

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089163.D
 Acq On : 21 Jul 2016 6:48
 Operator : UM/SJ
 Sample : H4107-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-3-4-STONE-002

Quant Time: Jul 21 07:26:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

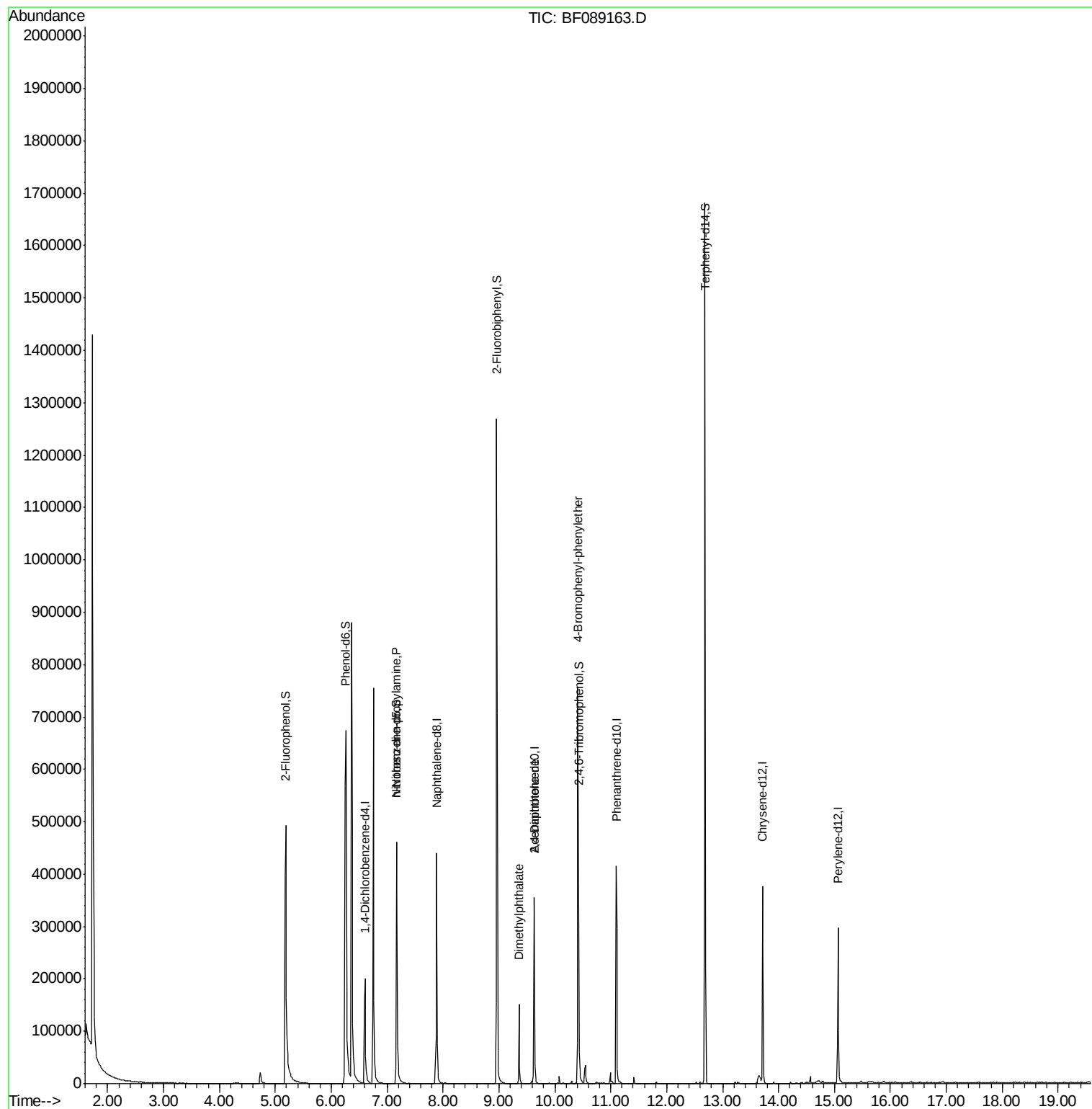
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	53481	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	234471	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	109318	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	214304	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	159352	20.00	ng	-0.01
86) Perylene-d12	15.06	264	120019	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	283512	80.62	ng	0.00
7) Phenol-d6	6.26	99	437020	96.37	ng	-0.01
23) Nitrobenzene-d5	7.16	82	256155	58.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	112412	114.21	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	535395	67.48	ng	-0.01
78) Terphenyl-d14	12.68	244	514356	70.01	ng	0.00
Target Compounds						
9) Benzaldehyde	6.26	77	493	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	33411	11.26 ng	#	81
49) Dimethylphthalate	9.36	163	66576	7.94 ng		99
56) 2,4-Dinitrotoluene	9.63	165	13312	5.46 ng	#	10
66) 4-Bromophenyl-phenylether	10.41	248	7808	3.68 ng	#	1

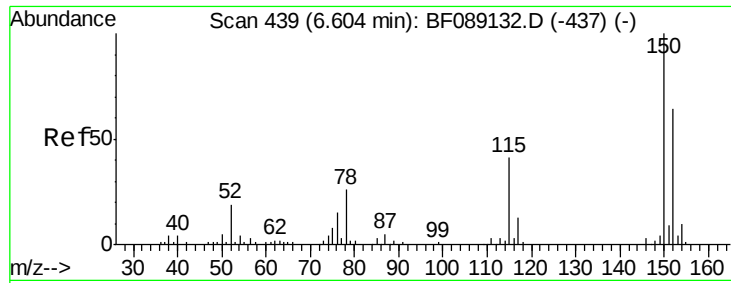
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089163.D

