

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062916\
 Data File : BF088521.D
 Acq On : 30 Jun 2016 5:45
 Operator : UM/SJ
 Sample : H3830-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-017

Quant Time: Jun 30 07:01:03 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	127854	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	430010	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	172236	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	315223	20.00	ng	0.00
75) Chrysene-d12	13.95	240	296247	20.00	ng	-0.01
86) Perylene-d12	15.36	264	275013	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	669426	81.08	ng	0.00
7) Phenol-d6	6.44	99	853151	80.81	ng	-0.01
23) Nitrobenzene-d5	7.38	82	544278	66.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	142098	107.61	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	863122	78.63	ng	0.00
78) Terphenyl-d14	12.91	244	691303	43.79	ng	0.00

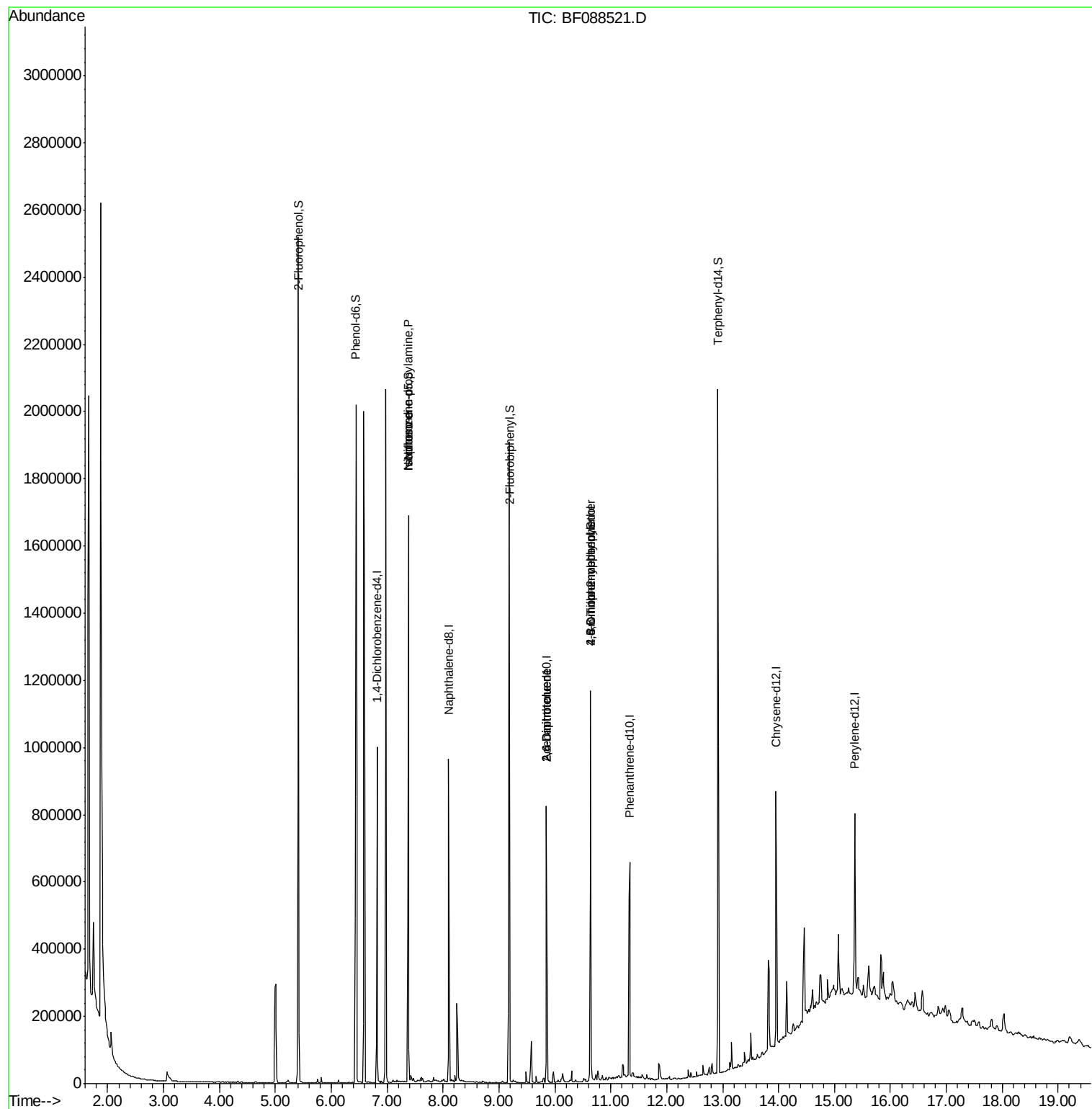
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	74190	10.32	ng	# 79
25) Isophorone	7.38	82	429452	25.96	ng	# 64
45) 1,1'-Biphenyl	9.18	154	1612	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.85	165	22155	8.56	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	22157	6.84	ng	# 30
64) 4,6-Dinitro-2-methylphenol	10.64	198	232	3.42	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9533	2.80	ng	# 1
70) Phenanthrene	11.36	178	2054	Below Cal		# 91
71) Anthracene	11.41	178	725	Below Cal		# 60

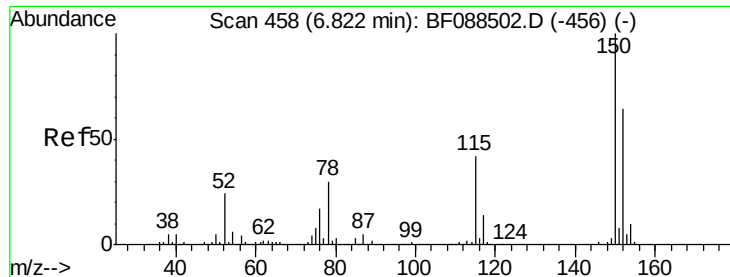
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088521.D

Acq: 30 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-017

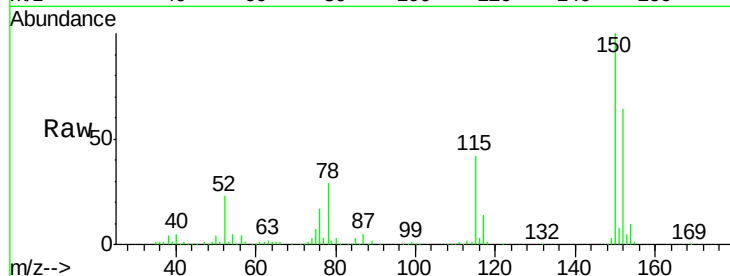
Tgt Ion:152 Resp: 127854

Ion Ratio Lower Upper

152 100

150 156.0 124.5 186.7

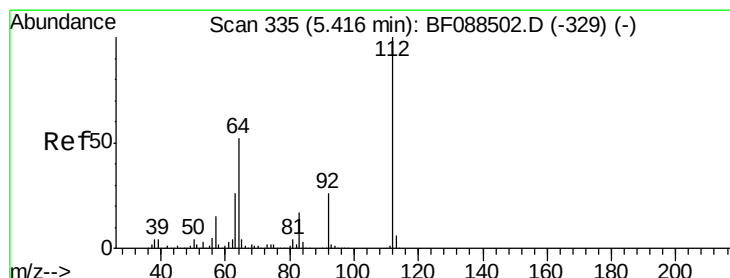
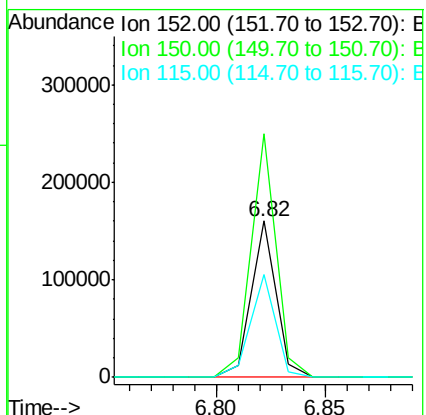
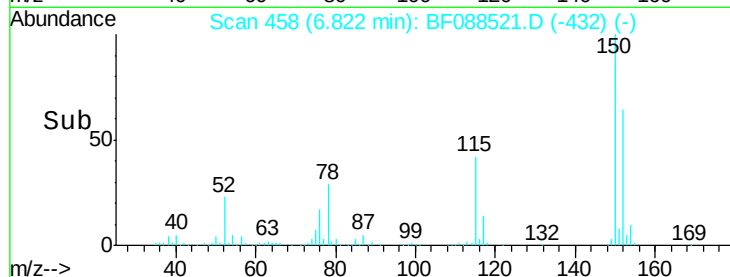
115 66.1 52.3 78.5



