

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
 Data File : BF086712.D
 Acq On : 5 May 2016 18:24
 Operator : UM/SJ
 Sample : H2809-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-SF-003

Quant Time: May 06 01:14:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

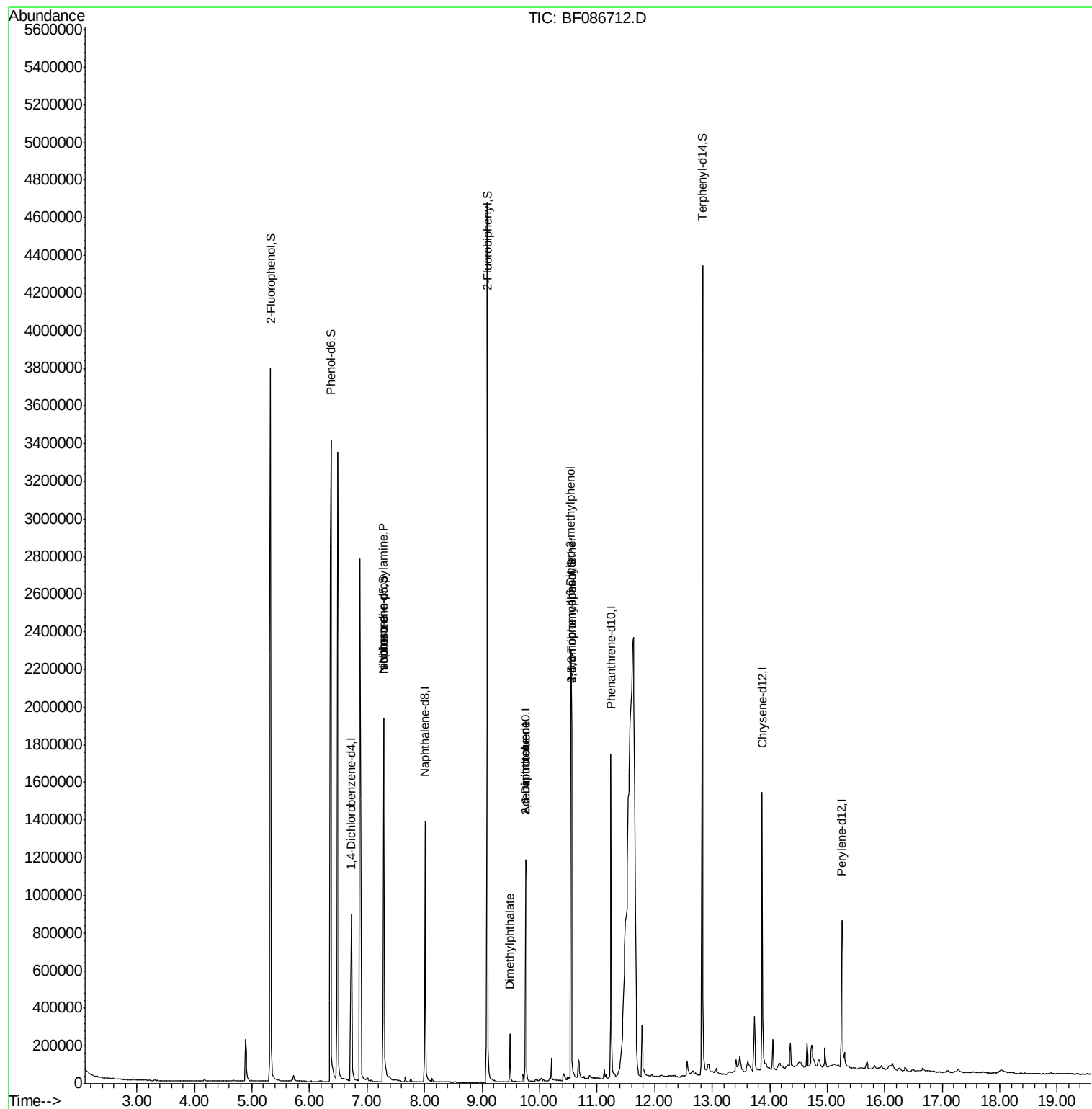
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	162804	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	682306	40.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	334633	40.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	643322	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	524764	40.00	ng	-0.01
86) Perylene-d12	15.25	264	421087	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1118089	113.69	ng	0.00
7) Phenol-d6	6.37	99	1534777	115.86	ng	0.00
23) Nitrobenzene-d5	7.29	82	911831	68.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	395240	120.74	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1538801	75.38	ng	-0.01
78) Terphenyl-d14	12.83	244	1360244	52.39	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	122397	13.52	ng	# 71
25) Isophorone	7.29	82	827209	33.45	ng	# 68
49) Dimethylphthalate	9.48	163	110475	4.43	ng	100
50) 2,6-Dinitrotoluene	9.76	165	41432	7.74	ng	# 20
56) 2,4-Dinitrotoluene	9.76	165	41434	6.25	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.54	198	1003	5.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	22469	3.51	ng	# 1

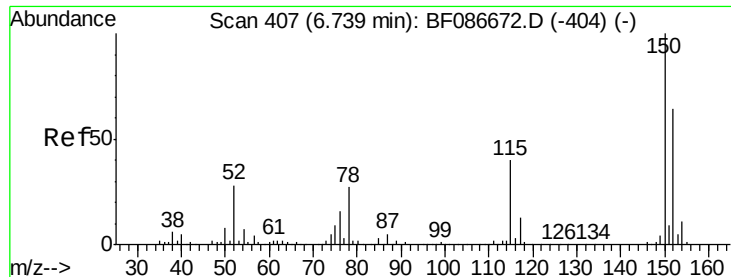
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-003

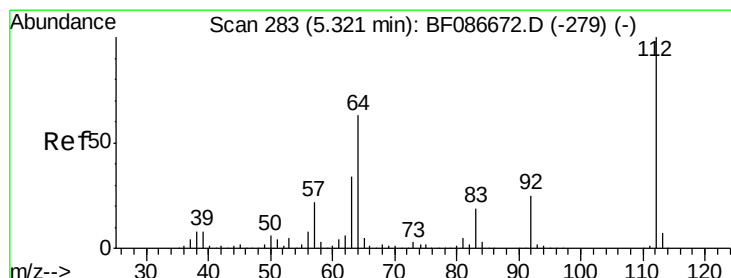
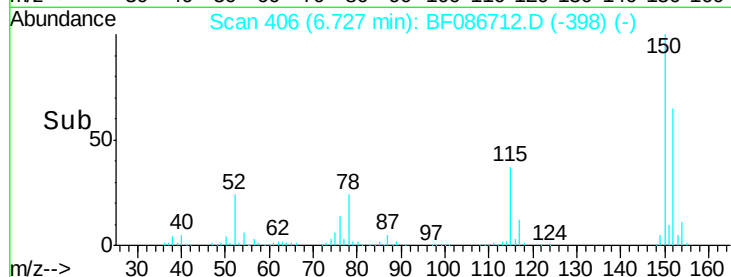
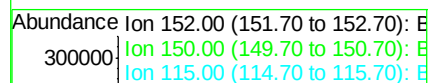
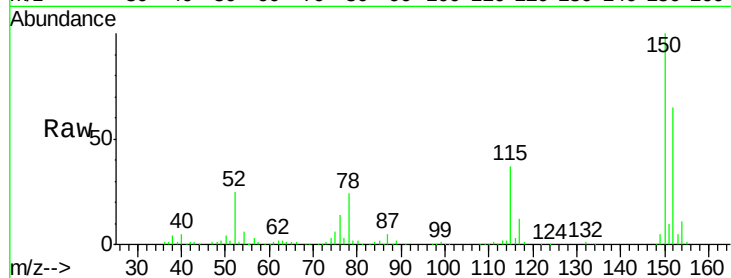
Tgt Ion:152 Resp: 162804

