8	11.8#
80	18.8	8.7	13.1#

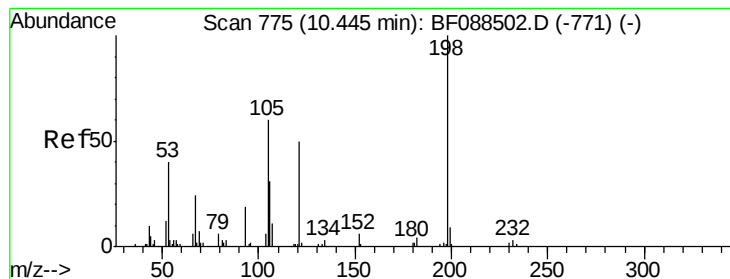


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.50 ng

RT: 10.64 min Scan# 792

Delta R.T. 0.20 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

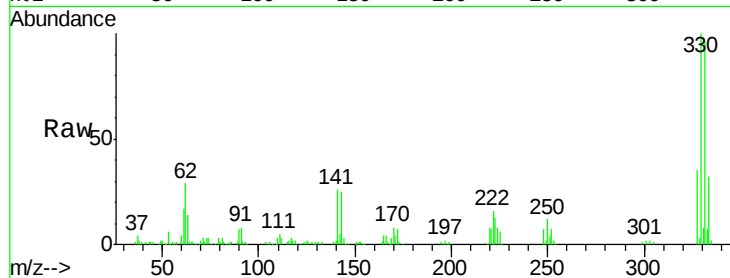
Tgt Ion:198 Resp: 228

Ion Ratio Lower Upper

198 100

51 127.4 42.4 82.4#

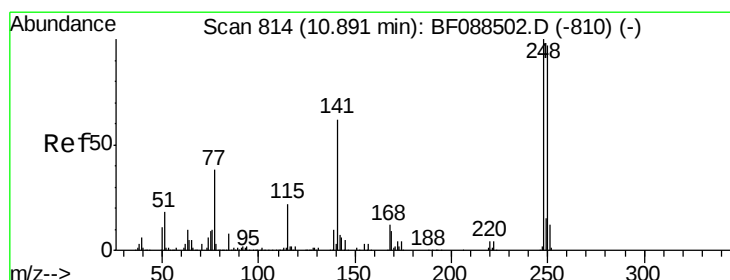
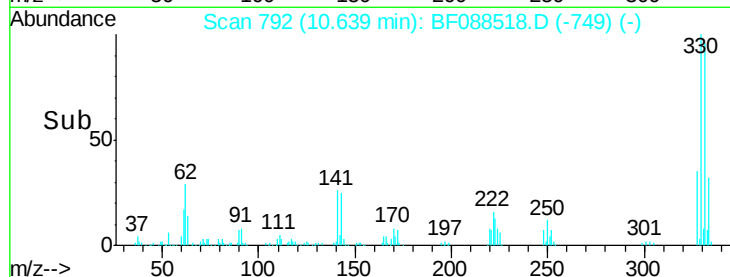
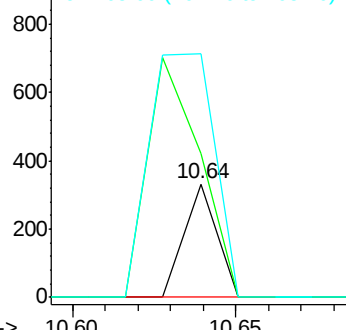
105 214.8 41.2 81.2#



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: 3.15 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.25 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

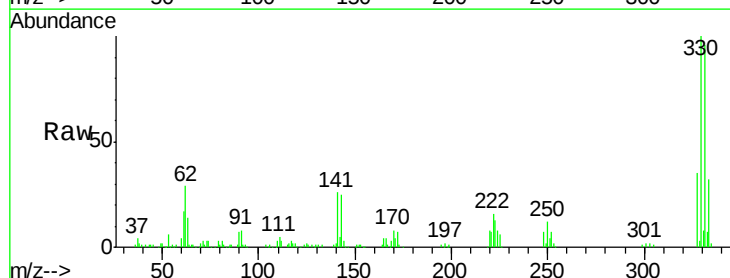
Tgt Ion:248 Resp: 8621

Ion Ratio Lower Upper

248 100

250 191.8 77.7 116.5#

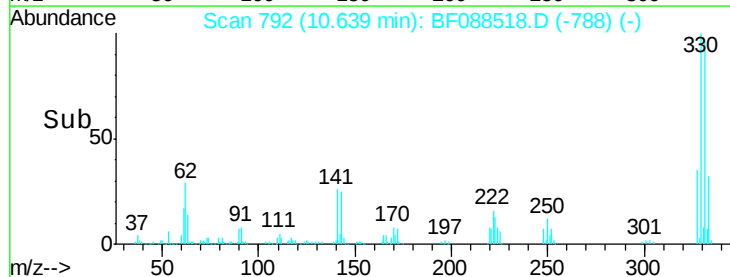
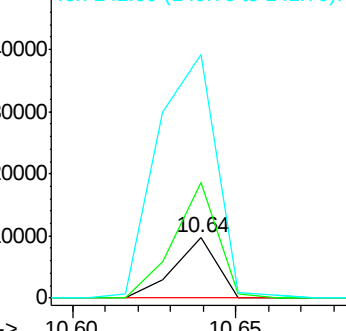
141 403.5 49.2 73.8#