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: 81.08 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.00 min

Lab File: BF088521.D

Acq: 30 Jun 2016 5:45

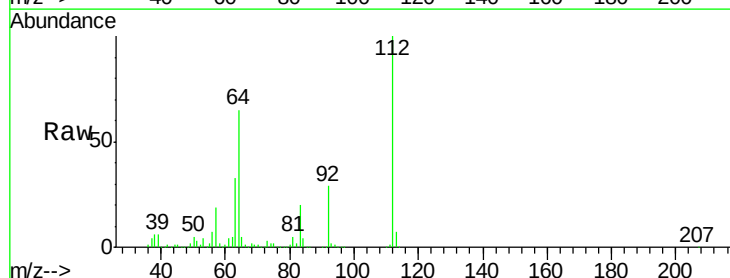
Tgt Ion:112 Resp: 669426

Ion Ratio Lower Upper

112 100

64 64.7 41.5 62.3#

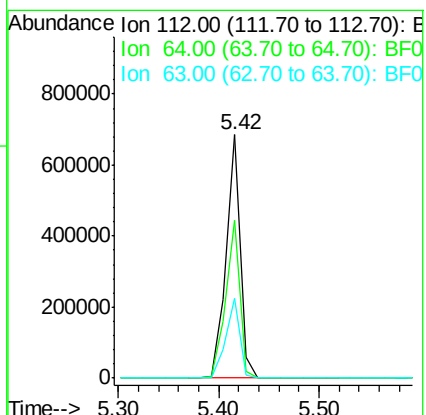
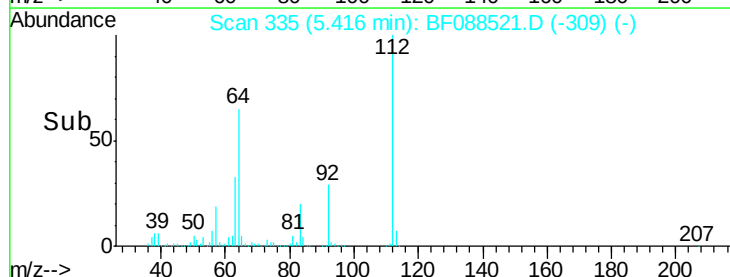
63 32.7 20.6 31.0#

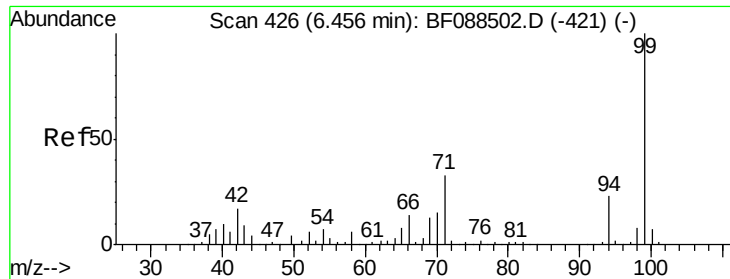


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 80.81 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF088521.D

Acq: 30 Jun 2016 5:45

Instrument :

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TILCON-GF-017

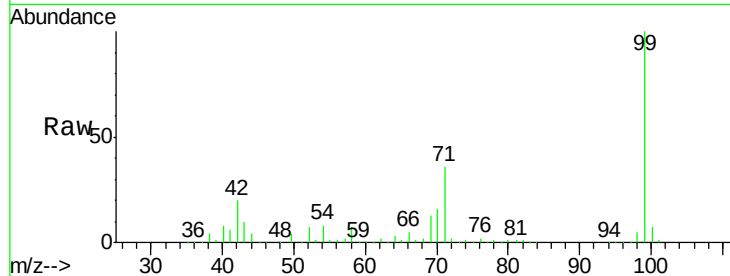
Tgt Ion: 99 Resp: 853151

Ion Ratio Lower Upper

99 100

42 19.6 13.4 20.0

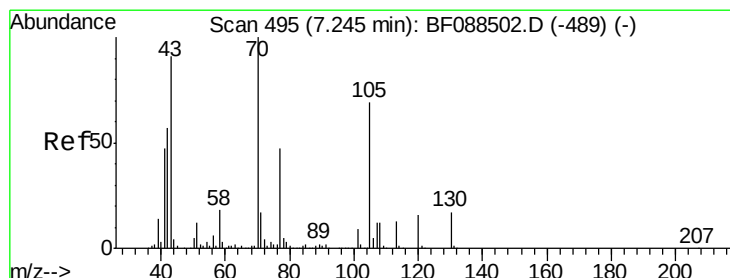
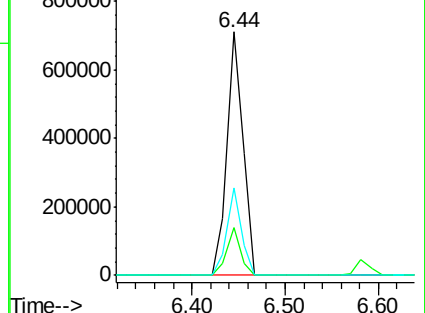
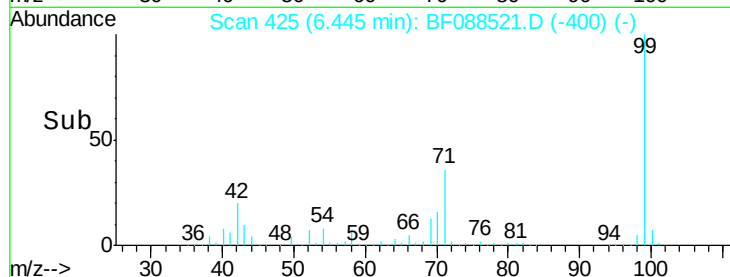
71 35.7 26.1 39.1



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: 10.32 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.14 min