Ion Ratio Lower Upper

152 100

150 154.2 125.8 188.6

115 57.8 51.5 77.3



#5

2-Fluorophenol

Concen: 113.69 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

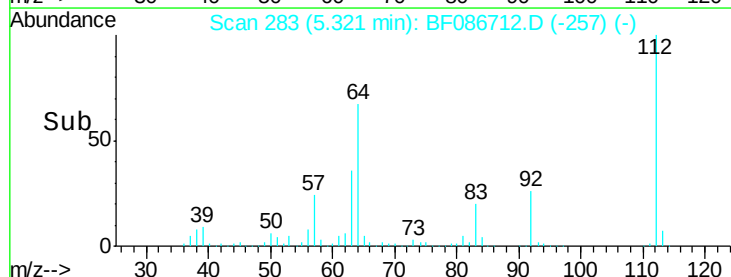
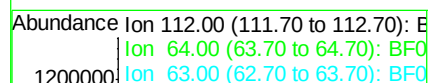
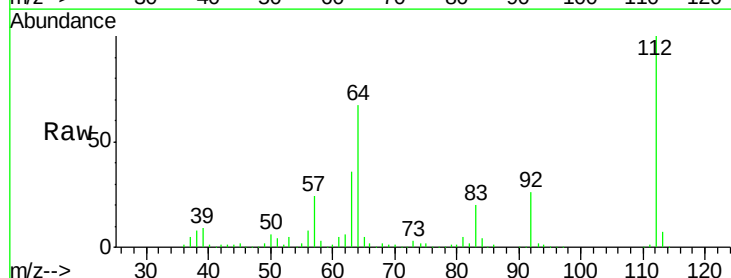
Tgt Ion:112 Resp: 1118089

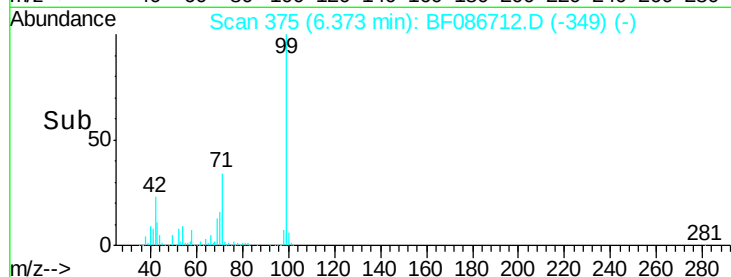
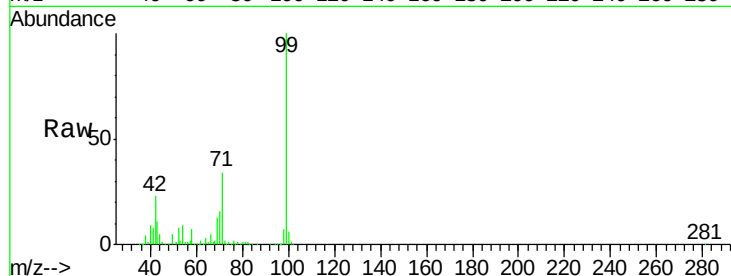
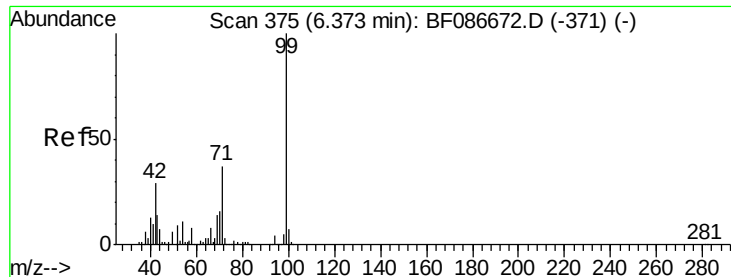
Ion Ratio Lower Upper

112 100

64 66.5 52.1 78.1

63 35.5 25.7 38.5





#7

Phenol-d6

Concen: 115.86 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-003

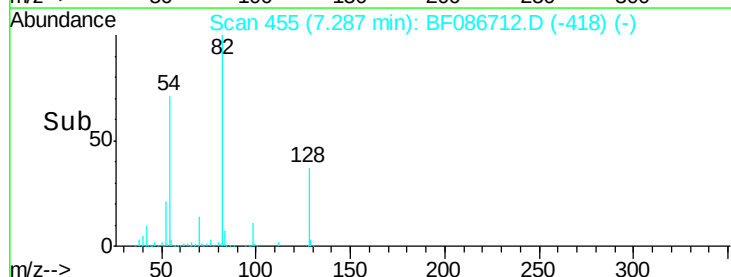
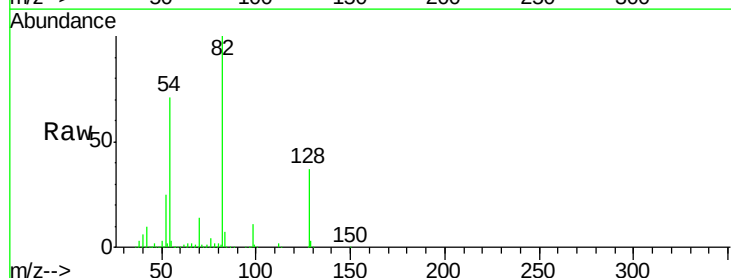
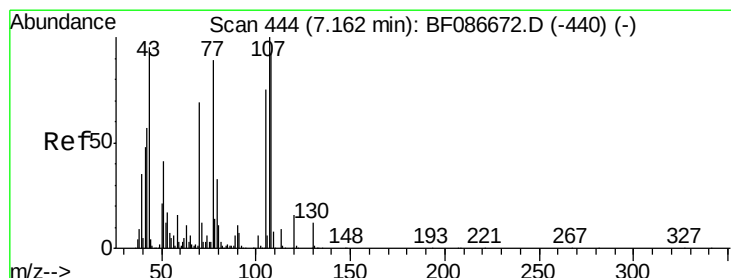
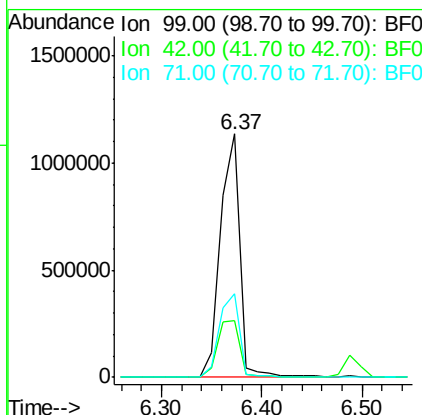
Tgt Ion: 99 Resp: 1534777