Acq: 21 Jul 2016 6:48

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-3-4-STONE-002

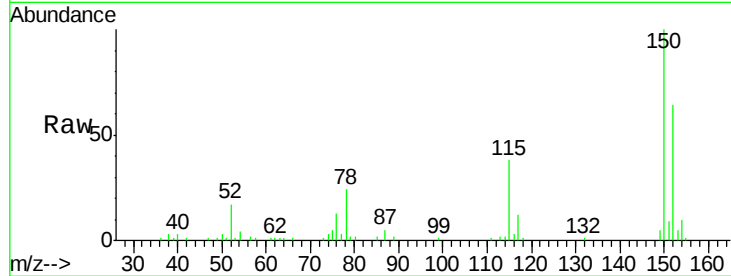
Tgt Ion:152 Resp: 53481

Ion Ratio Lower Upper

152 100

150 156.3 125.1 187.7

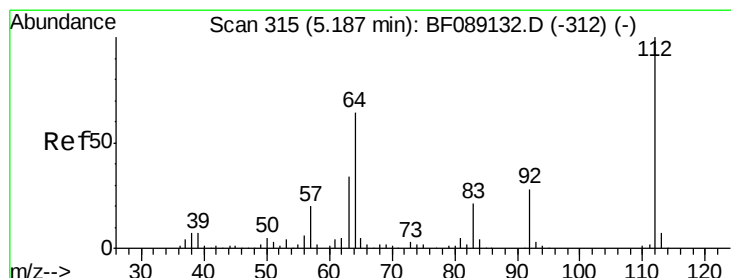
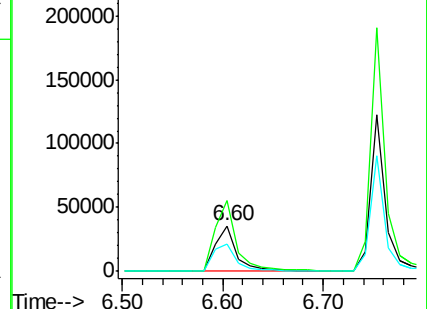
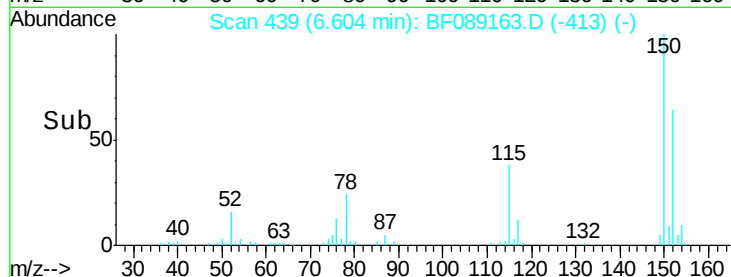
115 59.8 51.1 76.7



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: 80.62 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF089163.D

Acq: 21 Jul 2016 6:48

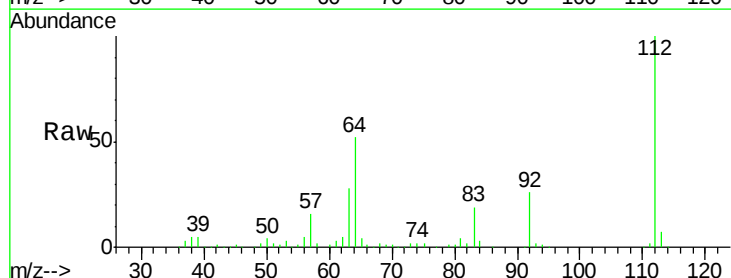
Tgt Ion:112 Resp: 283512

Ion Ratio Lower Upper

112 100

64 52.0 51.0 76.4

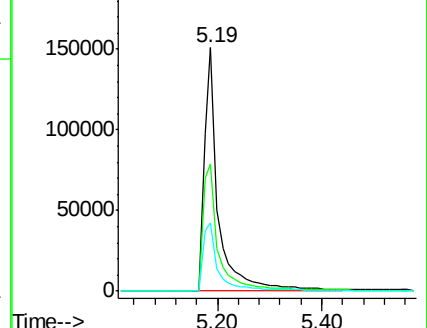
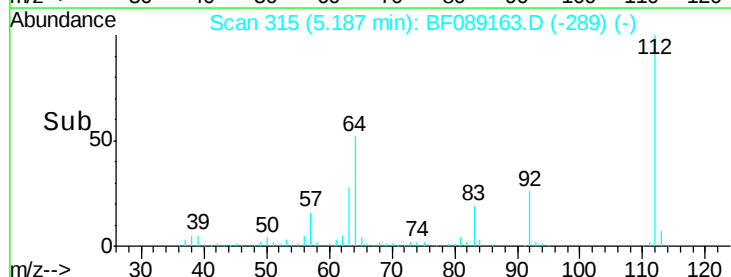
63 28.1 27.3 40.9

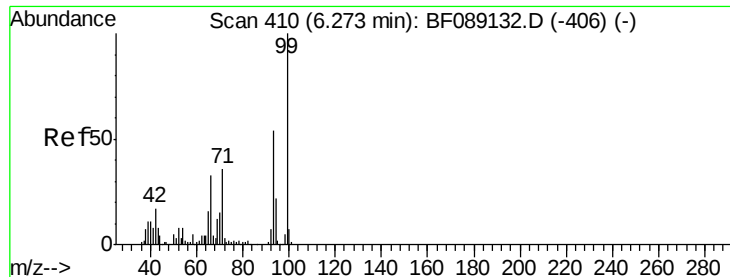


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.37 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089163.D

