

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
 Data File : BF092462.D
 Acq On : 25 Jan 2017 6:31
 Operator : UM/SJ
 Sample : I1408-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-STONEDUST-SE

Quant Time: Jan 25 06:57:24 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

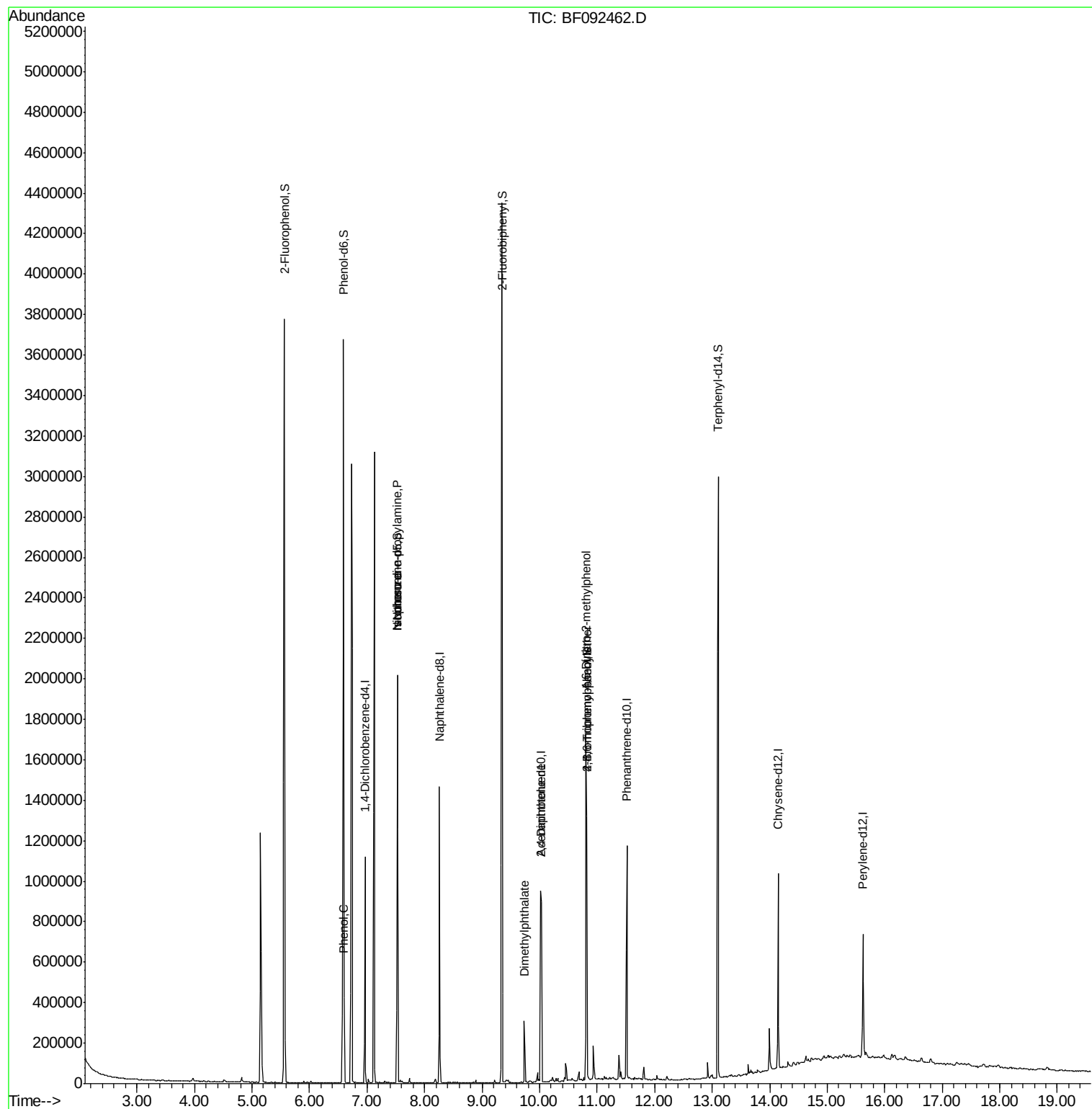
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	149734	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	600879	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	305718	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	501088	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	320210	20.00	ng	-0.02
86) Perylene-d12	15.62	264	293848	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1022575	106.25	ng	0.01
7) Phenol-d6	6.59	99	1436050	117.14	ng	0.00
23) Nitrobenzene-d5	7.53	82	834671	75.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	269899	129.55	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1354572	81.93	ng	-0.01
78) Terphenyl-d14	13.11	244	1185445	98.58	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	110721	7.48	ng	# 65
19) n-Nitroso-di-n-propylamine	7.53	70	109900	13.16	ng	# 87
25) Isophorone	7.53	82	755418	34.85	ng	# 65
49) Dimethylphthalate	9.73	163	148501	7.64	ng	# 98
56) 2,4-Dinitrotoluene	10.03	165	39421	7.47	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	394	5.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	19992	3.95	ng	# 1

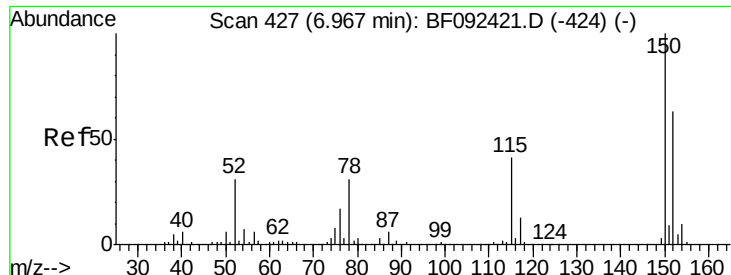
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-SE

