

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
 Data File : BF088786.D
 Acq On : 7 Jul 2016 18:43
 Operator : UM/SJ
 Sample : H3829-01RE
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-010RE

Quant Time: Jul 08 01:42:29 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

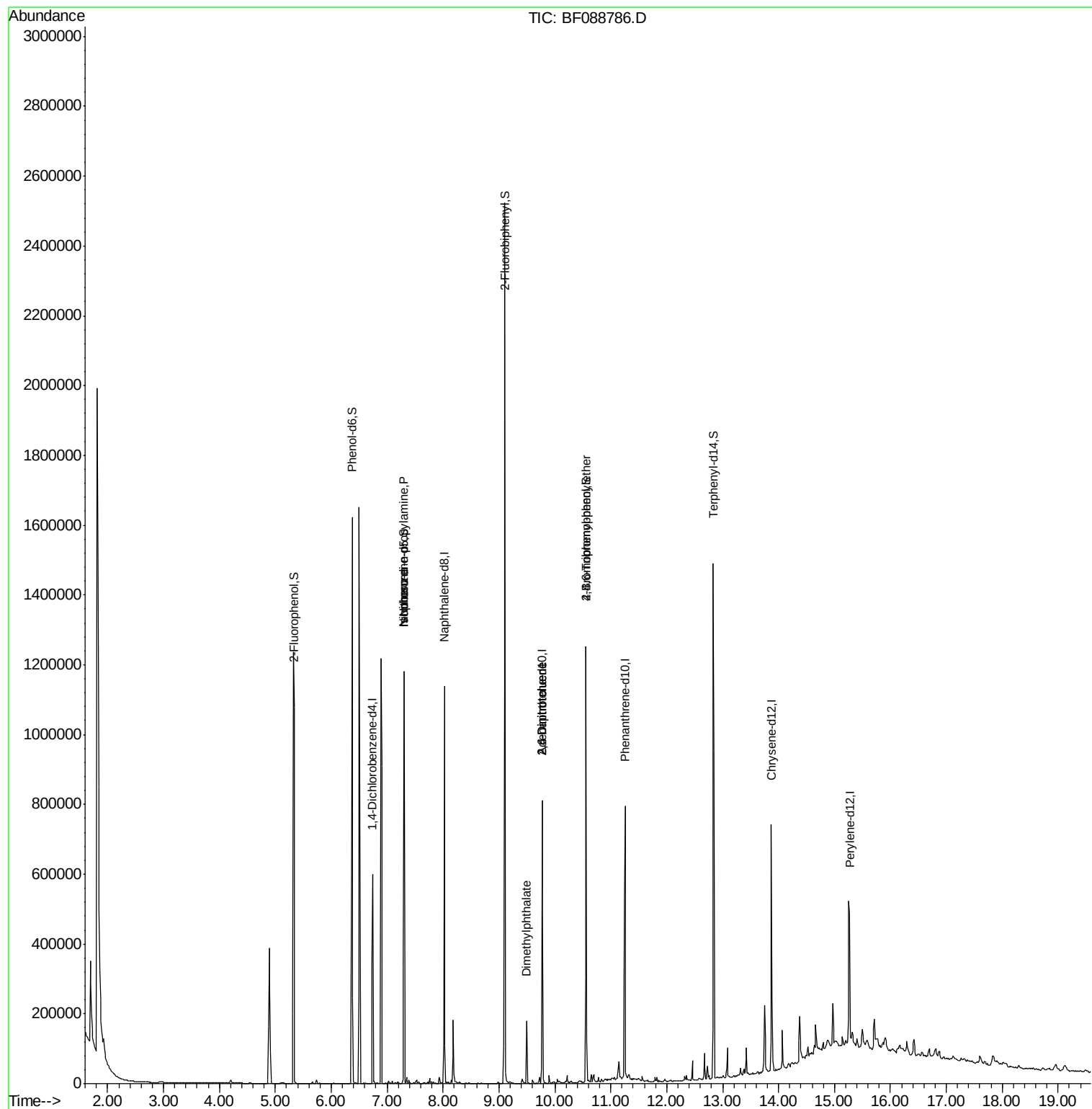
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	107676	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	439777	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	190296	20.00	ng	-0.05
63) Phenanthrene-d10	11.26	188	359489	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	211540	20.00	ng	-0.05
86) Perylene-d12	15.27	264	225076	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	521191	72.54	ng	-0.03
7) Phenol-d6	6.38	99	623647	67.18	ng	-0.03
23) Nitrobenzene-d5	7.30	82	415759	49.54	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	127600	72.21	ng	-0.05
44) 2-Fluorobiphenyl	9.11	172	871154	72.31	ng	-0.03
78) Terphenyl-d14	12.83	244	574121	60.45	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	56674	9.09	ng	# 72
25) Isophorone	7.30	82	332575	21.39	ng	# 65
49) Dimethylphthalate	9.50	163	64833	4.78	ng	99
50) 2,6-Dinitrotoluene	9.77	165	23677	7.88	ng	# 40
56) 2,4-Dinitrotoluene	9.77	165	23673	6.03	ng	# 38
66) 4-Bromophenyl-phenylether	10.56	248	9286	2.56	ng	# 1

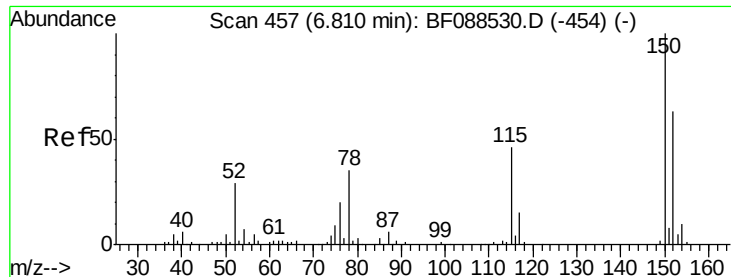
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-010RE