Ion Ratio Lower Upper

99 100

42 23.4 13.6 20.4#

71 34.4 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.52 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.13 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

Tgt Ion: 70 Resp: 122397

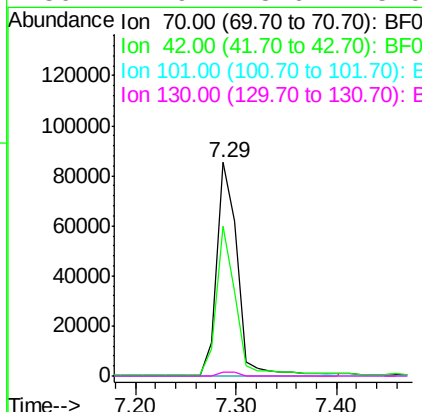
Ion Ratio Lower Upper

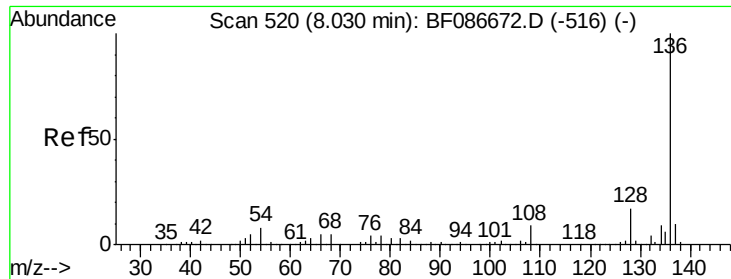
70 100

42 70.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

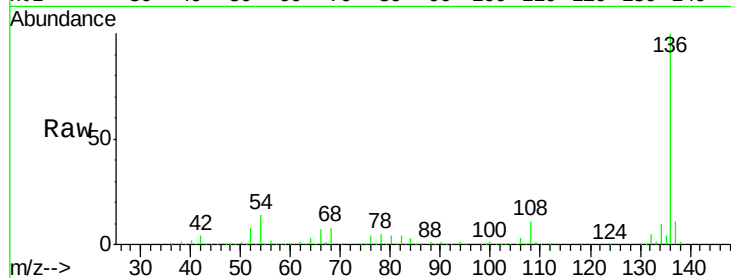




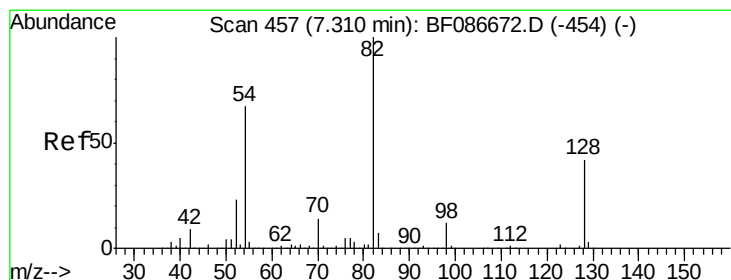
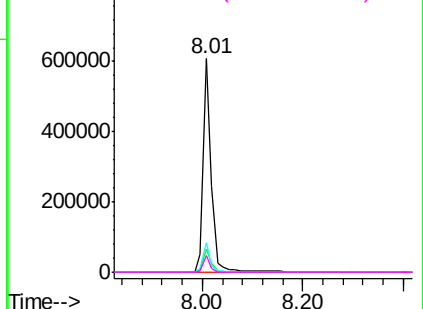
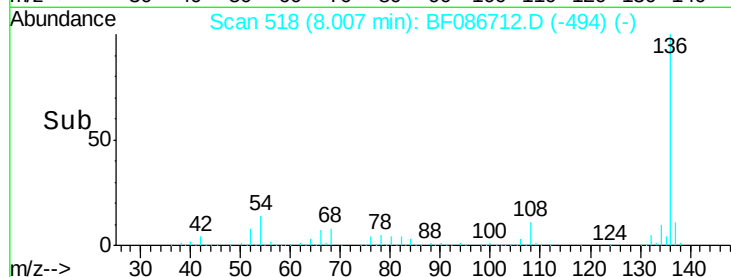
#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086712.D
Acq: 5 May 2016 18:24

Instrument :
BNA_F
ClientSampleId :
TILCON-MH-SF-003

Tgt Ion:	136	Resp:	682306
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	13.9	5.0	7.4#
68	7.7	4.4	6.6#

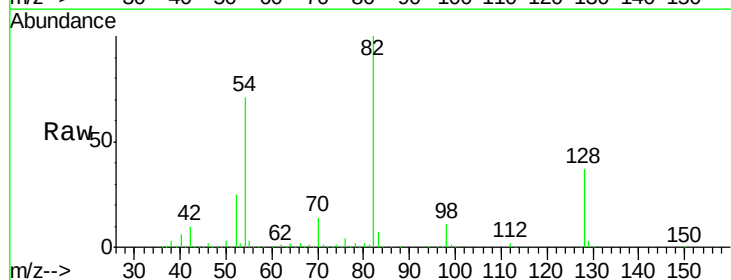


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

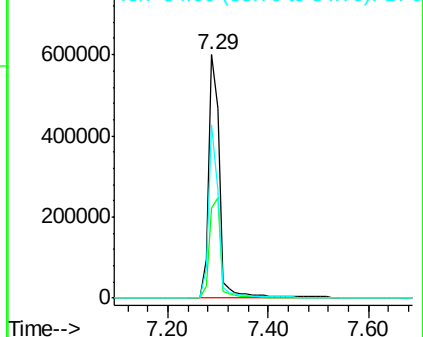
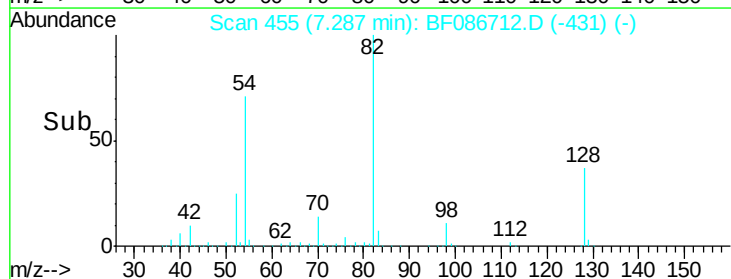


