

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062916\
 Data File : BF088520.D
 Acq On : 30 Jun 2016 5:16
 Operator : UM/SJ
 Sample : H3830-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-016

Quant Time: Jun 30 07:00:51 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	120091	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	388652	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	144671	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	270375	20.00	ng	0.00
75) Chrysene-d12	13.95	240	293588	20.00	ng	-0.01
86) Perylene-d12	15.36	264	280693	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	654100	84.35	ng	0.00
7) Phenol-d6	6.44	99	820932	82.78	ng	-0.01
23) Nitrobenzene-d5	7.38	82	493380	66.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	122383	110.33	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	774131	86.06	ng	0.00
78) Terphenyl-d14	12.91	244	636246	40.45	ng	0.00

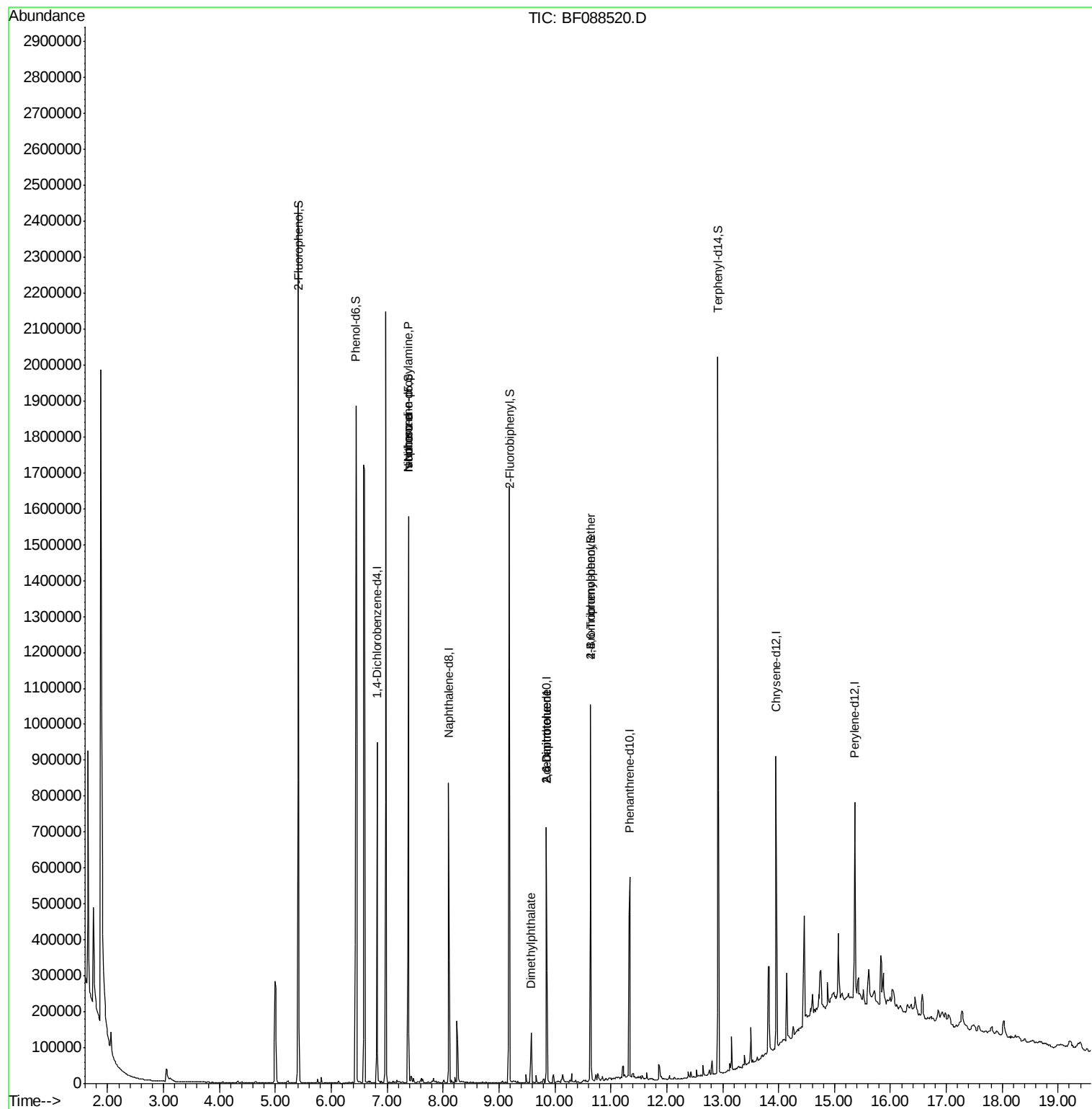
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	66464	9.85	ng	# 82
25) Isophorone	7.38	82	409369	27.38	ng	# 64
45) 1,1'-Biphenyl	9.18	154	1370	Below Cal		# 1
49) Dimethylphthalate	9.58	163	58389	3.05	ng	98
50) 2,6-Dinitrotoluene	9.85	165	18515	8.52	ng	# 23
56) 2,4-Dinitrotoluene	9.85	165	18516	6.81	ng	# 30
66) 4-Bromophenyl-phenylether	10.64	248	8464	2.89	ng	# 1
70) Phenanthrene	11.36	178	2265	Below Cal		# 91
71) Anthracene	11.40	178	636	Below Cal		# 60

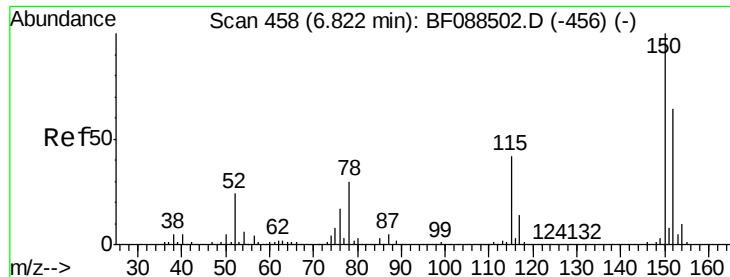
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088520.D