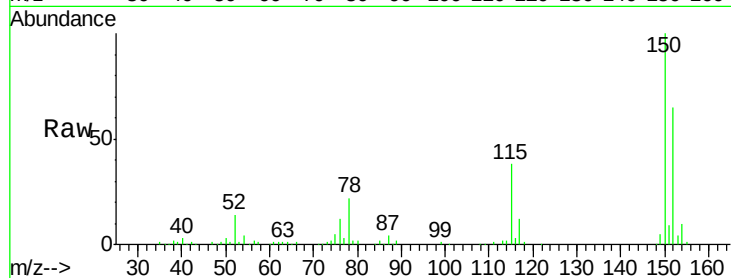
Tgt Ion:152 Resp: 107676

Ion Ratio Lower Upper

152 100

150 152.8 123.8 185.6

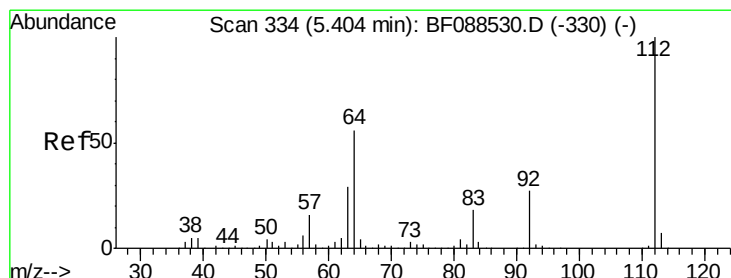
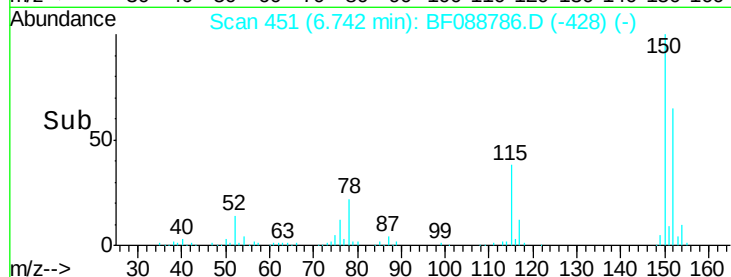
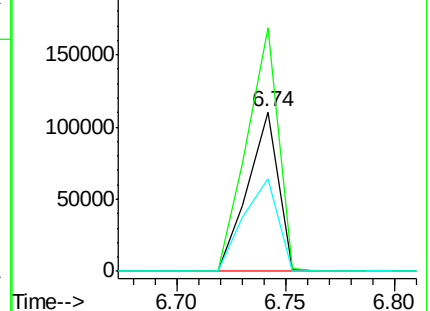
115 57.9 39.6 59.4



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: 72.54 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.03 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

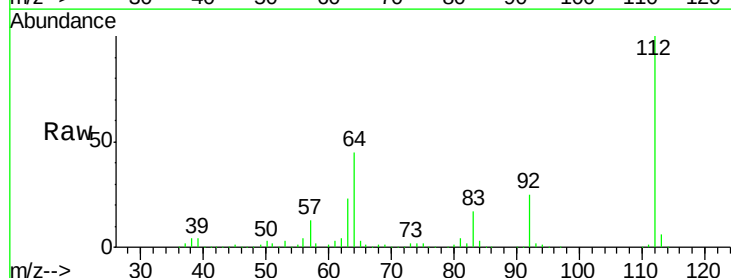
Tgt Ion:112 Resp: 521191

Ion Ratio Lower Upper

112 100

64 44.6 42.2 63.2

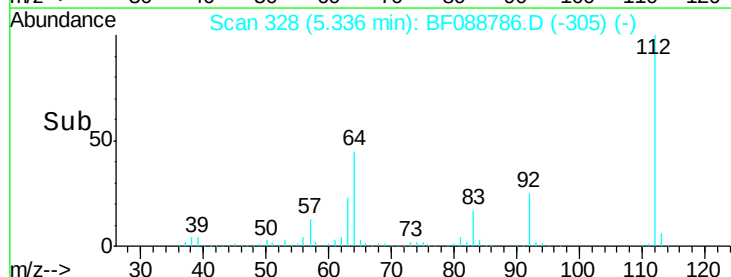
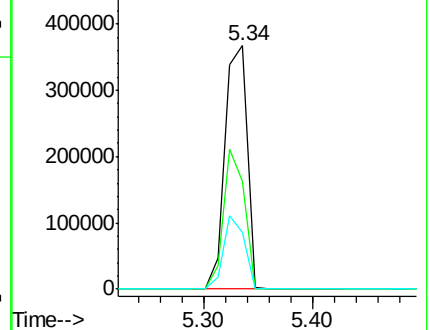
63 23.1 21.8 32.8

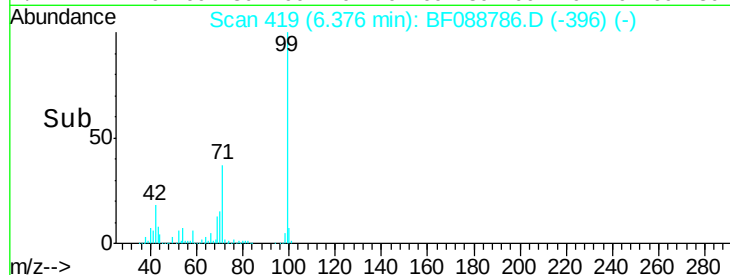
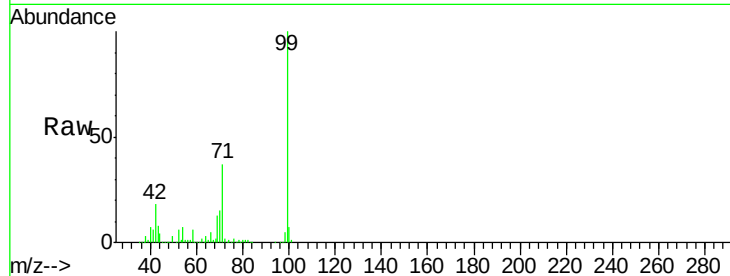
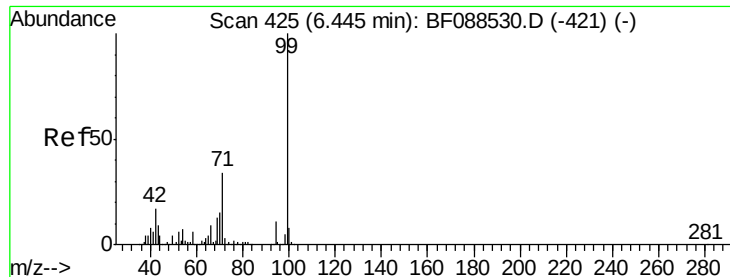


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 67.18 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-010RE