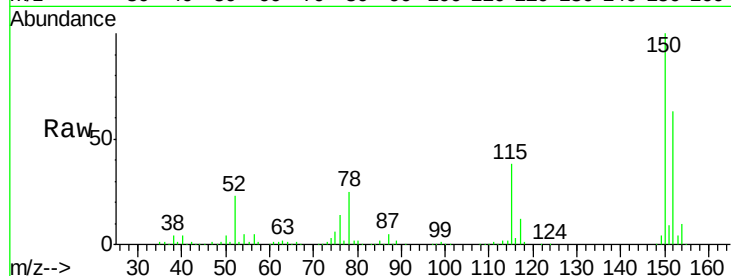
Tgt Ion:152 Resp: 149734

Ion Ratio Lower Upper

152 100

150 158.1 124.9 187.3

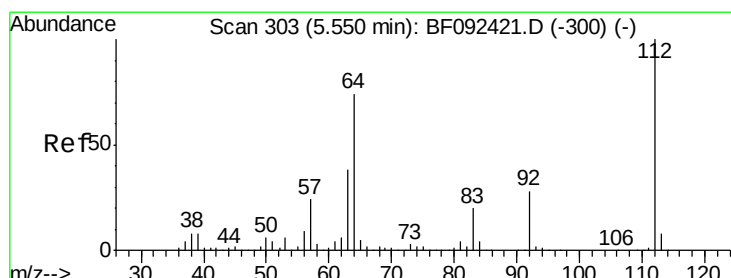
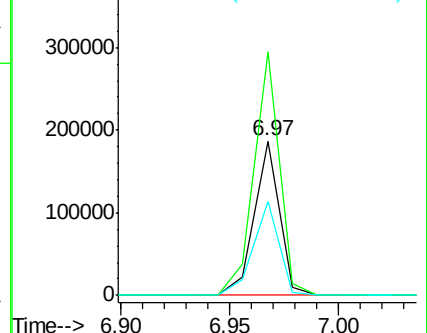
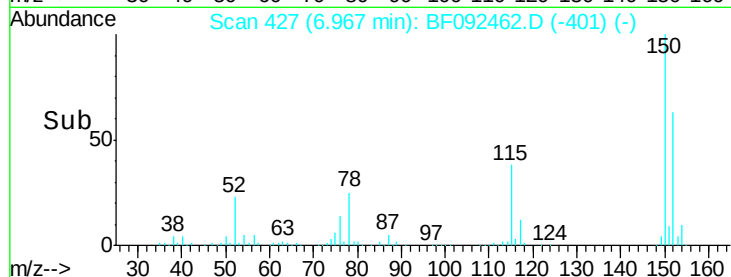
115 60.7 46.0 69.0



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: 106.25 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

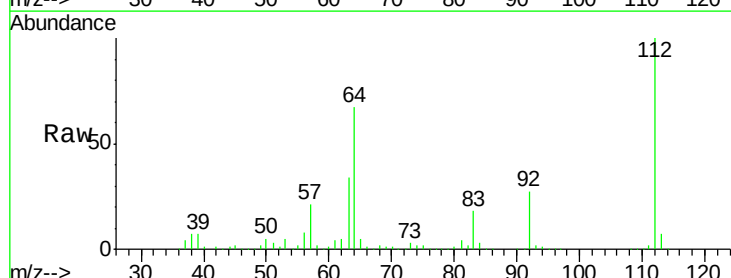
Tgt Ion:112 Resp: 1022575

Ion Ratio Lower Upper

112 100

64 66.8 46.1 69.1

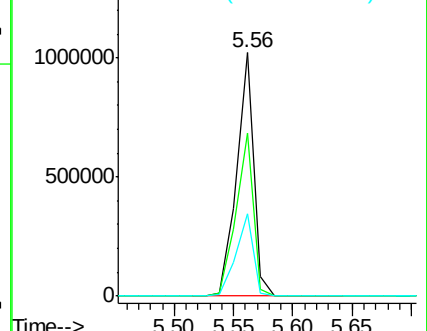
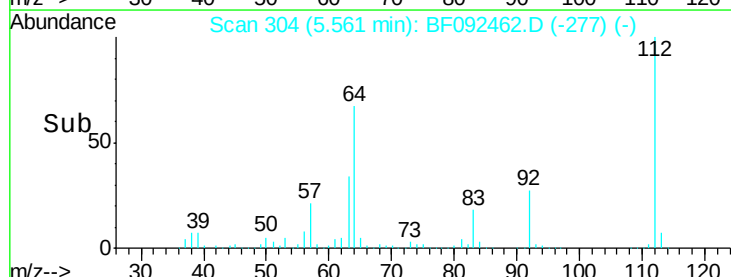
63 33.9 23.8 35.6

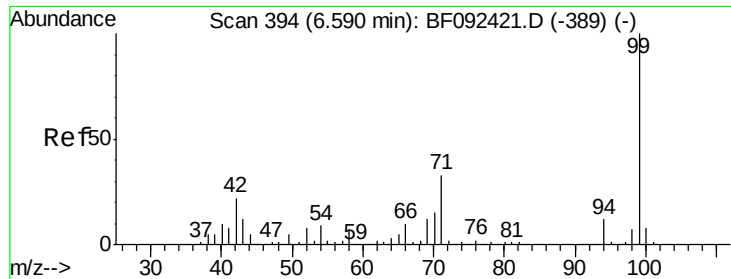


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.14 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-SE

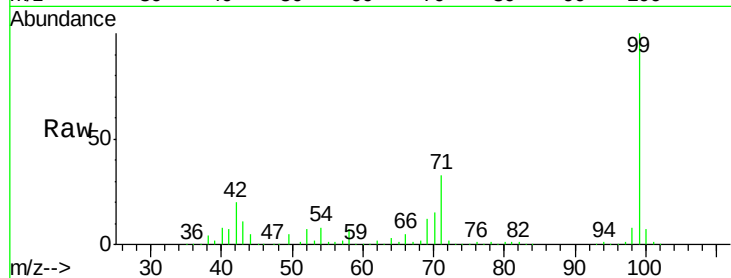
Tgt Ion: 99 Resp: 1436050

Ion Ratio Lower Upper

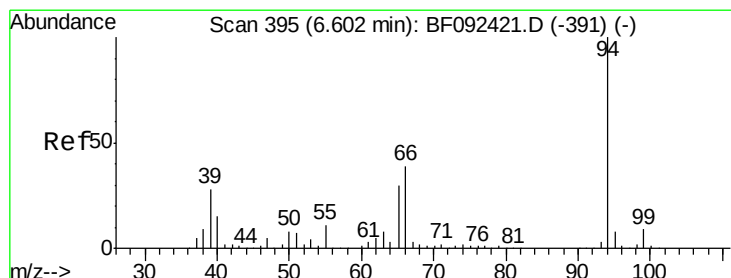
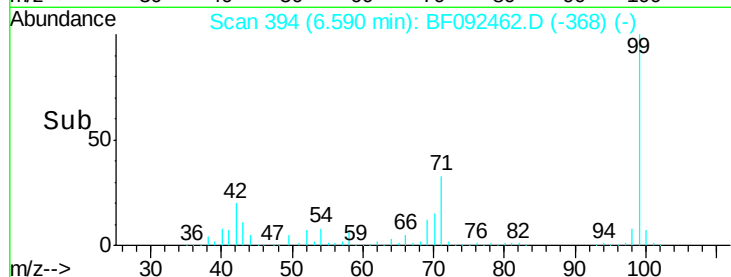
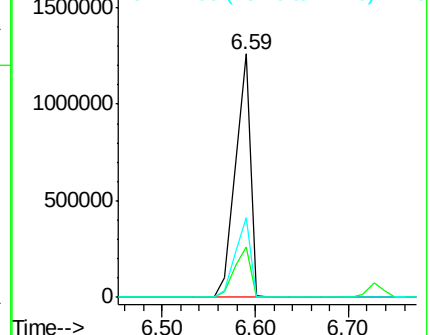
99 100