Lab File: BF088521.D

Acq: 30 Jun 2016 5:45

Tgt Ion: 70 Resp: 74190

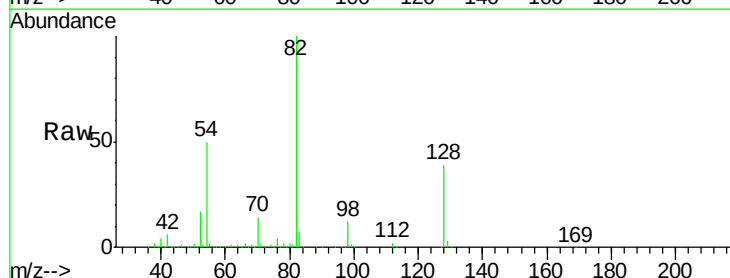
Ion Ratio Lower Upper

70 100

42 45.8 45.9 68.9#

101 0.0 6.8 10.2#

130 2.0 13.9 20.9#

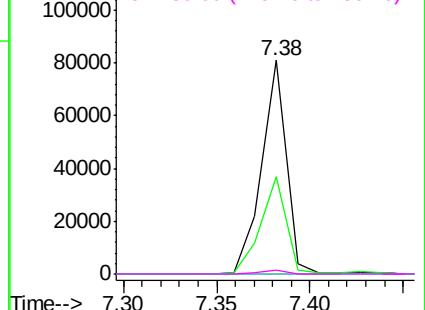
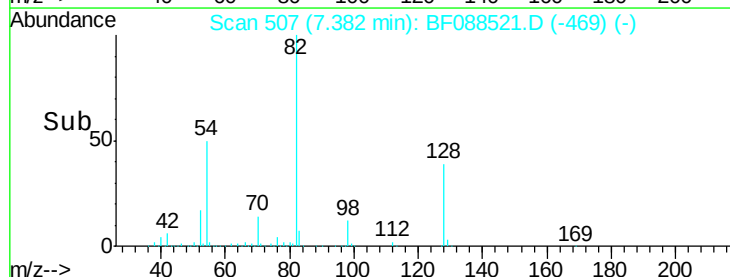


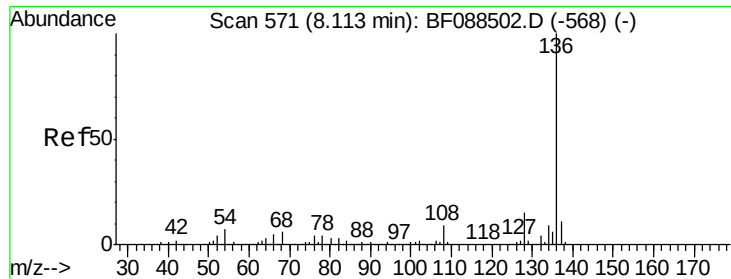
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

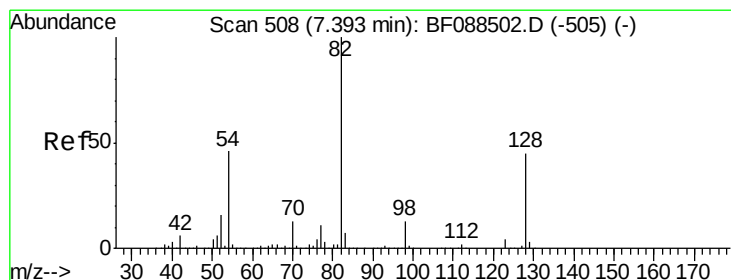
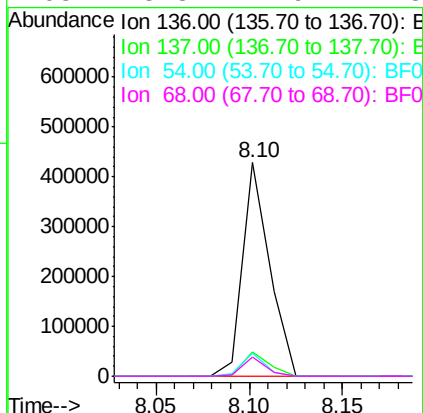
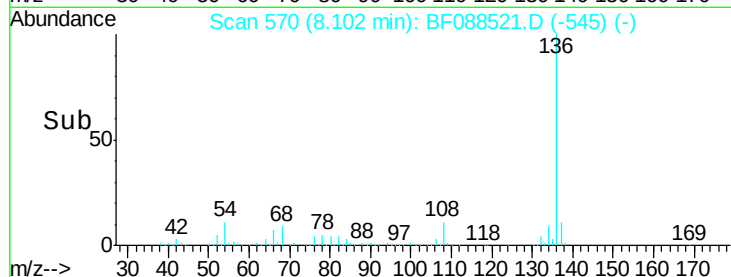
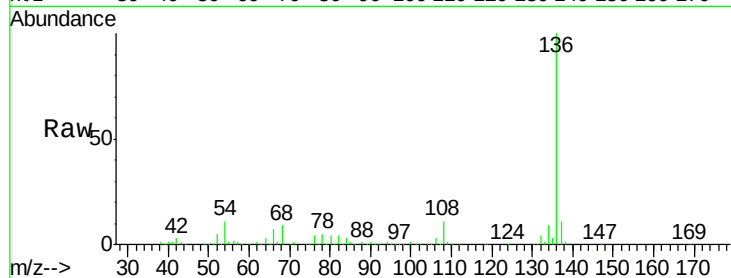




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF088521.D
Acq: 30 Jun 2016 5:45

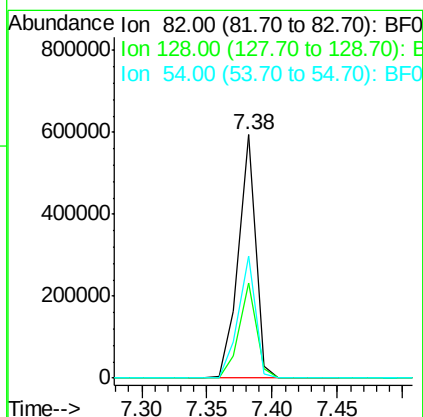
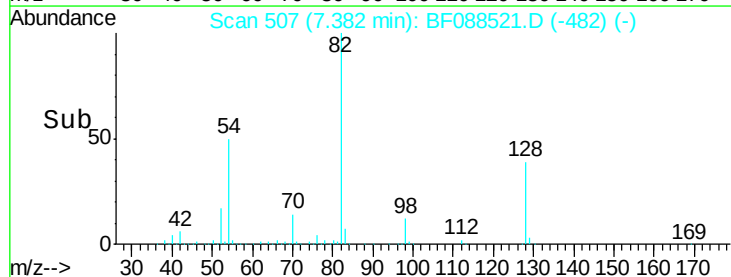
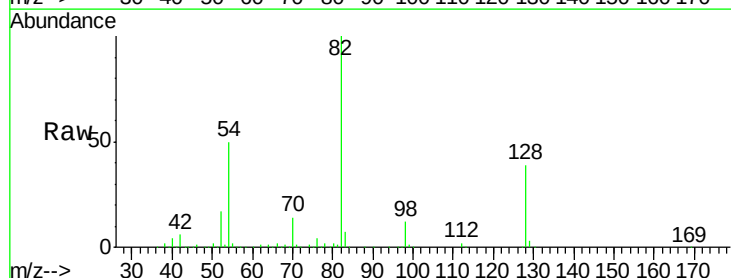
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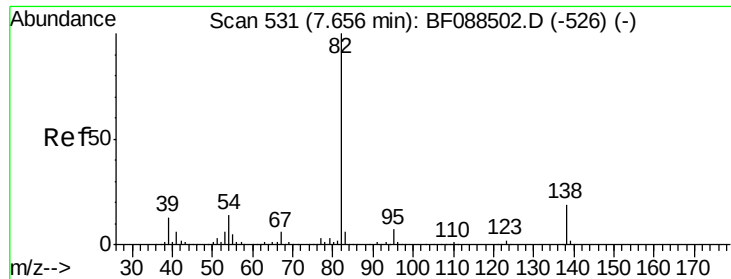
Tgt Ion:	136	Resp:	430010
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.9	5.4	8.2#
68	8.8	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 66.48 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF088521.D
Acq: 30 Jun 2016 5:45