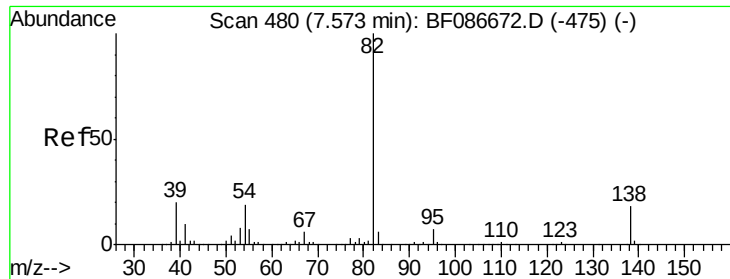
#23
Nitrobenzene-d5
Concen: 68.67 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF086712.D
Acq: 5 May 2016 18:24

Tgt Ion:	82	Resp:	911831
Ion	Ratio	Lower	Upper
82	100		
128	37.0	40.6	61.0#
54	71.4	38.1	57.1#



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

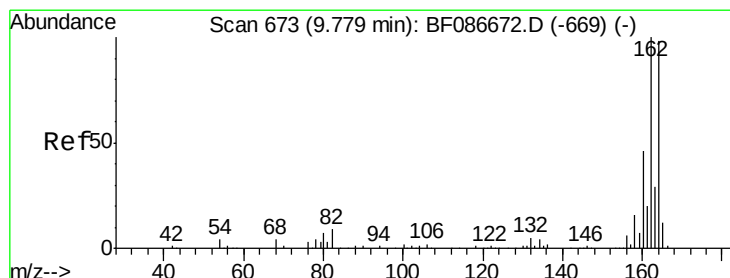
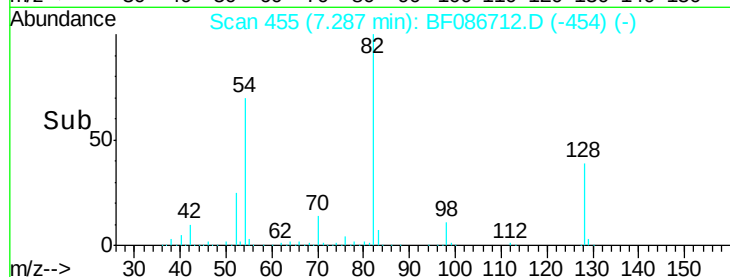
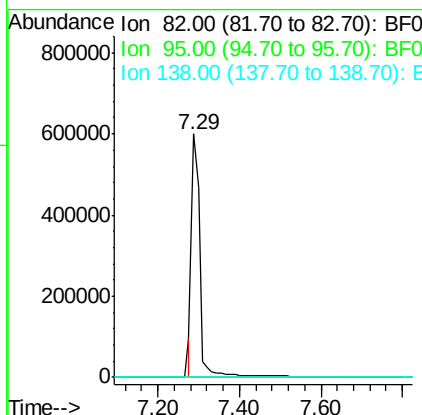
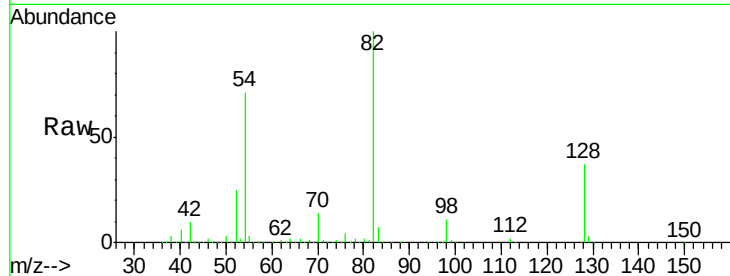




#25
Isophorone
Concen: 33.45 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.29 min
Lab File: BF086712.D
Acq: 5 May 2016 18:24

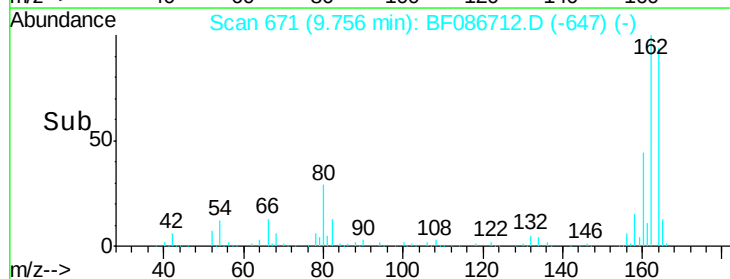
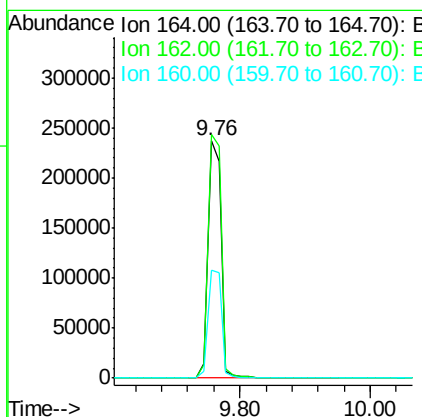
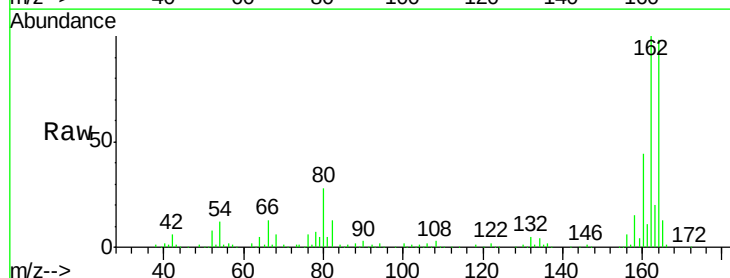
Instrument :
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ClientSampleId :
TILCON-MH-SF-003

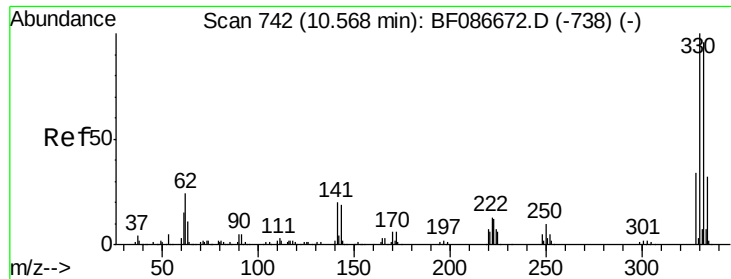
Tgt Ion: 82 Resp: 827209
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF086712.D
Acq: 5 May 2016 18:24

Tgt Ion: 164 Resp: 334633
Ion Ratio Lower Upper
164 100
162 102.4 82.8 124.2
160 45.4 36.9 55.3