Acq: 21 Jul 2016 6:48

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-3-4-STONE-002

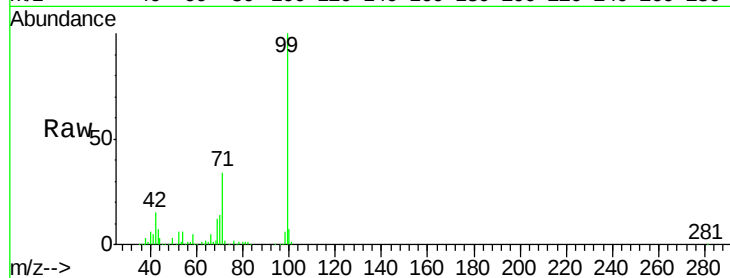
Tgt Ion: 99 Resp: 437020

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

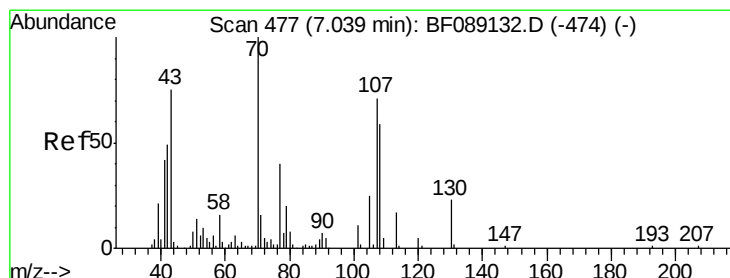
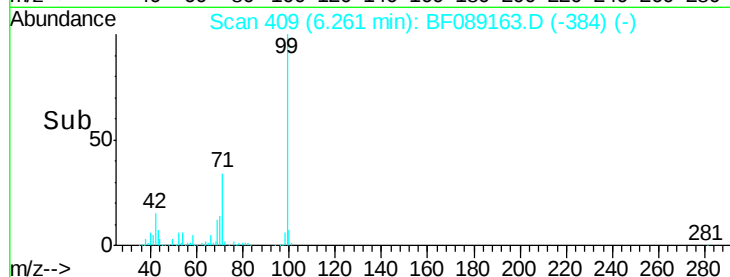
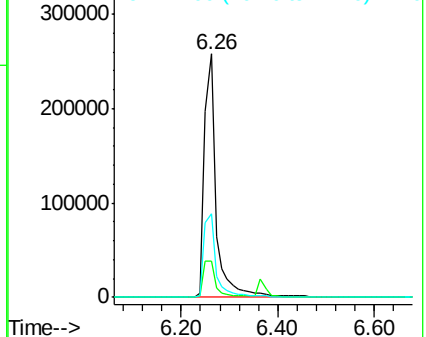
71 34.4 28.9 43.3



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: 11.26 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF089163.D

Acq: 21 Jul 2016 6:48

Tgt Ion: 70 Resp: 33411

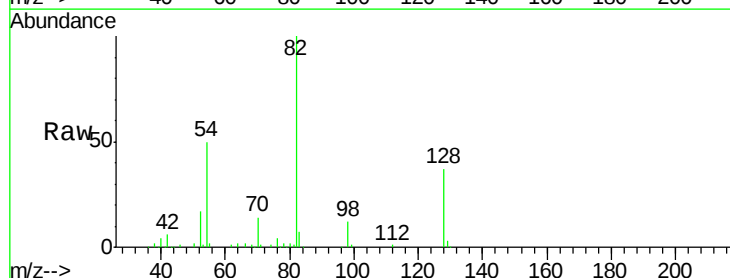
Ion Ratio Lower Upper

70 100

42 45.6 39.2 58.8

101 0.0 8.5 12.7#

130 1.7 18.4 27.6#

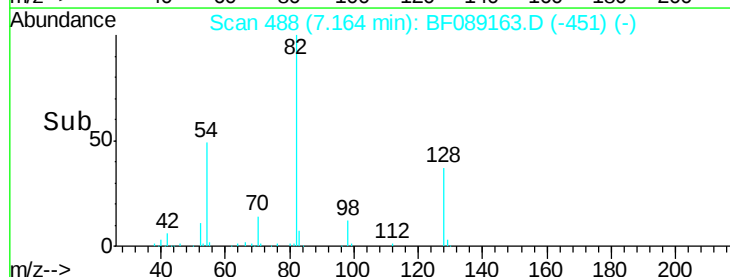
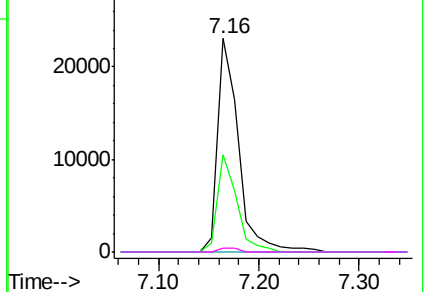


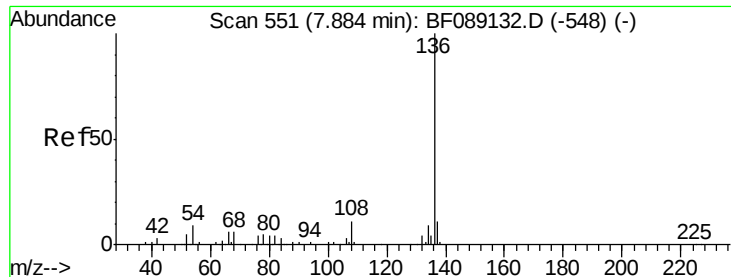
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF089163.D

Acq: 21 Jul 2016 6:48

Instrument :

BNA_F

ClientSampleId :

TILCON-MH-3-4-STONE-002

Tgt Ion:136 Resp: 234471

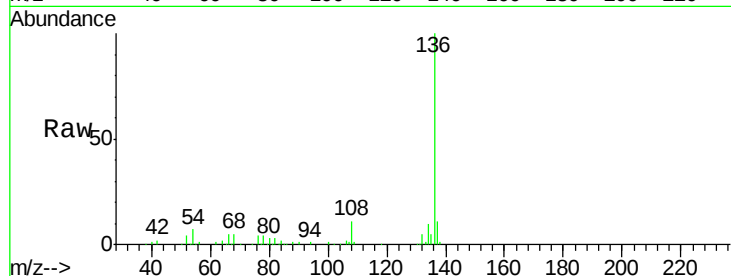
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.5 7.0 10.4#