Tgt Ion:	82	Resp:	544278
Ion	Ratio	Lower	Upper
82	100		
128	38.9	35.8	53.8
54	50.3	37.1	55.7

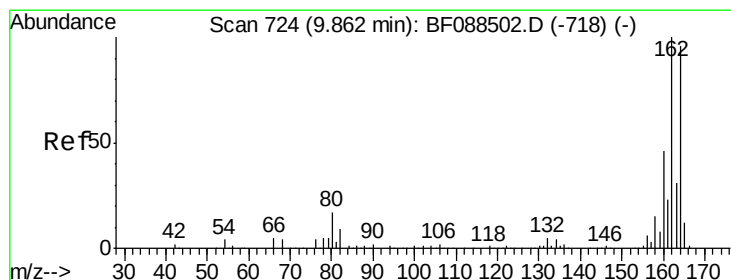
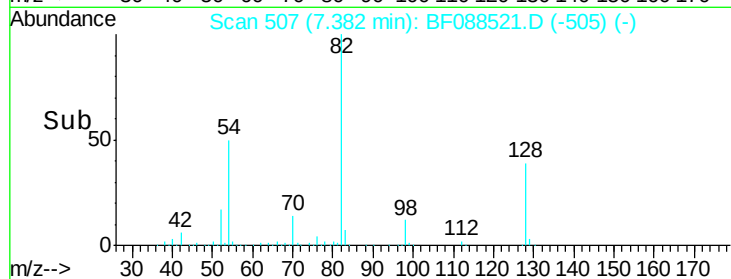
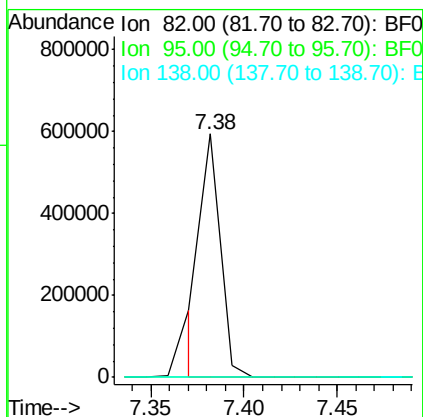
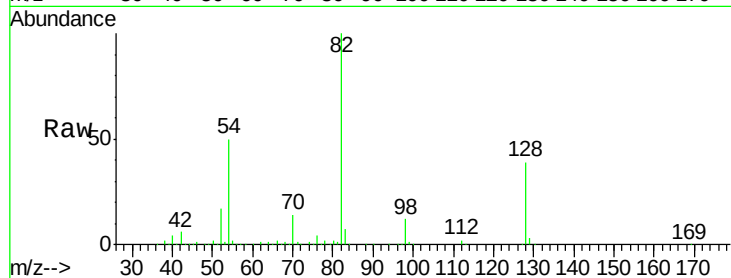




#25
Isophorone
Concen: 25.96 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.27 min
Lab File: BF088521.D
Acq: 30 Jun 2016 5:45

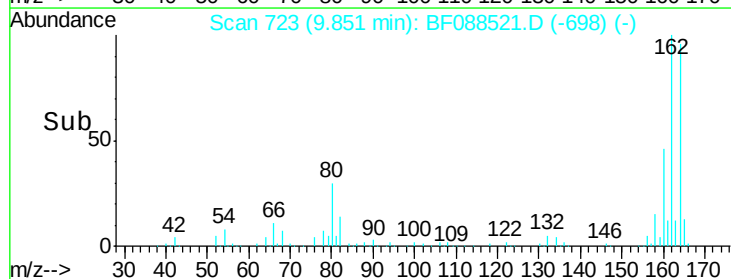
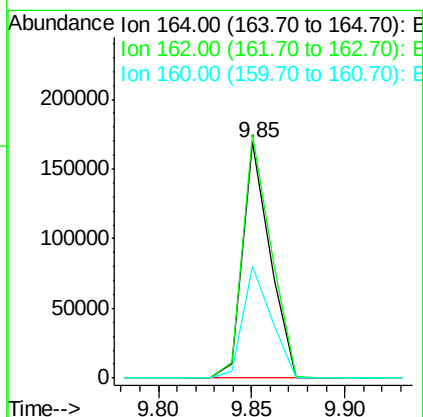
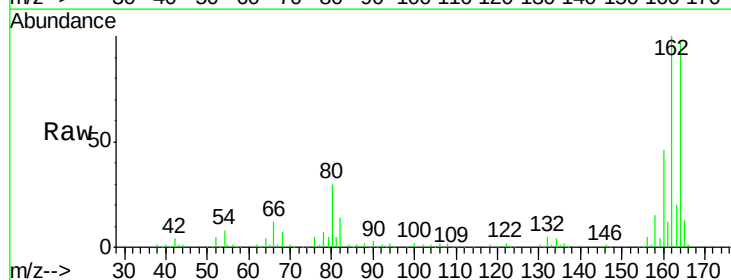
Instrument :
BNA_F
ClientSampleId :
TILCON-GF-017

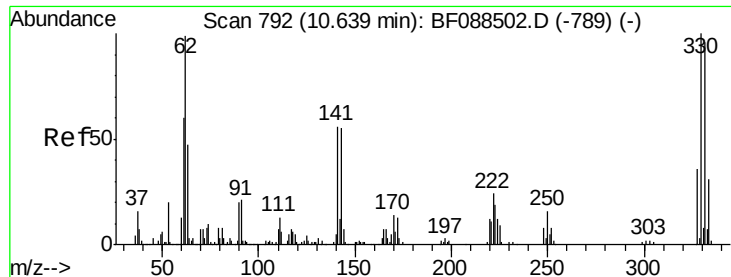
Tgt Ion: 82 Resp: 429452
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF088521.D
Acq: 30 Jun 2016 5:45

Tgt Ion: 164 Resp: 172236
Ion Ratio Lower Upper
164 100
162 103.3 83.7 125.5
160 47.2 38.9 58.3

