

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010716\
 Data File : BF084323.D
 Acq On : 8 Jan 2016 2:57
 Operator : SJ/UM
 Sample : H1031-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-SF-001

Quant Time: Jan 08 04:46:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

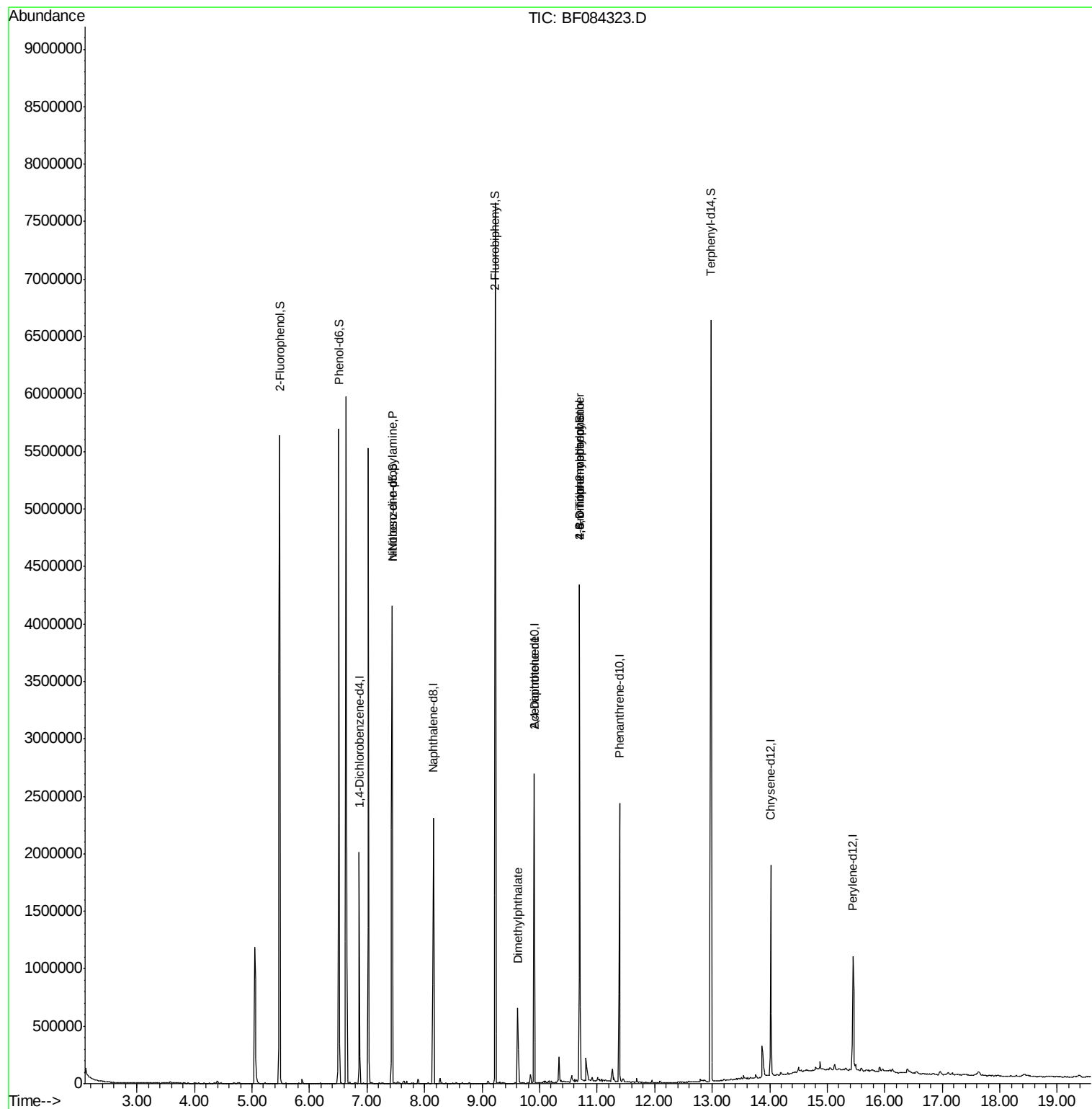
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	258280	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1087546	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	478413	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	884851	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	638323	20.00	ng	-0.05
86) Perylene-d12	15.45	264	511758	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1768139	110.73	ng	-0.01
7) Phenol-d6	6.51	99	1890447	94.26	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1493016	76.40	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	456867	94.59	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	2050024	74.61	ng	-0.03
78) Terphenyl-d14	12.98	244	2059346	72.01	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	208451	15.35	ng	# 73
49) Dimethylphthalate	9.62	163	289055	8.45	ng	# 89
56) 2,4-Dinitrotoluene	9.90	165	65145	6.86	ng	# 21
57) Fluorene	10.69	166	20003	Below Cal		# 91
64) 4,6-Dinitro-2-methylphenol	10.69	198	1341	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	29393	3.09	ng	# 1
73) Di-n-butylphthalate	11.95	149	10847	Below Cal		# 97

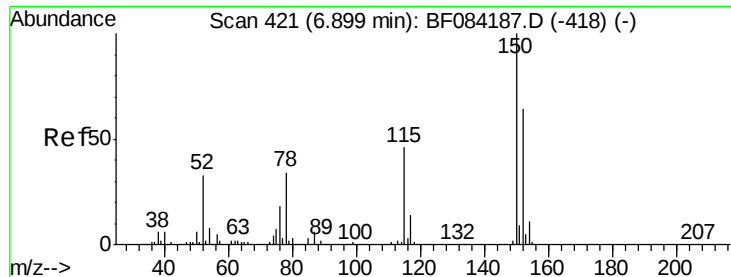
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-001

