

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062916\
 Data File : BF088523.D
 Acq On : 30 Jun 2016 6:42
 Operator : UM/SJ
 Sample : H3830-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-019

Quant Time: Jun 30 07:14:37 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

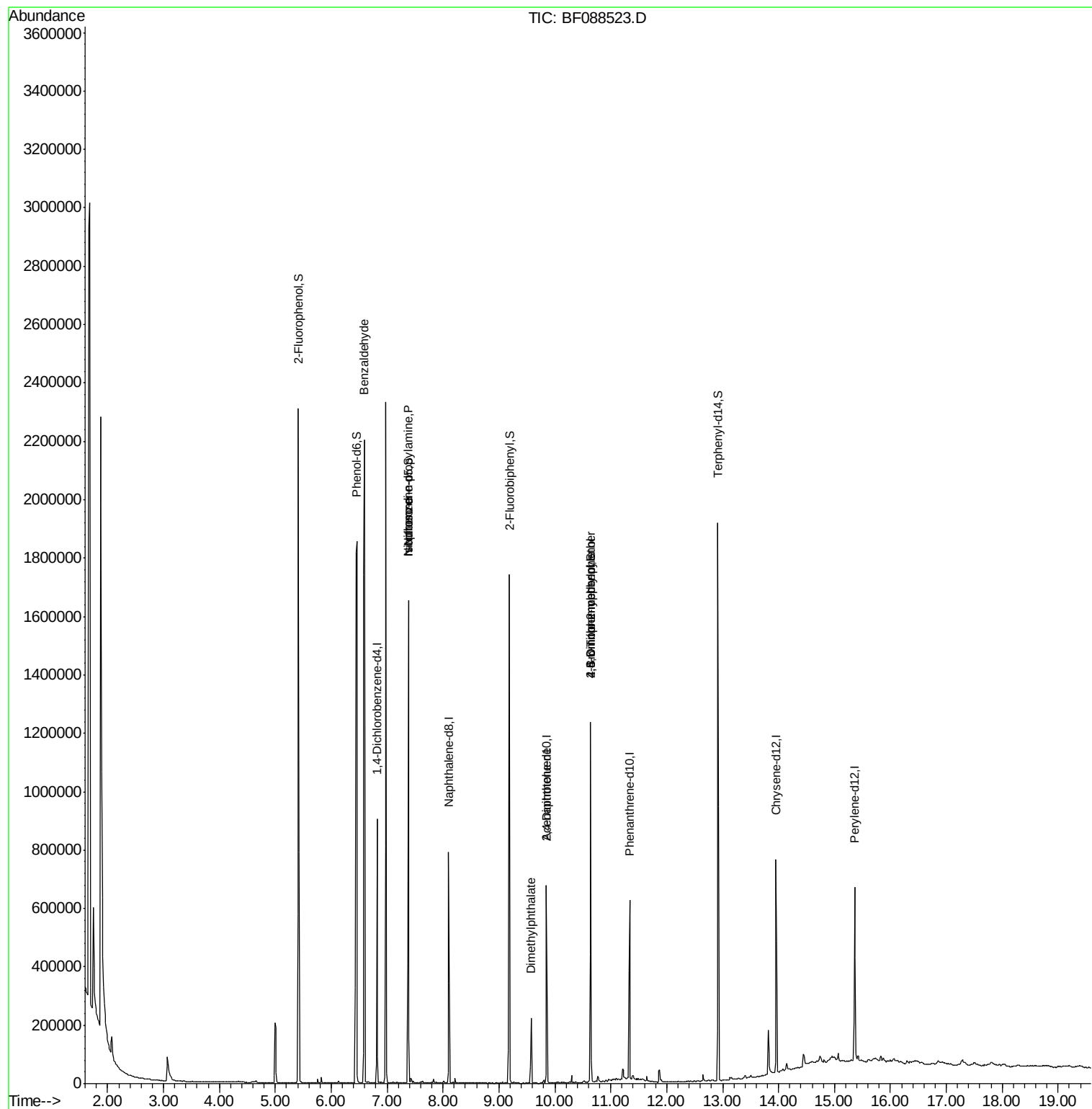
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	114474	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	378357	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	145343	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	270327	20.00	ng	0.00
75) Chrysene-d12	13.95	240	285493	20.00	ng	-0.01
86) Perylene-d12	15.36	264	269355	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	731402	98.94	ng	0.00
7) Phenol-d6	6.46	99	1028121	108.76	ng	0.00
23) Nitrobenzene-d5	7.38	82	531282	73.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	129159	115.90	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	836457	95.55	ng	0.00
78) Terphenyl-d14	12.91	244	655450	43.03	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	19952	5.26	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.38	70	72958	11.34	ng	# 80
25) Isophorone	7.38	82	432149	29.69	ng	# 64
45) 1,1'-Biphenyl	9.18	154	1581	Below Cal	#	1
49) Dimethylphthalate	9.58	163	88881	6.34	ng	98
56) 2,4-Dinitrotoluene	9.85	165	18422	6.74	ng	# 28
64) 4,6-Dinitro-2-methylphenol	10.64	198	304	3.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9382	3.21	ng	# 1
70) Phenanthrene	11.36	178	252	Below Cal	#	59
71) Anthracene	11.36	178	252	Below Cal	#	60

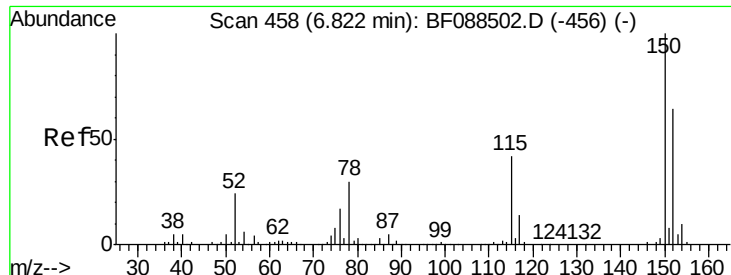
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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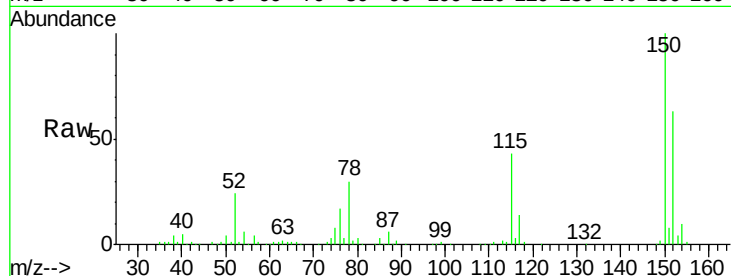


#1

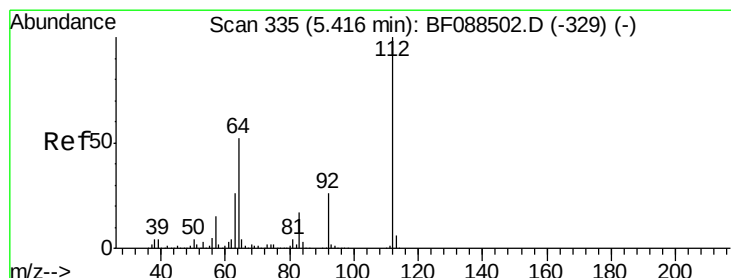
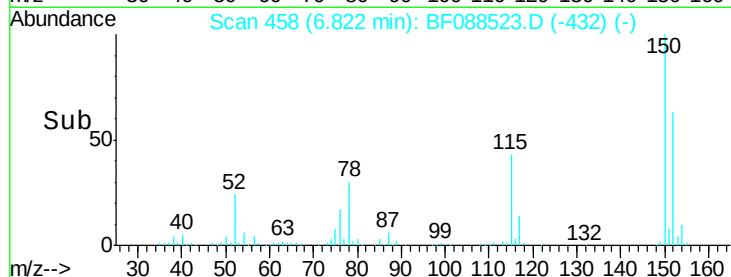
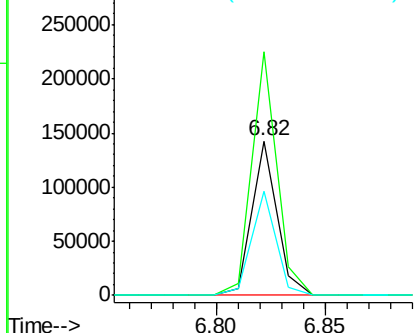
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF088523.D
Acq: 30 Jun 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-019