Acq: 30 Jun 2016 5:16

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016

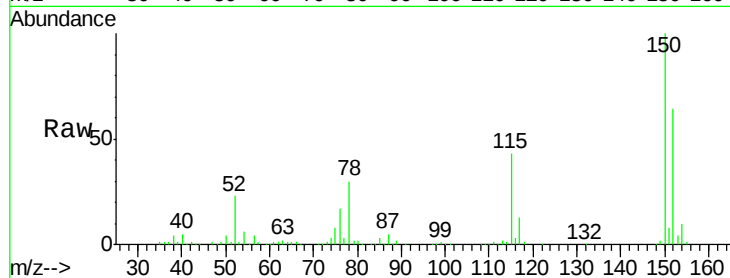
Tgt Ion:152 Resp: 120091

Ion Ratio Lower Upper

152 100

150 157.2 124.5 186.7

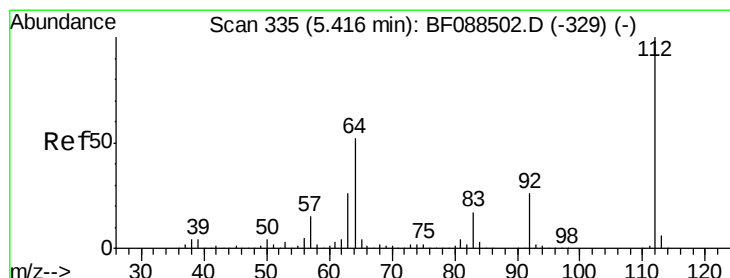
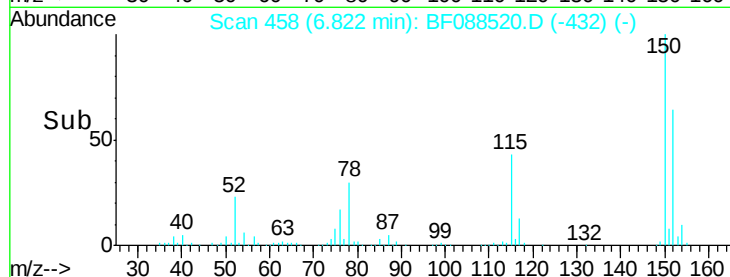
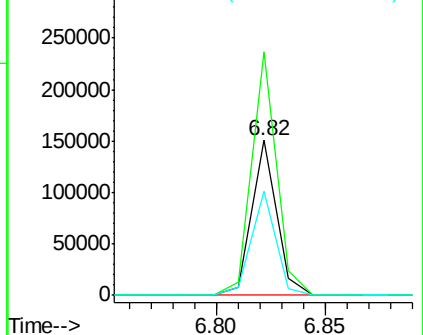
115 67.0 52.3 78.5



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: 84.35 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.00 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

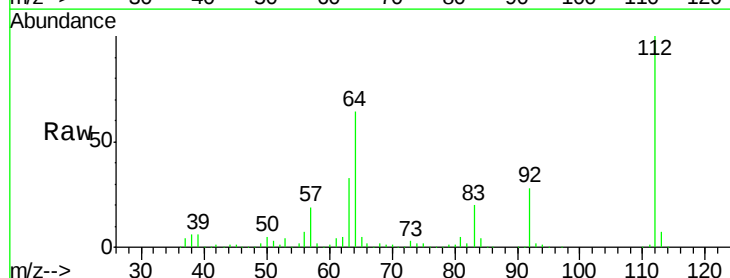
Tgt Ion:112 Resp: 654100

Ion Ratio Lower Upper

112 100

64 64.4 41.5 62.3#

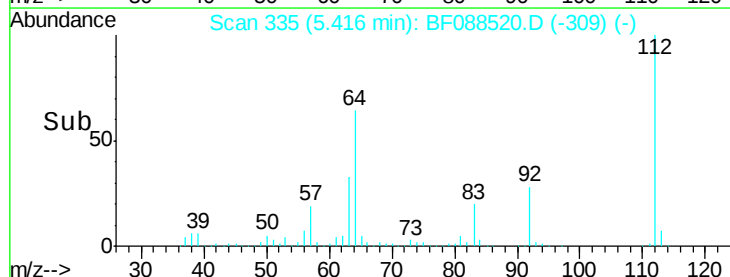
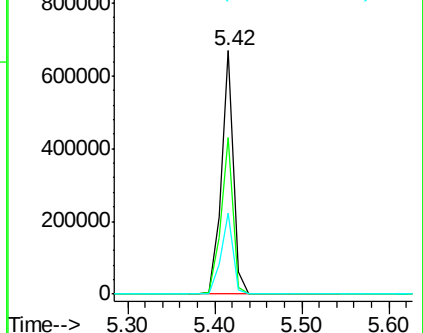
63 33.0 20.6 31.0#

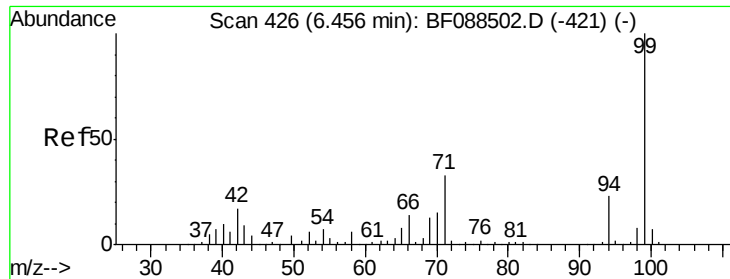


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.78 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

Instrument :

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TILCON-GF-016

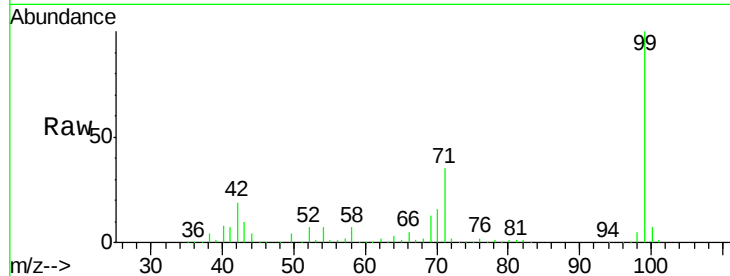
Tgt Ion: 99 Resp: 820932

Ion Ratio Lower Upper

99 100

42 19.4 13.4 20.0

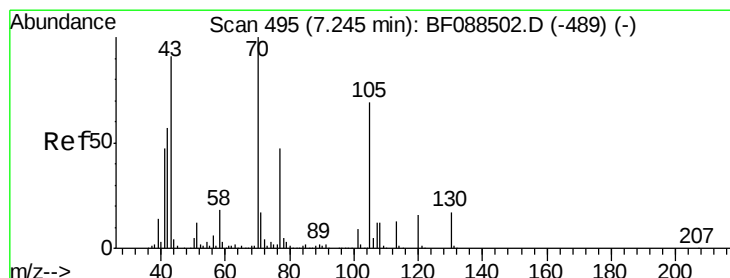
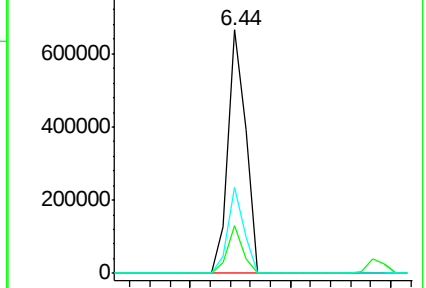
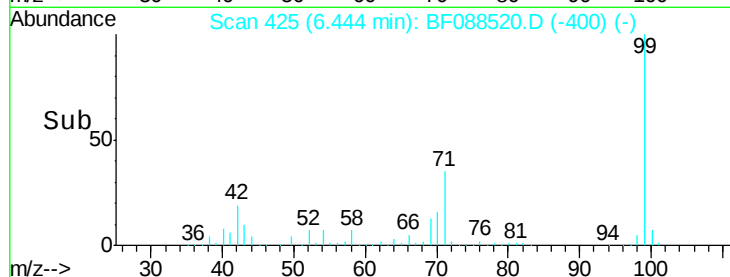
71 35.3 26.1 39.1



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: 9.85 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.14 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