68 5.0 5.0 7.6

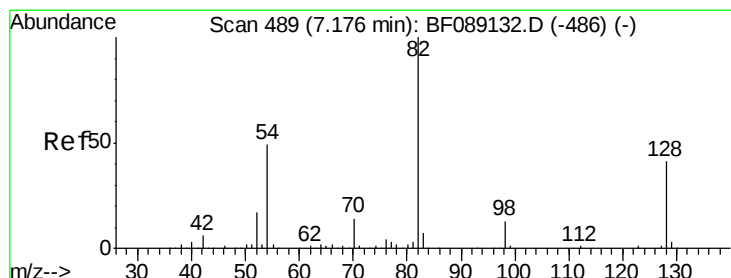
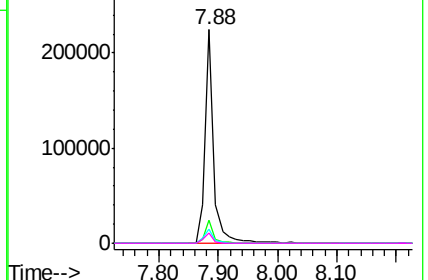
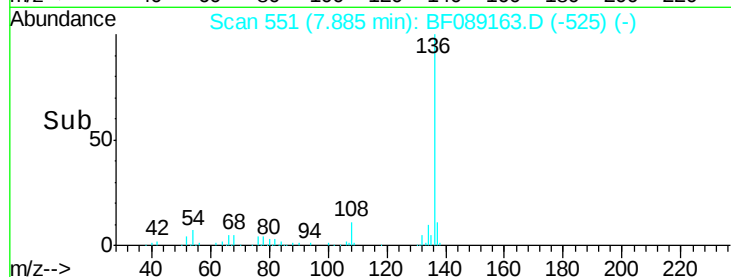


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.05 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF089163.D

Acq: 21 Jul 2016 6:48

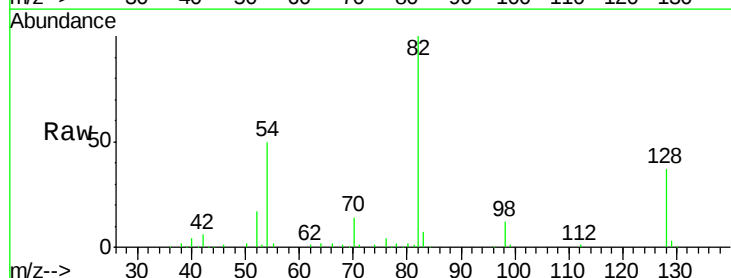
Tgt Ion: 82 Resp: 256155

Ion Ratio Lower Upper

82 100

128 37.1 33.0 49.6

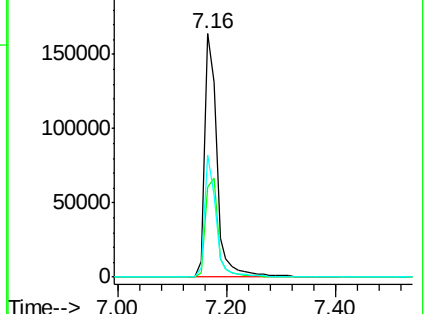
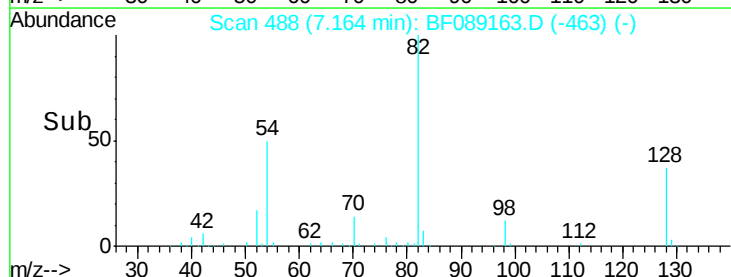
54 50.0 39.0 58.4