42 20.5 15.6 23.4

71 32.9 27.5 41.3



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



#10

Phenol

Concen: 7.48 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

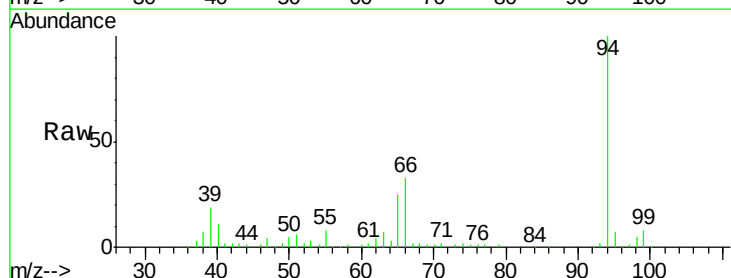
Tgt Ion: 94 Resp: 110721

Ion Ratio Lower Upper

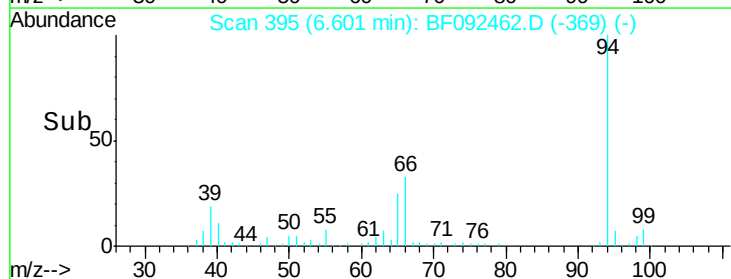
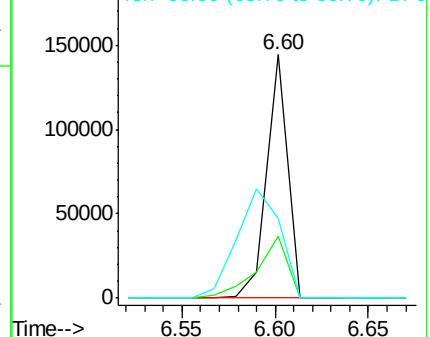
94 100

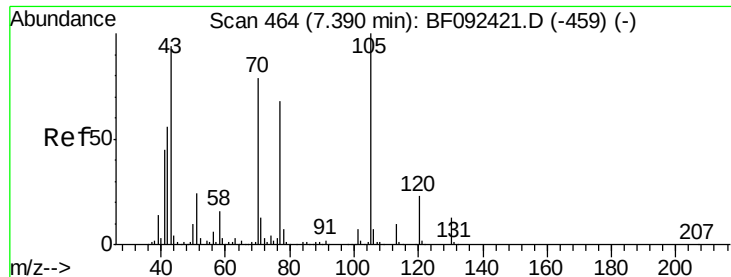
65 25.2 21.4 61.4

66 32.5 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

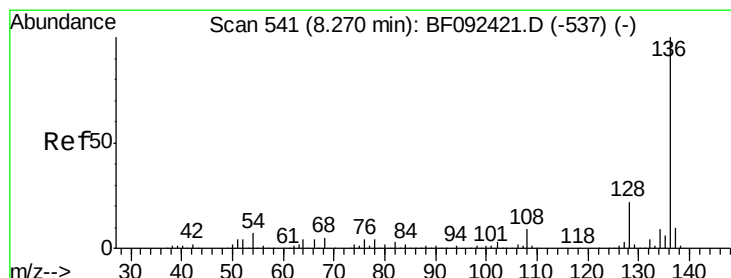
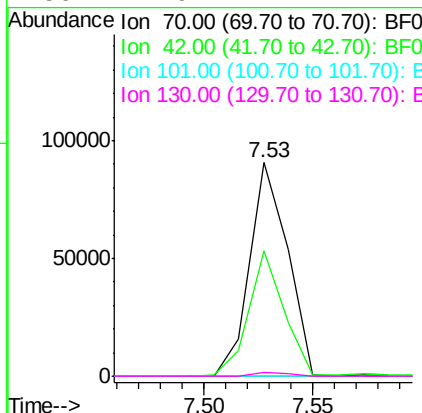
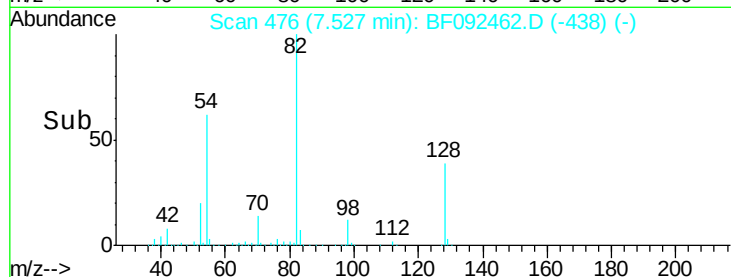
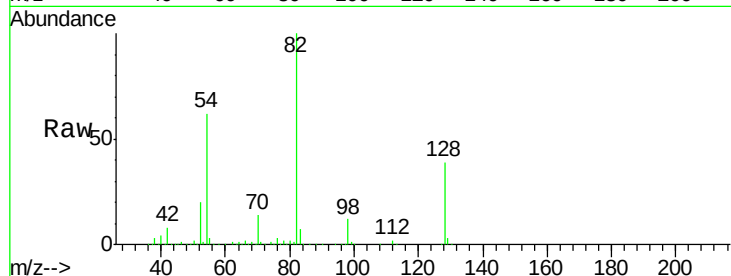




#19
n-Nitroso-di-n-propylamine
Concen: 13.16 ng
RT: 7.53 min Scan# 476
Delta R.T. 0.14 min
Lab File: BF092462.D
Acq: 25 Jan 2017 6:31