Tgt Ion:152 Resp: 114474
Ion Ratio Lower Upper
152 100
150 157.6 124.5 186.7
115 67.4 52.3 78.5



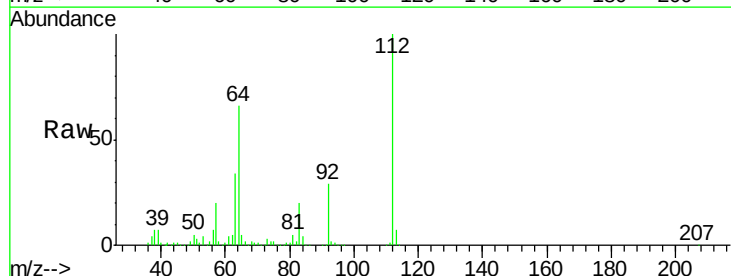
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



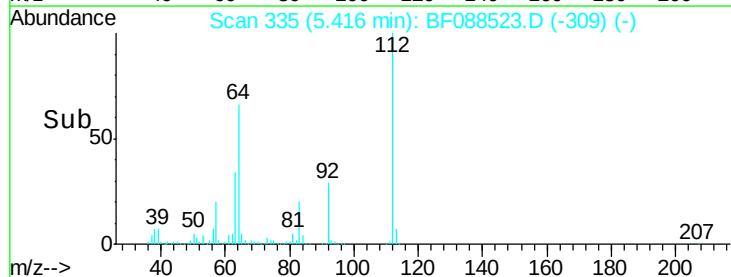
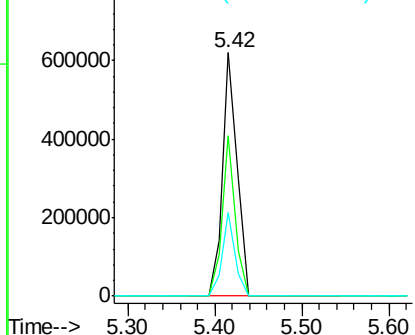
#5

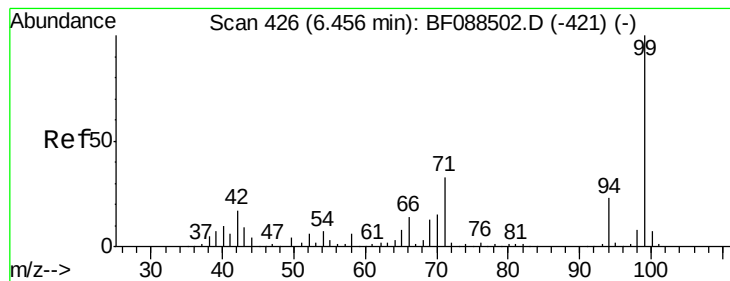
2-Fluorophenol
Concen: 98.94 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.00 min
Lab File: BF088523.D
Acq: 30 Jun 2016 6:42

Tgt Ion:112 Resp: 731402
Ion Ratio Lower Upper
112 100
64 65.9 41.5 62.3#
63 34.2 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: 108.76 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: BF088523.D

Acq: 30 Jun 2016 6:42

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-019

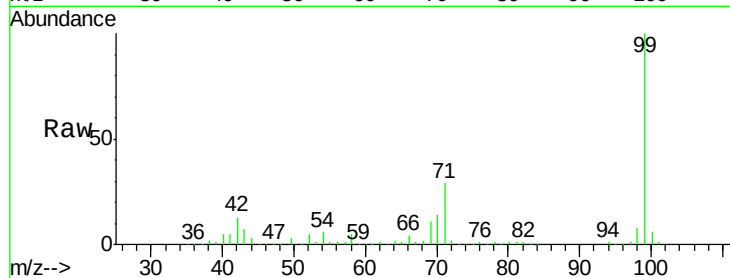
Tgt Ion: 99 Resp: 1028121

Ion Ratio Lower Upper

99 100

42 12.9 13.4 20.0#

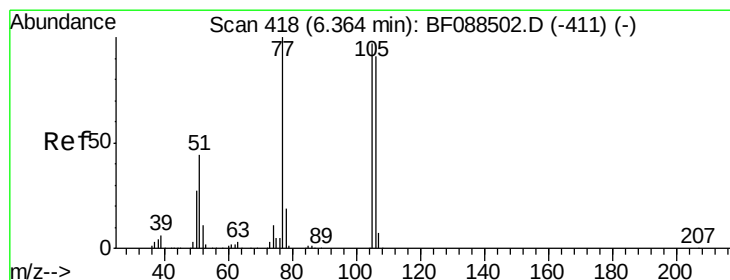
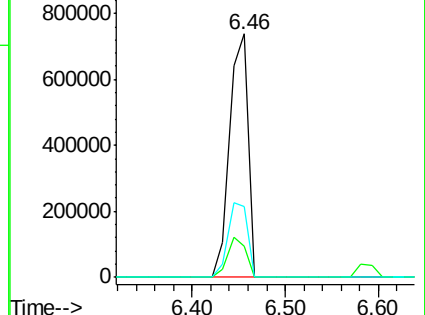
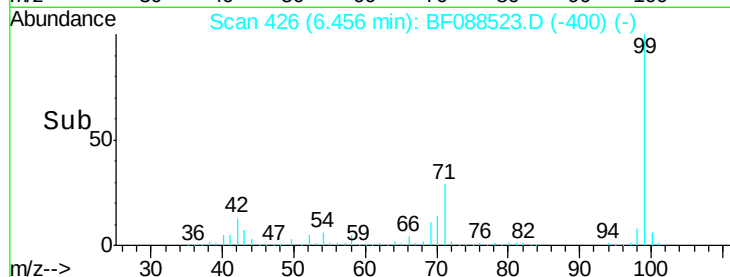
71 29.2 26.1 39.1



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



#9

Benzaldehyde

Concen: 5.26 ng

RT: 6.59 min Scan# 438

Delta R.T. 0.23 min

Lab File: BF088523.D

Acq: 30 Jun 2016 6:42

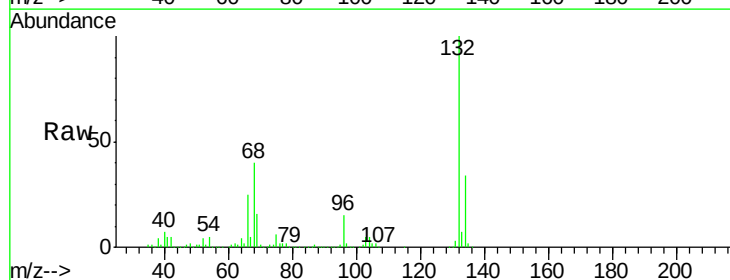
Tgt Ion: 77 Resp: 19952

Ion Ratio Lower Upper

77 100

105 80.9 76.6 116.6

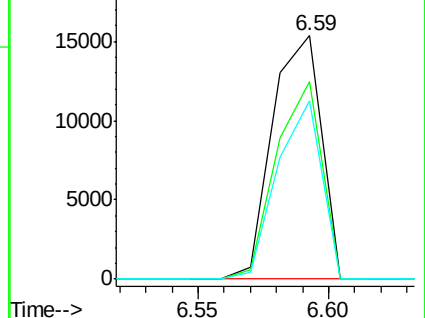
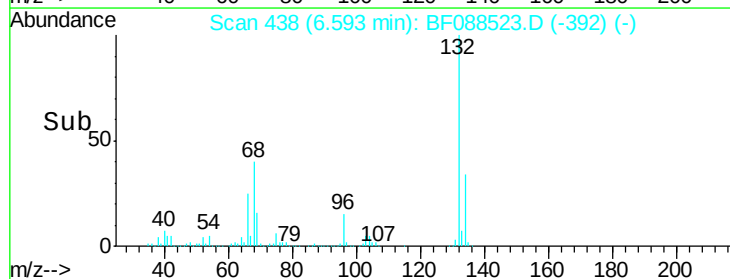
106 73.2 70.8 110.8