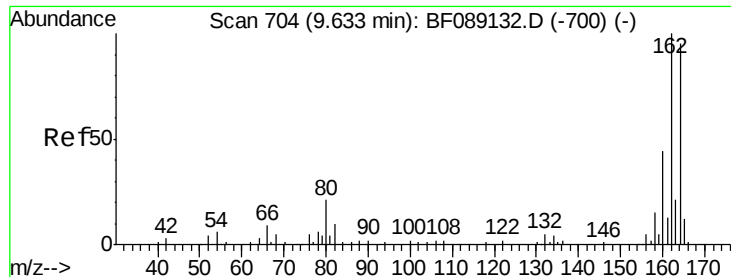


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

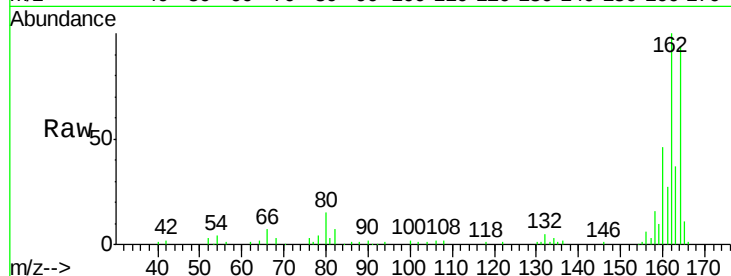




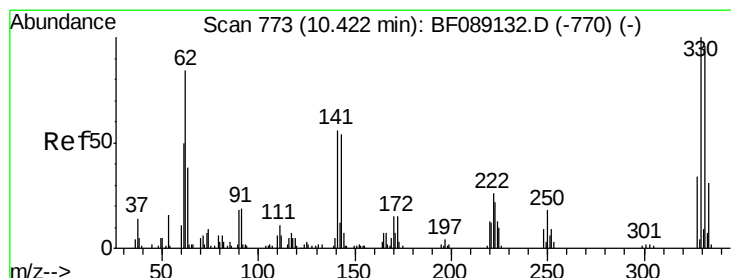
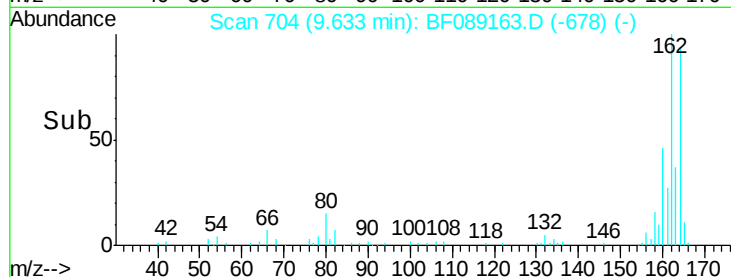
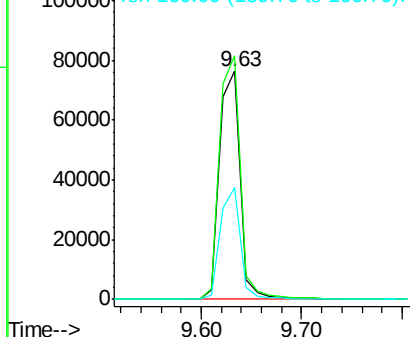
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. 0.00 min
Lab File: BF089163.D
Acq: 21 Jul 2016 6:48

Instrument :
BNA_F
ClientSampleId :
TILCON-MH-3-4-STONE-002

Tgt Ion:164 Resp: 109318
Ion Ratio Lower Upper
164 100
162 106.9 84.1 126.1
160 49.2 37.1 55.7

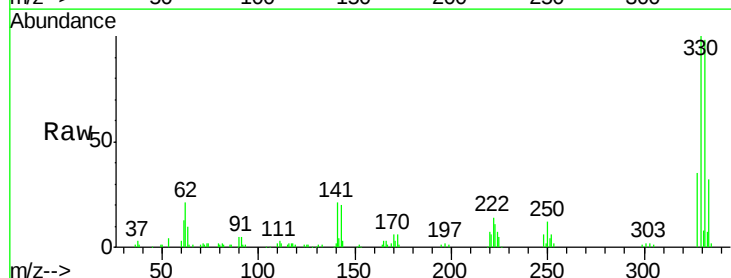


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

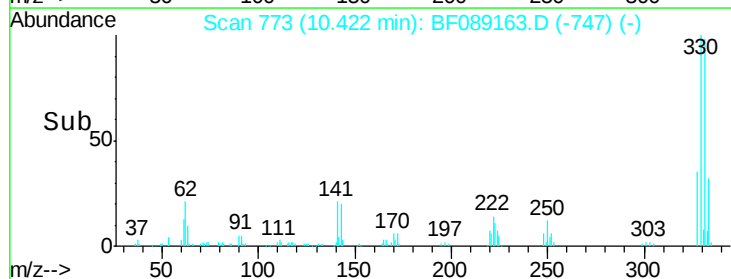
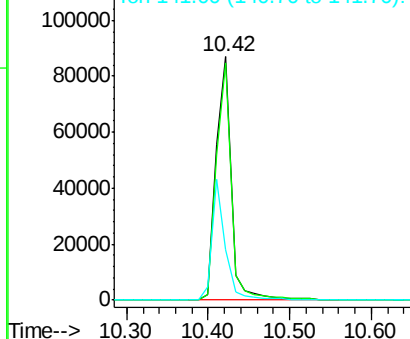


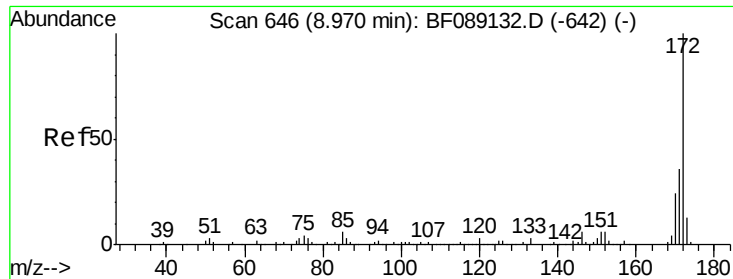
#41
2,4,6-Tribromophenol
Concen: 114.21 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF089163.D
Acq: 21 Jul 2016 6:48

Tgt Ion:330 Resp: 112412
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 44.6 42.2 63.2



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

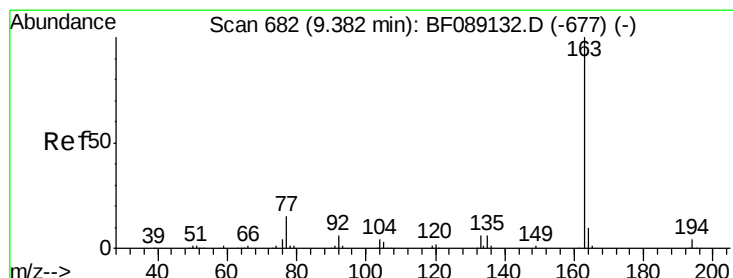
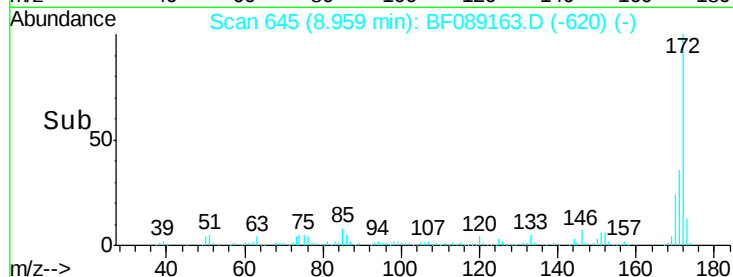
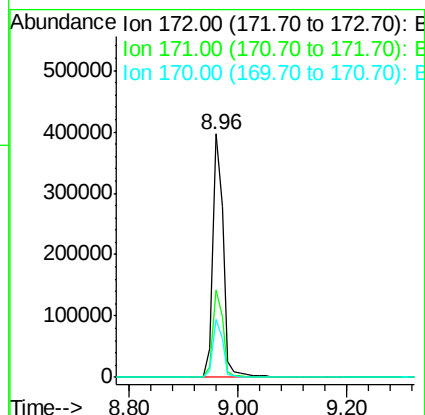
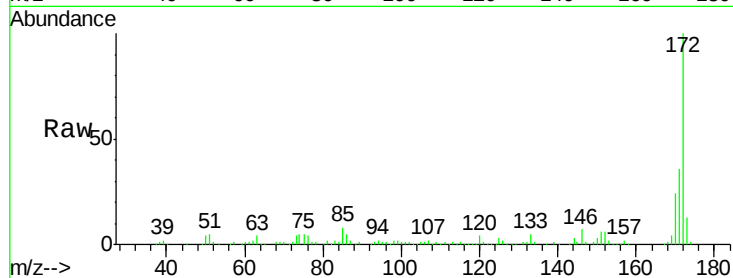