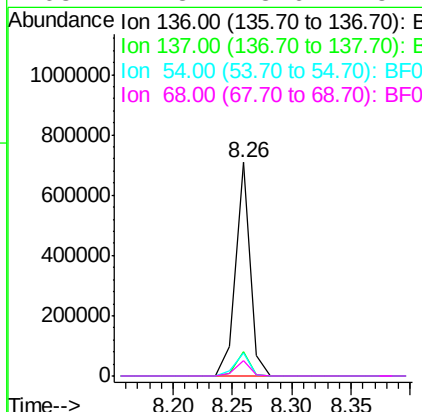
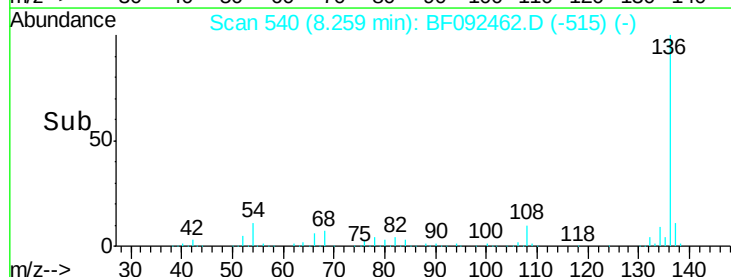
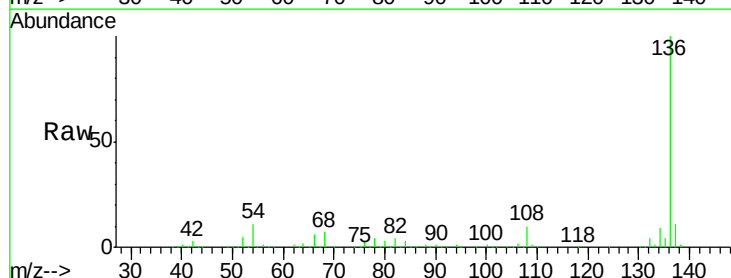
Instrument :
BNA_F
ClientSampleId :
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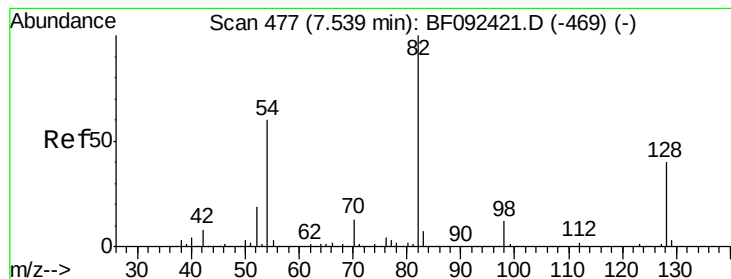
Tgt Ion: 70 Resp: 109900
Ion Ratio Lower Upper
70 100
42 58.6 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092462.D
Acq: 25 Jan 2017 6:31

Tgt Ion: 136 Resp: 600879
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 10.5 4.5 6.7#
68 7.3 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 75.88 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-SE

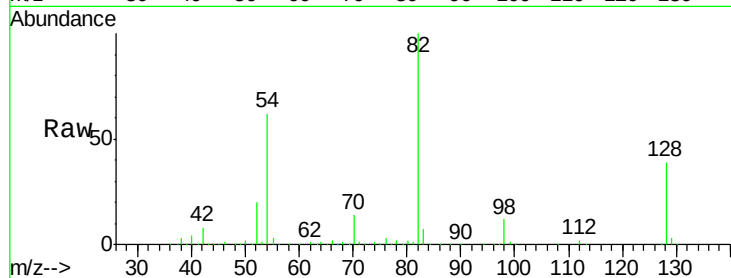
Tgt Ion: 82 Resp: 834671

Ion Ratio Lower Upper

82 100

128 39.3 34.6 52.0

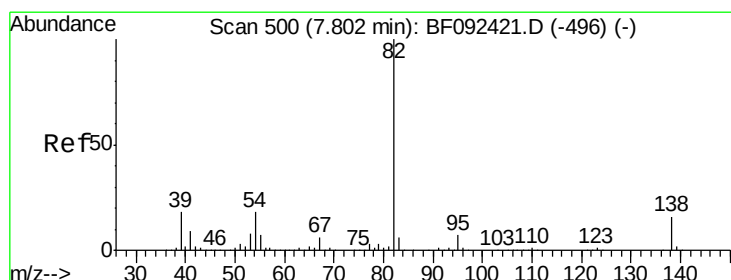
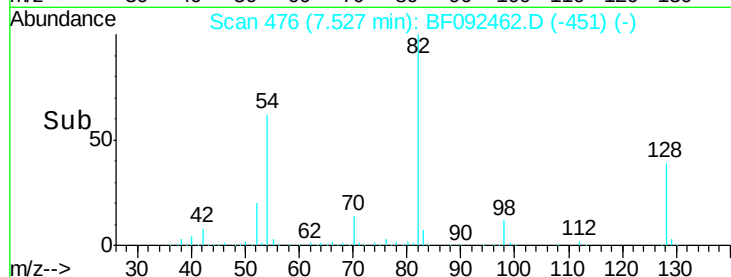
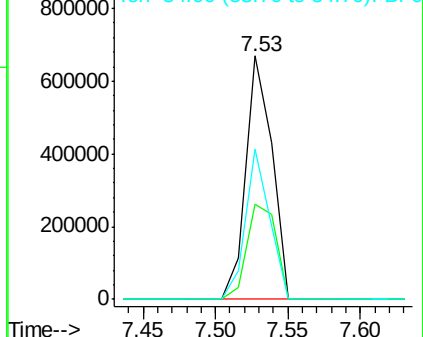
54 61.9 39.5 59.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 34.85 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

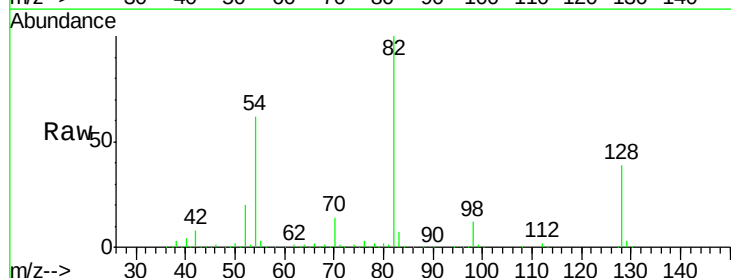
Tgt Ion: 82 Resp: 755418

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

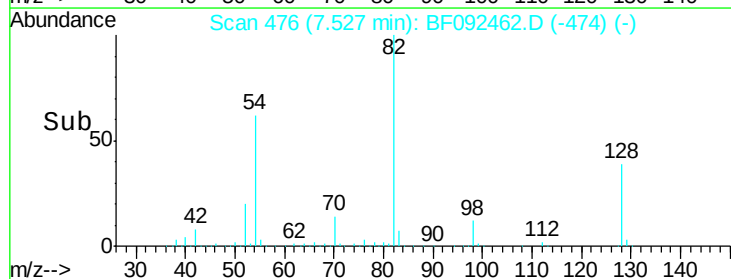
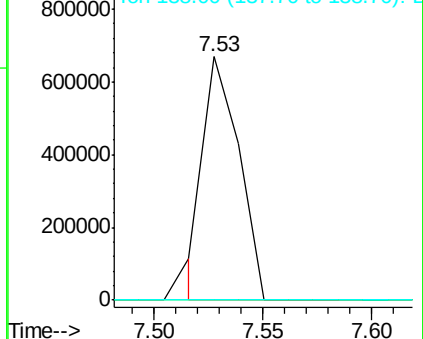
138 0.0 14.6 22.0#