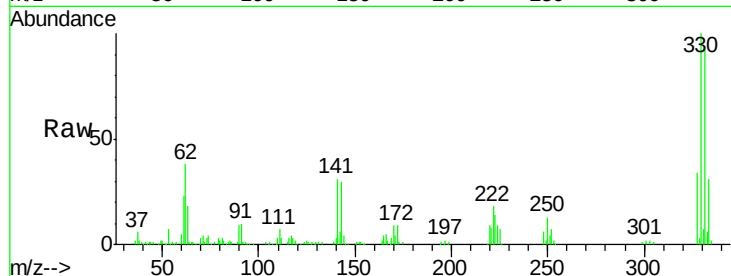




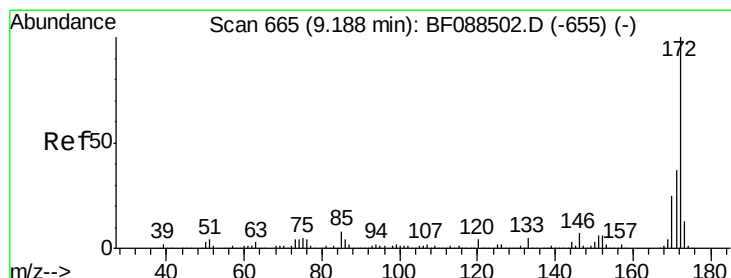
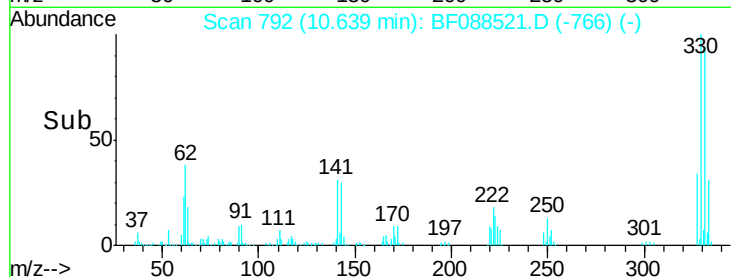
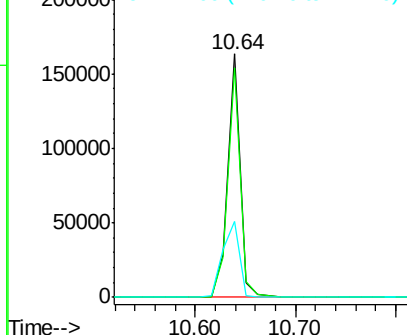
#41
 2,4,6-Tribromophenol
 Concen: 107.61 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF088521.D
 Acq: 30 Jun 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-017

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	0.0	0.0#
141	41.7	0.0	0.0#

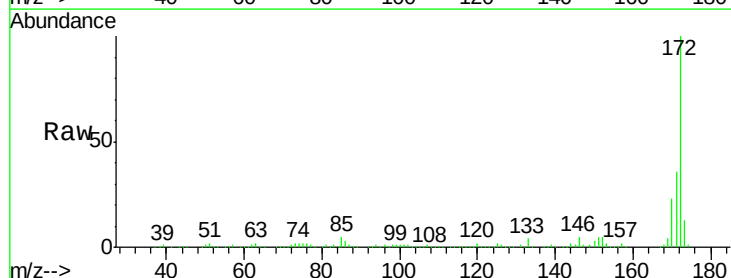


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

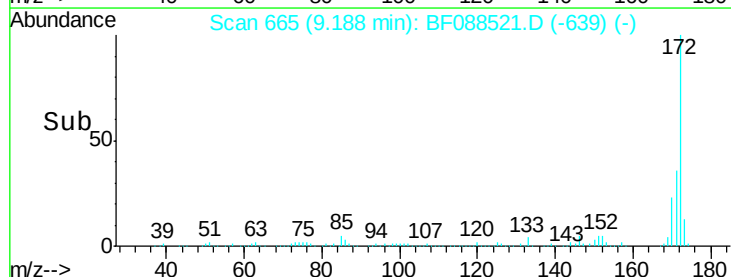
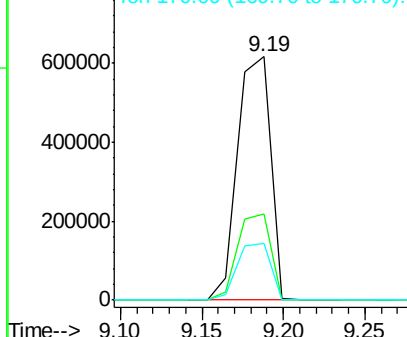


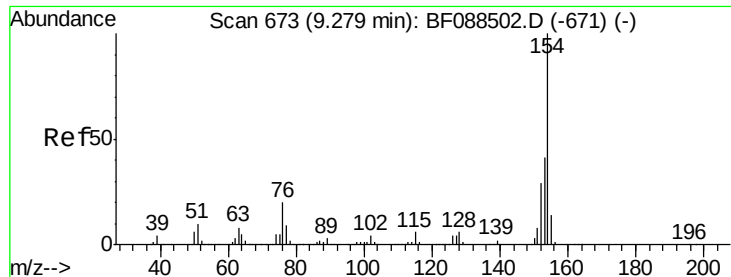
#44
 2-Fluorobiphenyl
 Concen: 78.63 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF088521.D
 Acq: 30 Jun 2016 5:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.3	43.9
170	23.1	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: BF088521.D

Acq: 30 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-017

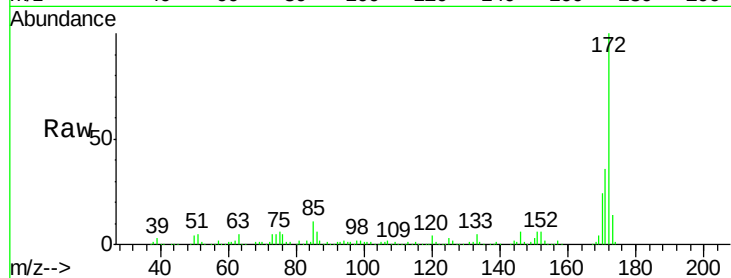
Tgt Ion:154 Resp: 1612

Ion Ratio Lower Upper

154 100

153 842.4 20.8 60.8#

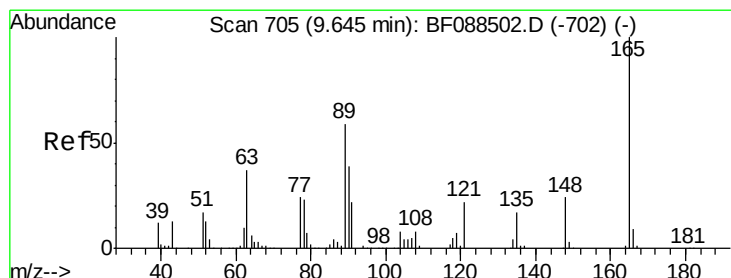
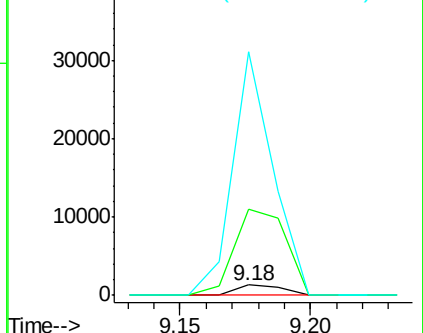
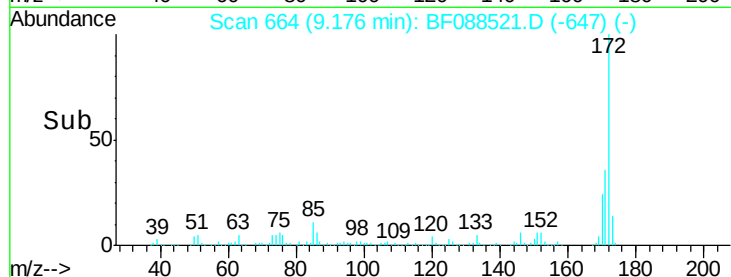
76 2396.9 0.0 39.9#