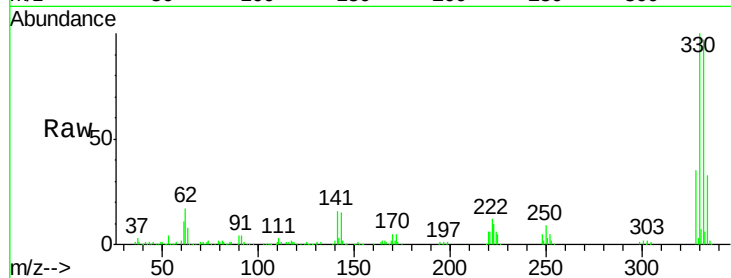




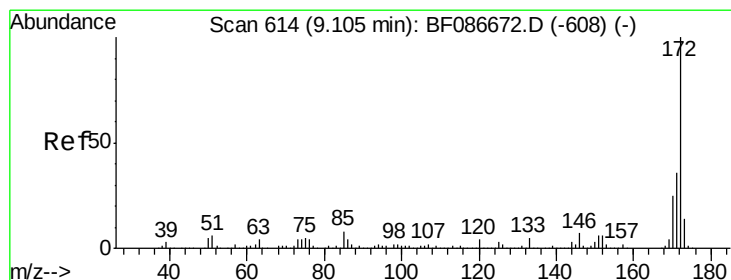
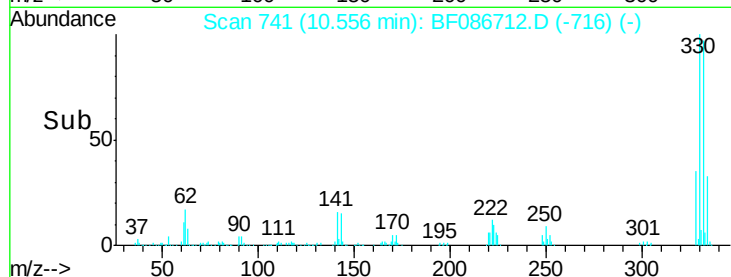
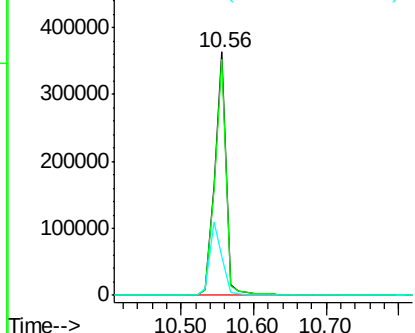
#41
 2,4,6-Tribromophenol
 Concen: 120.74 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086712.D
 Acq: 5 May 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-SF-003

Tgt Ion:330 Resp: 395240
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.0 118.4
 141 33.1 31.2 46.8

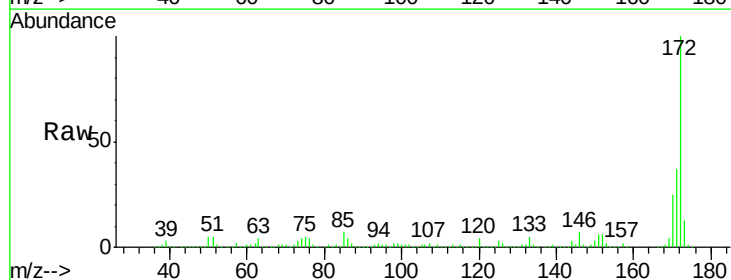


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

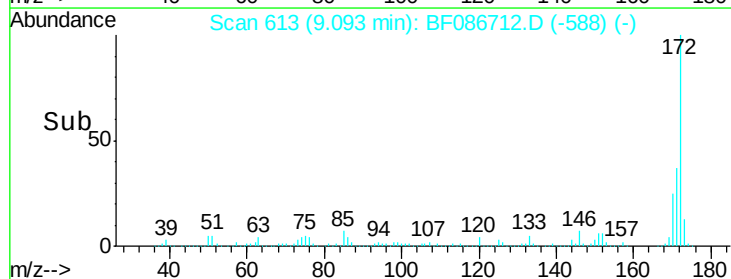
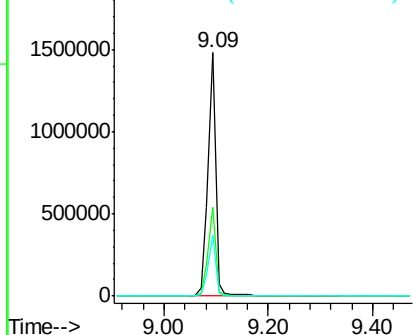


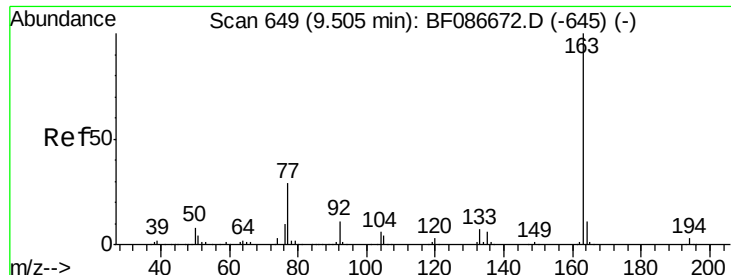
#44
 2-Fluorobiphenyl
 Concen: 75.38 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086712.D
 Acq: 5 May 2016 18:24

Tgt Ion:172 Resp: 1538801
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.6 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

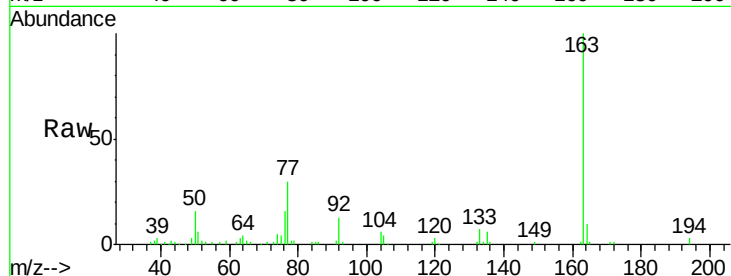




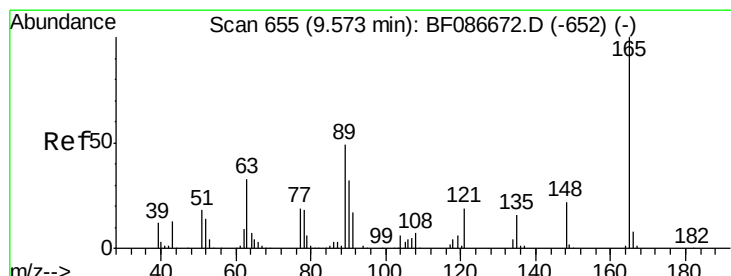
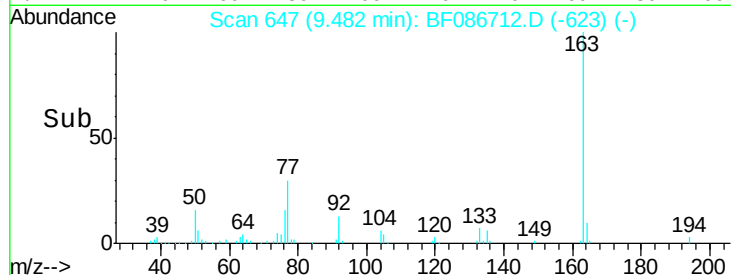
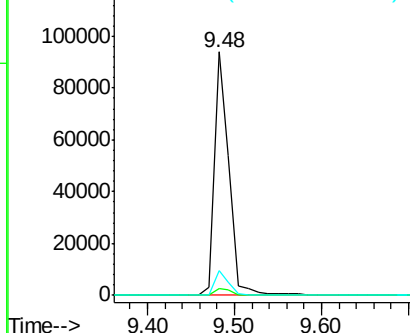
#49
Dimethylphthalate
Concen: 4.43 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF086712.D
Acq: 5 May 2016 18:24