Tgt Ion: 70 Resp: 66464

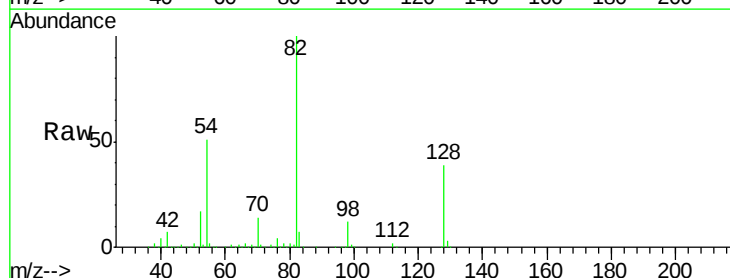
Ion Ratio Lower Upper

70 100

42 48.5 45.9 68.9

101 0.0 6.8 10.2#

130 1.9 13.9 20.9#

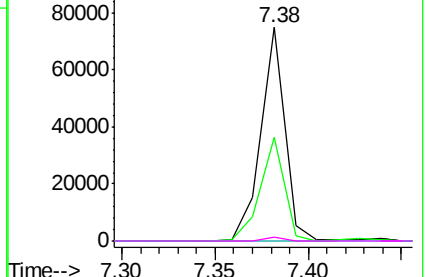
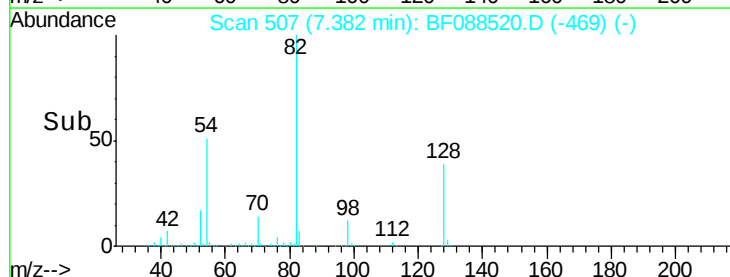


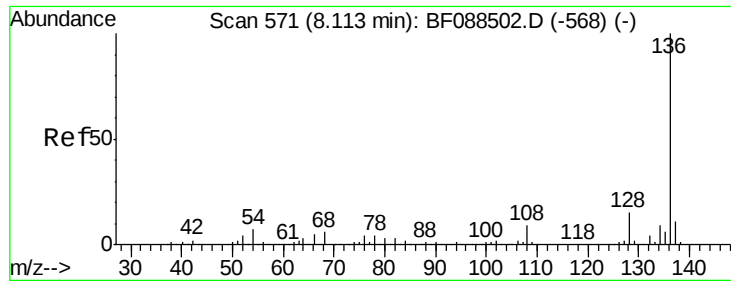
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

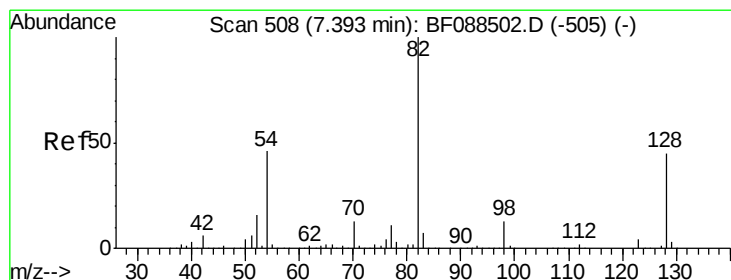
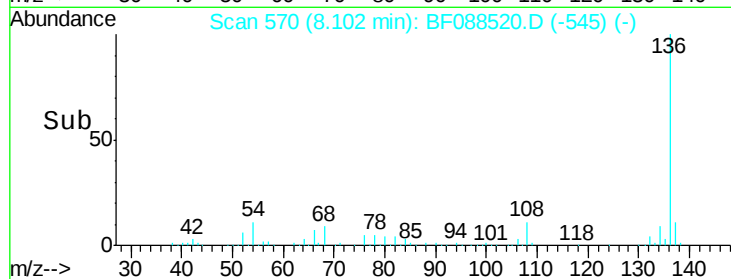
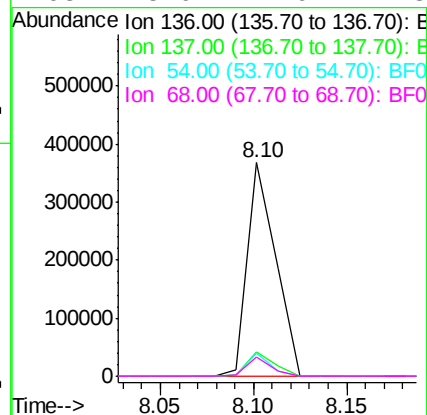
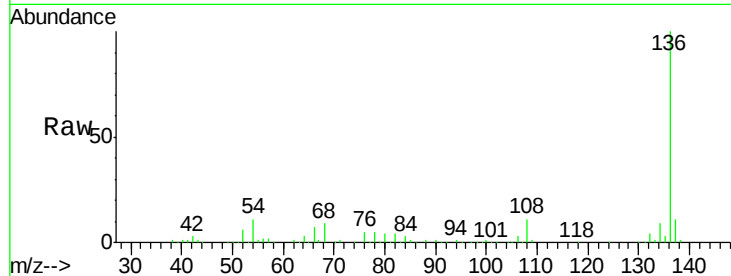




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF088520.D
Acq: 30 Jun 2016 5:16

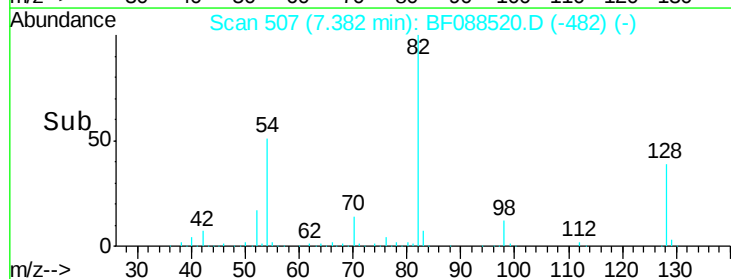
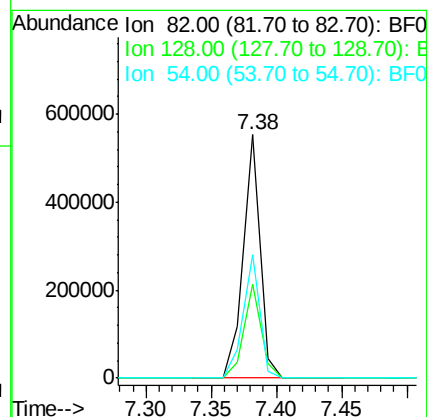
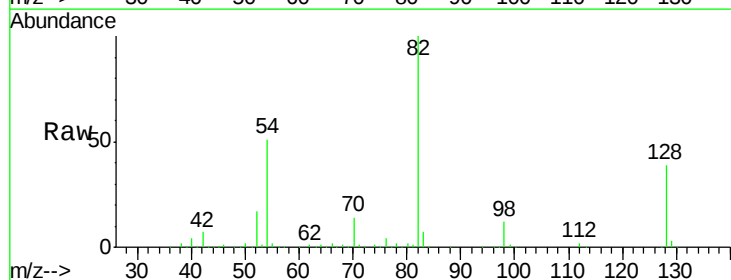
Instrument :
BNA_F
ClientSampleId :
TILCON-GF-016

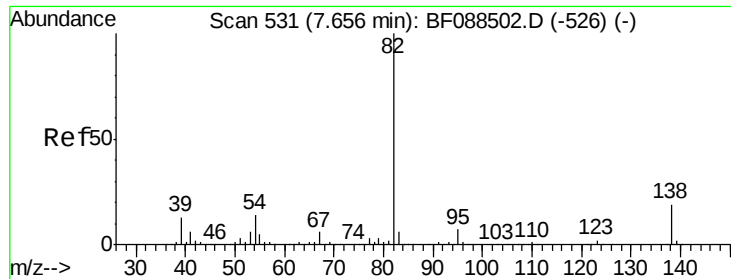
Tgt Ion:	136	Resp:	388652
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	11.1	5.4	8.2#
68	8.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 66.67 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF088520.D
Acq: 30 Jun 2016 5:16