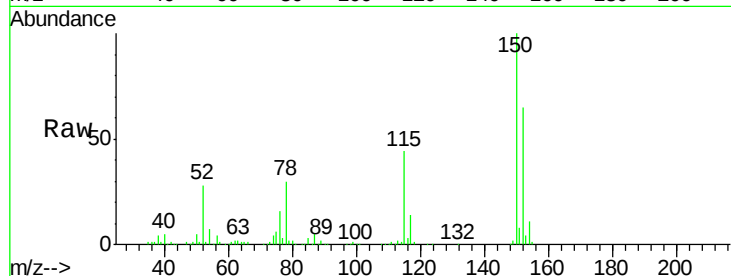
Tgt Ion:152 Resp: 258280

Ion Ratio Lower Upper

152 100

150 154.1 123.0 184.4

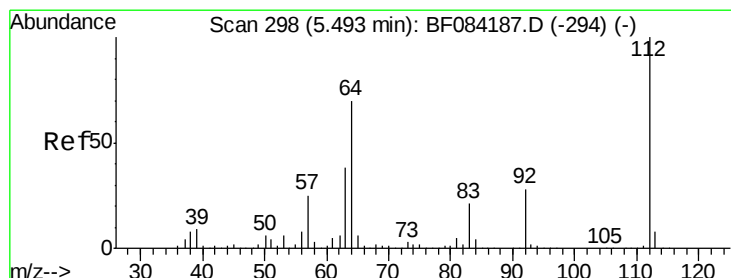
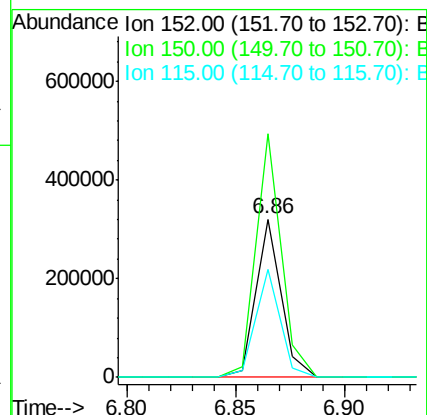
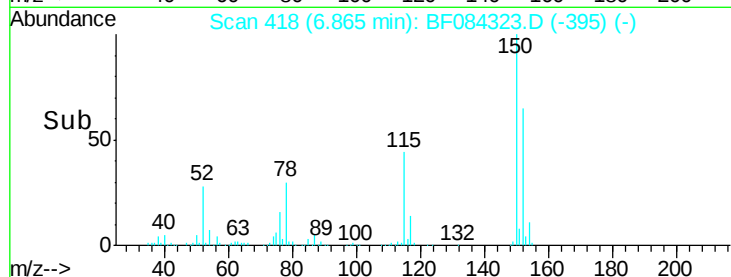
115 68.5 51.4 77.2



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: 110.73 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

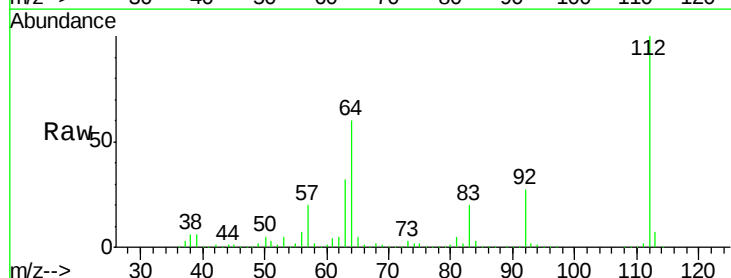
Tgt Ion:112 Resp: 1768139

Ion Ratio Lower Upper

112 100

64 60.3 36.6 55.0#

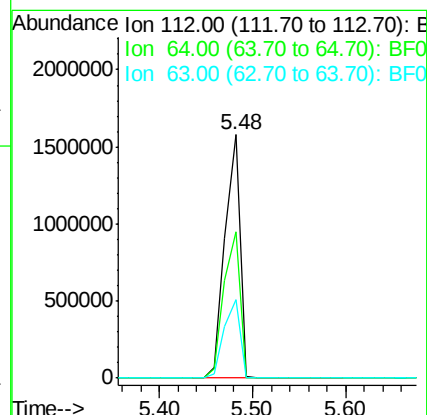
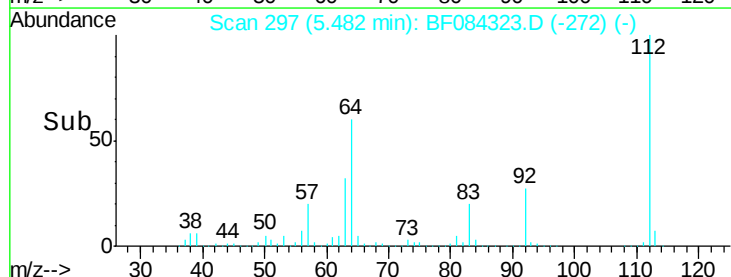
63 32.3 19.4 29.0#

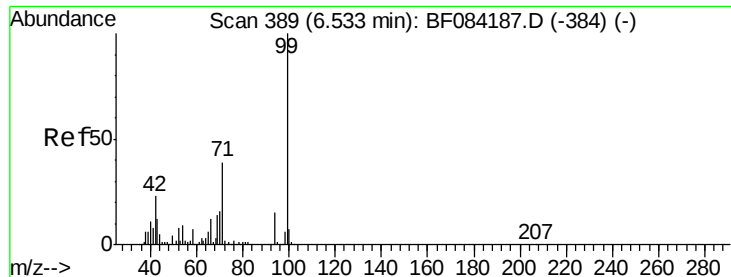


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.26 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-001