Instrument :
BNA_F
ClientSampleId :
TILCON-MH-SF-003

Tgt Ion:163 Resp: 110475
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.3 8.2 12.4

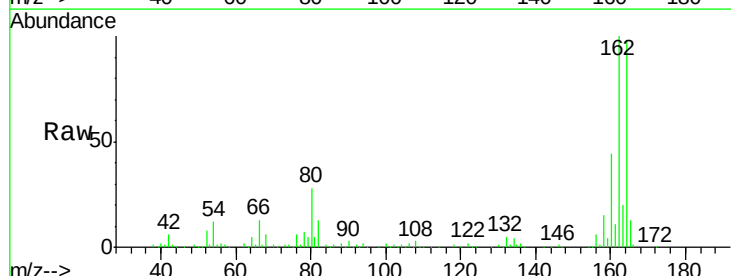


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

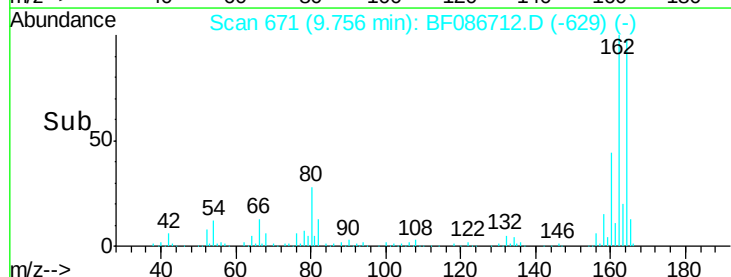
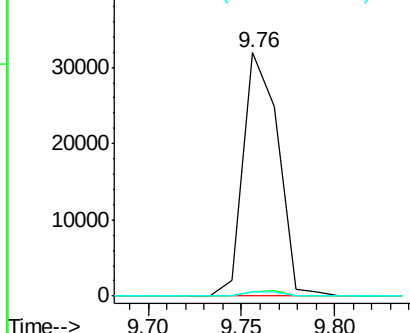


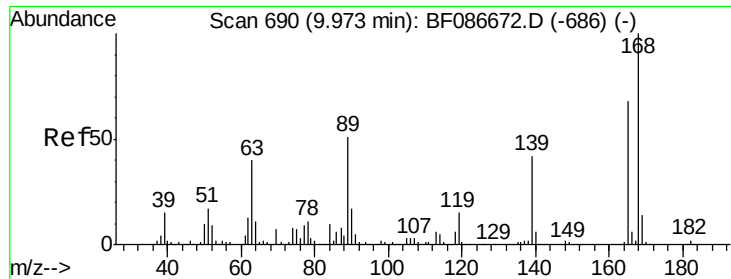
#50
2,6-Dinitrotoluene
Concen: 7.74 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.18 min
Lab File: BF086712.D
Acq: 5 May 2016 18:24

Tgt Ion:165 Resp: 41432
Ion Ratio Lower Upper
165 100
63 1.6 51.8 77.8#
89 1.8 50.7 76.1#



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

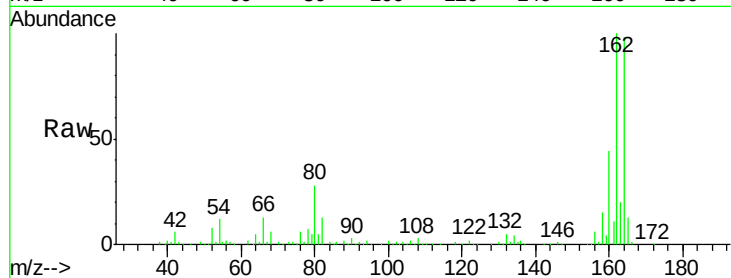




#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.22 min
 Lab File: BF086712.D
 Acq: 5 May 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-SF-003

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.3	66.5#
89	1.8	70.0	105.0#
182	0.0	1.8	2.6#

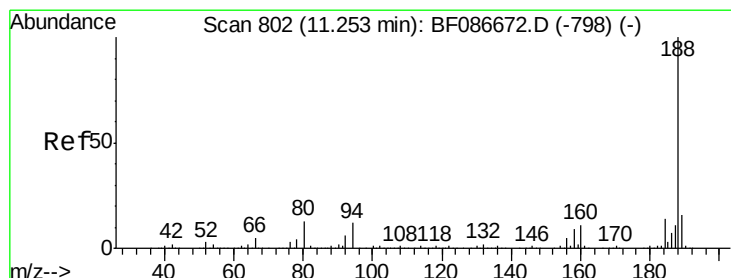
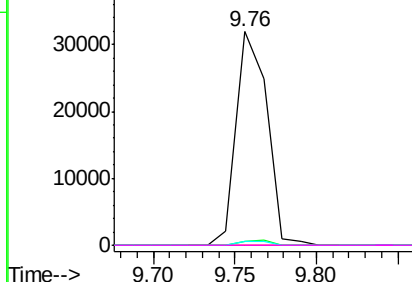
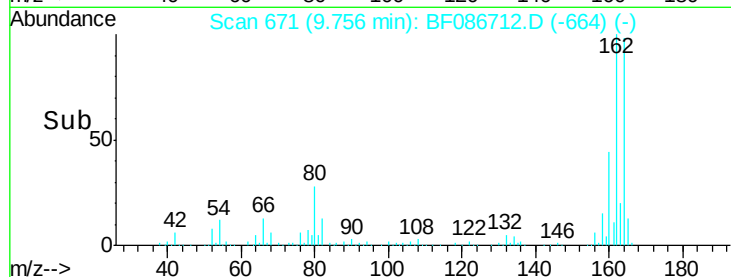


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

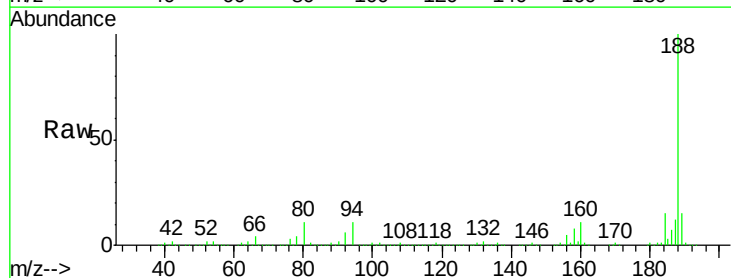
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF086712.D
 Acq: 5 May 2016 18:24