Tgt Ion:	82	Resp:	493380
Ion Ratio	Lower	Upper	
82	100		
128	38.7	35.8	53.8
54	50.7	37.1	55.7





#25

Isophorone

Concen: 27.38 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.27 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016

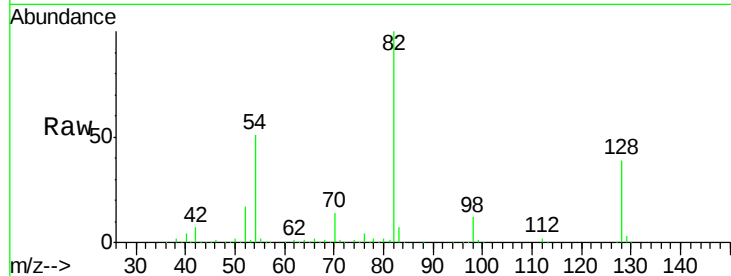
Tgt Ion: 82 Resp: 409369

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

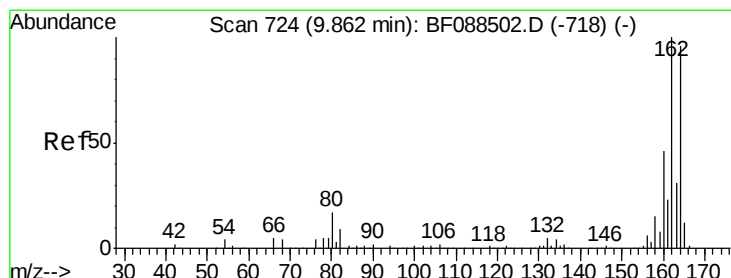
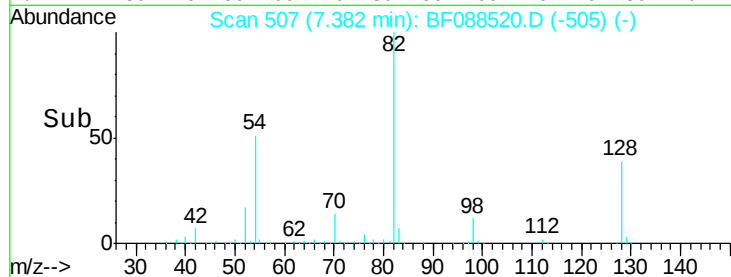
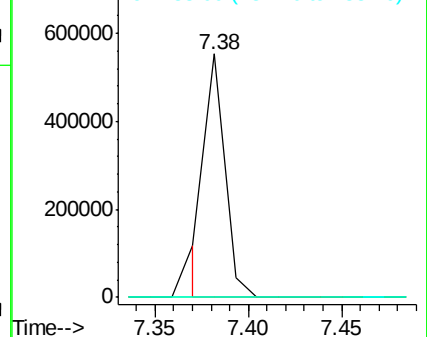
138 0.0 14.8 22.2#



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: 9.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

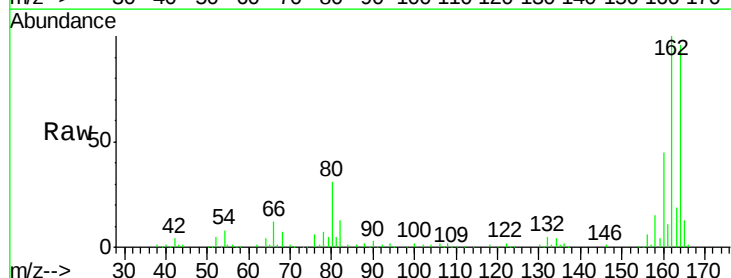
Tgt Ion: 164 Resp: 144671

Ion Ratio Lower Upper

164 100

162 103.9 83.7 125.5

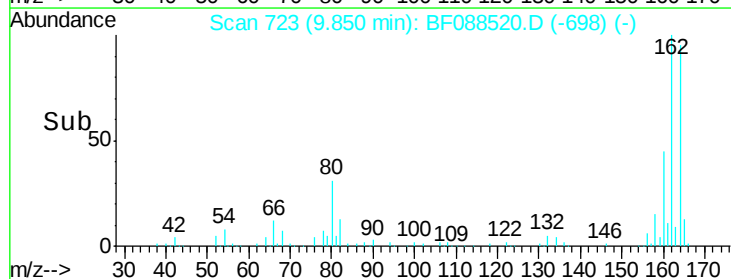
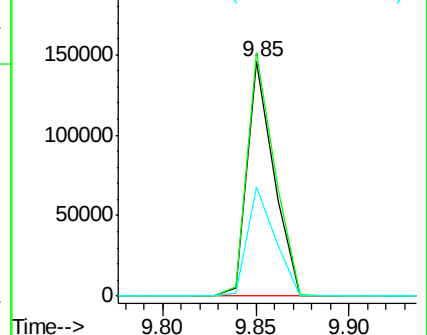
160 46.7 38.9 58.3