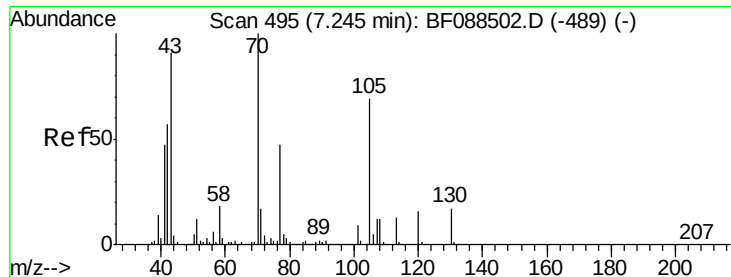


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

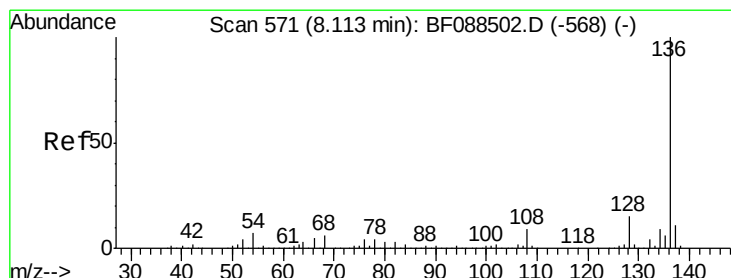
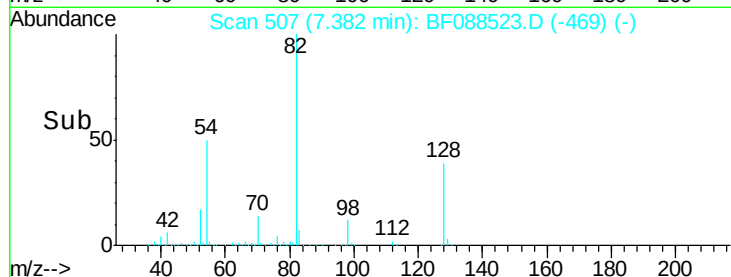
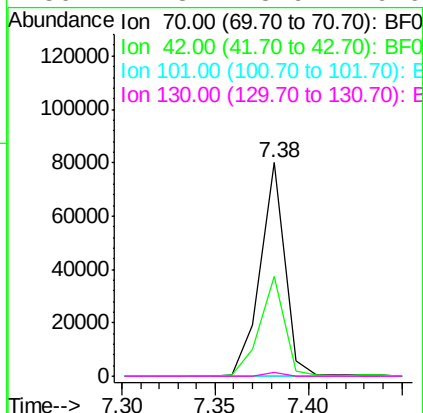
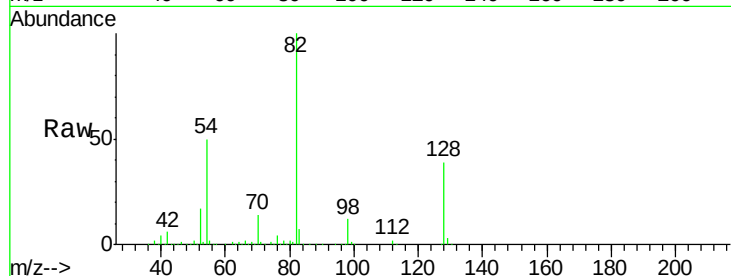




#19
n-Nitroso-di-n-propylamine
Concen: 11.34 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.14 min
Lab File: BF088523.D
Acq: 30 Jun 2016 6:42

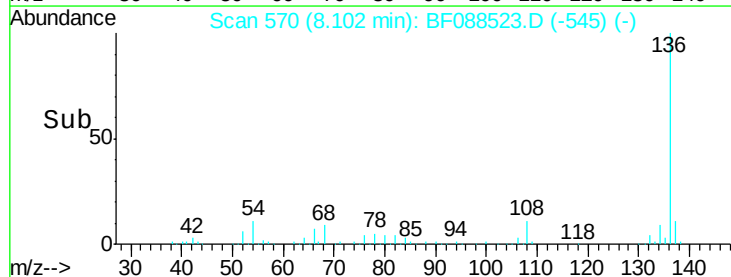
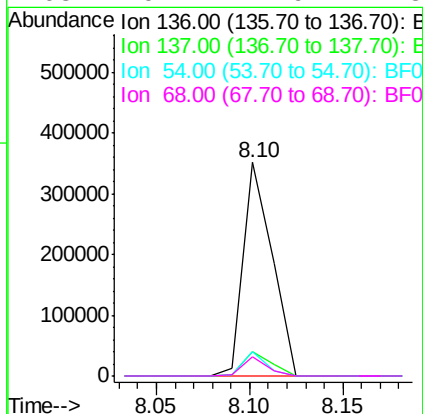
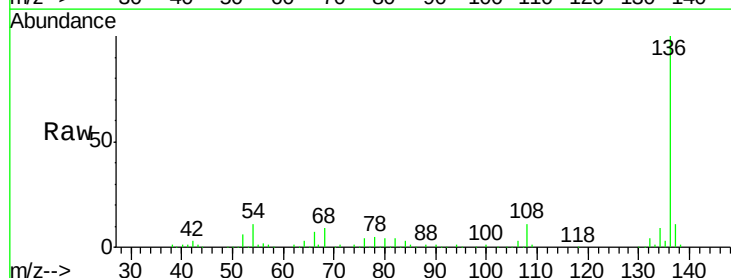
Instrument :
BNA_F
ClientSampleId :
TILCON-GF-019

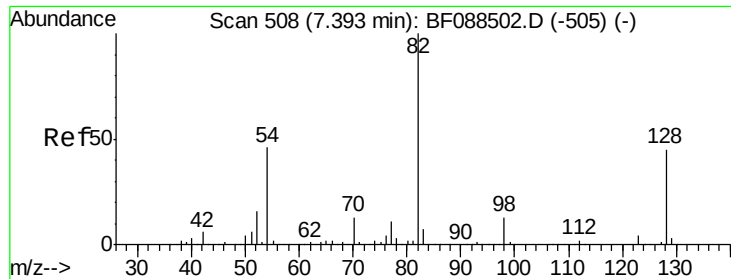
Tgt Ion: 70 Resp: 72958
Ion Ratio Lower Upper
70 100
42 46.6 45.9 68.9
101 0.0 6.8 10.2#
130 1.8 13.9 20.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF088523.D
Acq: 30 Jun 2016 6:42

Tgt Ion: 136 Resp: 378357
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 11.2 5.4 8.2#
68 9.1 4.9 7.3#