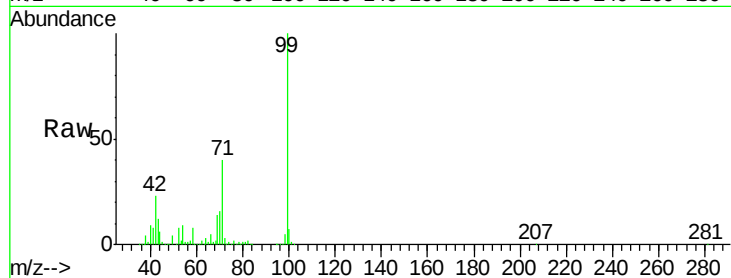
Tgt Ion: 99 Resp: 1890447

Ion Ratio Lower Upper

99 100

42 22.9 12.8 19.2#

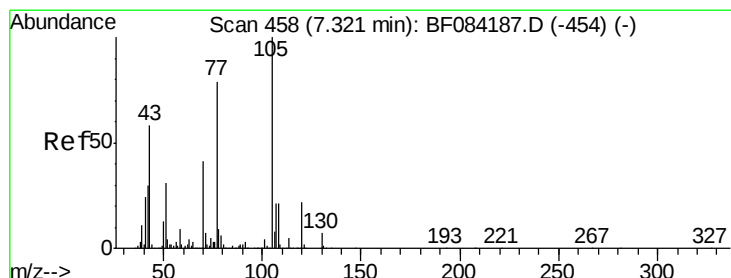
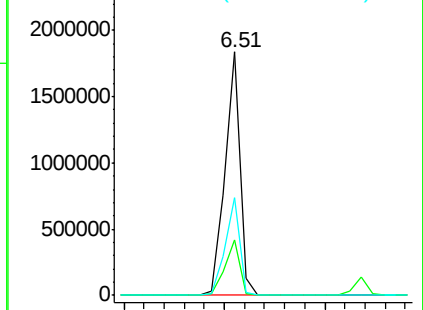
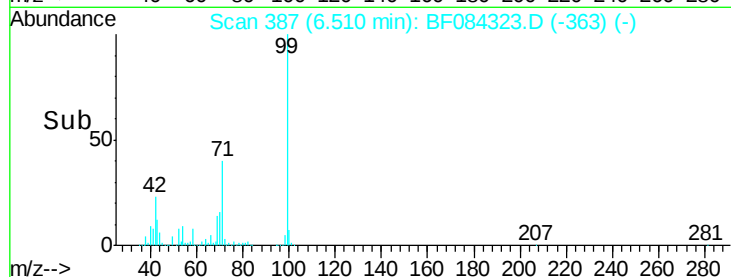
71 40.3 30.9 46.3



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: 15.35 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.11 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

Tgt Ion: 70 Resp: 208451

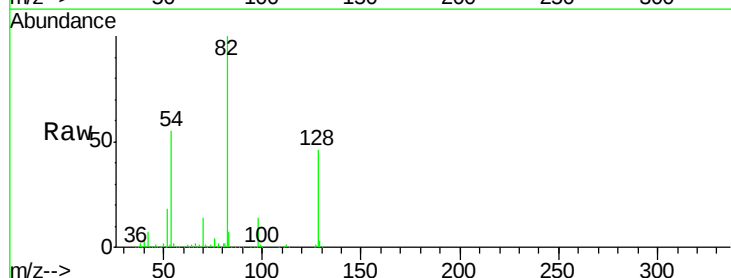
Ion Ratio Lower Upper

70 100

42 46.8 33.3 49.9

101 0.0 9.3 13.9#

130 1.9 23.4 35.0#

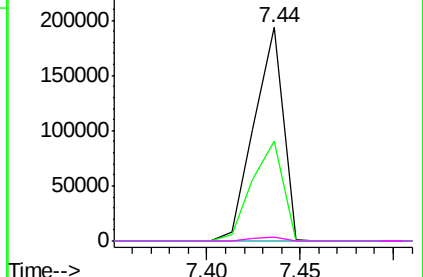
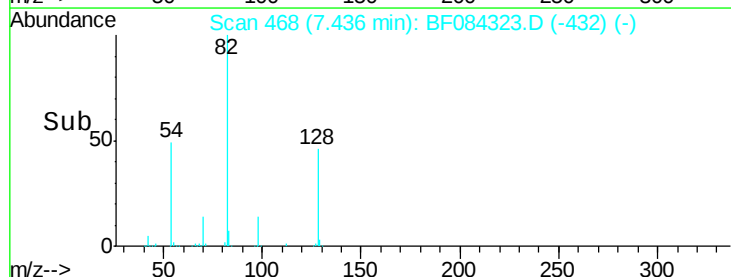


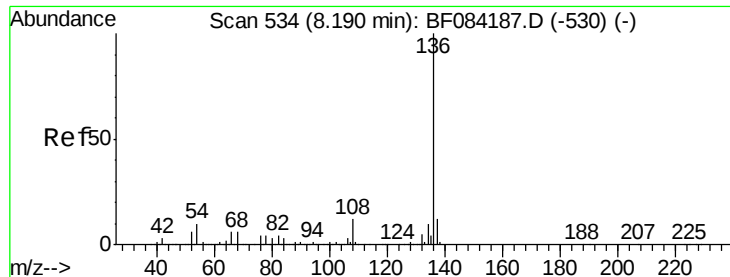
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.16 min Scan# 531

Delta R.T. -0.03 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-001

Tgt Ion:136 Resp: 1087546

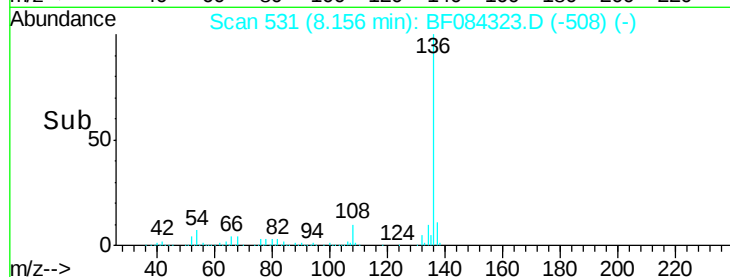
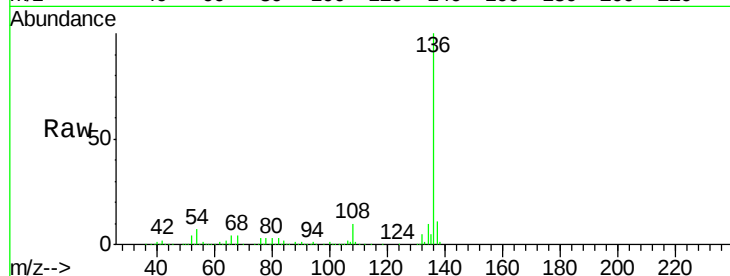
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 7.1 5.8 8.8