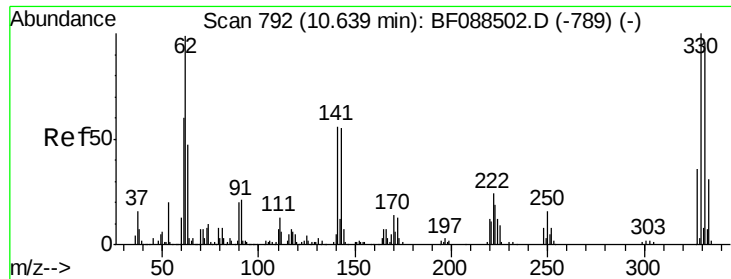


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

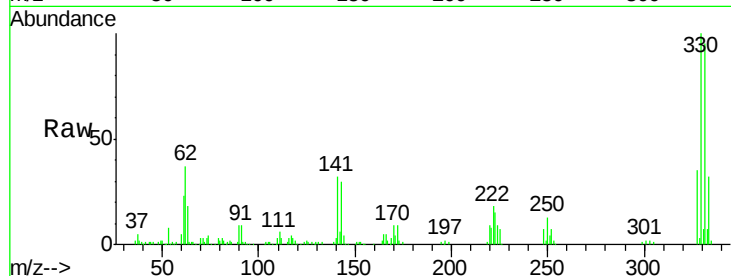




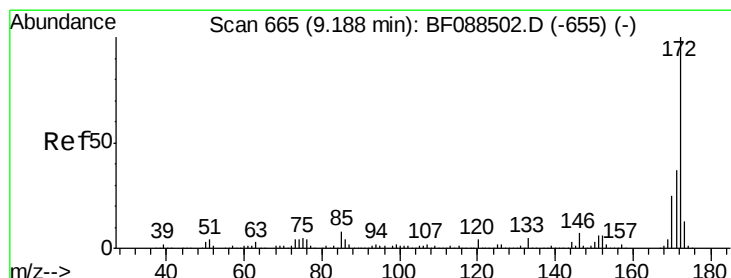
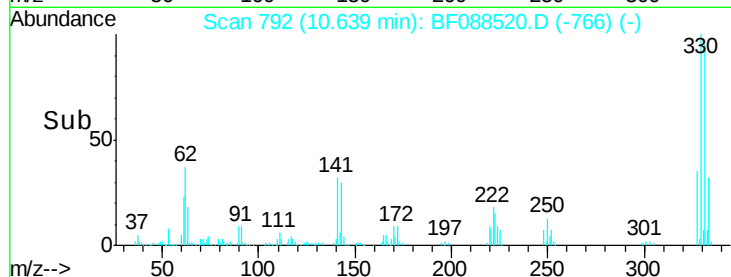
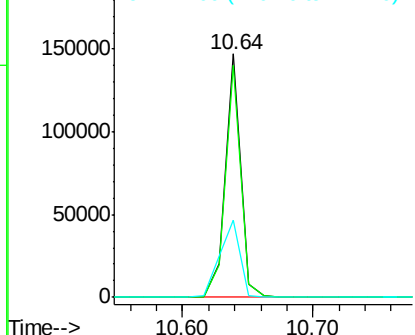
#41
 2,4,6-Tribromophenol
 Concen: 110.33 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF088520.D
 Acq: 30 Jun 2016 5:16

Instrument :
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 TILCON-GF-016

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	41.4	0.0	0.0#

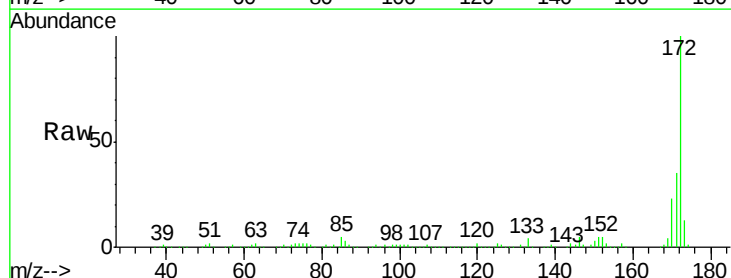


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

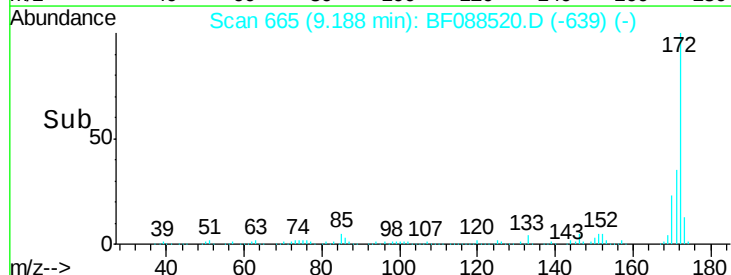
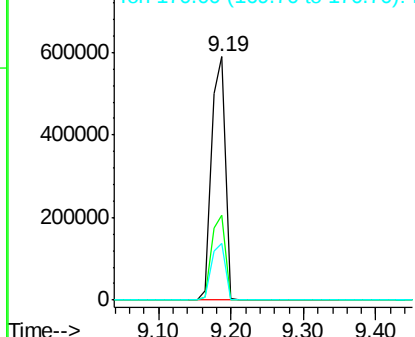


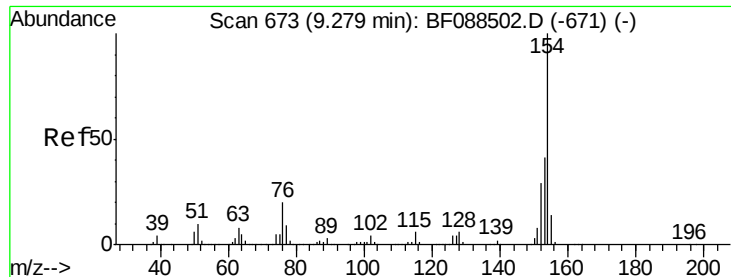
#44
 2-Fluorobiphenyl
 Concen: 86.06 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF088520.D
 Acq: 30 Jun 2016 5:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	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: BF088520.D

Acq: 30 Jun 2016 5:16

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016

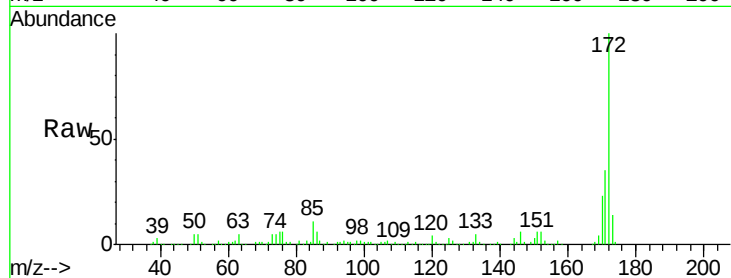
Tgt Ion:154 Resp: 1370

Ion Ratio Lower Upper

154 100

153 933.5 20.8 60.8#

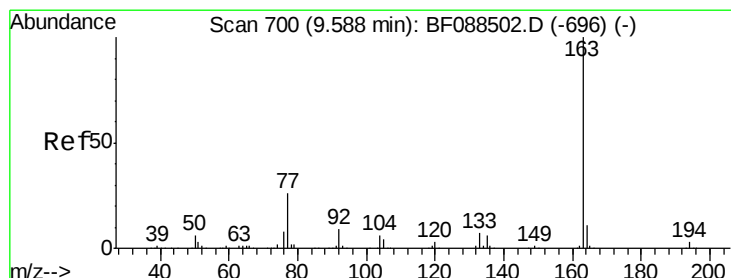
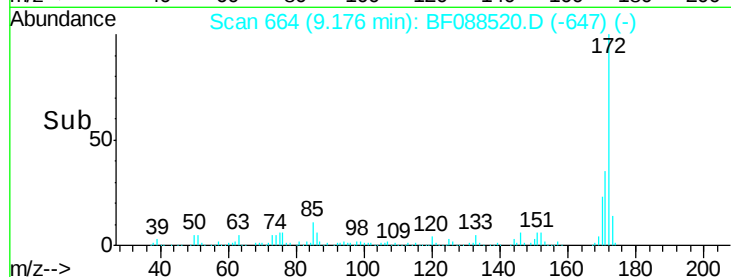
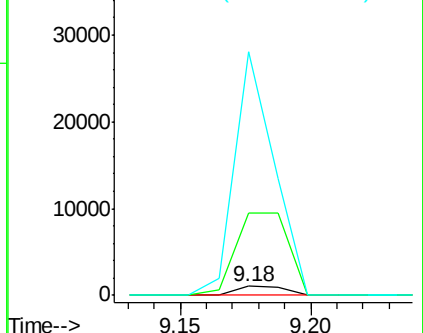
76 2746.0 0.0 39.9#



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: 3.05 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