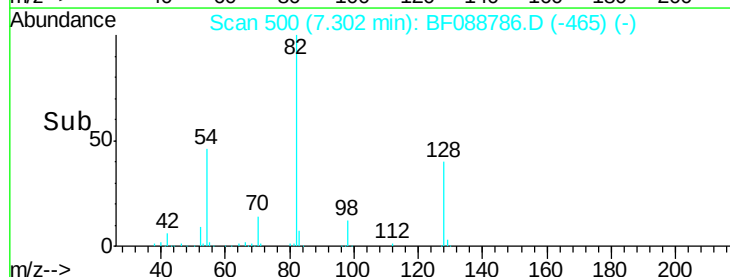
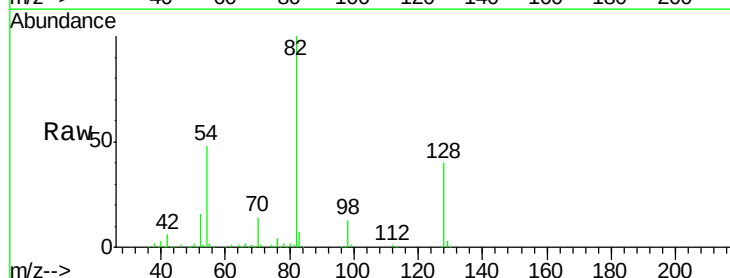
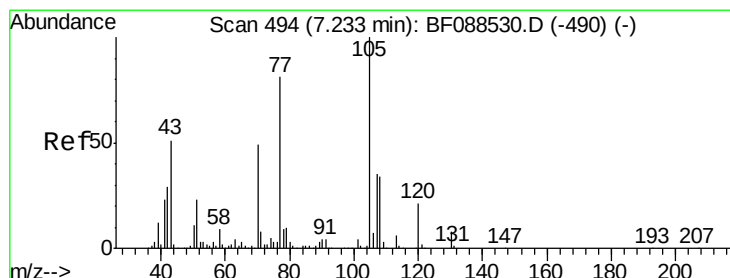
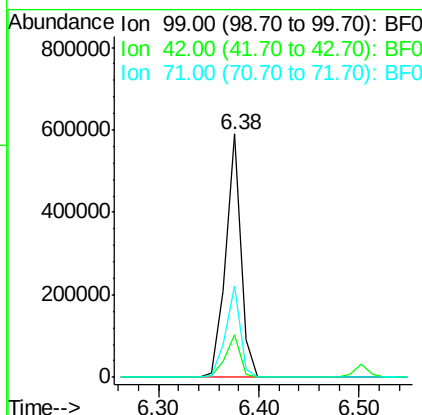
Tgt Ion: 99 Resp: 623647

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 37.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.09 ng

RT: 7.30 min Scan# 500

Delta R.T. 0.10 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

Tgt Ion: 70 Resp: 56674

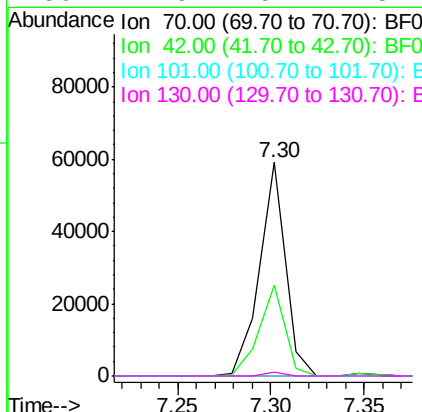
Ion Ratio Lower Upper

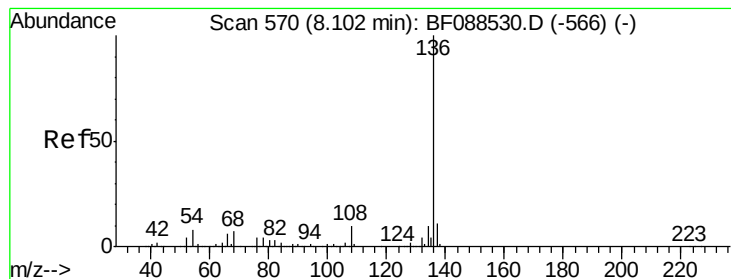
70 100

42 42.6 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 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: BF088786.D

Acq: 7 Jul 2016 18:43

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-010RE

Tgt Ion:136 Resp: 439777

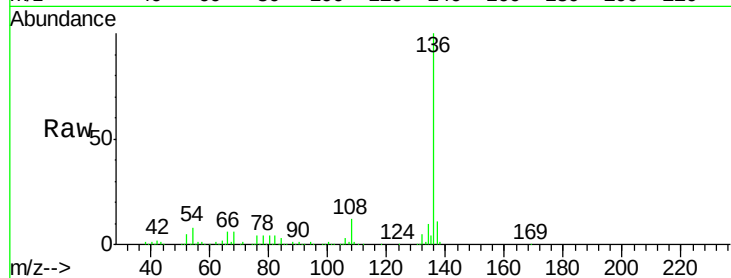
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.1 6.6 10.0

68 6.4 5.1 7.7

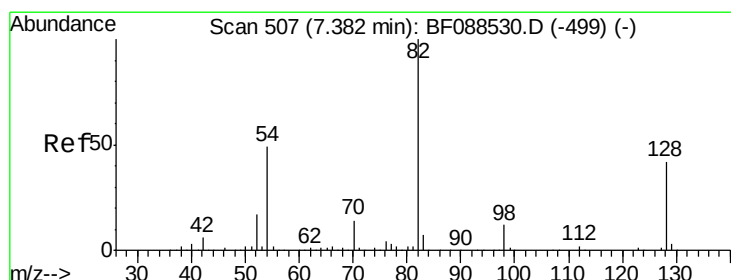
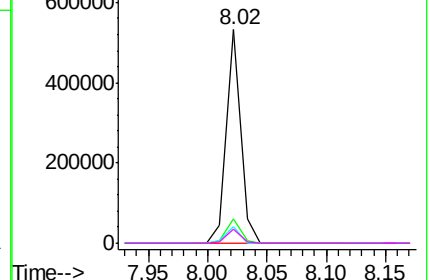
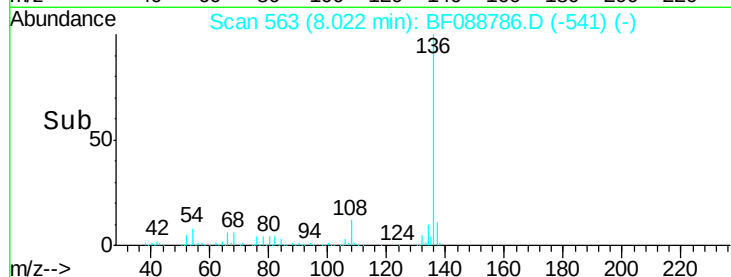


Abundance Ion 136.00 (135.70 to 136.70): E

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: 49.54 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.05 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