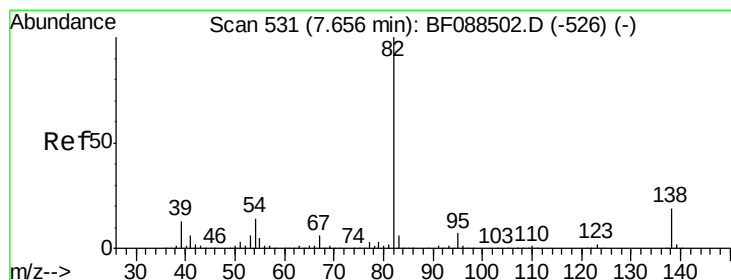
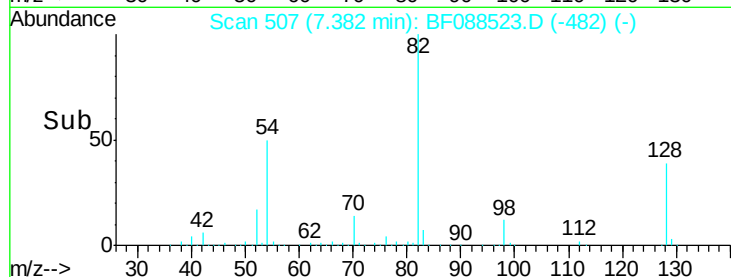
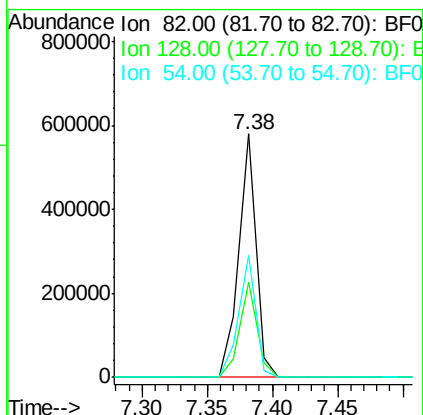
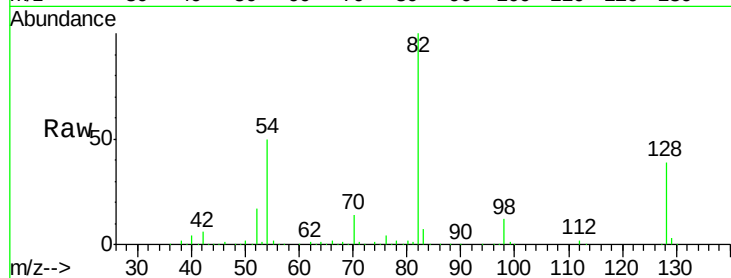




#23
 Nitrobenzene-d5
 Concen: 73.75 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: BF088523.D
 Acq: 30 Jun 2016 6:42

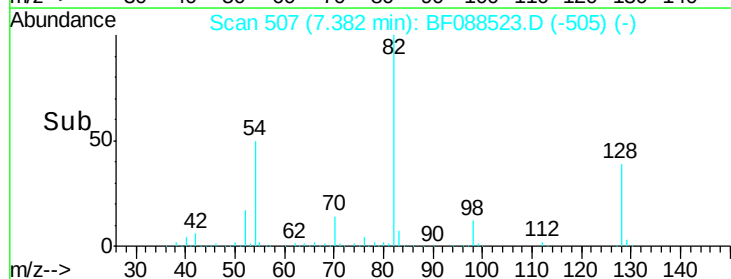
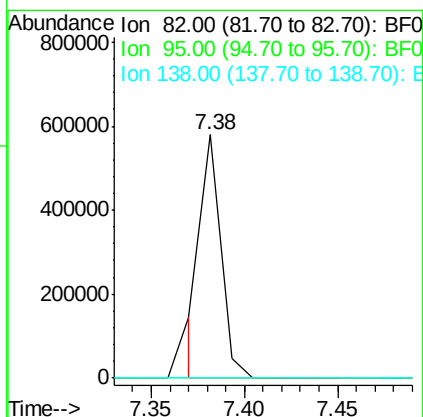
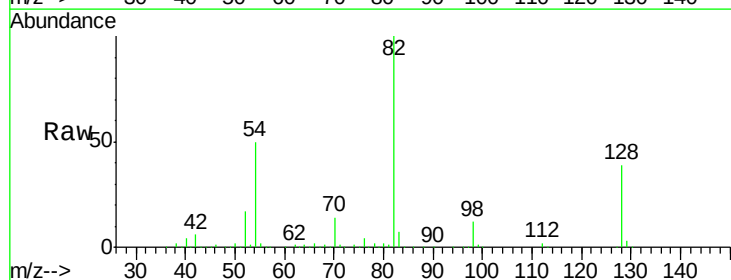
Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-019

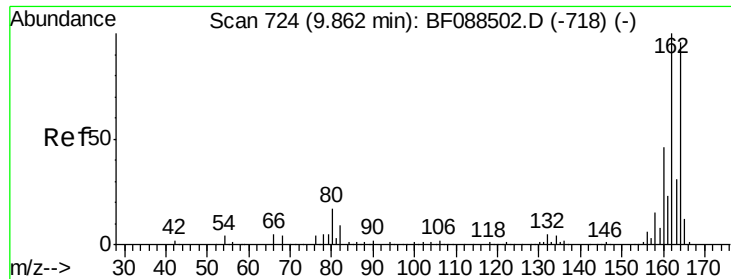
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.3	35.8	53.8
54	50.2	37.1	55.7



#25
 Isophorone
 Concen: 29.69 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.27 min
 Lab File: BF088523.D
 Acq: 30 Jun 2016 6:42

Tgt 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: BF088523.D

Acq: 30 Jun 2016 6:42

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-019

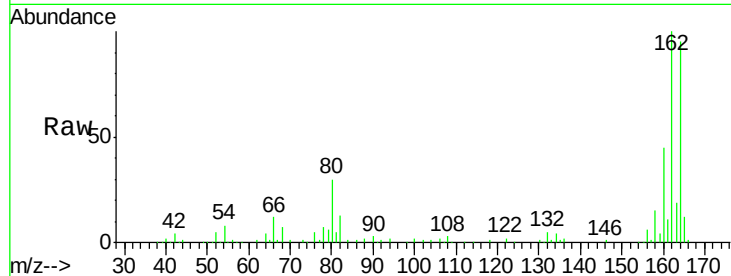
Tgt Ion:164 Resp: 145343

Ion Ratio Lower Upper

164 100

162 104.9 83.7 125.5

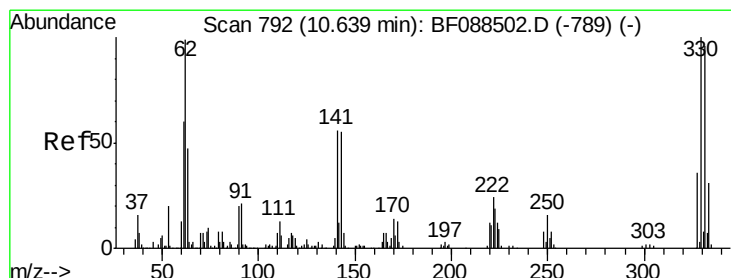
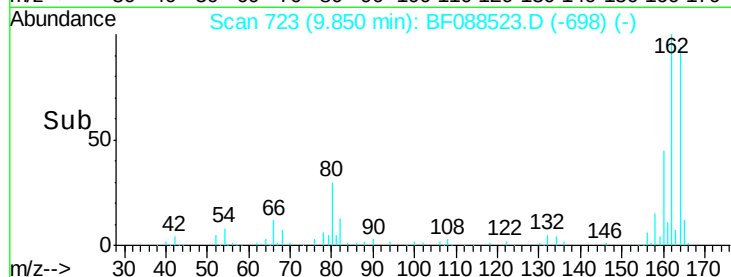
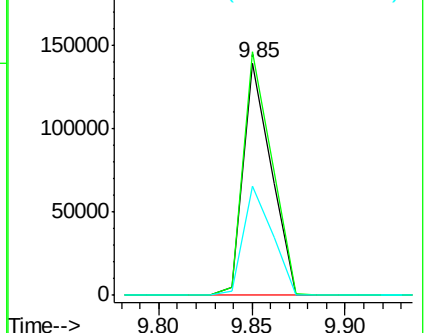
160 47.1 38.9 58.3



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: 115.90 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF088523.D