68 4.2 4.2 6.2

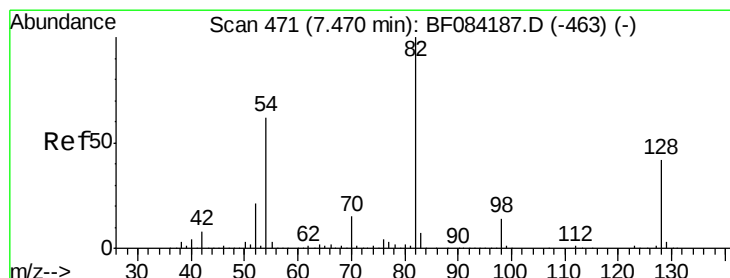
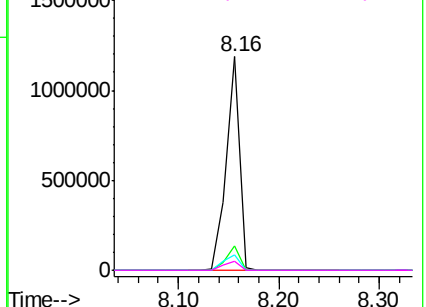


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.40 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

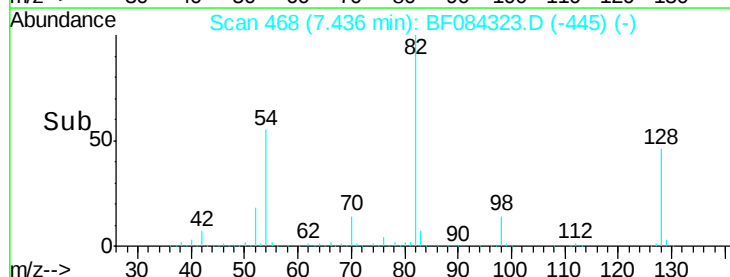
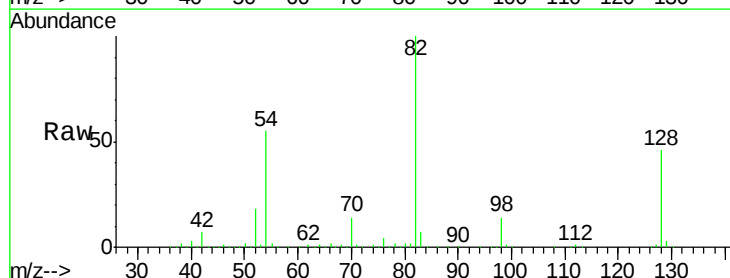
Tgt Ion: 82 Resp: 1493016

Ion Ratio Lower Upper

82 100

128 46.0 34.6 51.8

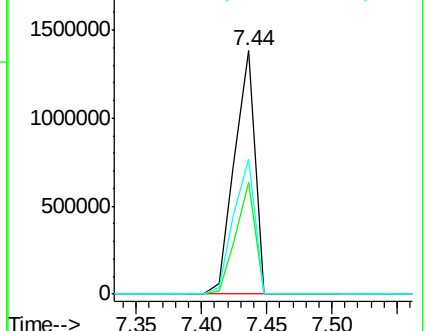
54 55.3 38.4 57.6

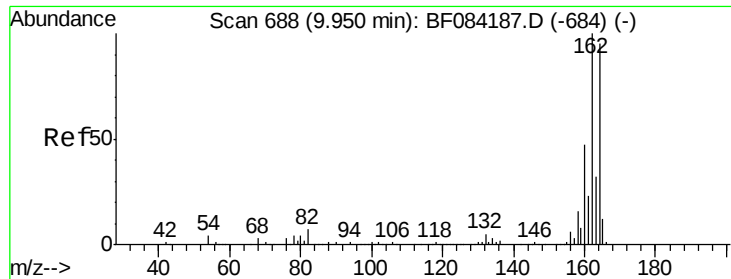


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-001

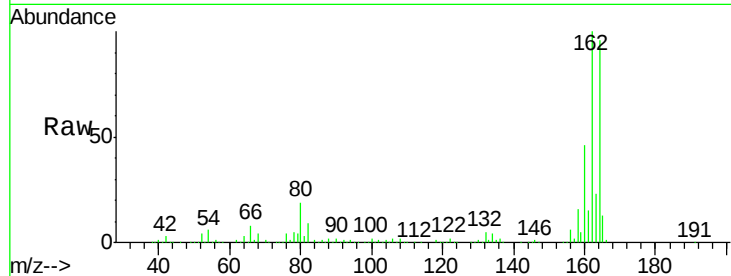
Tgt Ion:164 Resp: 478413

Ion Ratio Lower Upper

164 100

162 103.9 85.1 127.7

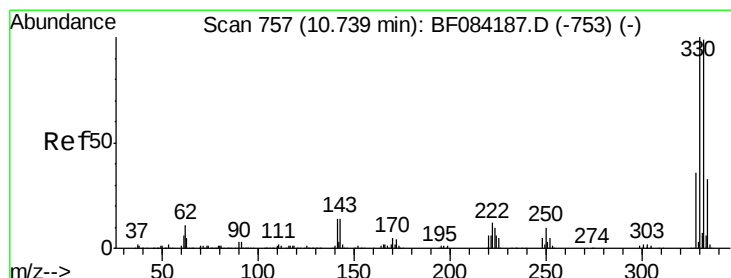
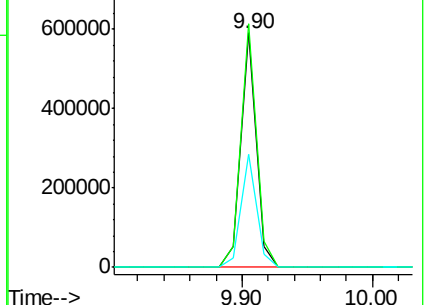
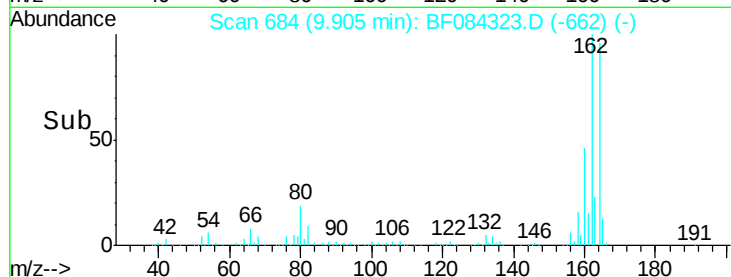
160 48.2 37.5 56.3



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: 94.59 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