#44
 2-Fluorobiphenyl
 Concen: 67.48 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

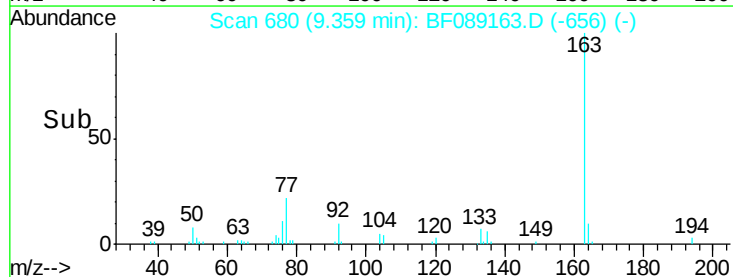
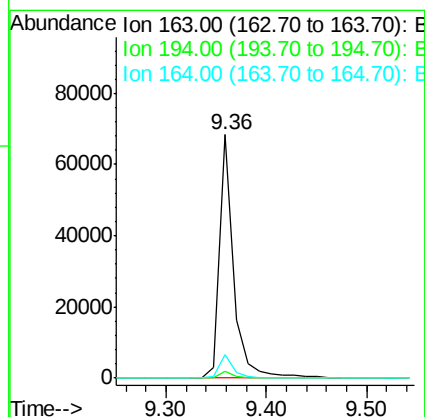
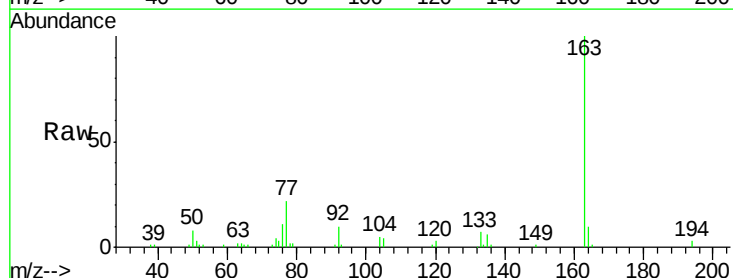
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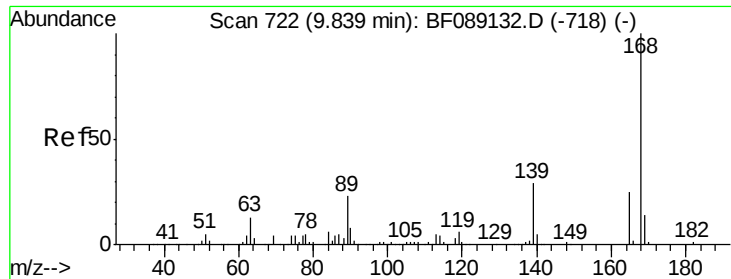
Tgt Ion:172 Resp: 535395
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 23.8 19.1 28.7



#49
 Dimethylphthalate
 Concen: 7.94 ng
 RT: 9.36 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

Tgt Ion:163 Resp: 66576
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.9 4.3
 164 9.7 7.6 11.4

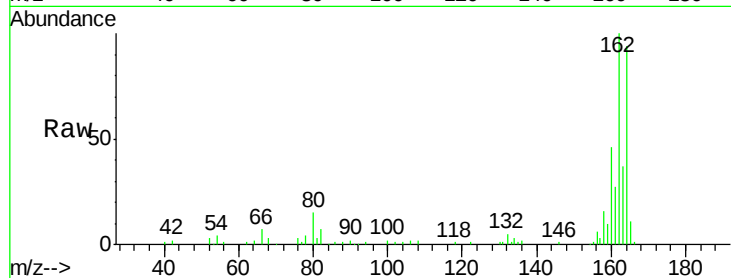




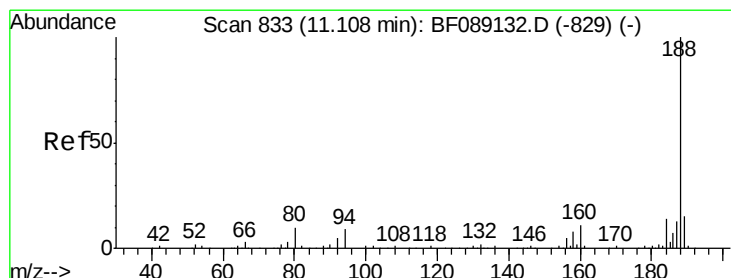
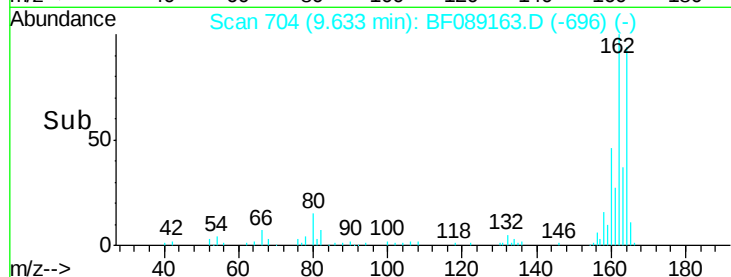
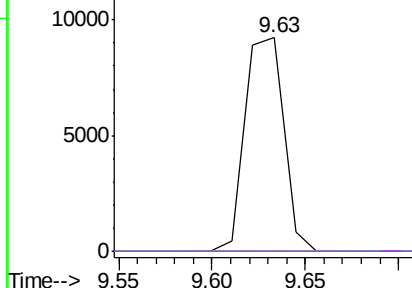
#56
 2,4-Dinitrotoluene
 Concen: 5.46 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.21 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