Acq: 30 Jun 2016 6:42

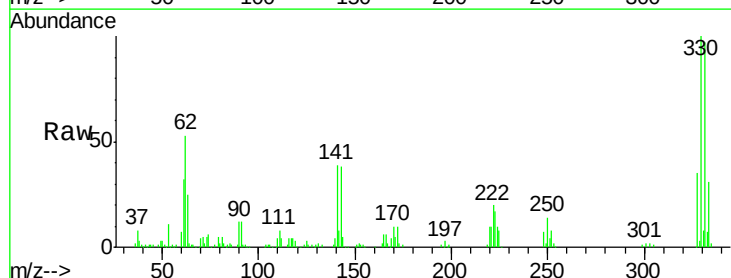
Tgt Ion:330 Resp: 129159

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

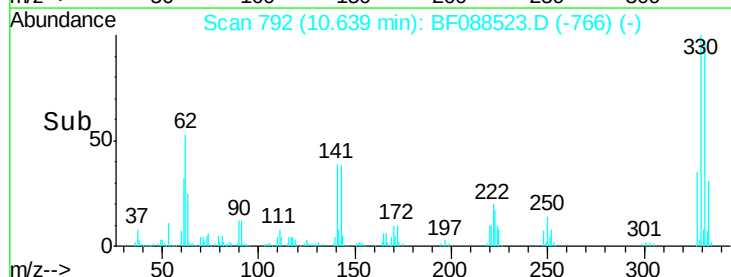
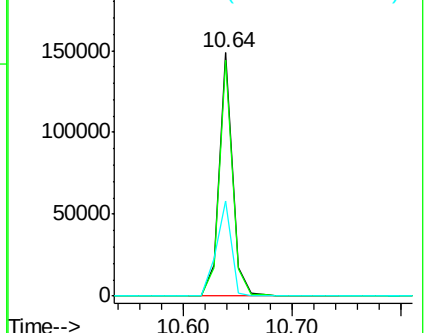
141 44.8 0.0 0.0#

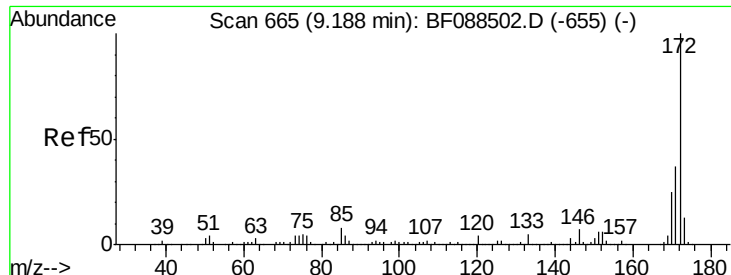


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

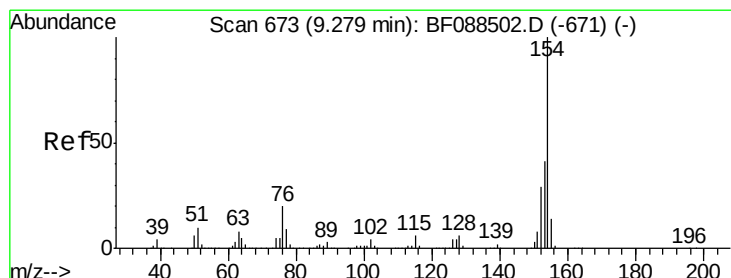
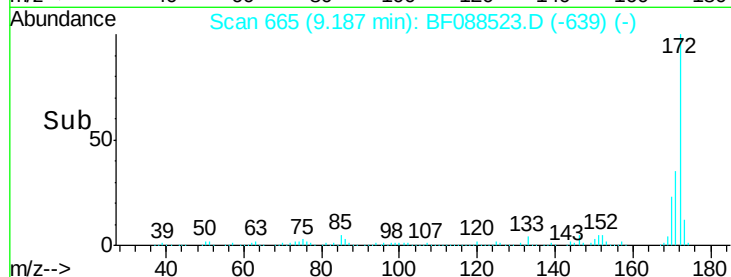
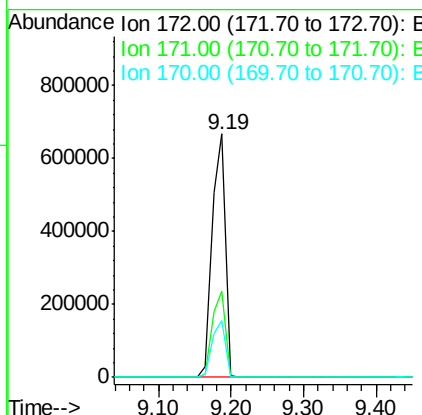
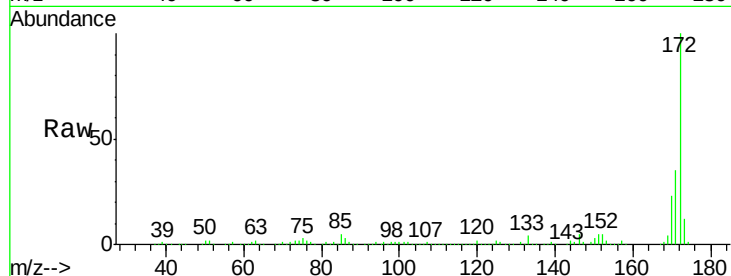




#44
 2-Fluorobiphenyl
 Concen: 95.55 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF088523.D
 Acq: 30 Jun 2016 6:42

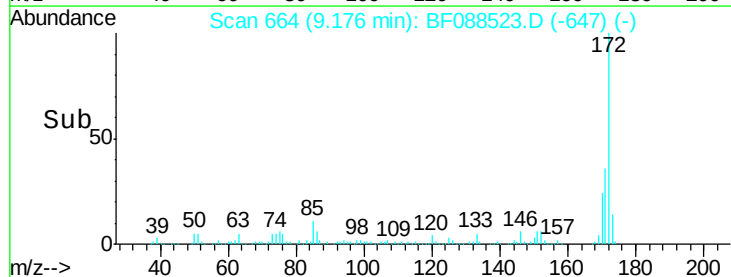
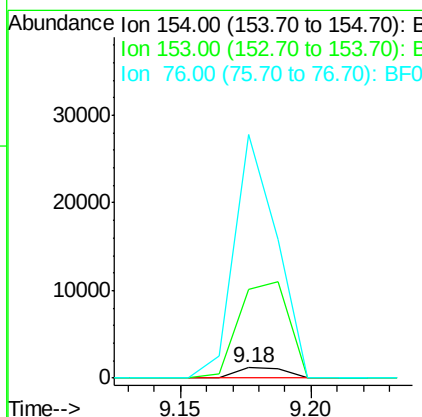
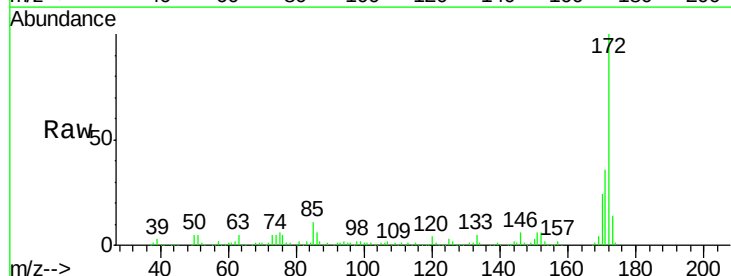
Instrument :
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 TILCON-GF-019

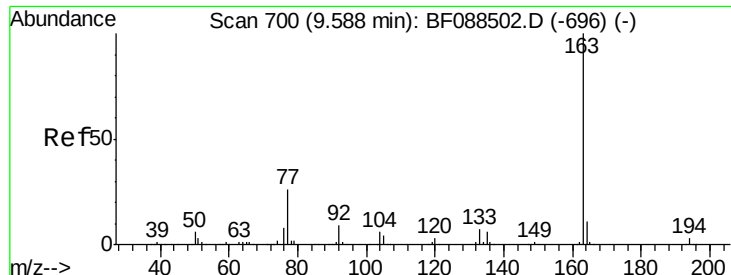
Tgt Ion:172 Resp: 836457
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.3 43.9
 170 23.4 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.18 min Scan# 664
 Delta R.T. -0.10 min
 Lab File: BF088523.D
 Acq: 30 Jun 2016 6:42