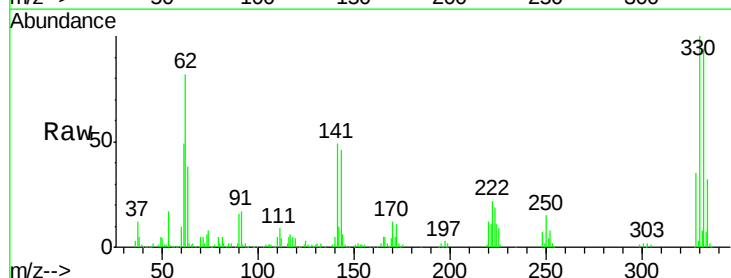
Tgt Ion:330 Resp: 456867

Ion Ratio Lower Upper

330 100

332 96.1 76.6 114.8

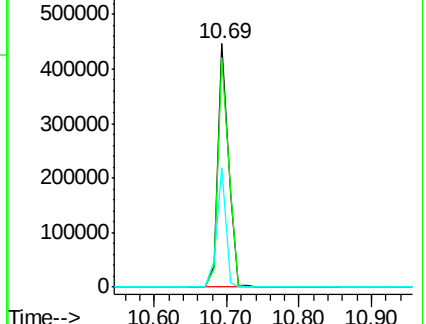
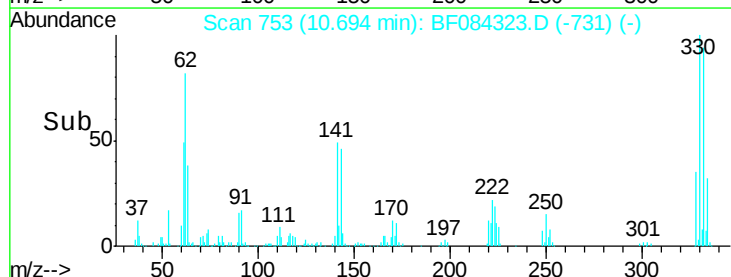
141 42.0 27.8 41.6#

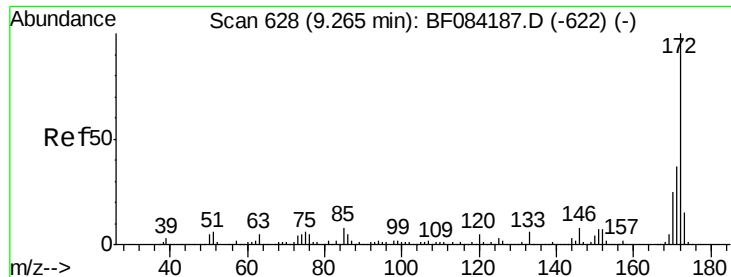


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

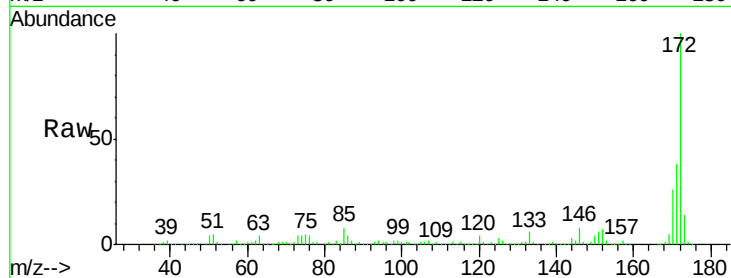




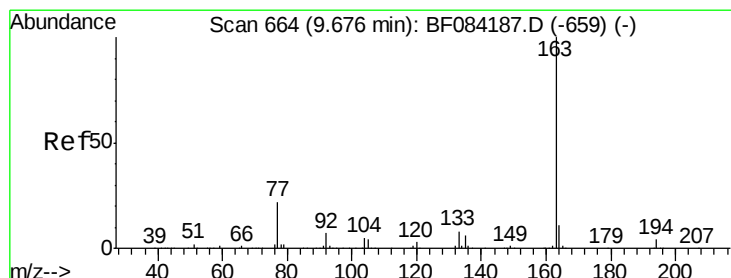
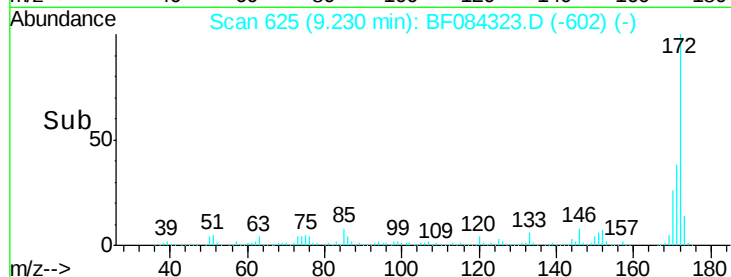
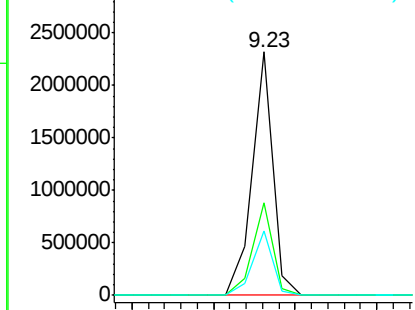
#44
 2-Fluorobiphenyl
 Concen: 74.61 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084323.D
 Acq: 8 Jan 2016 2:57

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-SF-001

Tgt Ion:172 Resp: 2050024
 Ion Ratio Lower Upper
 172 100
 171 38.2 28.9 43.3
 170 26.3 18.6 27.8