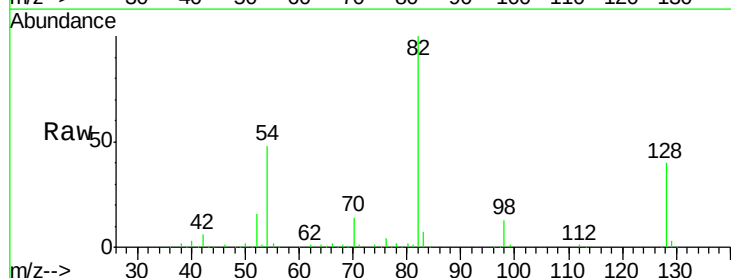
Tgt Ion: 82 Resp: 415759

Ion Ratio Lower Upper

82 100

128 40.2 35.9 53.9

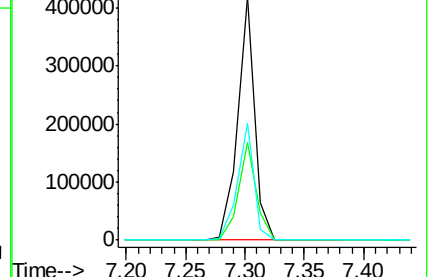
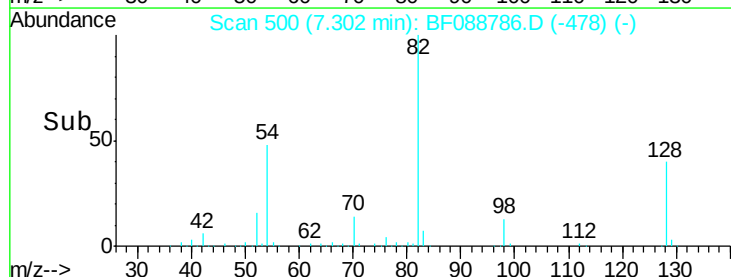
54 48.0 40.9 61.3

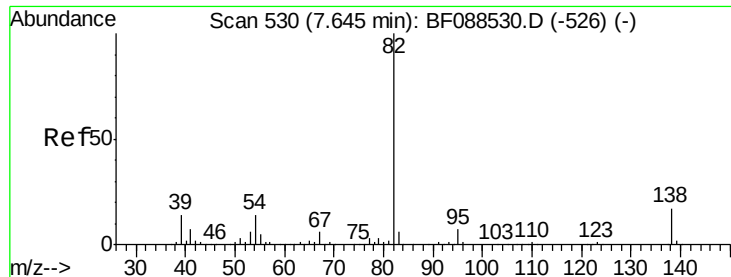


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 21.39 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.31 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-010RE

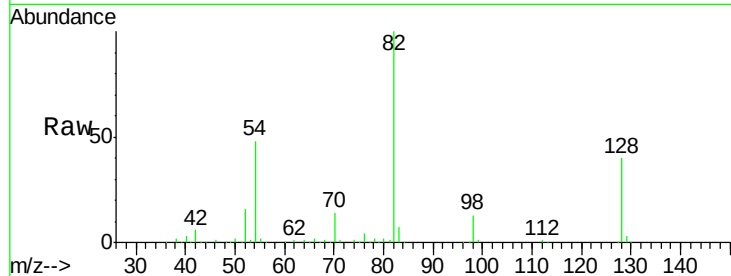
Tgt Ion: 82 Resp: 332575

Ion Ratio Lower Upper

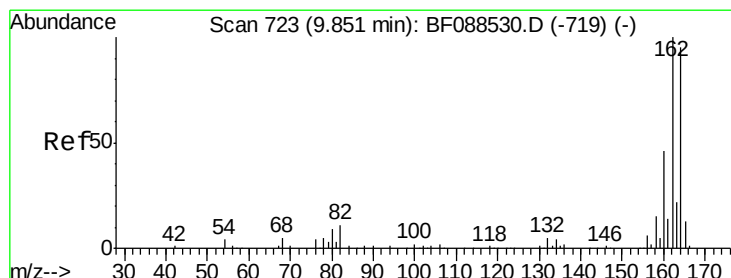
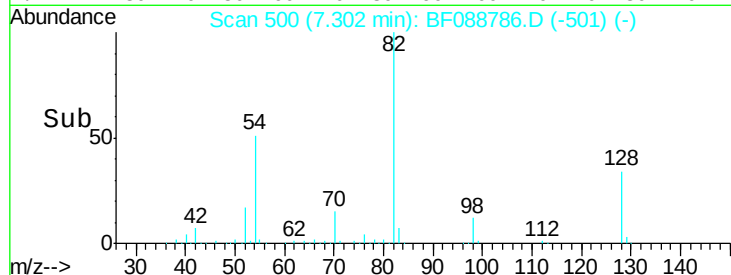
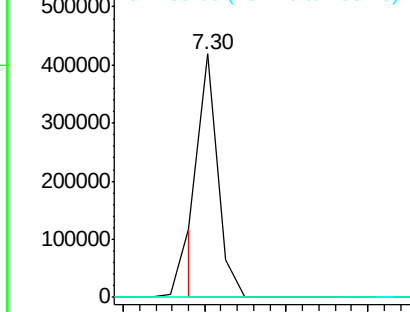
82 100

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: 9.77 min Scan# 716

Delta R.T. -0.05 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

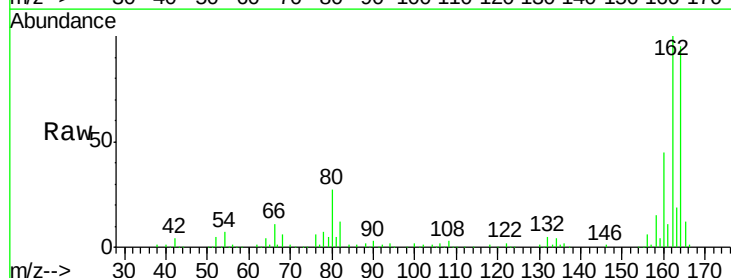
Tgt Ion: 164 Resp: 190296

Ion Ratio Lower Upper

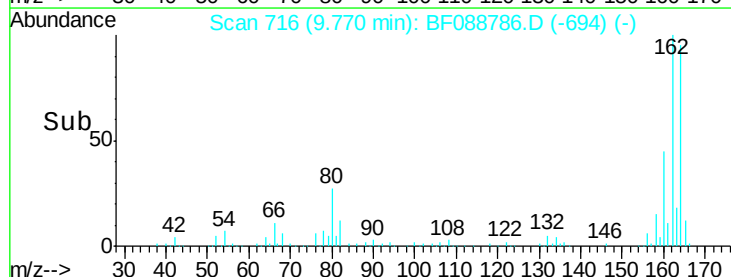
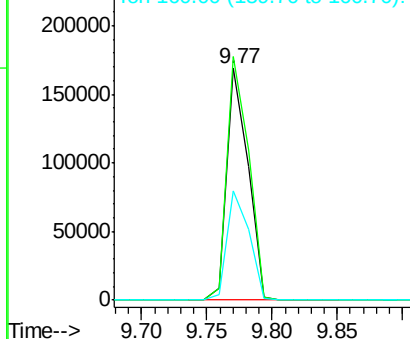
164 100