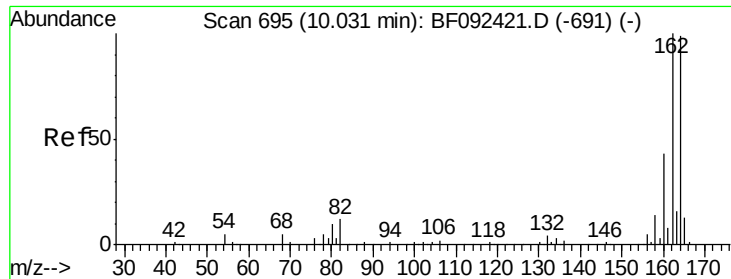


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

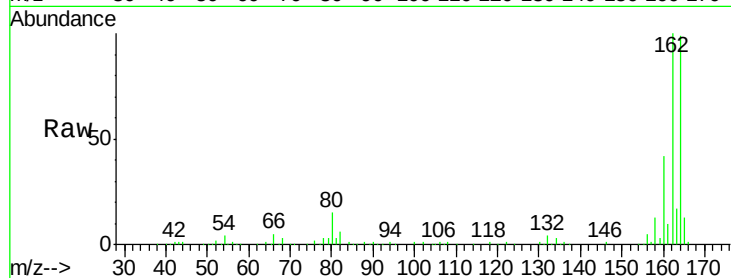




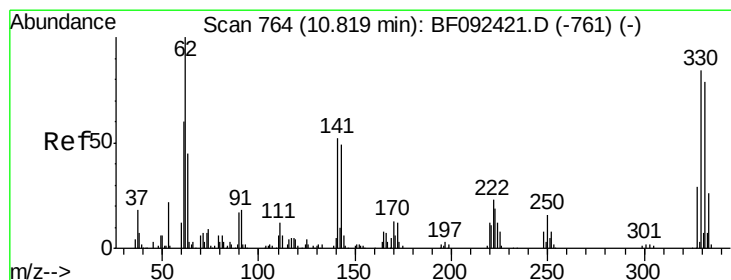
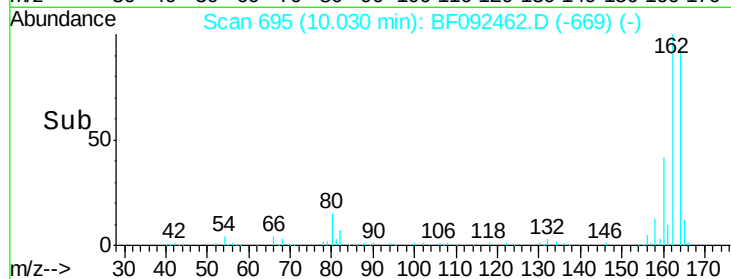
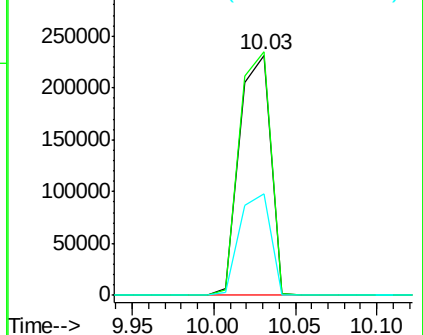
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF092462.D
 Acq: 25 Jan 2017 6:31

Instrument :
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 TILCON-STONEDUST-SE

Tgt Ion:164 Resp: 305718
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.2 120.2
 160 42.4 36.9 55.3

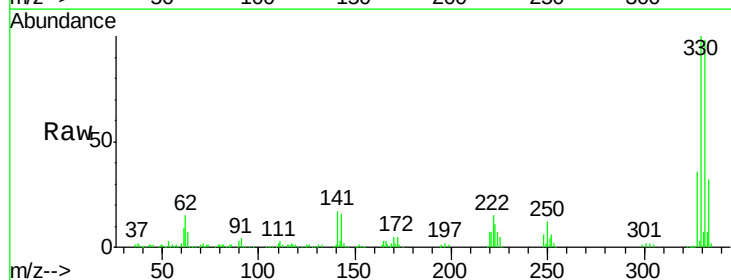


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

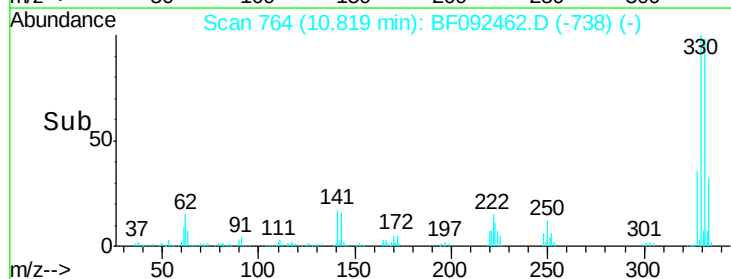
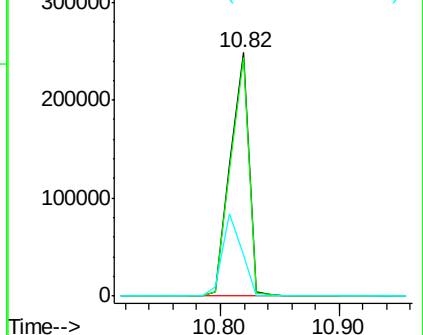


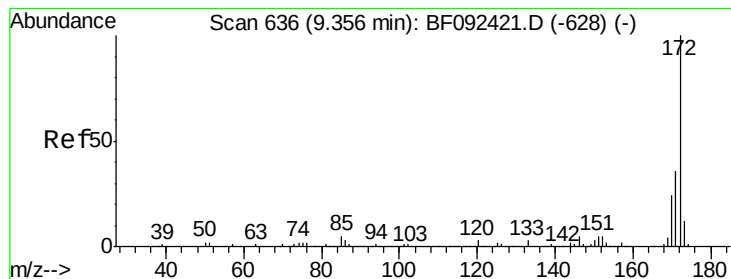
#41
 2,4,6-Tribromophenol
 Concen: 129.55 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092462.D
 Acq: 25 Jan 2017 6:31

Tgt Ion:330 Resp: 269899
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 34.6 34.1 51.1



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: 81.93 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-SE