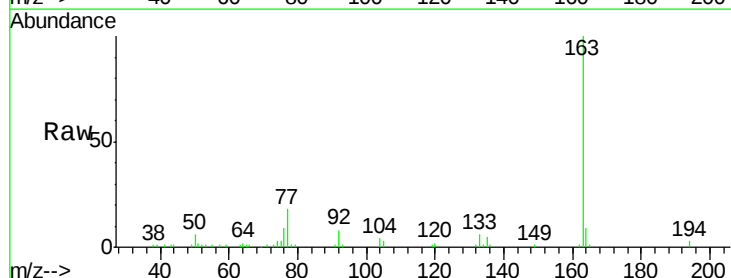
Tgt Ion:163 Resp: 58389

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

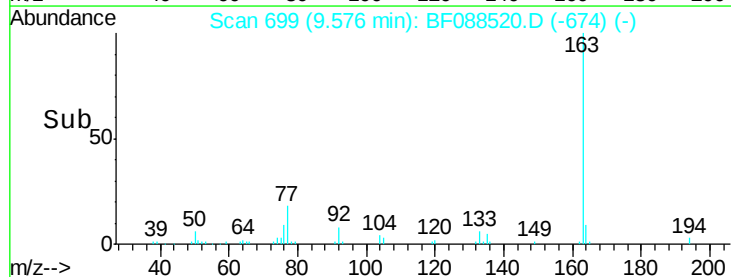
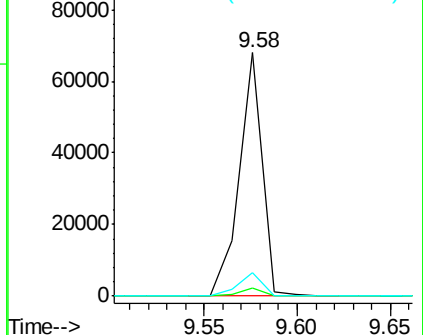
164 9.4 8.5 12.7

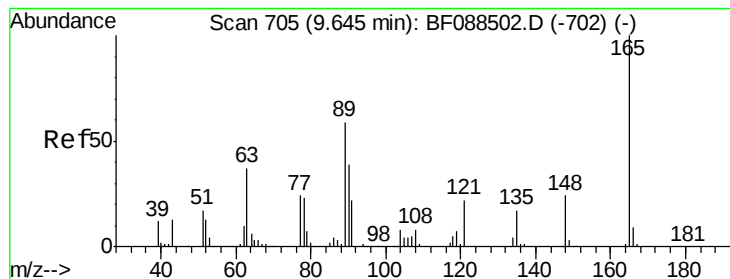


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.52 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.21 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

Instrument :

BNA_F

ClientSampleId :

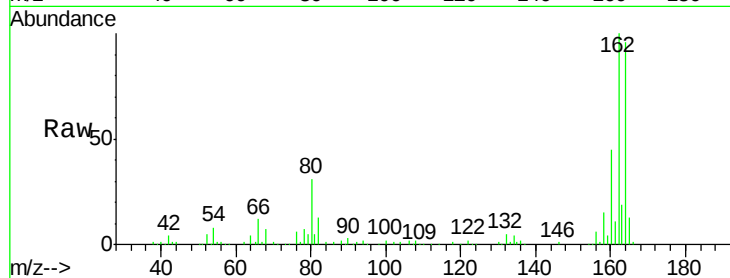
TILCON-GF-016

Tgt Ion:165 Resp: 18515
Ion Ratio Lower Upper

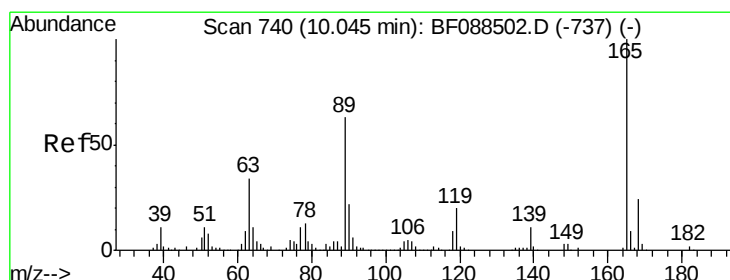
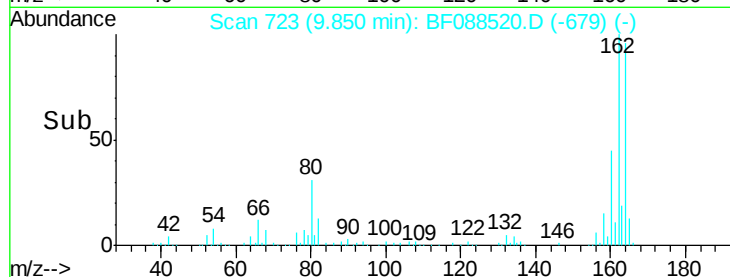
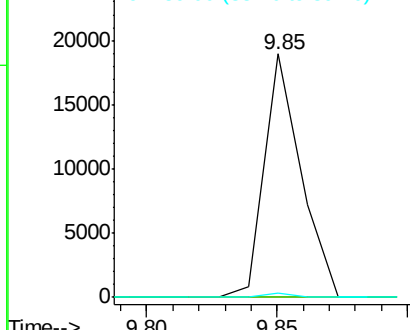
165 100

63 0.0 45.0 67.4#

89 2.0 47.8 71.6#



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



#56

2,4-Dinitrotoluene

Concen: 6.81 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.19 min

Lab File: BF088520.D

Acq: 30 Jun 2016 5:16

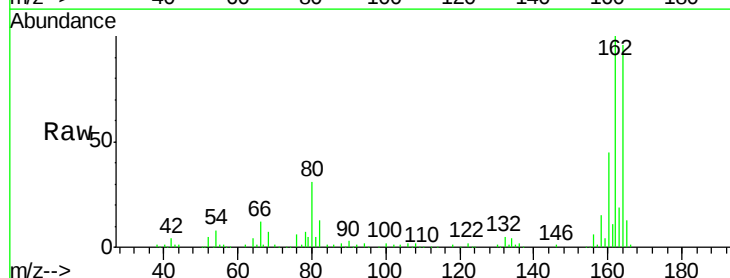
Tgt Ion:165 Resp: 18516
Ion Ratio Lower Upper

165 100

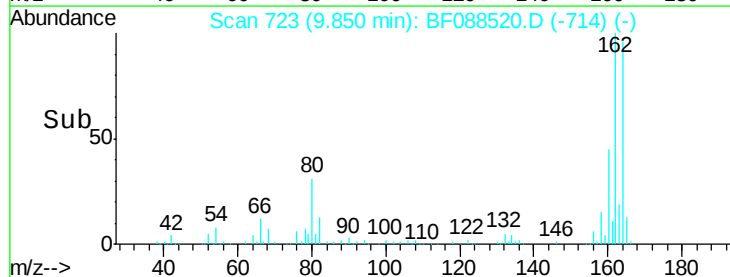
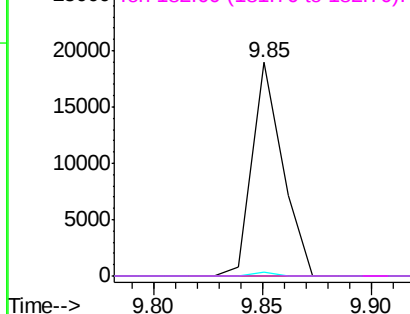
63 0.0 27.3 40.9#