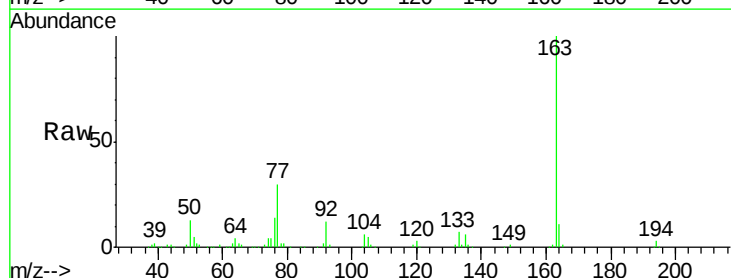


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

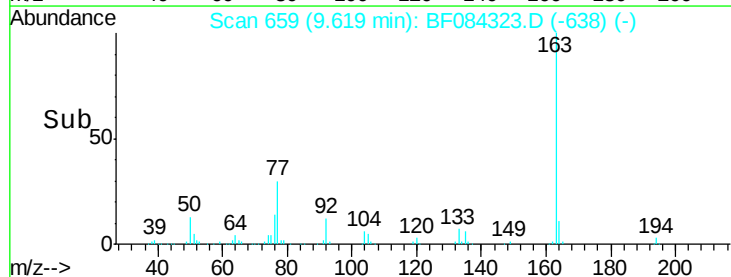
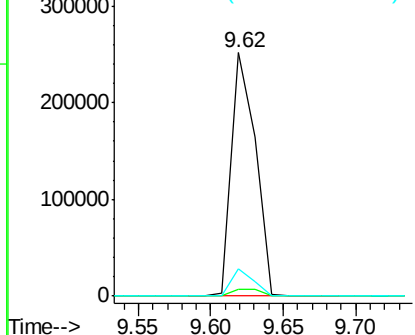


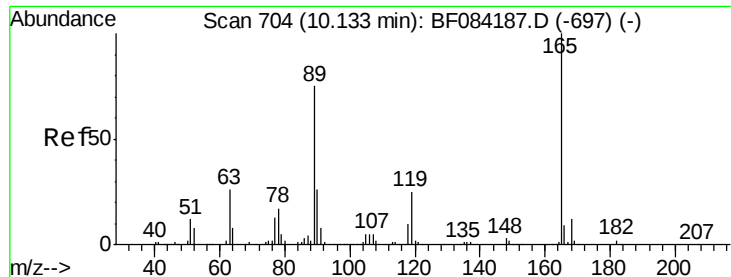
#49
 Dimethylphthalate
 Concen: 8.45 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.06 min
 Lab File: BF084323.D
 Acq: 8 Jan 2016 2:57

Tgt Ion:163 Resp: 289055
 Ion Ratio Lower Upper
 163 100
 194 2.6 8.0 12.0#
 164 11.1 8.0 12.0



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

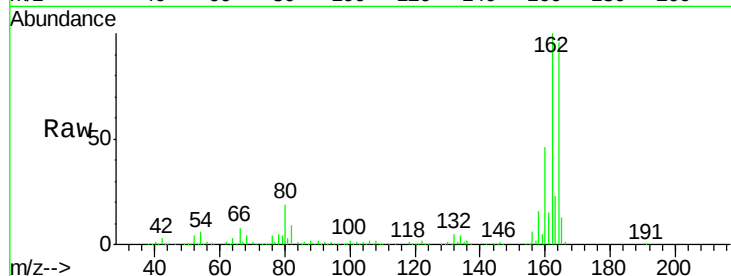




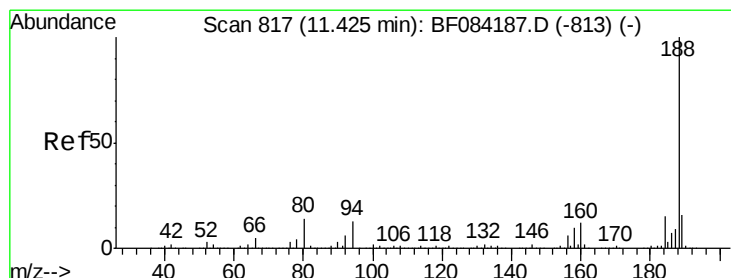
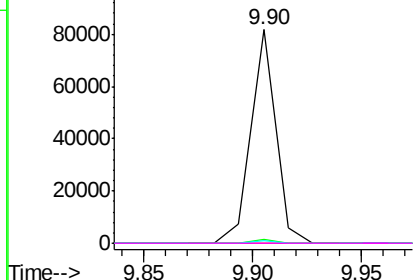
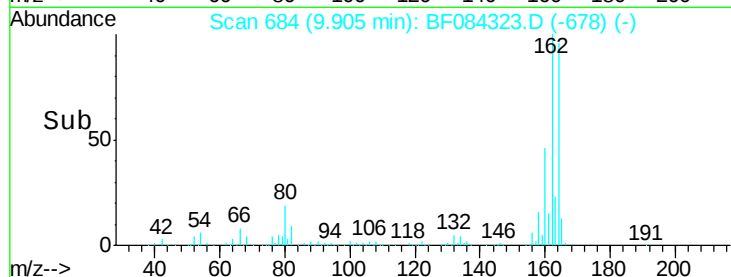
#56
 2,4-Dinitrotoluene
 Concen: 6.86 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.23 min
 Lab File: BF084323.D
 Acq: 8 Jan 2016 2:57

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-SF-001

Tgt Ion:165 Resp: 65145
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.7 55.1#
 89 1.3 61.9 92.9#
 182 0.0 2.0 3.0#

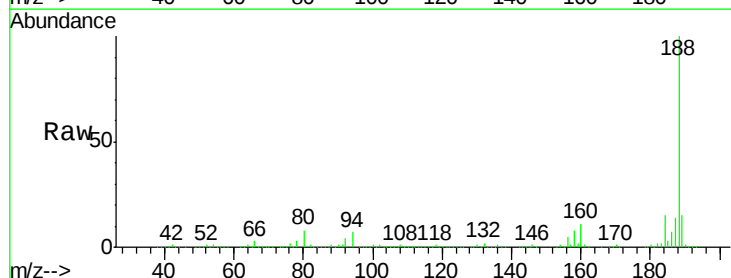


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

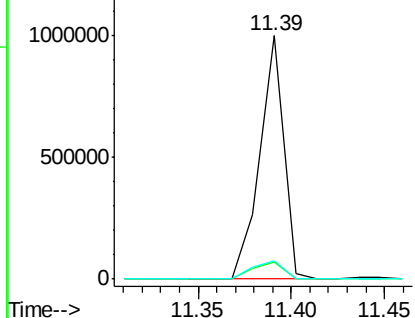
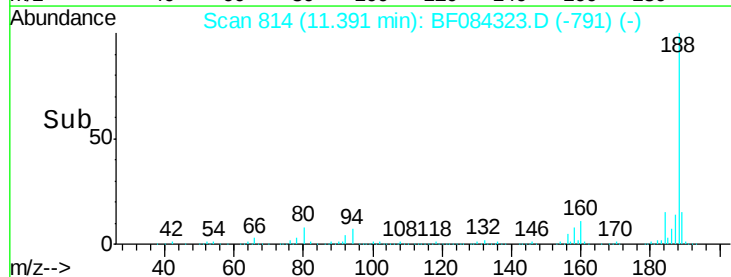