Instrument :
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 ClientSampleId :
 TILCON-MH-3-4-STONE-002

Tgt Ion:165 Resp: 13312
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.2#
 89 0.0 74.3 111.5#
 182 0.0 2.0 3.0#

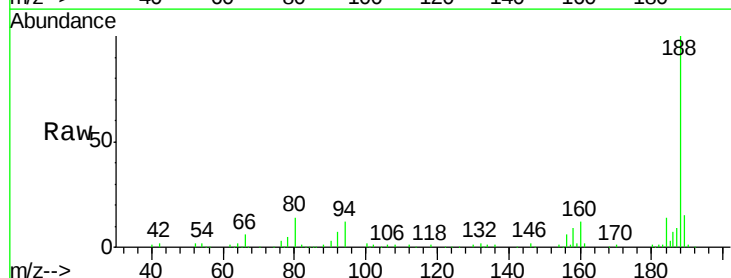


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

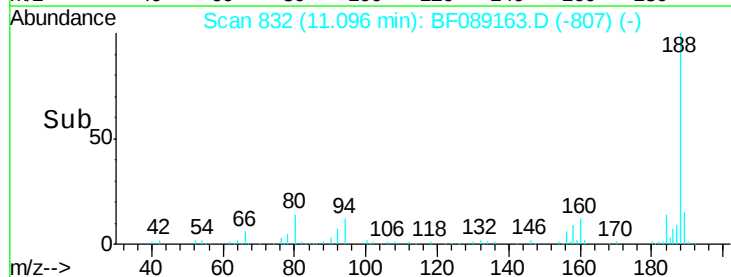
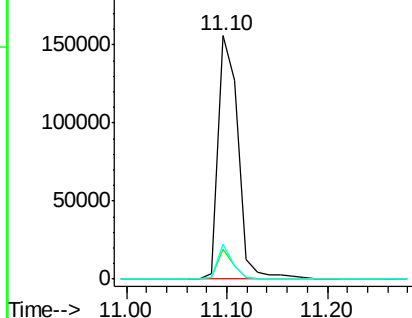


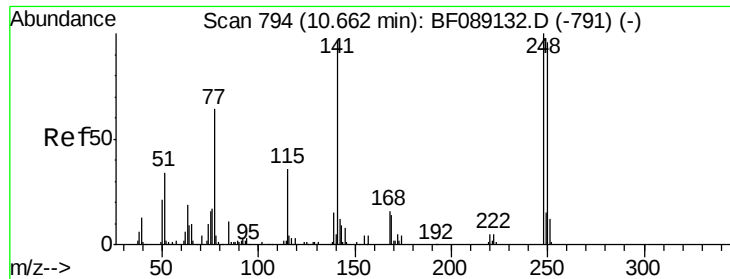
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

Tgt Ion:188 Resp: 214304
 Ion Ratio Lower Upper
 188 100
 94 12.3 7.0 10.4#
 80 14.4 7.7 11.5#



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

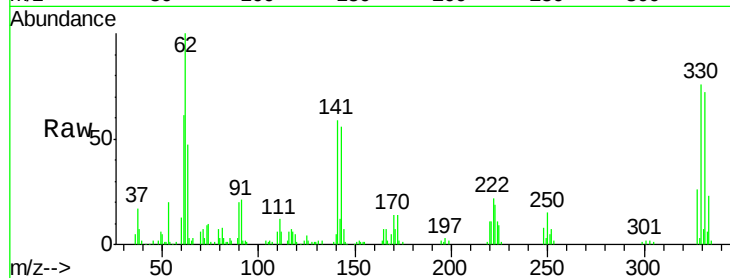




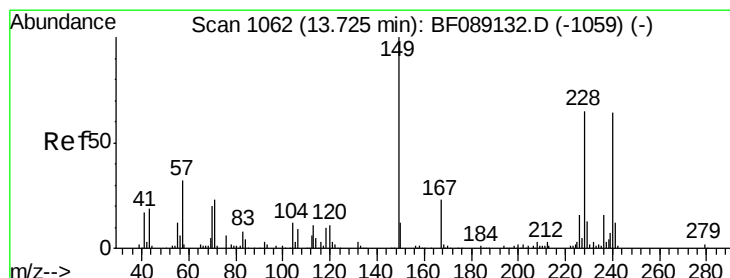
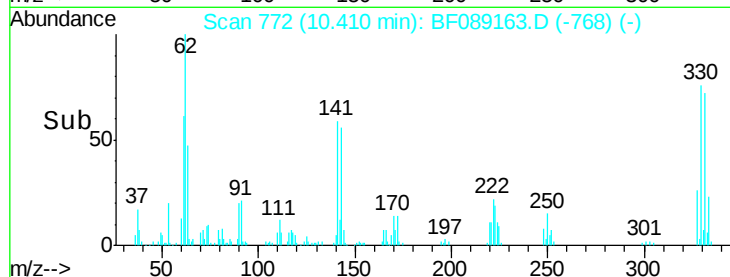
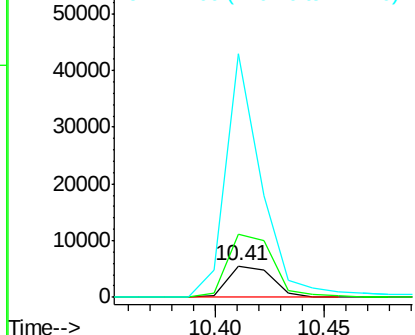
#66
 4-Bromophenyl-phenylether
 Concen: 3.68 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.25 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-3-4-STONE-002