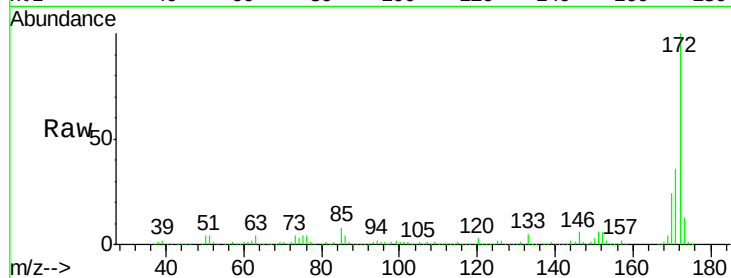
Tgt Ion:172 Resp: 1354572

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

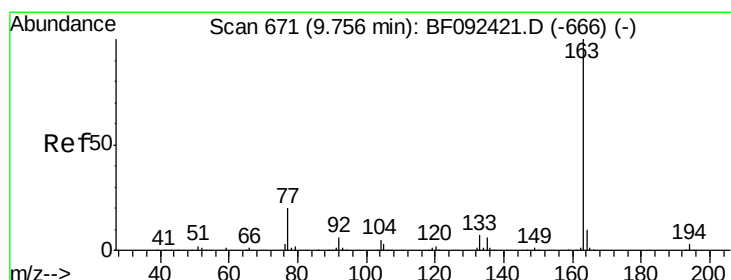
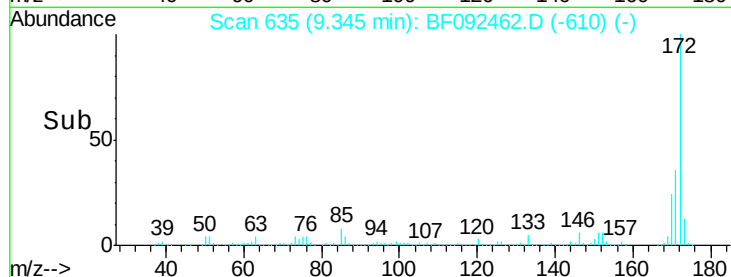
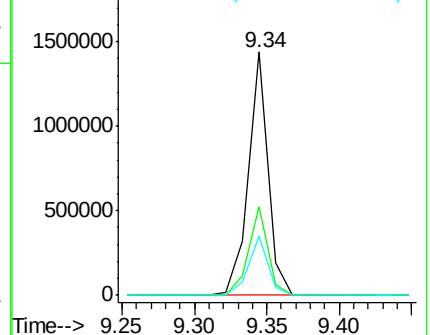
170 24.3 20.2 30.4



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: 7.64 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

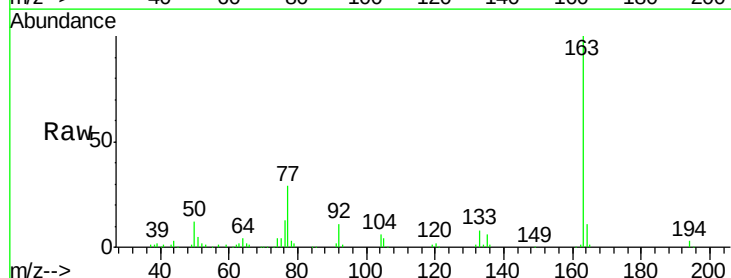
Tgt Ion:163 Resp: 148501

Ion Ratio Lower Upper

163 100

194 2.8 3.0 4.4#

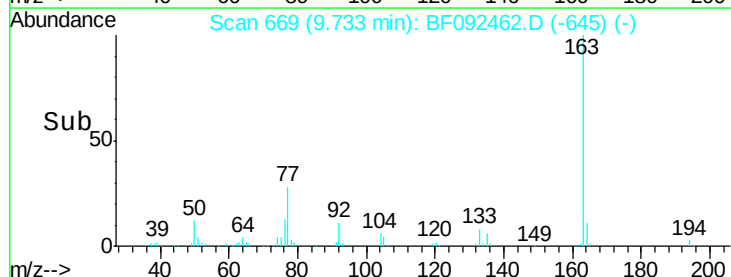
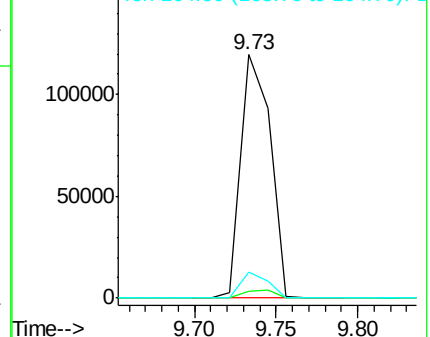
164 10.5 8.0 12.0

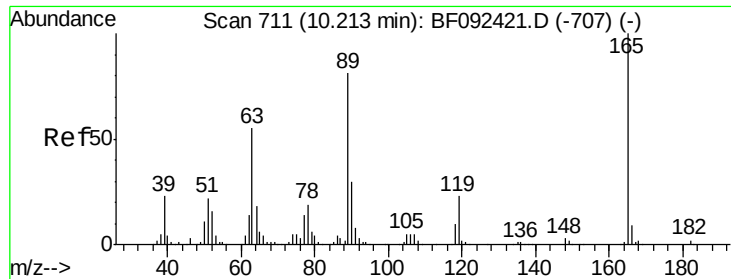


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

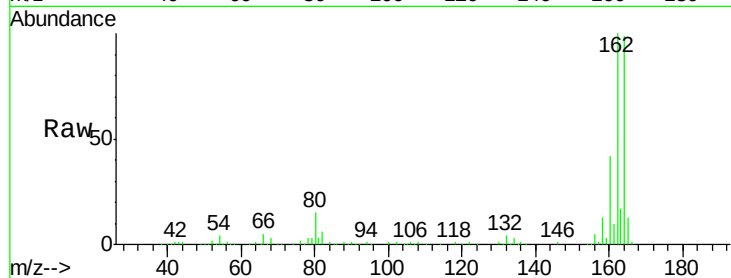




#56
 2,4-Dinitrotoluene
 Concen: 7.47 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.18 min
 Lab File: BF092462.D
 Acq: 25 Jan 2017 6:31

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-STONEDUST-SE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

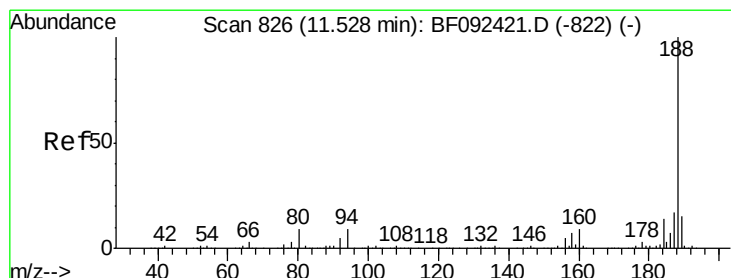
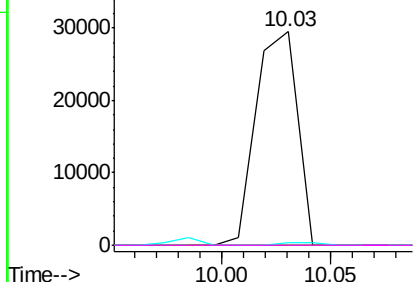
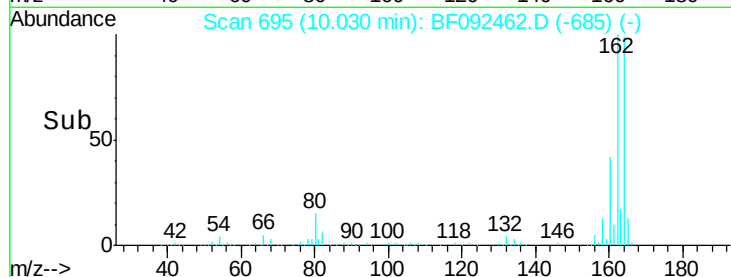