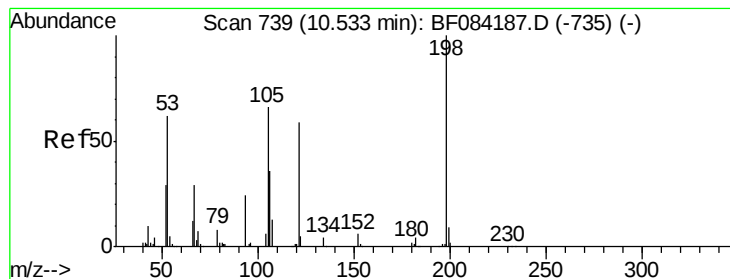
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.03 min
 Lab File: BF084323.D
 Acq: 8 Jan 2016 2:57

Tgt Ion:188 Resp: 884851
 Ion Ratio Lower Upper
 188 100
 94 7.3 9.0 13.4#
 80 7.7 9.6 14.4#



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: 6.61 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.16 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-001

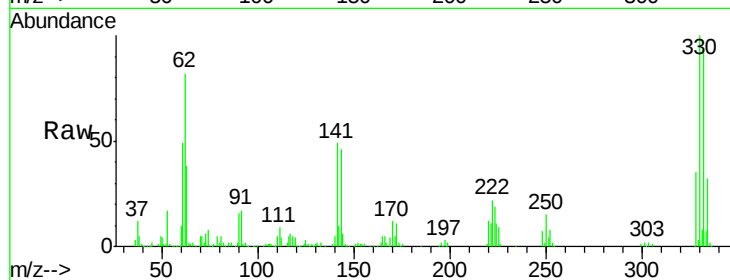
Tgt Ion:198 Resp: 1341

Ion Ratio Lower Upper

198 100

51 161.3 18.9 58.9#

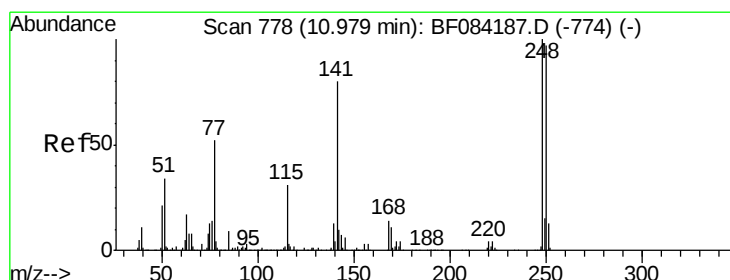
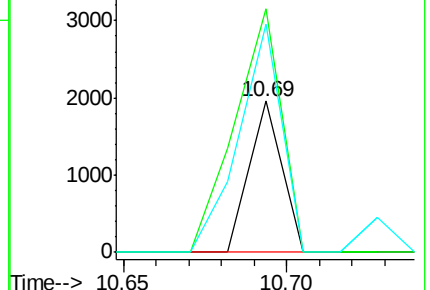
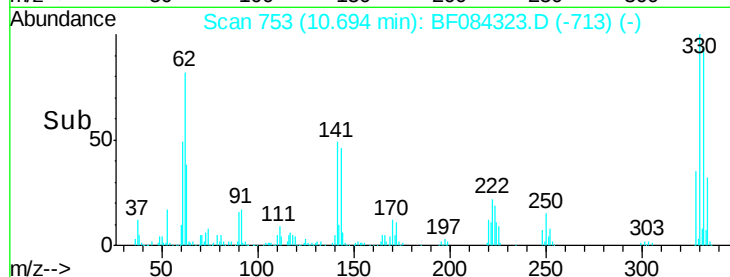
105 151.2 26.4 66.4#



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: 3.09 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

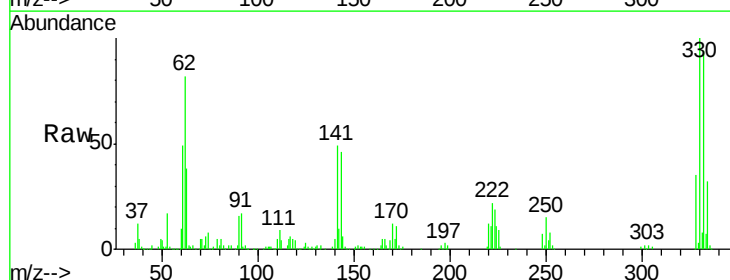
Tgt Ion:248 Resp: 29393

Ion Ratio Lower Upper

248 100

250 200.0 78.4 117.6#

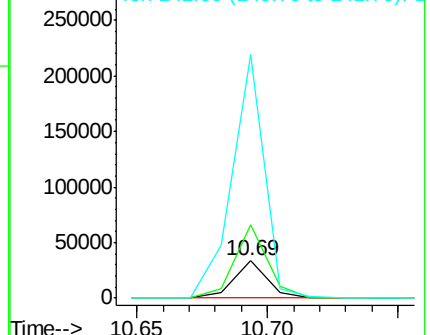
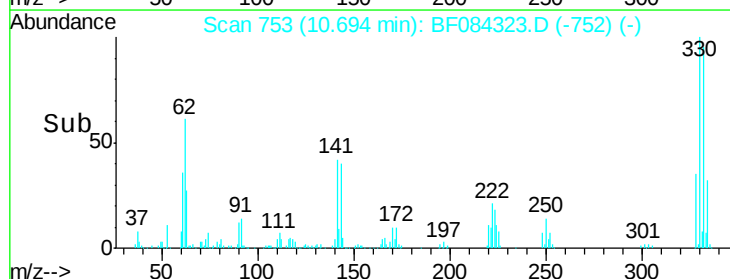
141 659.0 44.0 66.0#