Tgt Ion:154 Resp: 1581
 Ion Ratio Lower Upper
 154 100
 153 853.6 20.8 60.8#
 76 2355.9 0.0 39.9#





#49

Dimethylphthalate

Concen: 6.34 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF088523.D

Acq: 30 Jun 2016 6:42

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-019

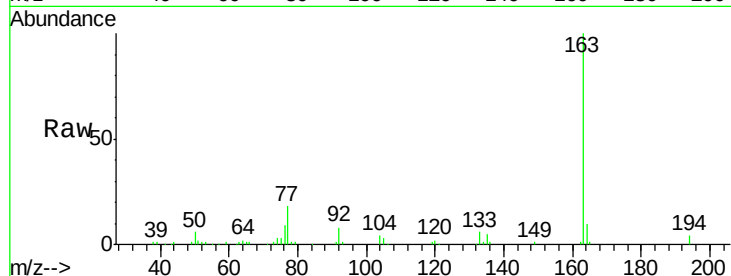
Tgt Ion:163 Resp: 88881

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

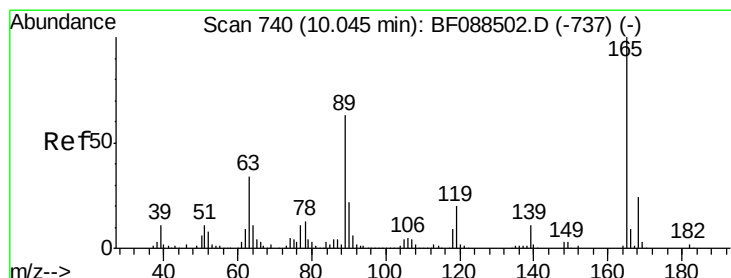
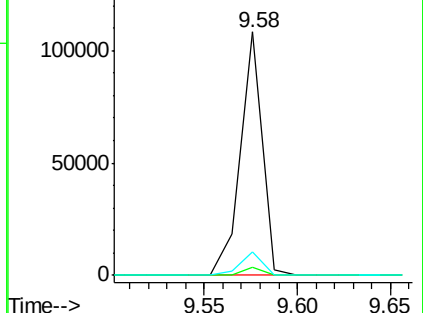
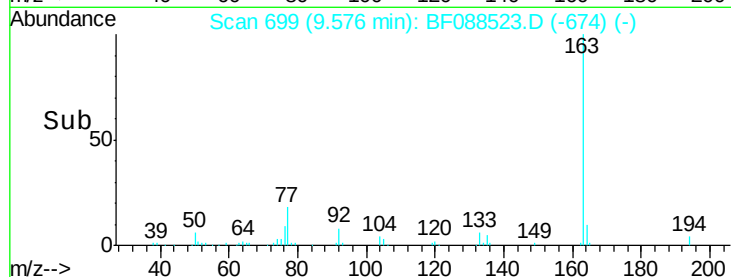
164 9.8 8.5 12.7



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



#56

2,4-Dinitrotoluene

Concen: 6.74 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.19 min

Lab File: BF088523.D

Acq: 30 Jun 2016 6:42

Tgt Ion:165 Resp: 18422

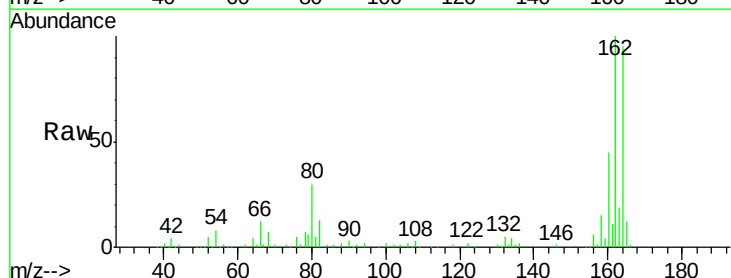
Ion Ratio Lower Upper

165 100

63 0.0 27.3 40.9#

89 0.0 50.4 75.6#

182 0.0 2.0 3.0#

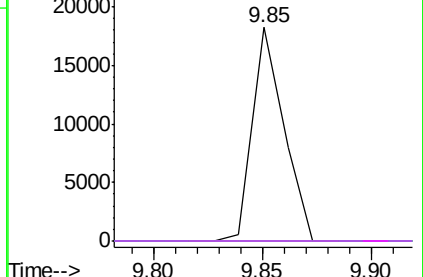
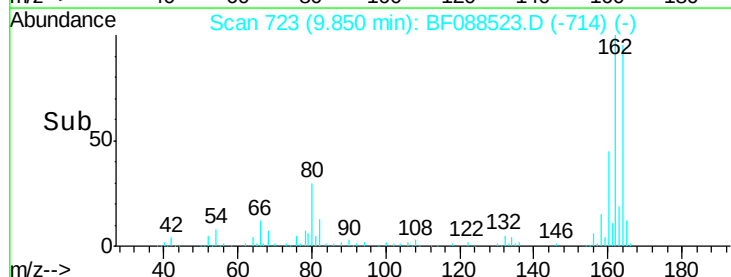


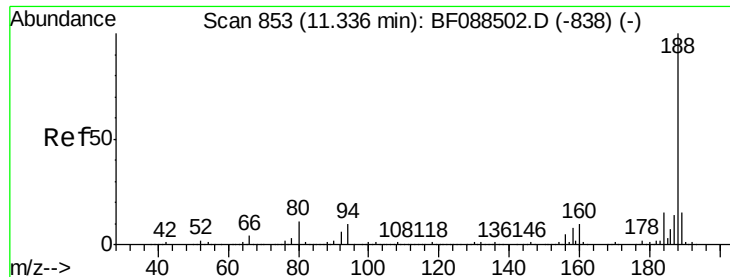
Abundance Ion 165.00 (164.70 to 165.70): E

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

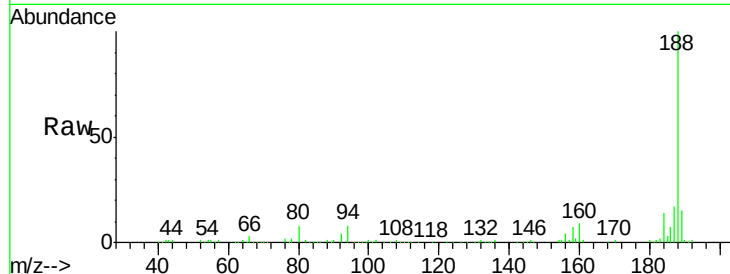




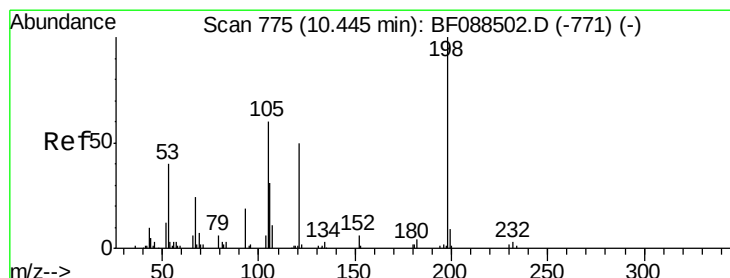
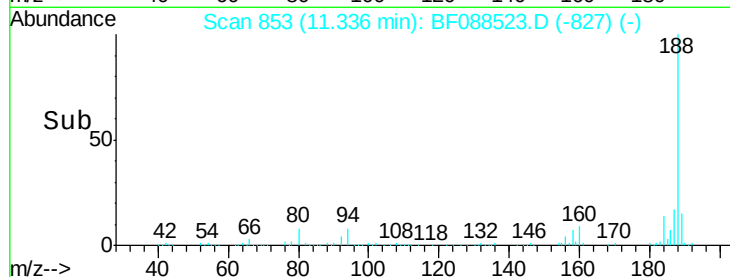
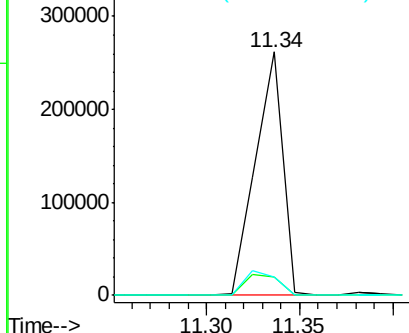
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF088523.D
Acq: 30 Jun 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-019