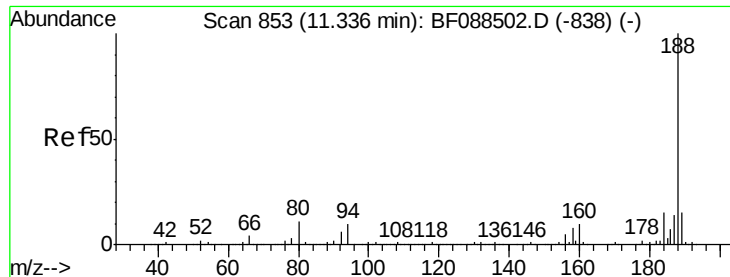
89 2.0 50.4 75.6#

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

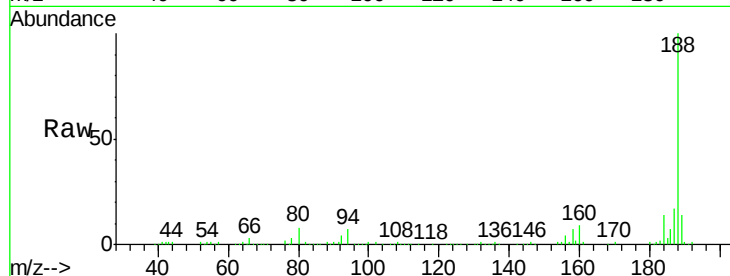




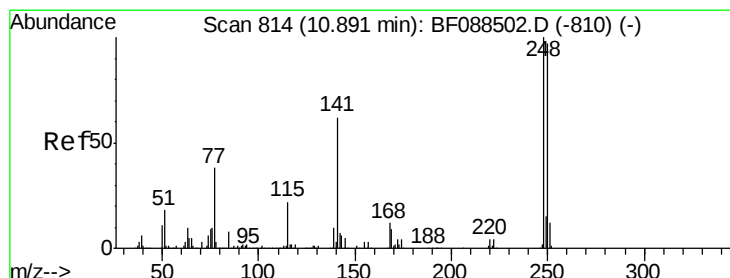
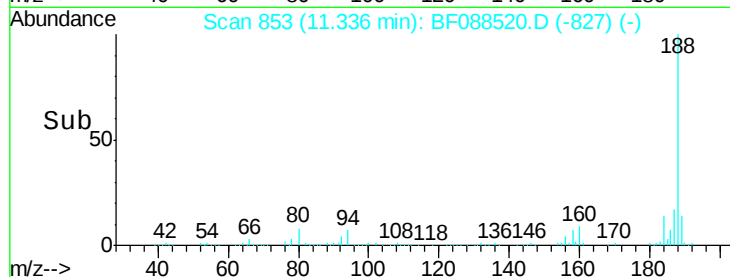
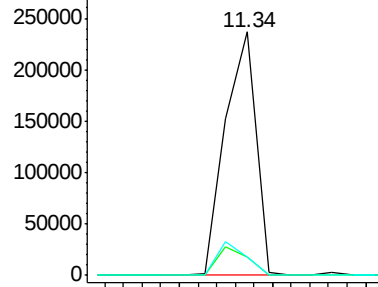
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF088520.D
Acq: 30 Jun 2016 5:16

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-016

Tgt Ion:188 Resp: 270375
Ion Ratio Lower Upper
188 100
94 7.4 7.8 11.8#
80 7.7 8.7 13.1#

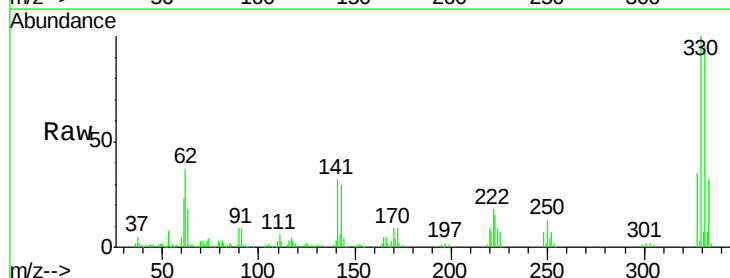


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

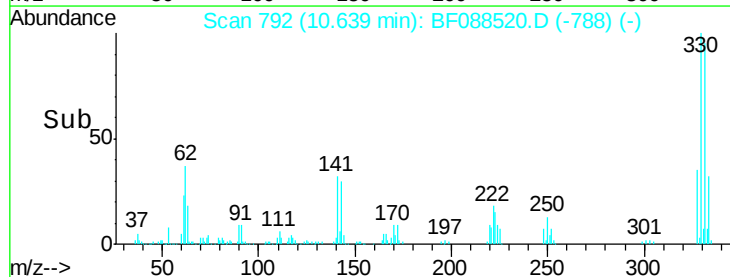
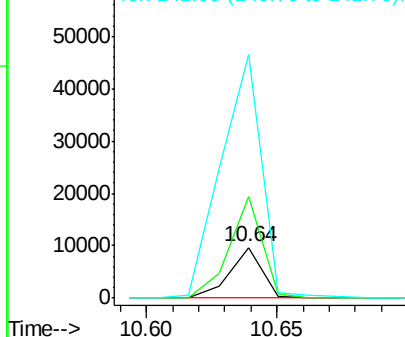


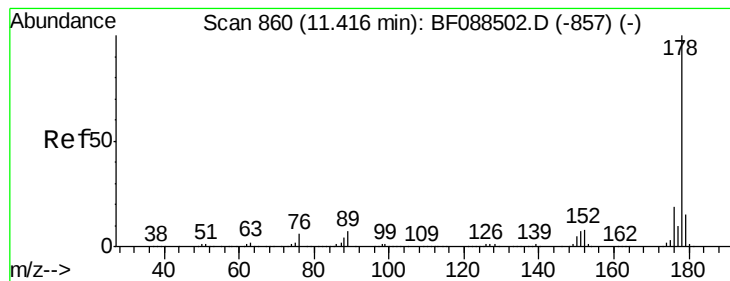
#66
4-Bromophenyl-phenylether
Concen: 2.89 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.25 min
Lab File: BF088520.D
Acq: 30 Jun 2016 5:16

Tgt Ion:248 Resp: 8464
Ion Ratio Lower Upper
248 100
250 201.0 77.7 116.5#
141 480.2 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: BF088520.D

Acq: 30 Jun 2016 5:16

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-016

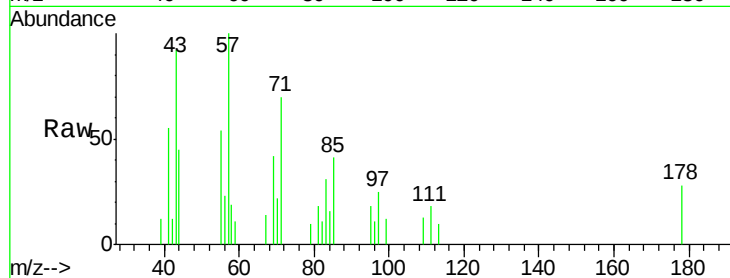
Tgt Ion:178 Resp: 636

Ion Ratio Lower Upper

178 100

176 0.0 15.2 22.8#

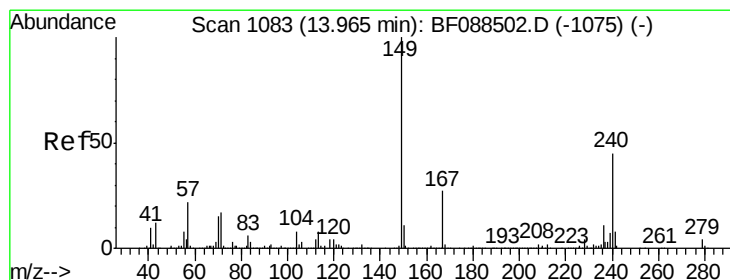
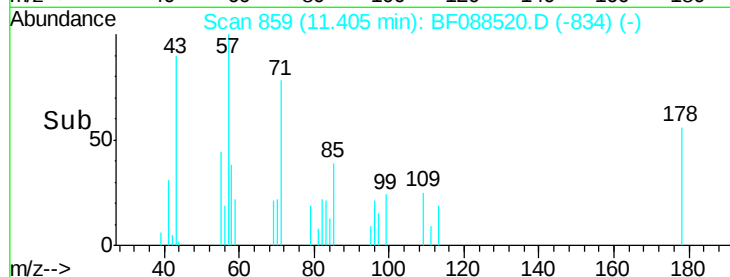
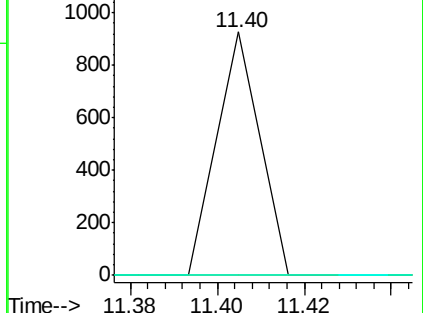
179 0.0 12.3 18.5#