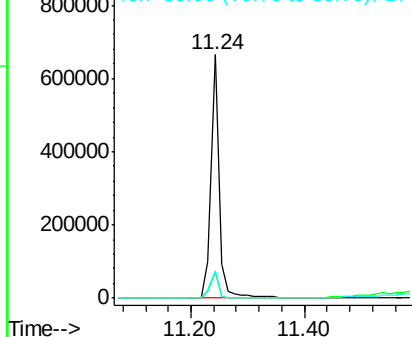
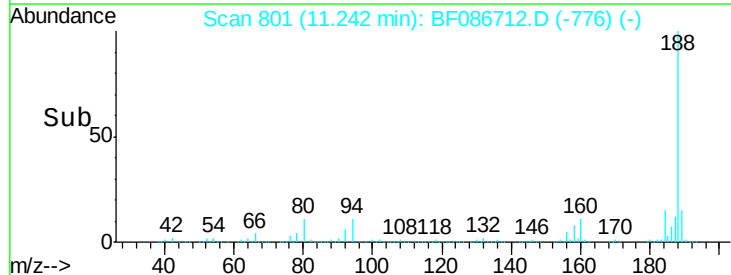
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	6.8	10.2#
80	11.4	7.1	10.7#

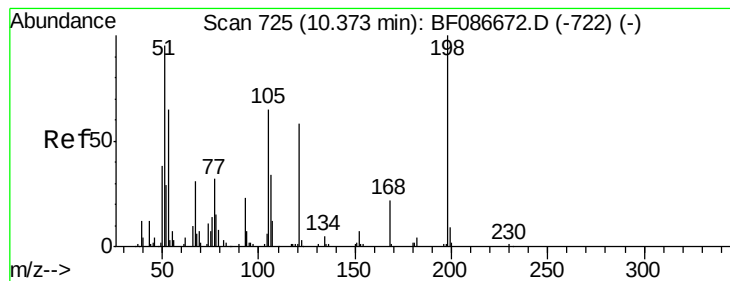


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.56 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.17 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-003

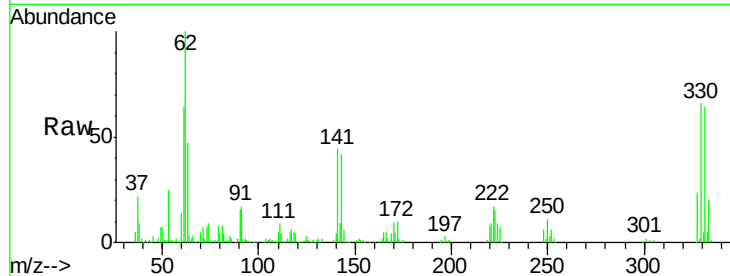
Tgt Ion:198 Resp: 1003

Ion Ratio Lower Upper

198 100

51 351.9 20.5 60.5#

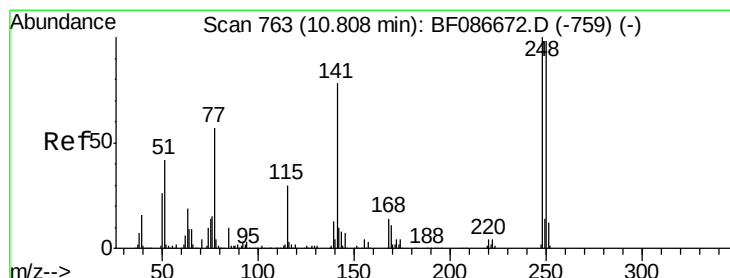
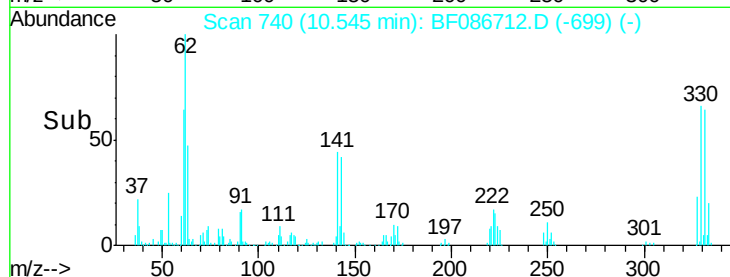
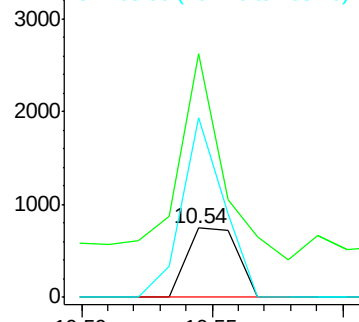
105 259.3 24.5 64.5#



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: 3.51 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

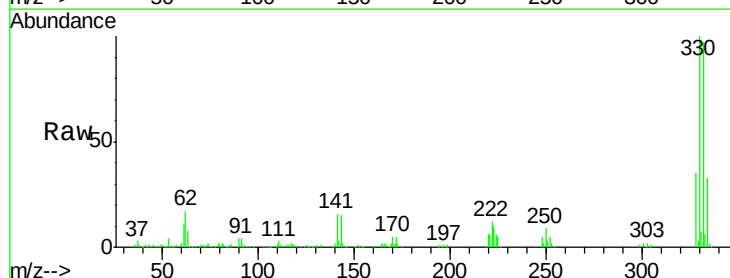
Tgt Ion:248 Resp: 22469

Ion Ratio Lower Upper

248 100

250 203.7 78.6 117.8#

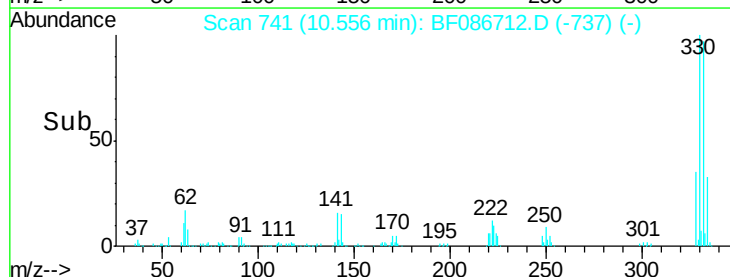
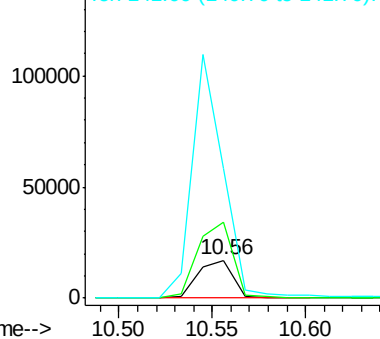
141 344.0 76.0 114.0#