Tgt Ion:188 Resp: 270327
Ion Ratio Lower Upper
188 100
94 7.6 7.8 11.8#
80 7.8 8.7 13.1#

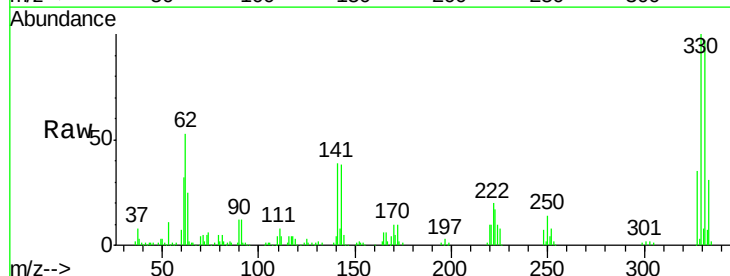


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

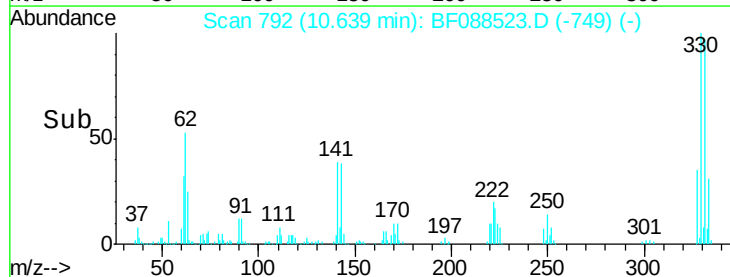
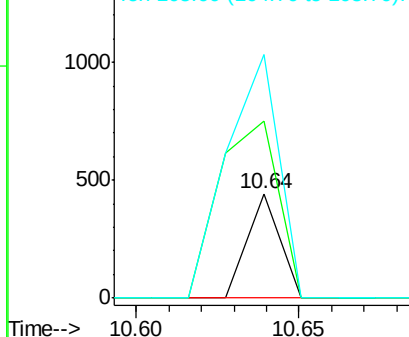


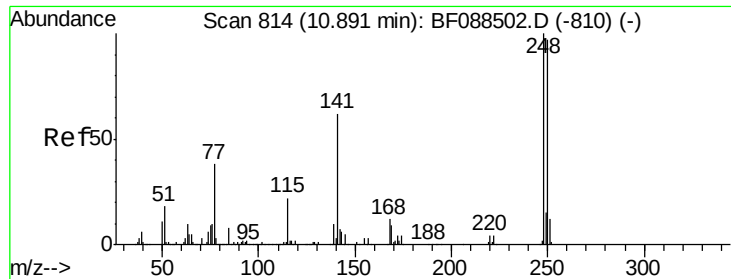
#64
4,6-Dinitro-2-methylphenol
Concen: 3.61 ng
RT: 10.64 min Scan# 792
Delta R.T. 0.20 min
Lab File: BF088523.D
Acq: 30 Jun 2016 6:42

Tgt Ion:198 Resp: 304
Ion Ratio Lower Upper
198 100
51 170.0 42.4 82.4#
105 233.2 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

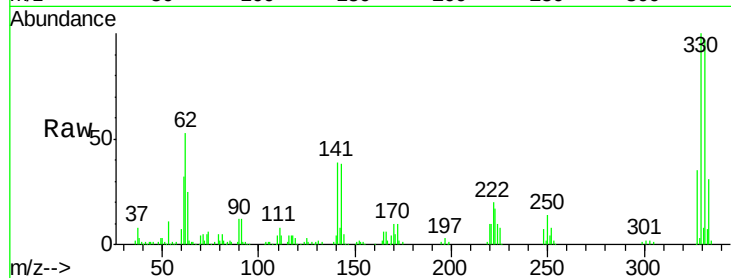




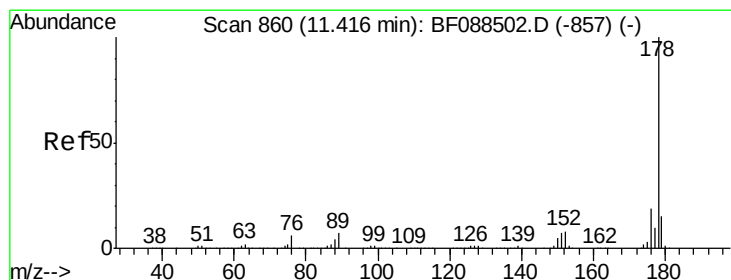
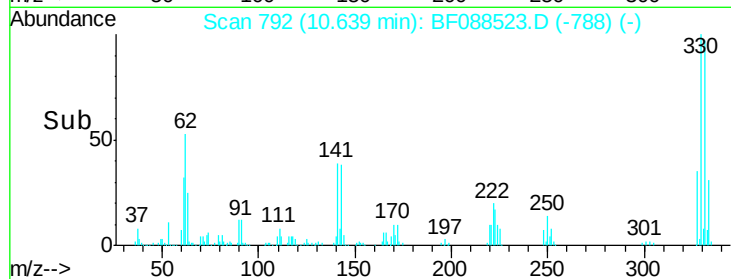
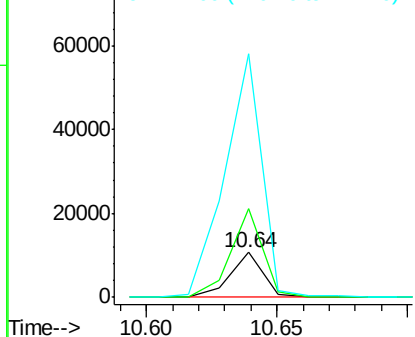
#66
 4-Bromophenyl-phenylether
 Concen: 3.21 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.25 min
 Lab File: BF088523.D
 Acq: 30 Jun 2016 6:42

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-019

Tgt Ion:248 Resp: 9382
 Ion Ratio Lower Upper
 248 100
 250 196.2 77.7 116.5#
 141 540.7 49.2 73.8#

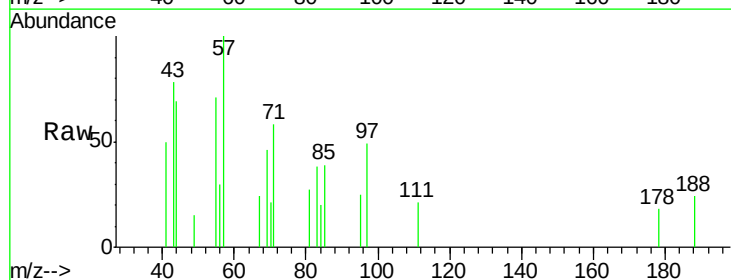


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

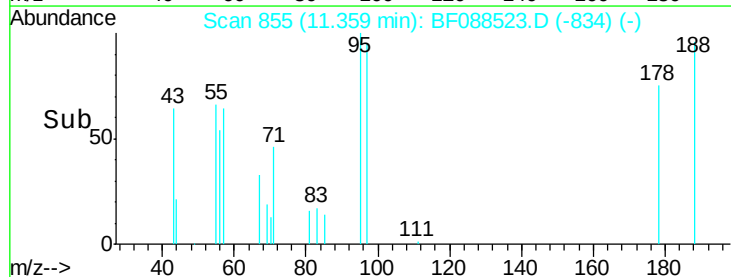
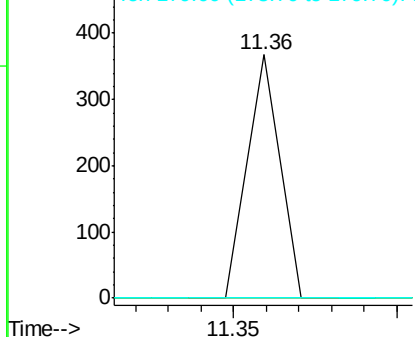