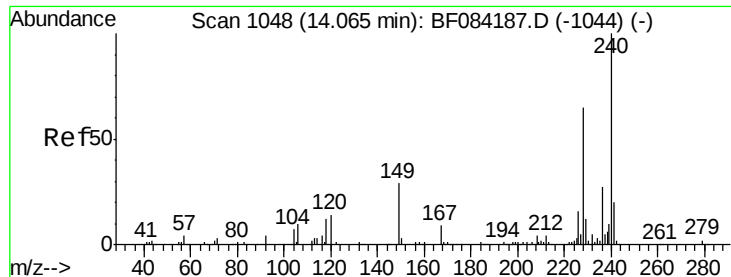


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-SF-001

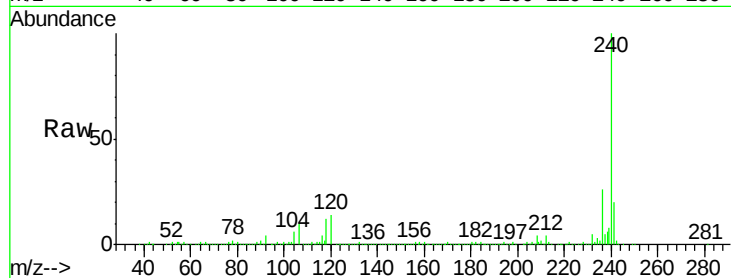
Tgt Ion:240 Resp: 638323

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

236 25.8 20.6 31.0



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

14.02

800000

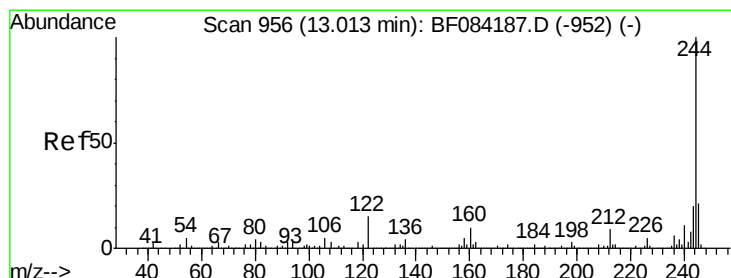
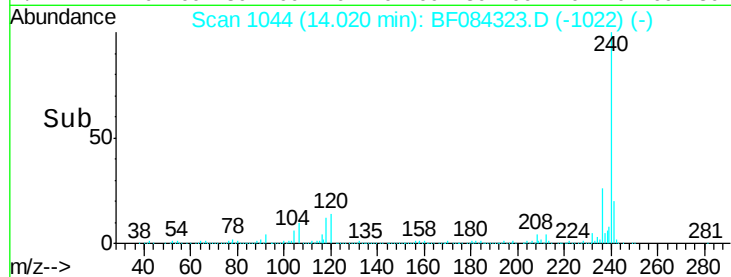
600000

400000

200000

0

Time--> 13.90 14.00 14.10 14.20



#78

Terphenyl-d14

Concen: 72.01 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.03 min

Lab File: BF084323.D

Acq: 8 Jan 2016 2:57

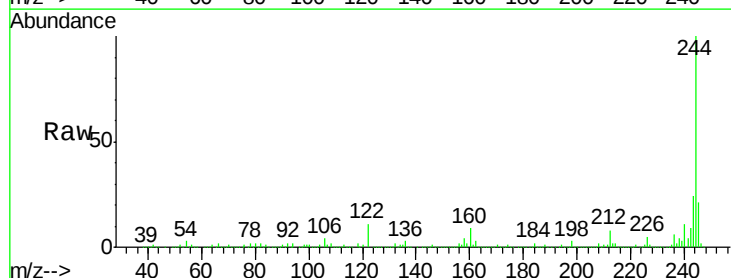
Tgt Ion:244 Resp: 2059346

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

122 11.5 7.4 11.0#



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

12.98

2500000

2000000

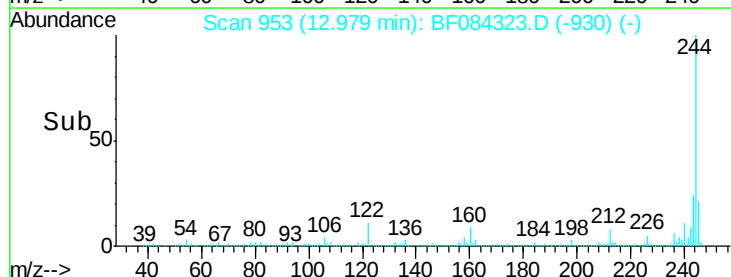
1500000

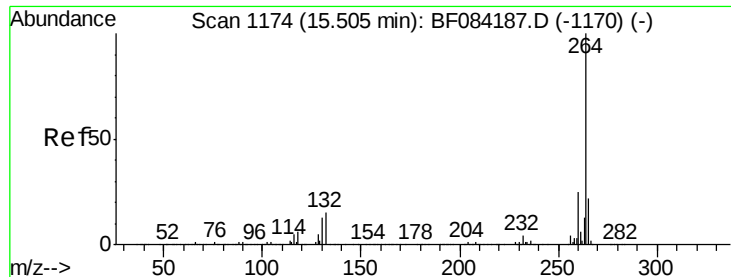
1000000

500000

0

Time--> 12.90 13.00 13.10

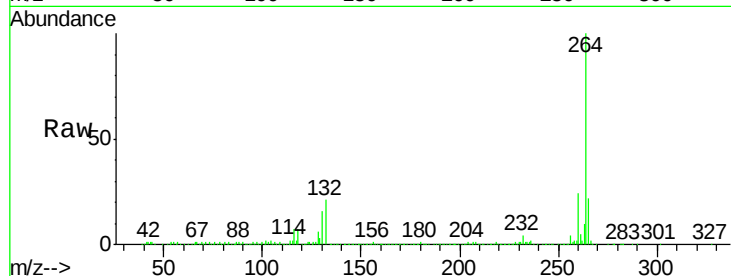




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF084323.D
Acq: 8 Jan 2016 2:57

Instrument :
BNA_F
ClientSampleId :
TILCON-MH-SF-001

Tgt Ion: 264 Resp: 511758
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.7 17.8 26.6



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