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

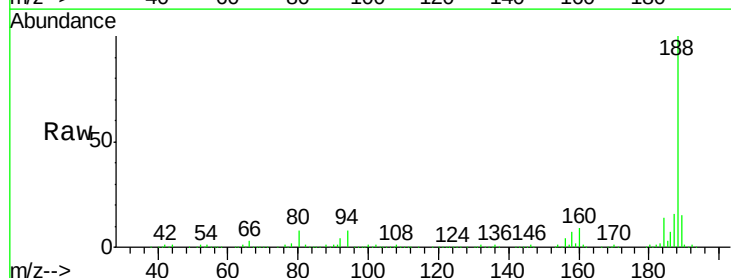
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092462.D
 Acq: 25 Jan 2017 6:31

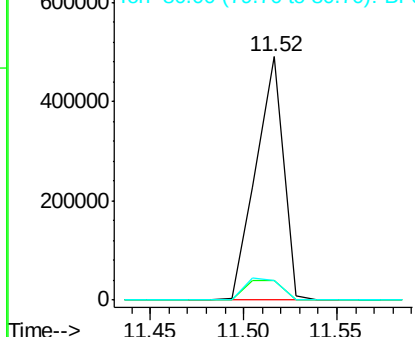
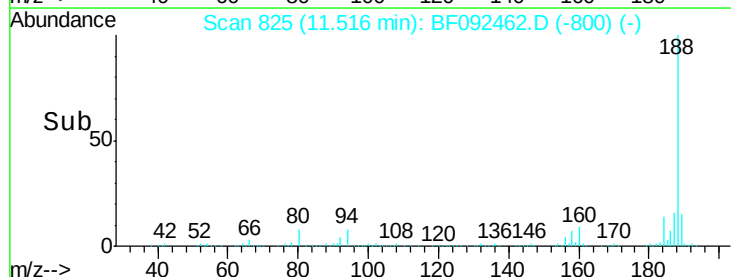
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	10.0	15.0#
80	8.3	11.2	16.8#

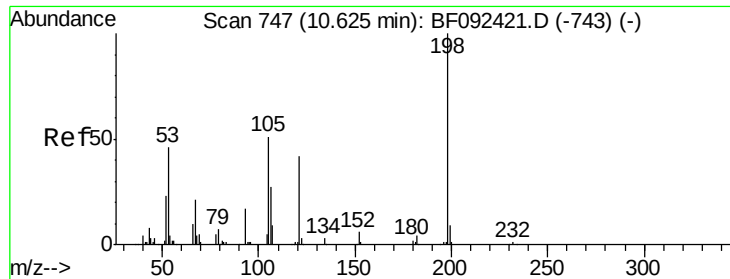


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

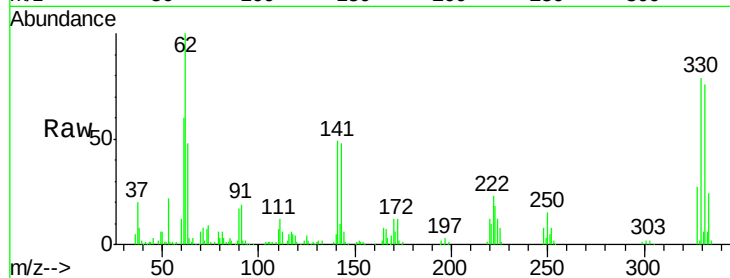




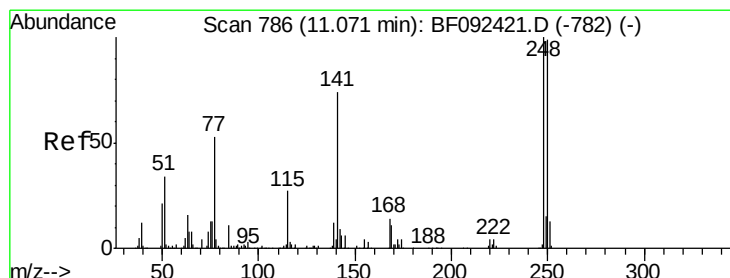
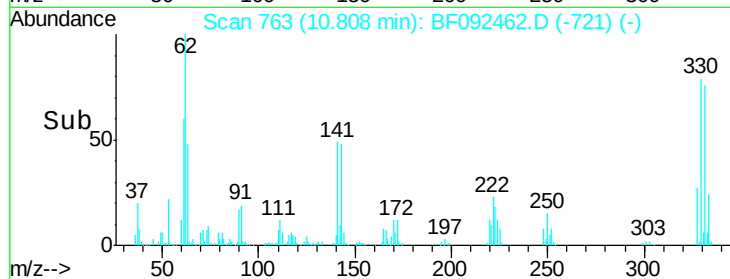
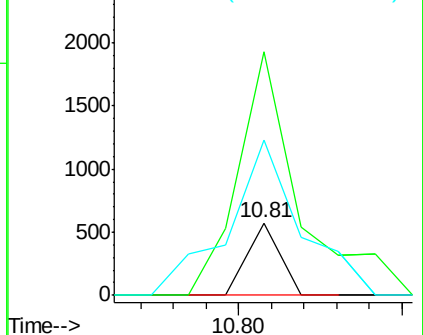
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.08 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.18 min
 Lab File: BF092462.D
 Acq: 25 Jan 2017 6:31

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-STONEDUST-SE

Tgt Ion:198 Resp: 394
 Ion Ratio Lower Upper
 198 100
 51 335.3 6.7 46.7#
 105 214.6 16.6 56.6#