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: BF088520.D

Acq: 30 Jun 2016 5:16

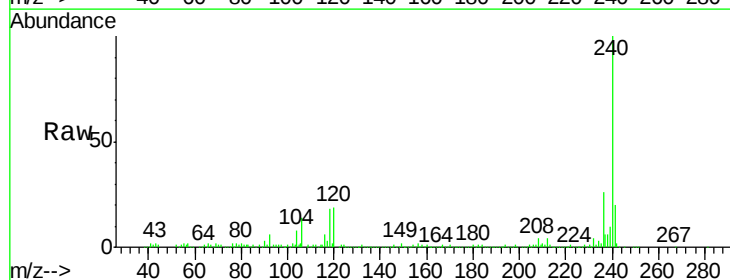
Tgt Ion:240 Resp: 293588

Ion Ratio Lower Upper

240 100

120 19.5 7.1 10.7#

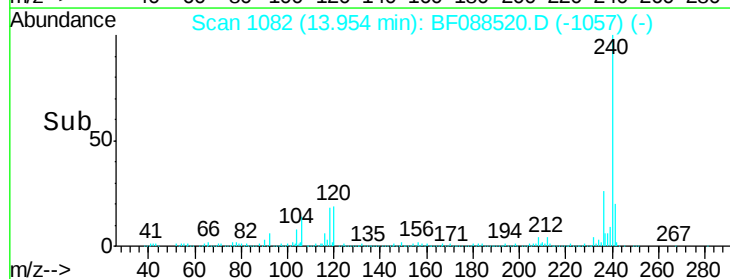
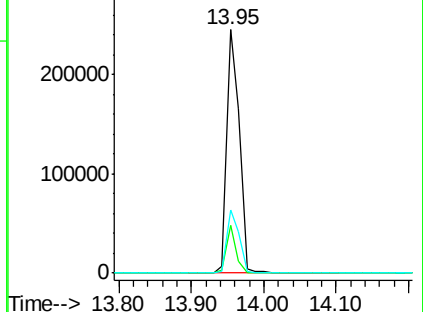
236 26.2 20.3 30.5

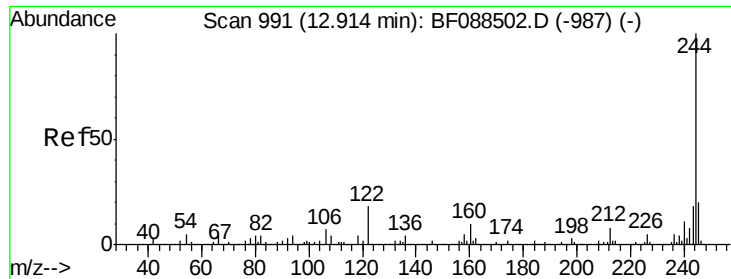


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

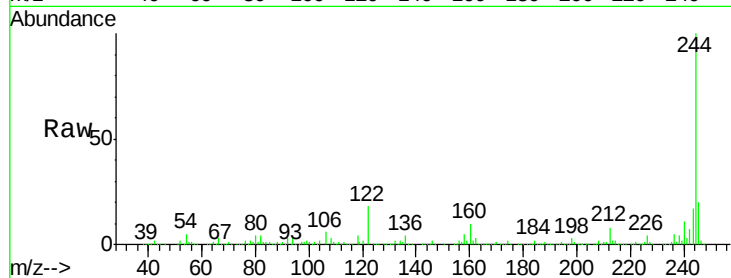




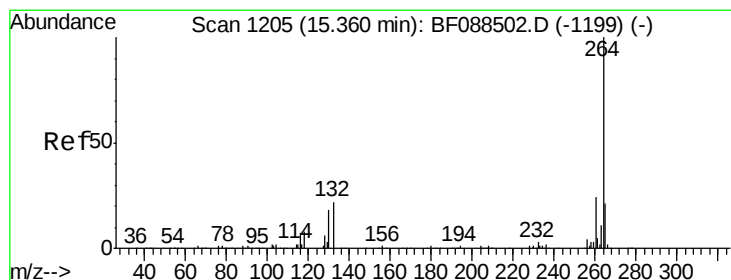
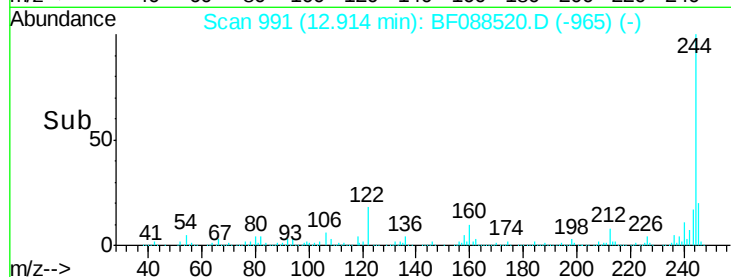
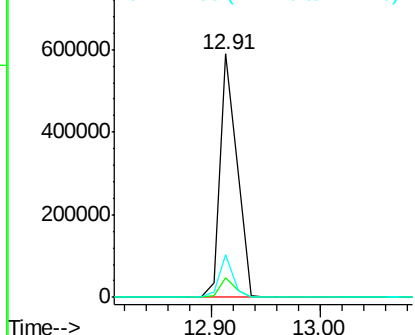
#78
 Terphenyl-d14
 Concen: 40.45 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF088520.D
 Acq: 30 Jun 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-016

Tgt Ion:244 Resp: 636246
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 17.7 14.8 22.2

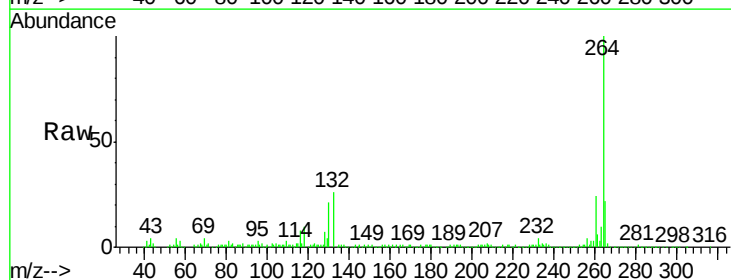


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF088520.D
 Acq: 30 Jun 2016 5:16

Tgt Ion:264 Resp: 280693
 Ion Ratio Lower Upper
 264 100
 260 24.0 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