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



#50

2,6-Dinitrotoluene

Concen: 8.56 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.21 min

Lab File: BF088521.D

Acq: 30 Jun 2016 5:45

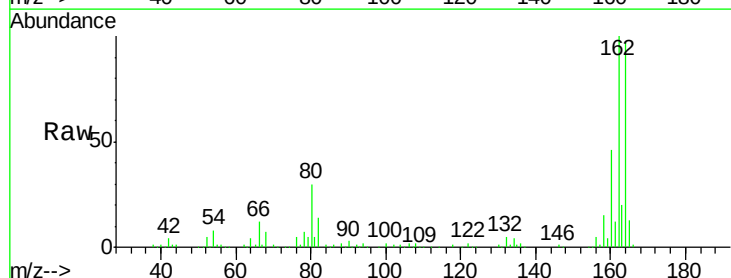
Tgt Ion:165 Resp: 22155

Ion Ratio Lower Upper

165 100

63 1.8 45.0 67.4#

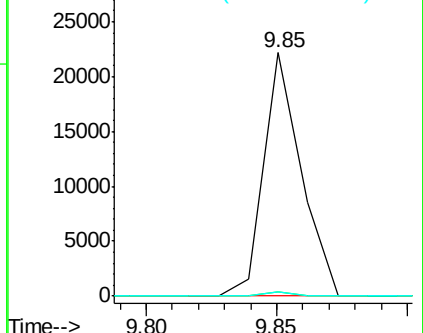
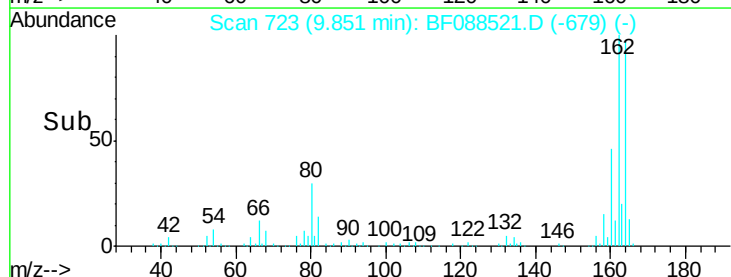
89 1.5 47.8 71.6#

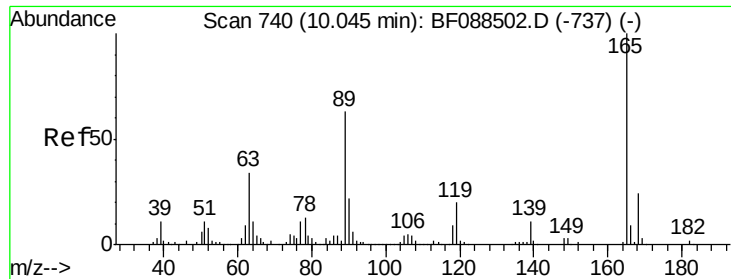


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

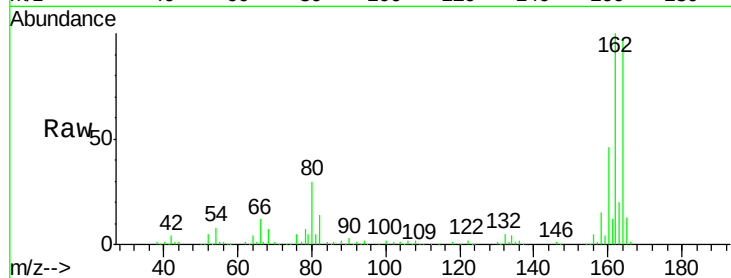




#56
 2,4-Dinitrotoluene
 Concen: 6.84 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.19 min
 Lab File: BF088521.D
 Acq: 30 Jun 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-017

Tgt Ion:	165	Resp:	22157
Ion Ratio	Lower	Upper	
165	100		
63	1.8	27.3	40.9#
89	1.5	50.4	75.6#
182	0.0	2.0	3.0#

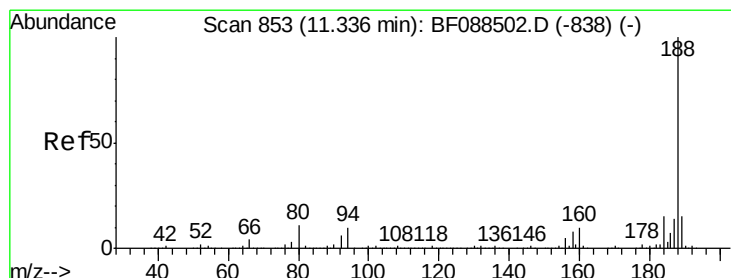
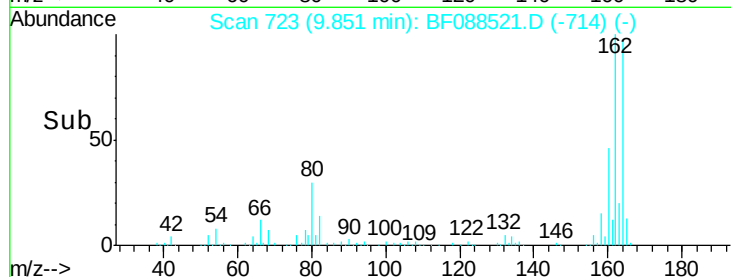
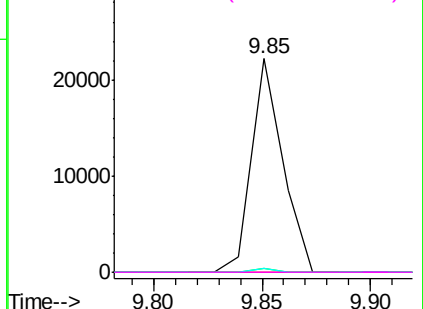


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

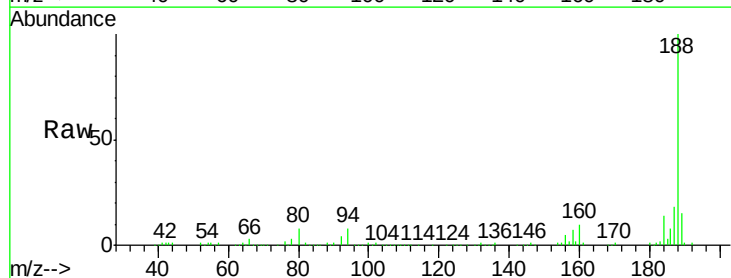
Ion 89.00 (88.70 to 89.70): BF0

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: BF088521.D
 Acq: 30 Jun 2016 5:45

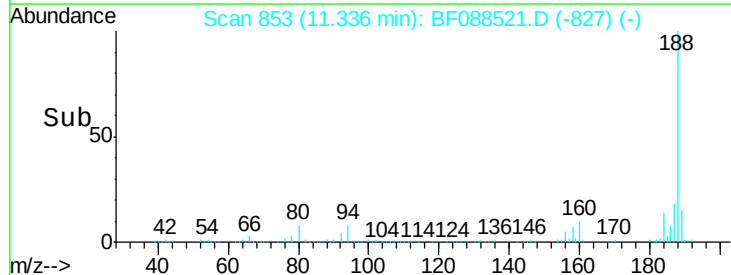
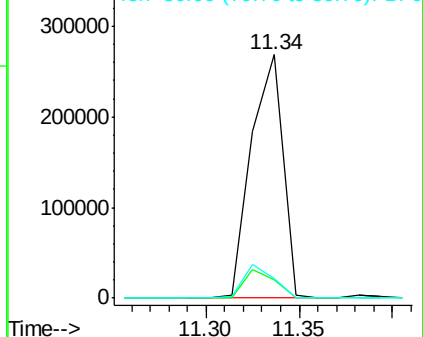
Tgt Ion:	188	Resp:	315223
Ion Ratio	Lower	Upper	
188	100		
94	7.5	7.8	11.8#
80	7.9	8.7	13.1#