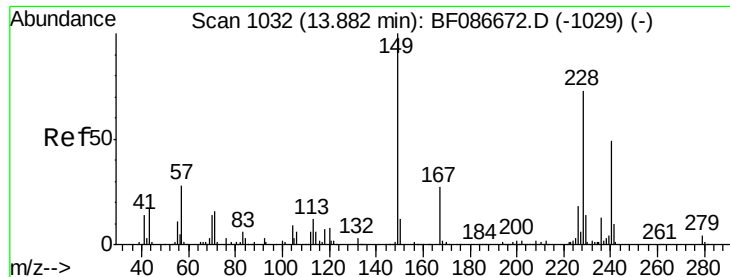


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-003

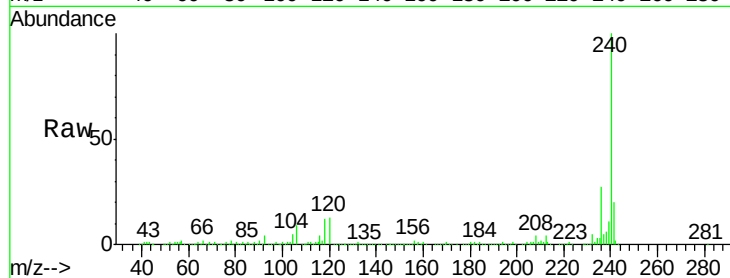
Tgt Ion:240 Resp: 524764

Ion Ratio Lower Upper

240 100

120 13.3 11.2 16.8

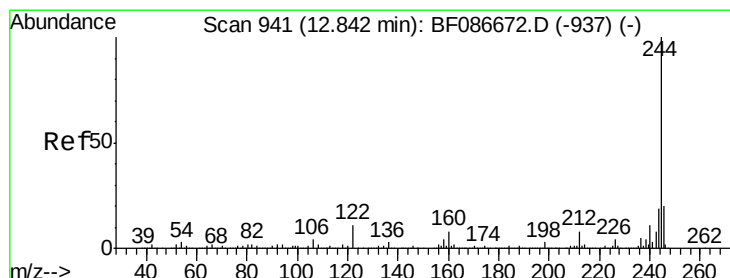
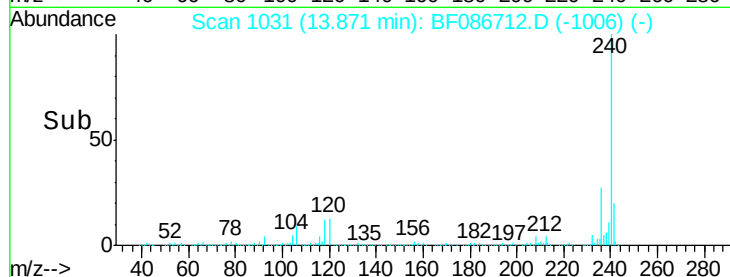
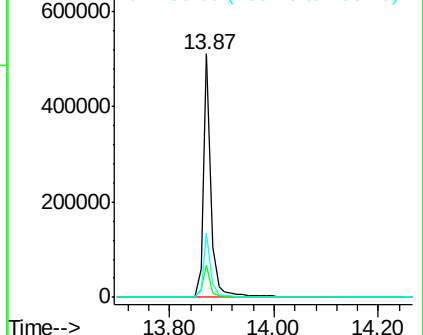
236 26.7 21.2 31.8



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: 52.39 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF086712.D

Acq: 5 May 2016 18:24

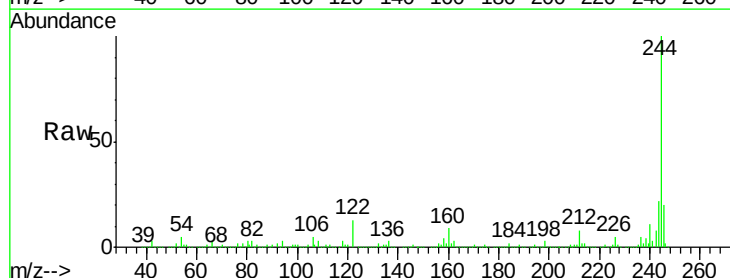
Tgt Ion:244 Resp: 1360244

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

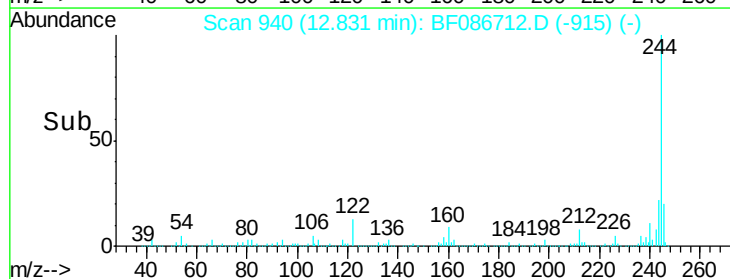
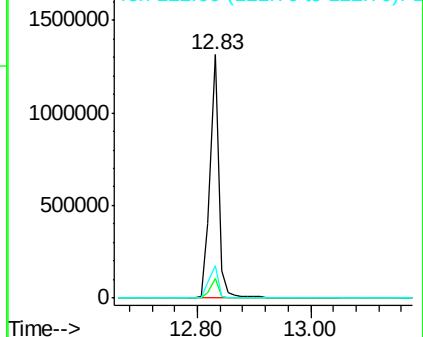
122 13.2 12.0 18.0

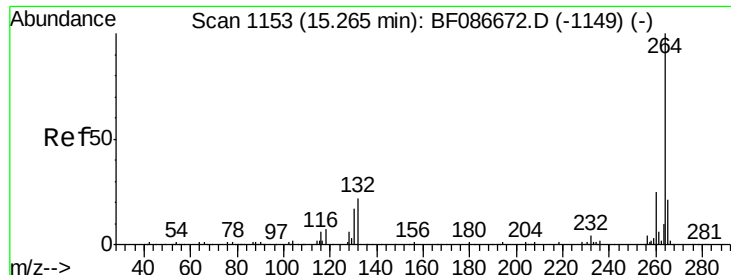


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

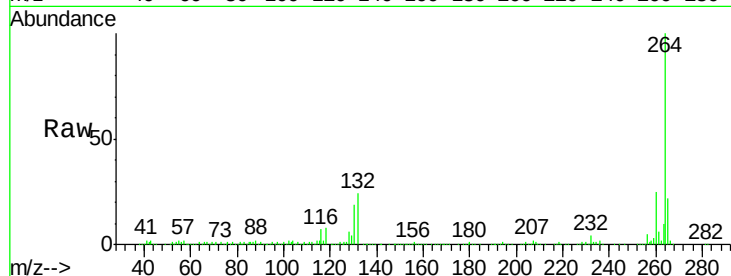




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF086712.D
Acq: 5 May 2016 18:24

Instrument :
BNA_F
ClientSampleId :
TILCON-MH-SF-003

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.9	17.3	25.9



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