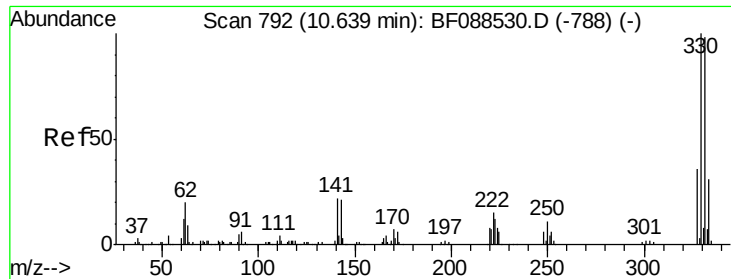
162 105.1 85.4 128.2

160 47.1 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

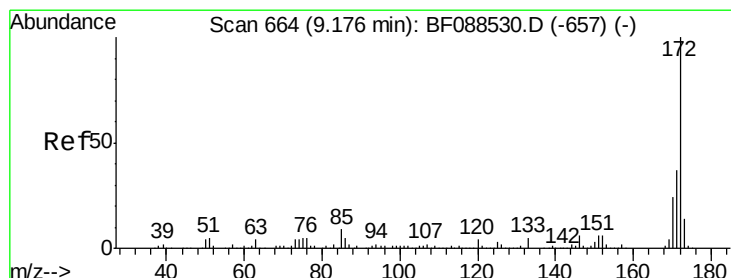
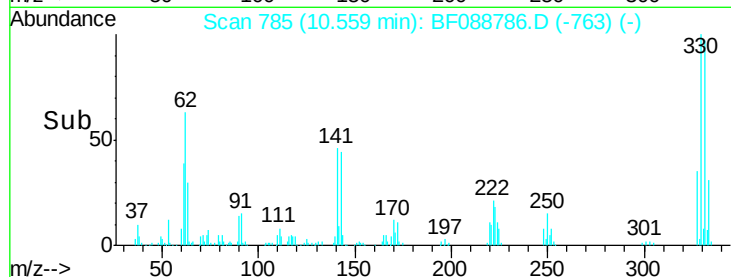
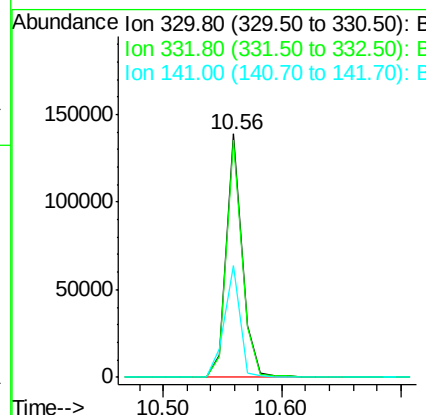
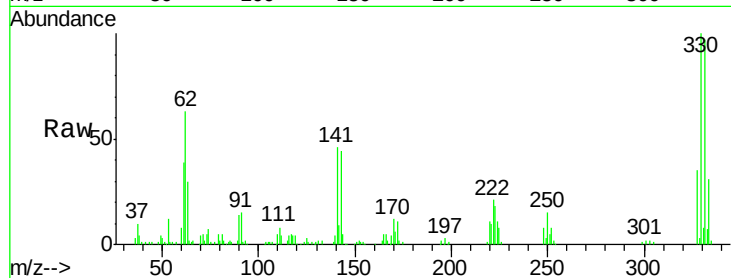




#41
 2,4,6-Tribromophenol
 Concen: 72.21 ng
 RT: 10.56 min Scan# 785
 Delta R.T. -0.05 min
 Lab File: BF088786.D
 Acq: 7 Jul 2016 18:43

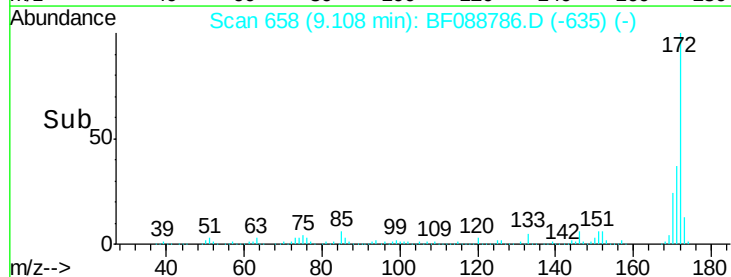
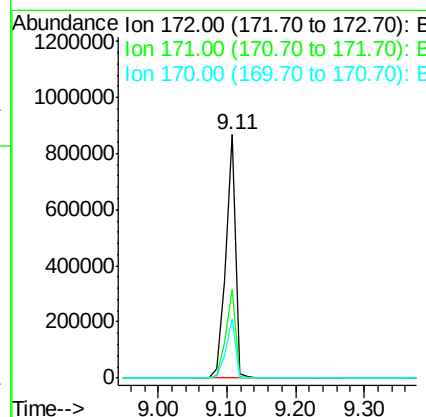
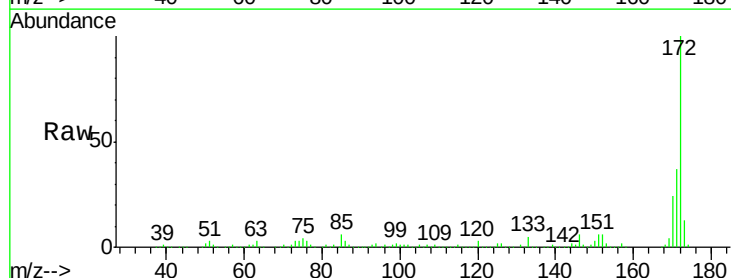
Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-010RE

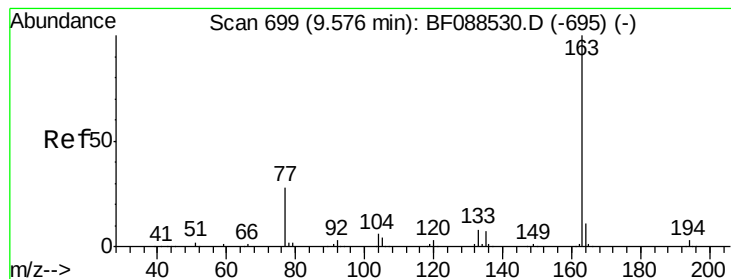
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	44.8	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 72.31 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.03 min
 Lab File: BF088786.D
 Acq: 7 Jul 2016 18:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.4	19.2	28.8