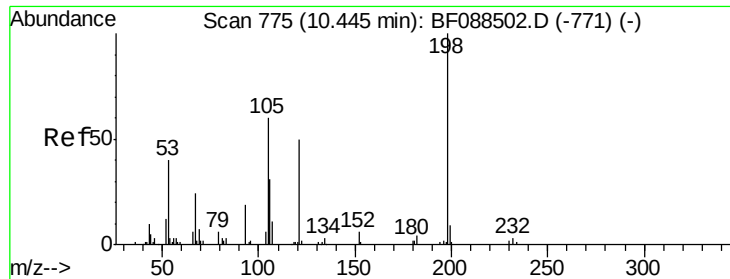


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

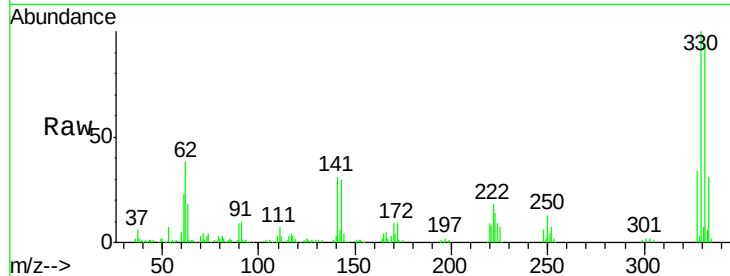




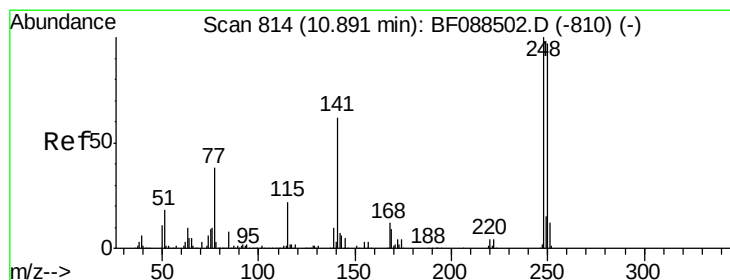
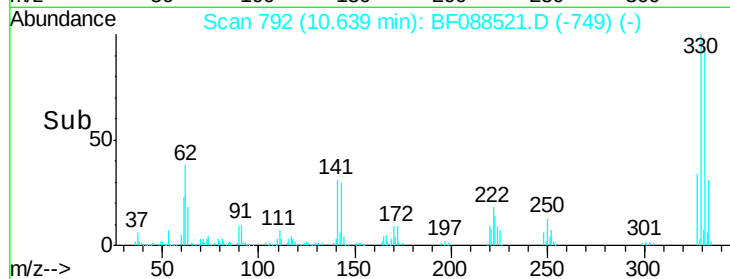
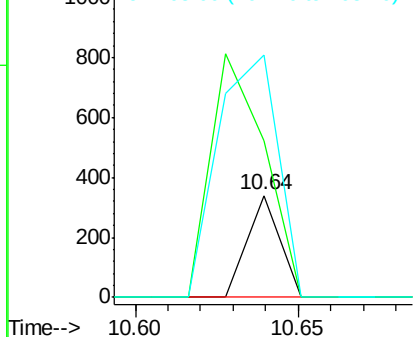
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.42 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.20 min
 Lab File: BF088521.D
 Acq: 30 Jun 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-017

Tgt Ion:198 Resp: 232
 Ion Ratio Lower Upper
 198 100
 51 154.0 42.4 82.4#
 105 238.3 41.2 81.2#

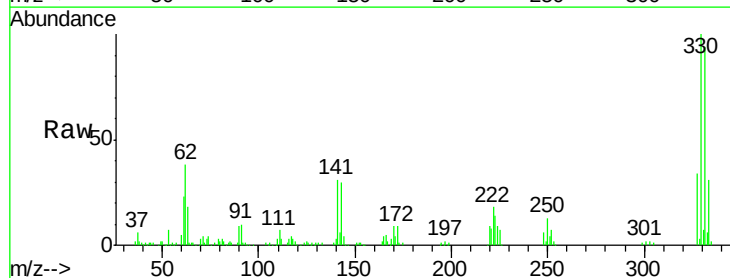


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

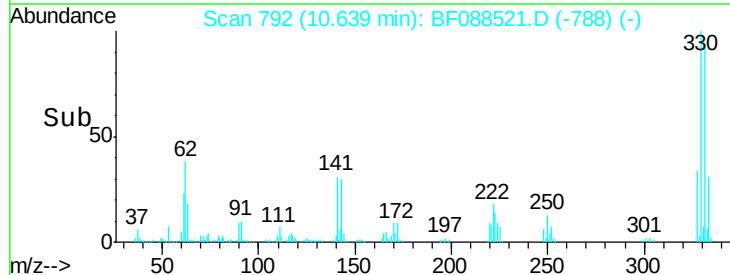
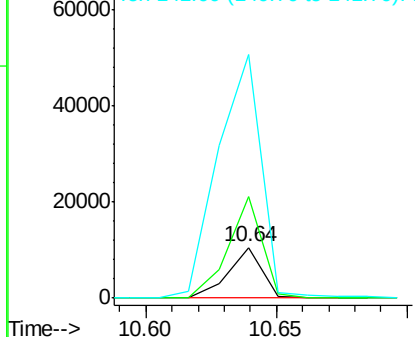


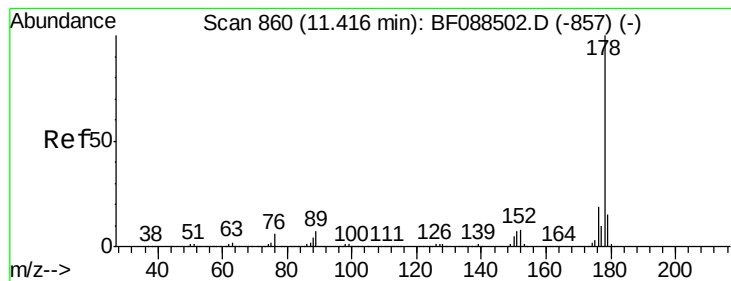
#66
 4-Bromophenyl-phenylether
 Concen: 2.80 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.25 min
 Lab File: BF088521.D
 Acq: 30 Jun 2016 5:45

Tgt Ion:248 Resp: 9533
 Ion Ratio Lower Upper
 248 100
 250 200.3 77.7 116.5#
 141 478.6 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: 11.41 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF088521.D