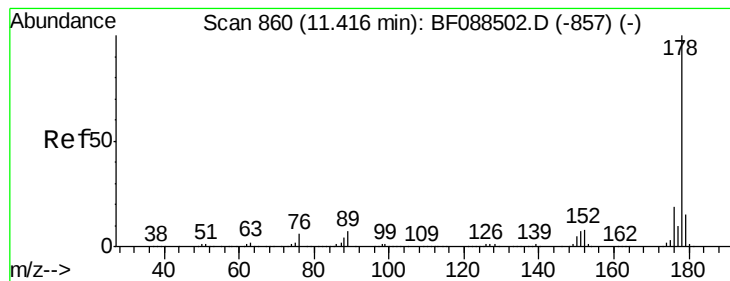


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Anthracene

Concen: Below Cal

RT: 11.40 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-014

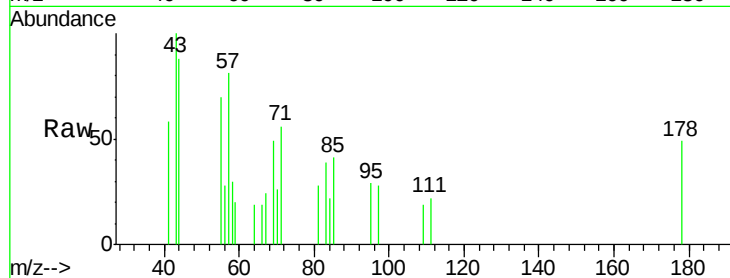
Tgt Ion:178 Resp: 569

Ion Ratio Lower Upper

178 100

176 0.0 15.2 22.8#

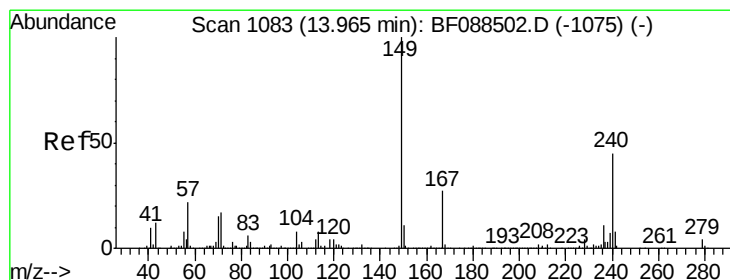
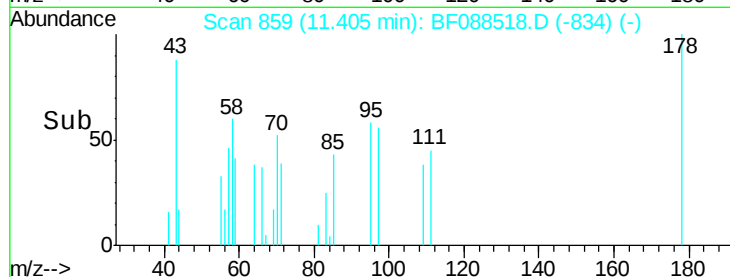
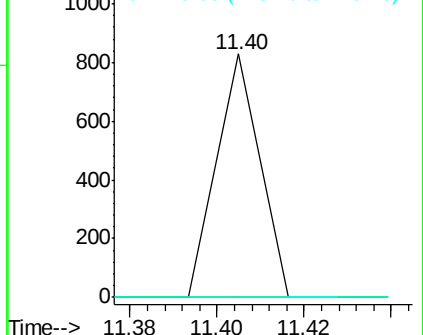
179 0.0 12.3 18.5#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF088518.D