#49

Dimethylphthalate

Concen: 4.78 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.05 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-010RE

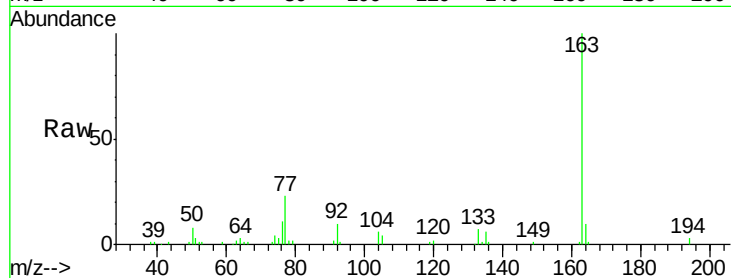
Tgt Ion:163 Resp: 64833

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

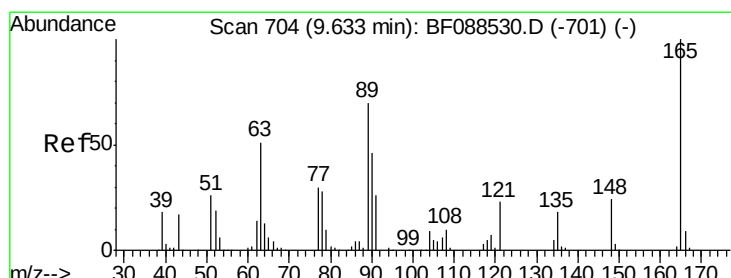
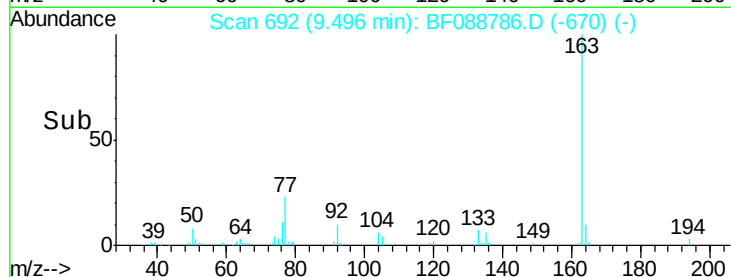
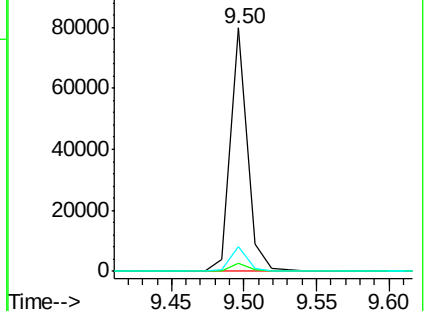
164 10.1 8.3 12.5



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: 7.88 ng

RT: 9.77 min Scan# 716

Delta R.T. 0.17 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

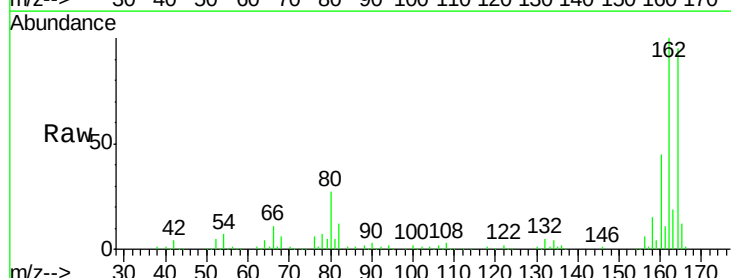
Tgt Ion:165 Resp: 23677

Ion Ratio Lower Upper

165 100

63 1.8 28.1 42.1#

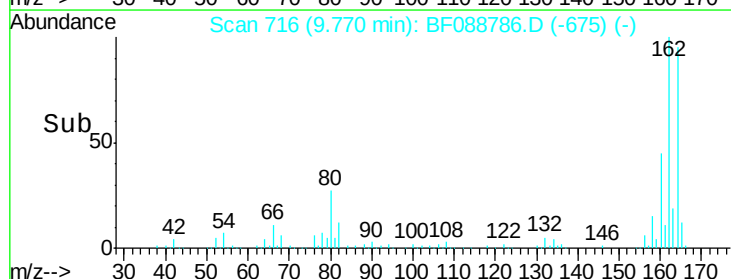
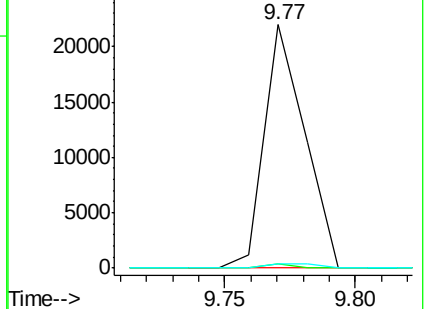
89 1.9 32.2 48.2#