Tgt Ion:248 Resp: 7808
 Ion Ratio Lower Upper
 248 100
 250 202.3 76.9 115.3#
 141 773.3 77.4 116.2#

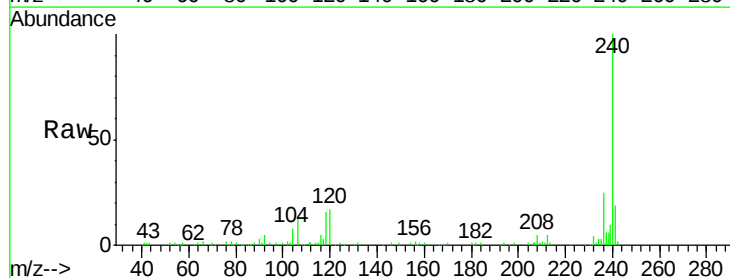


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

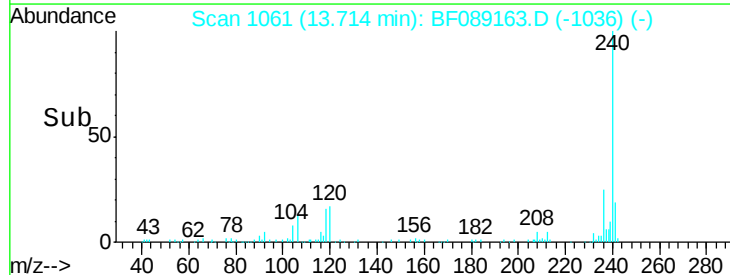
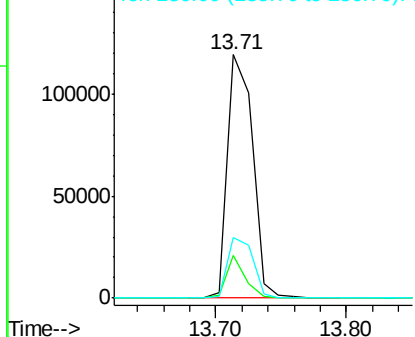


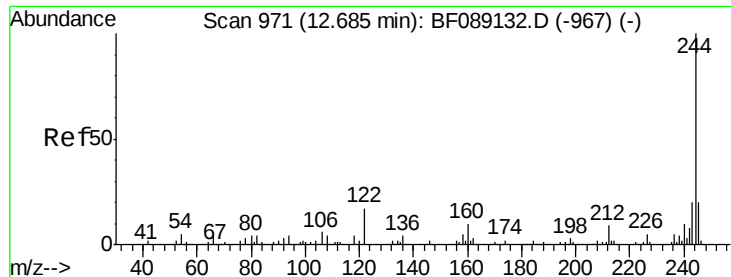
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

Tgt Ion:240 Resp: 159352
 Ion Ratio Lower Upper
 240 100
 120 17.3 13.6 20.4
 236 25.0 20.5 30.7



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

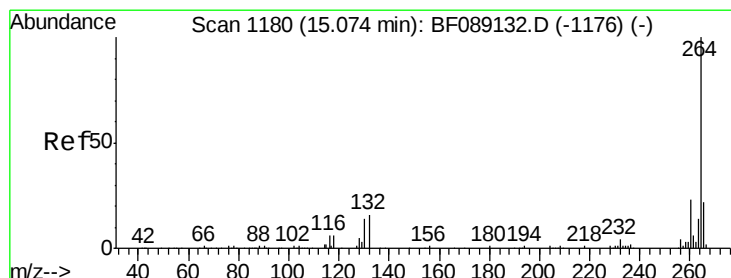
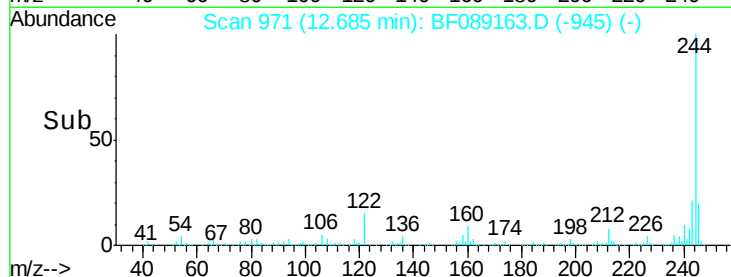
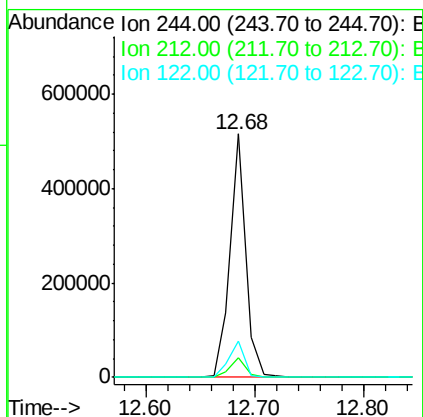
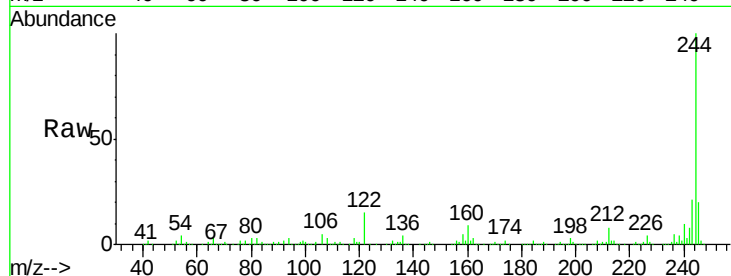




#78
 Terphenyl-d14
 Concen: 70.01 ng
 RT: 12.68 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-MH-3-4-STONE-002

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.0	10.4
122	14.9	13.8	20.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF089163.D
 Acq: 21 Jul 2016 6:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	21.8	17.3	25.9