Acq: 30 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-017

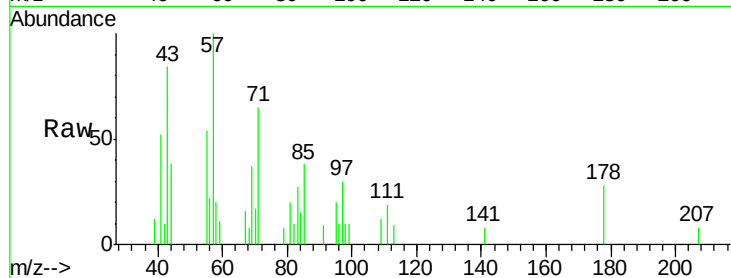
Tgt Ion:178 Resp: 725

Ion Ratio Lower Upper

178 100

176 0.0 15.2 22.8#

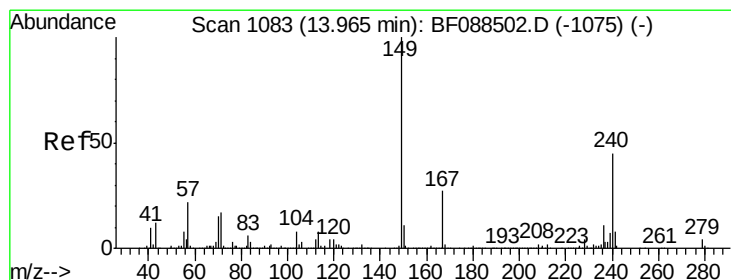
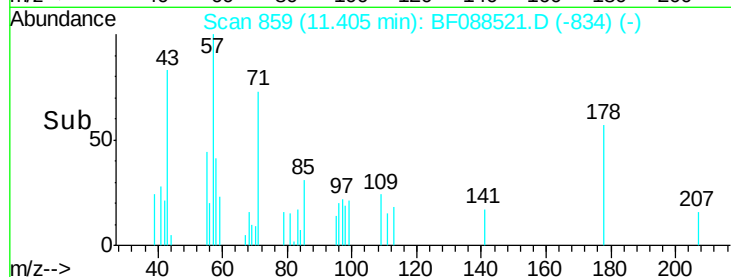
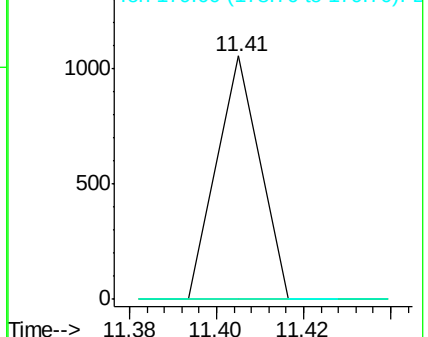
179 0.0 12.3 18.5#



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: BF088521.D

Acq: 30 Jun 2016 5:45

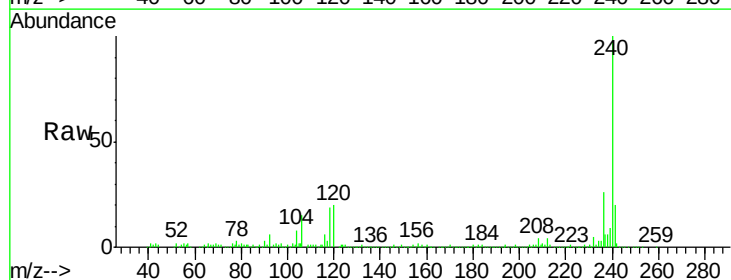
Tgt Ion:240 Resp: 296247

Ion Ratio Lower Upper

240 100

120 19.8 7.1 10.7#

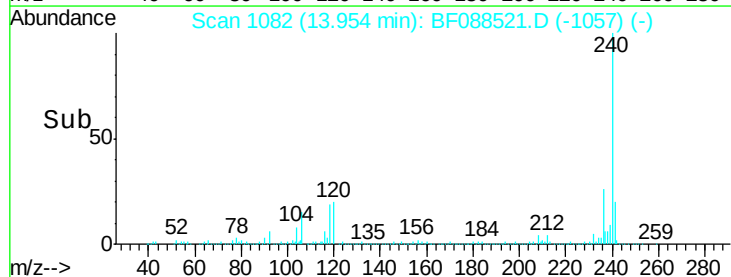
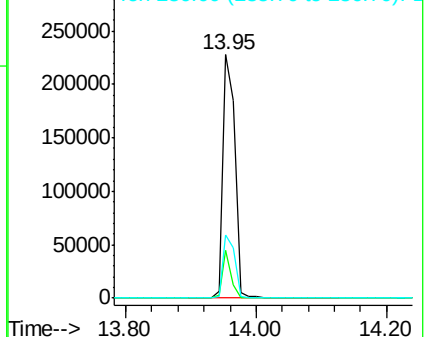
236 25.8 20.3 30.5

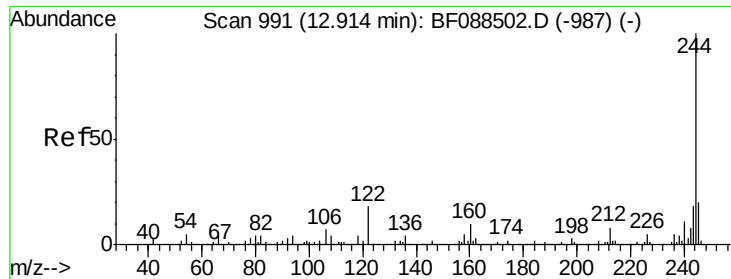


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

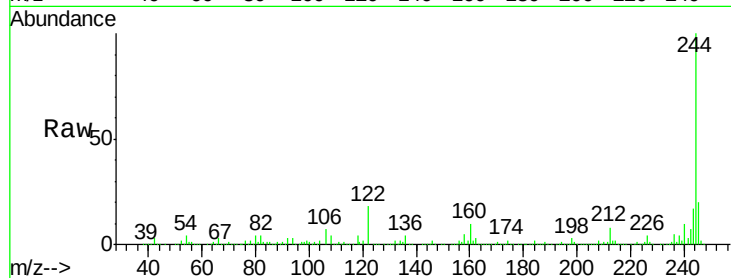




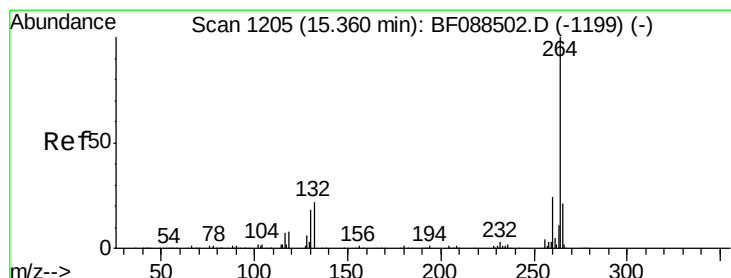
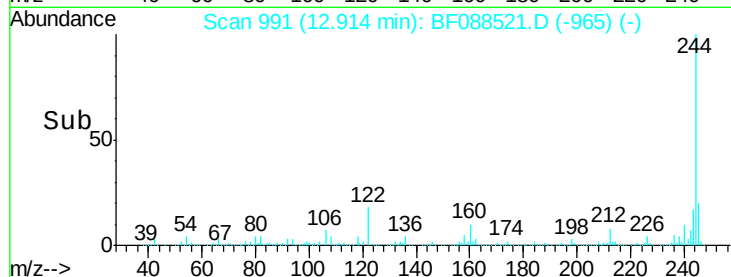
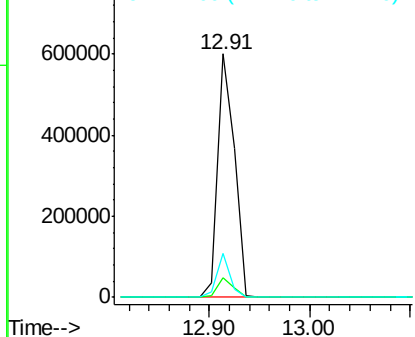
#78
 Terphenyl-d14
 Concen: 43.79 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF088521.D
 Acq: 30 Jun 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-017

Tgt Ion:244 Resp: 691303
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 18.1 14.8 22.2

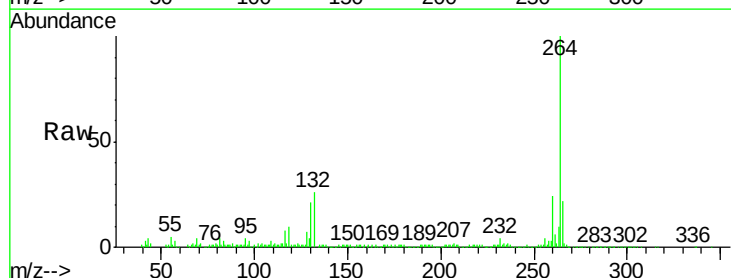


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF088521.D
 Acq: 30 Jun 2016 5:45

Tgt Ion:264 Resp: 275013
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.3 28.9
 265 22.0 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