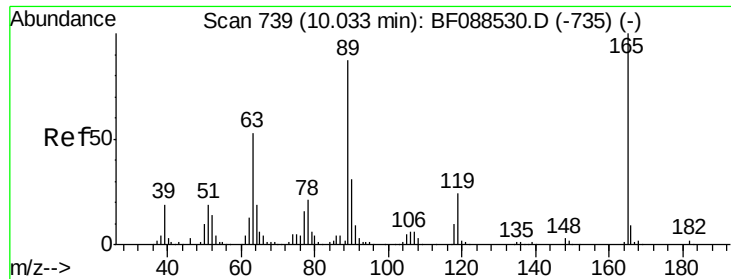


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

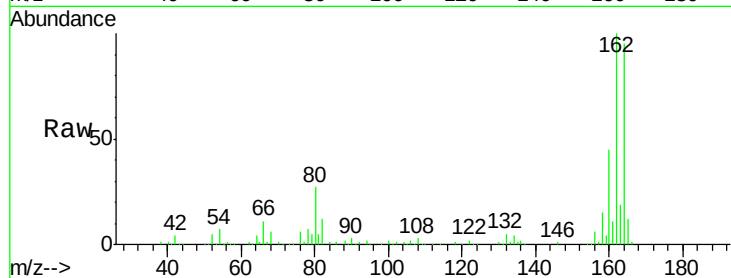




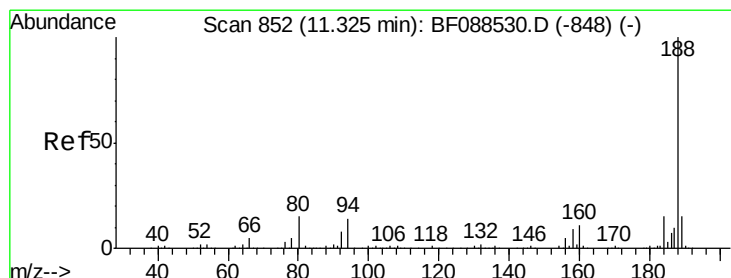
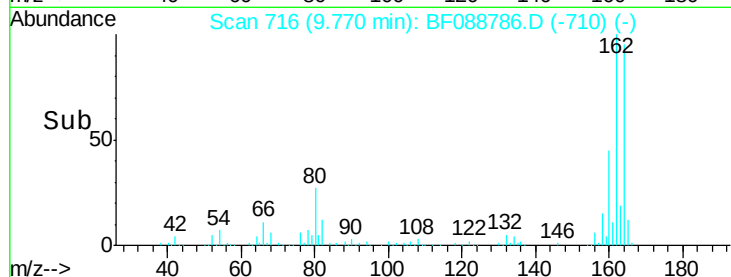
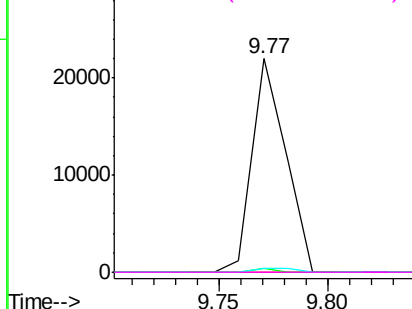
#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.77 min Scan# 716
 Delta R.T. -0.23 min
 Lab File: BF088786.D
 Acq: 7 Jul 2016 18:43

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-010RE

Tgt Ion:165 Resp: 23673
 Ion Ratio Lower Upper
 165 100
 63 1.8 22.0 33.0#
 89 1.9 41.1 61.7#
 182 0.0 2.0 3.0#

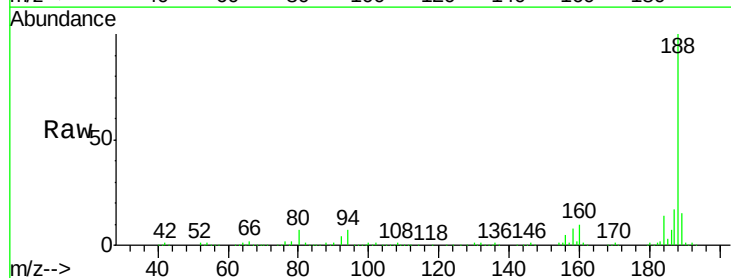


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

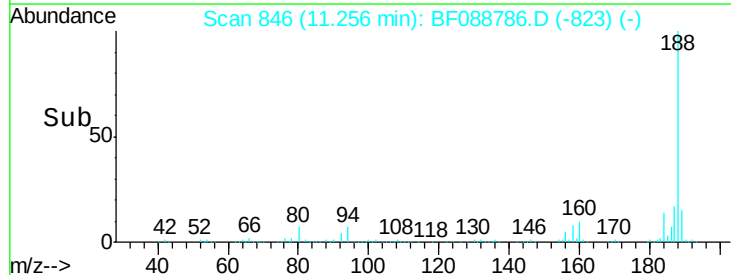
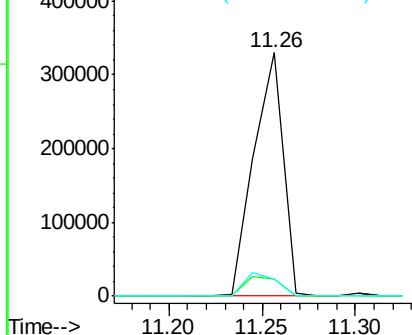


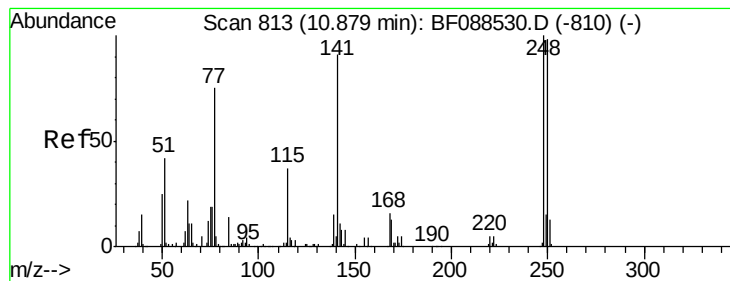
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.03 min
 Lab File: BF088786.D
 Acq: 7 Jul 2016 18:43

Tgt Ion:188 Resp: 359489
 Ion Ratio Lower Upper
 188 100
 94 6.8 9.0 13.6#
 80 7.2 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: 2.56 ng

RT: 10.56 min Scan# 785

Delta R.T. -0.29 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

Instrument :

BNA_F

ClientSampleId :

TILCON-GF-010RE

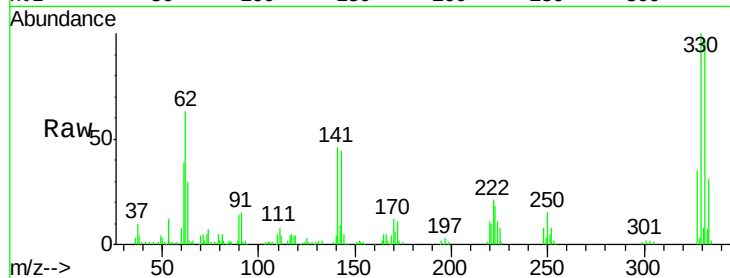
Tgt Ion:248 Resp: 9286

Ion Ratio Lower Upper

248 100

250 194.7 77.1 115.7#

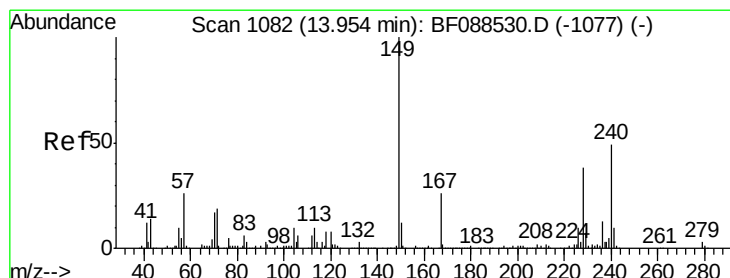
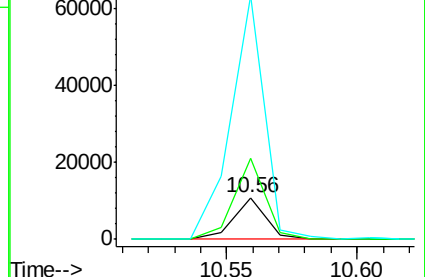
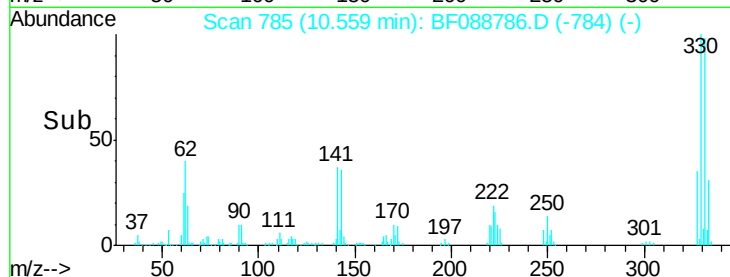
141 581.0 50.6 76.0#