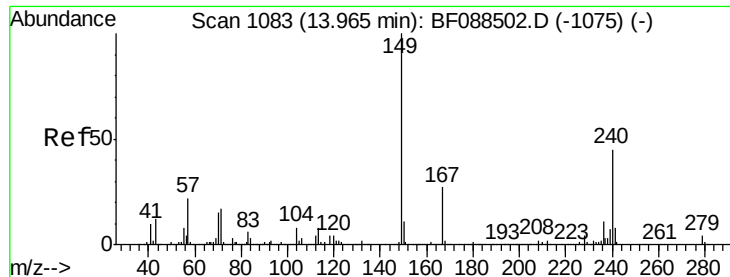
#71
 Anthracene
 Concen: Below Cal
 RT: 11.36 min Scan# 855
 Delta R.T. -0.06 min
 Lab File: BF088523.D
 Acq: 30 Jun 2016 6:42

Tgt Ion:178 Resp: 252
 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: BF088523.D

Acq: 30 Jun 2016 6:42

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-019

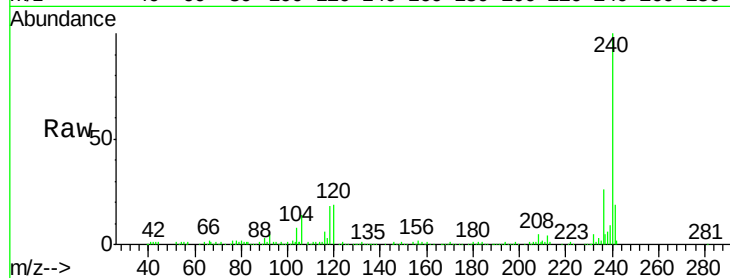
Tgt Ion:240 Resp: 285493

Ion Ratio Lower Upper

240 100

120 19.2 7.1 10.7#

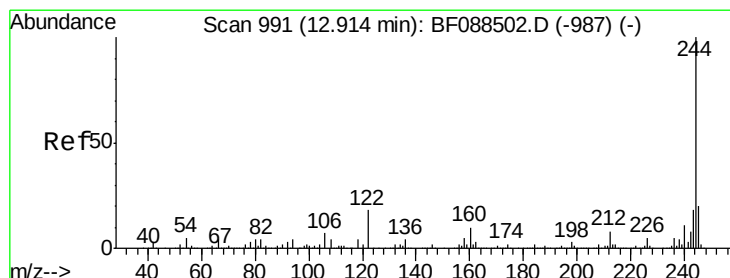
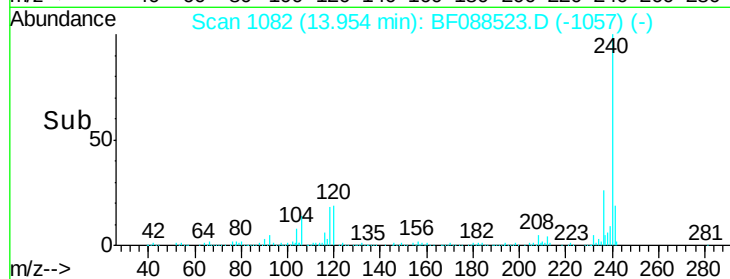
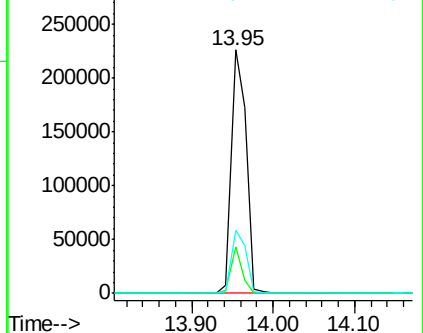
236 25.9 20.3 30.5



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: 43.03 ng

RT: 12.91 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF088523.D

Acq: 30 Jun 2016 6:42

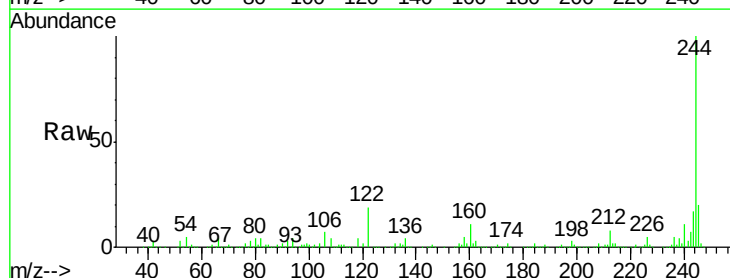
Tgt Ion:244 Resp: 655450

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

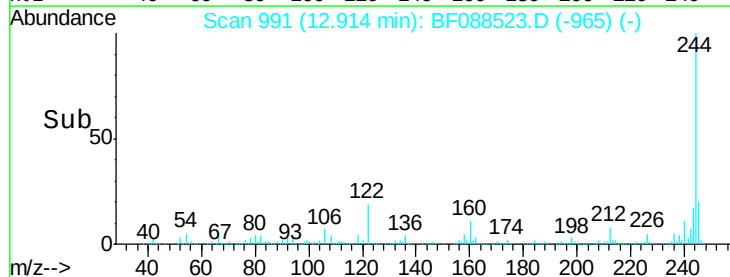
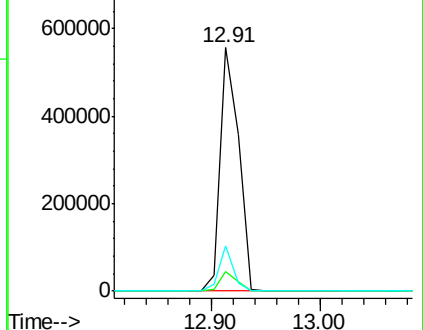
122 18.8 14.8 22.2

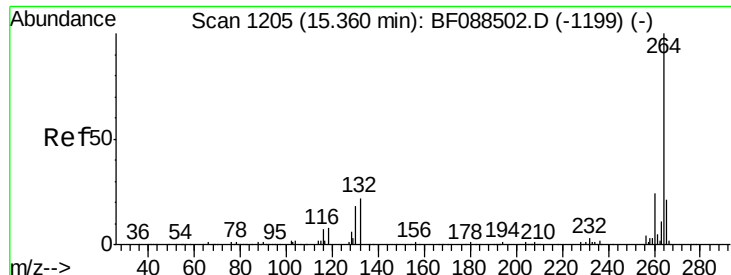


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

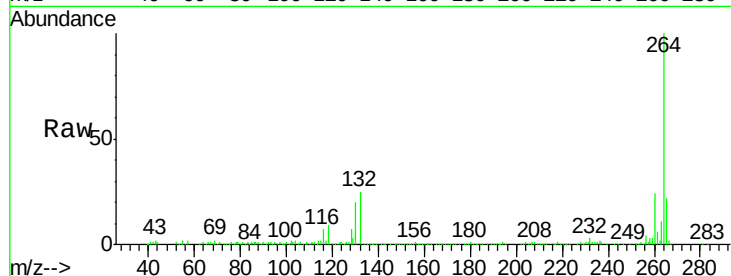




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF088523.D
Acq: 30 Jun 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TILCON-GF-019

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.3	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