Acq: 30 Jun 2016 4:18

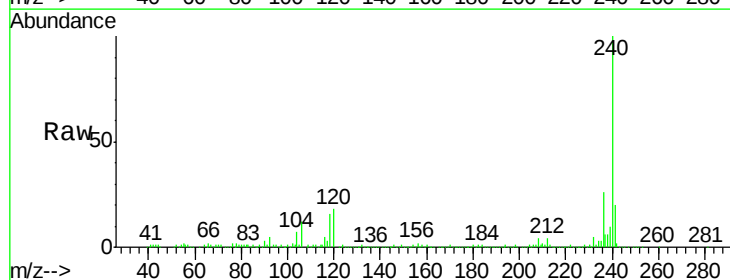
Tgt Ion:240 Resp: 281545

Ion Ratio Lower Upper

240 100

120 17.6 7.1 10.7#

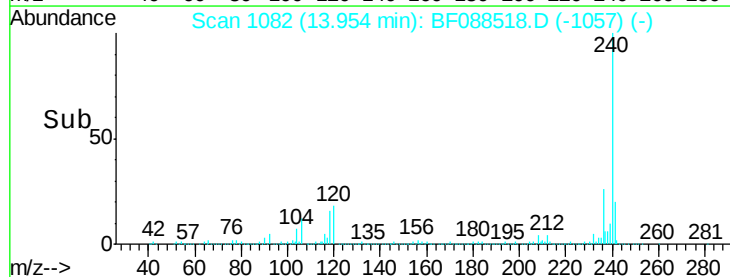
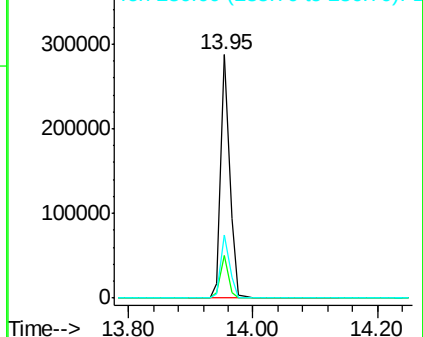
236 26.0 20.3 30.5

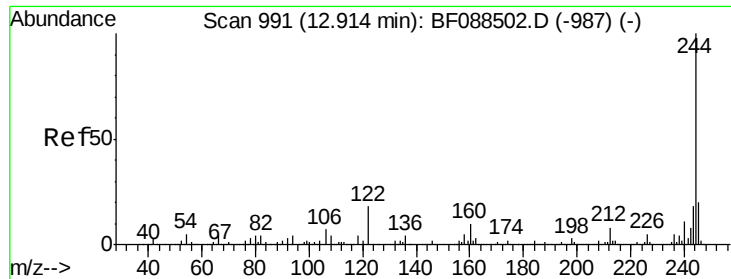


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

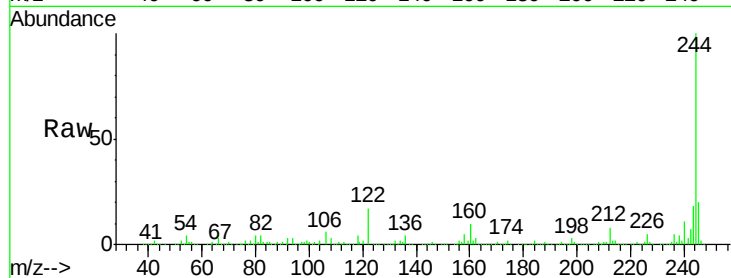




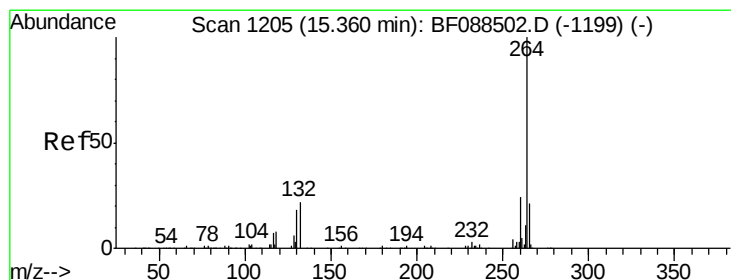
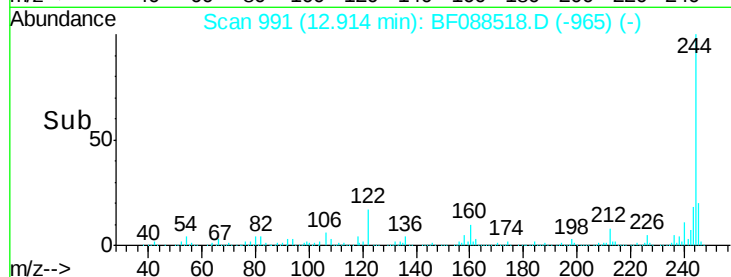
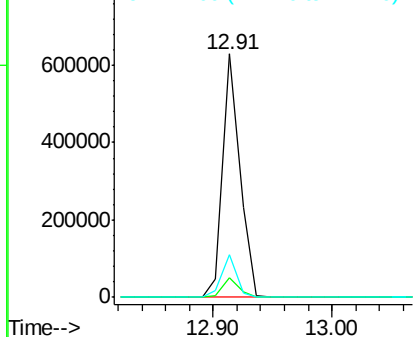
#78
 Terphenyl-d14
 Concen: 41.72 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF088518.D
 Acq: 30 Jun 2016 4:18

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-014

Tgt Ion:244 Resp: 628036
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 17.3 14.8 22.2

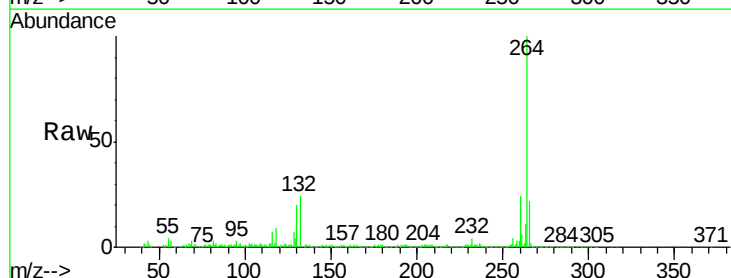


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF088518.D
 Acq: 30 Jun 2016 4:18

Tgt Ion:264 Resp: 289906
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.3 28.9
 265 21.8 17.1 25.7



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