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: 13.87 min Scan# 1075

Delta R.T. -0.05 min

Lab File: BF088786.D

Acq: 7 Jul 2016 18:43

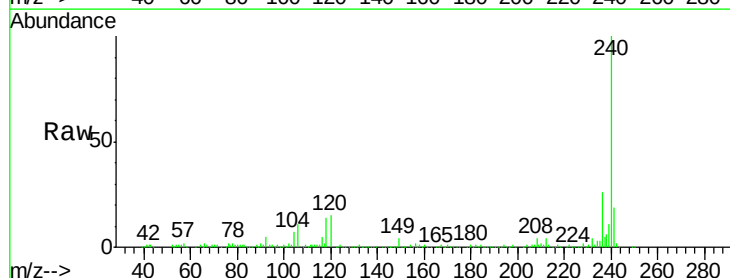
Tgt Ion:240 Resp: 211540

Ion Ratio Lower Upper

240 100

120 14.8 6.8 10.2#

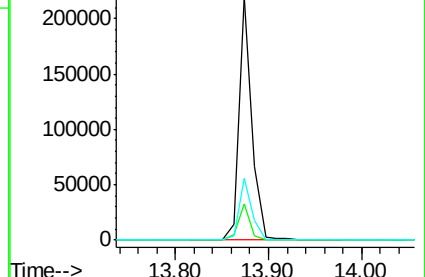
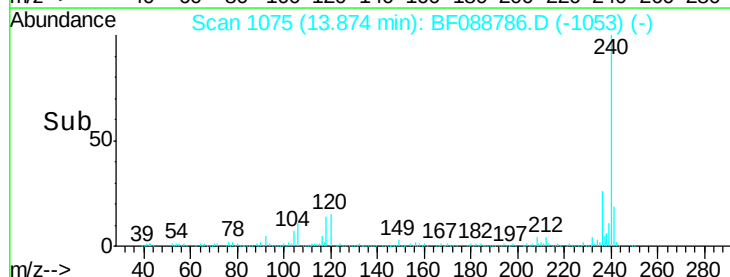
236 25.6 20.2 30.2

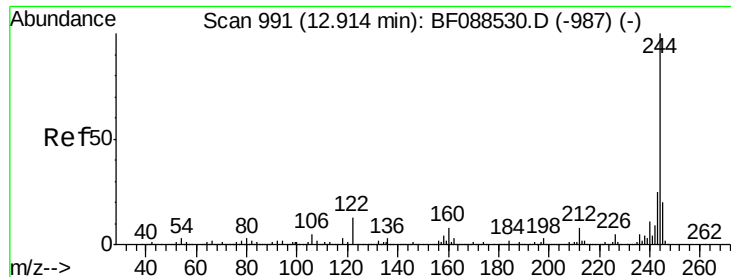


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

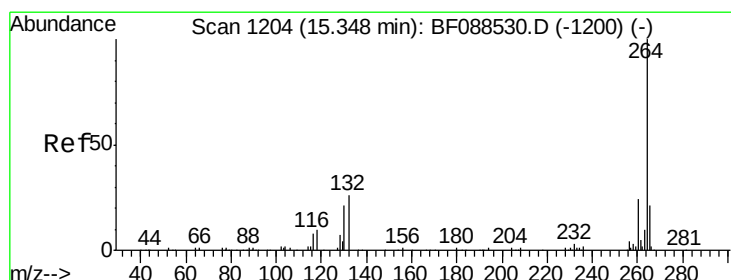
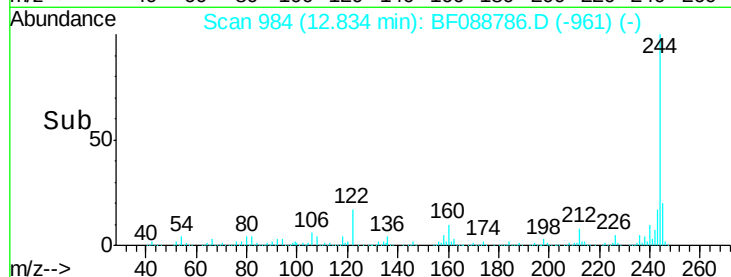
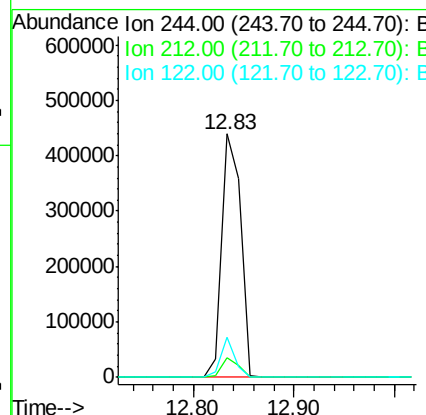
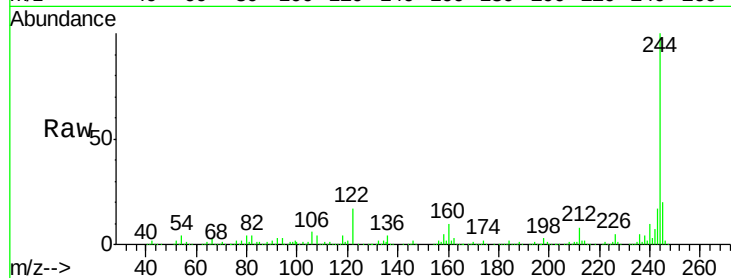




#78
 Terphenyl-d14
 Concen: 60.45 ng
 RT: 12.83 min Scan# 984
 Delta R.T. -0.03 min
 Lab File: BF088786.D
 Acq: 7 Jul 2016 18:43

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-GF-010RE

Tgt Ion:244 Resp: 574121
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 16.5 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: BF088786.D
 Acq: 7 Jul 2016 18:43

Tgt Ion:264 Resp: 225076
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.0 16.9 25.3