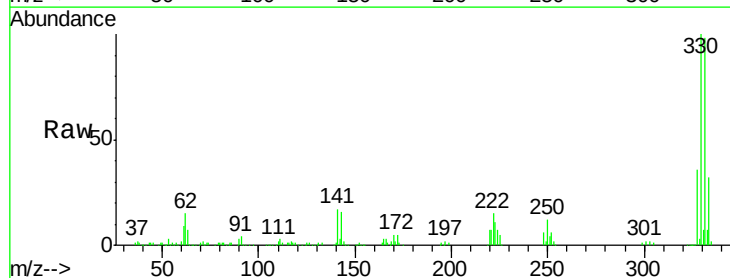


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

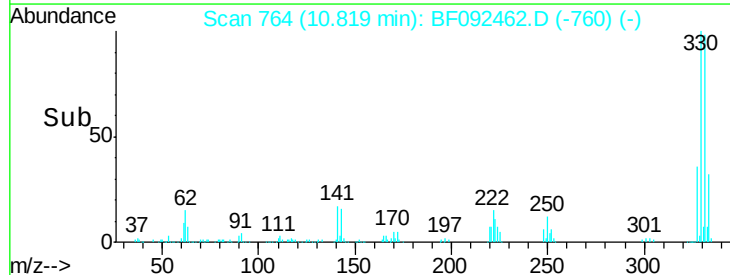
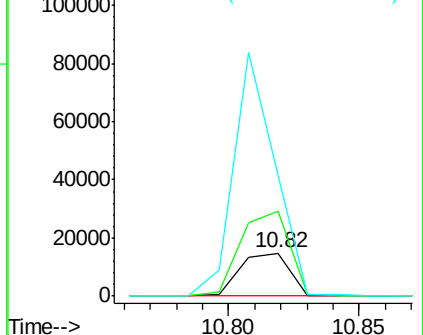


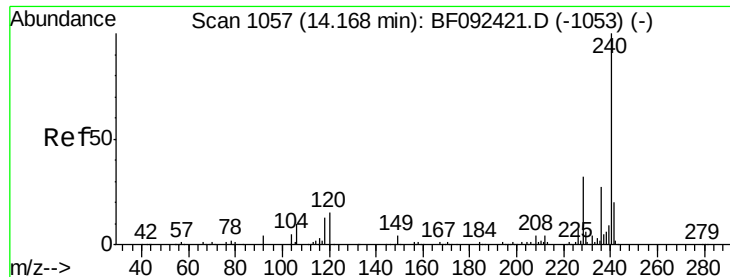
#66
 4-Bromophenyl-phenylether
 Concen: 3.95 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.25 min
 Lab File: BF092462.D
 Acq: 25 Jan 2017 6:31

Tgt Ion:248 Resp: 19992
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.9 115.3#
 141 281.6 68.2 102.4#



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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-SE

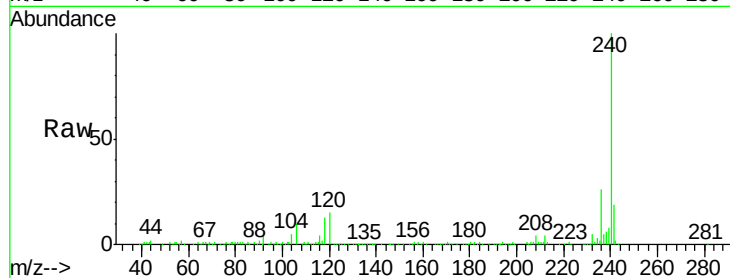
Tgt Ion:240 Resp: 320210

Ion Ratio Lower Upper

240 100

120 15.3 12.9 19.3

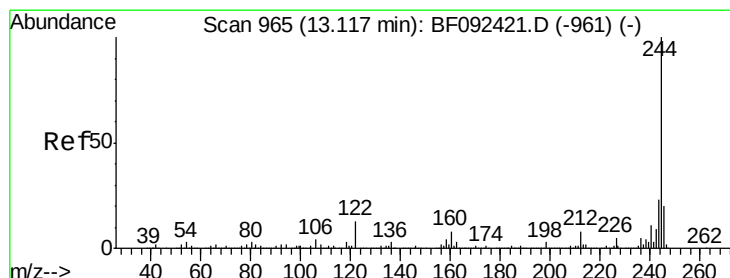
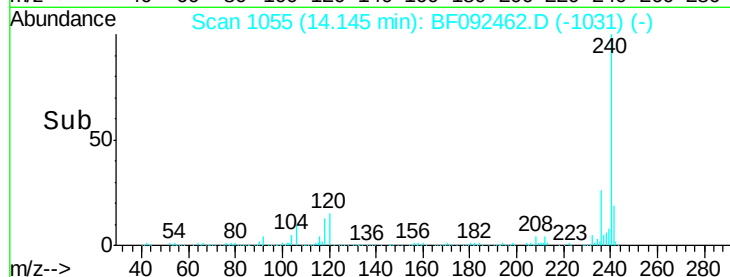
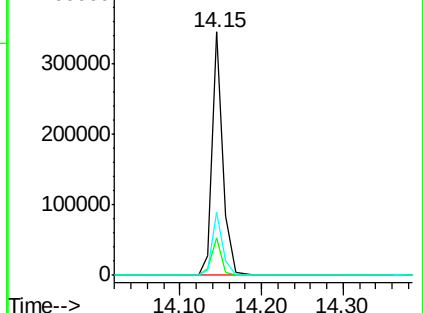
236 26.0 20.9 31.3



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: 98.58 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092462.D

Acq: 25 Jan 2017 6:31

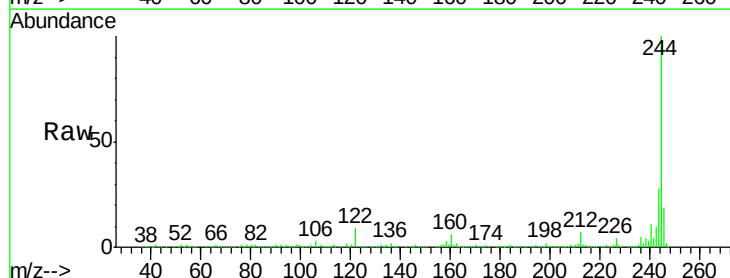
Tgt Ion:244 Resp: 1185445

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

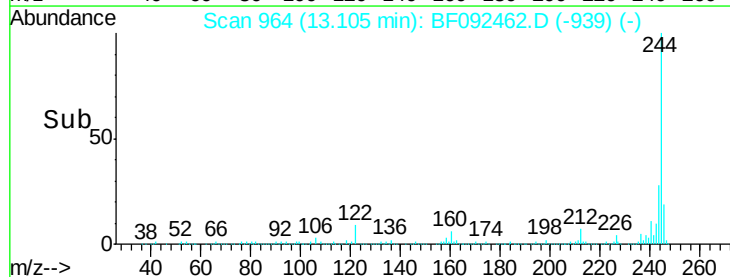
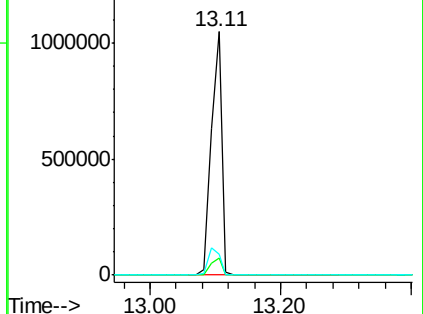
122 8.7 11.4 17.2#

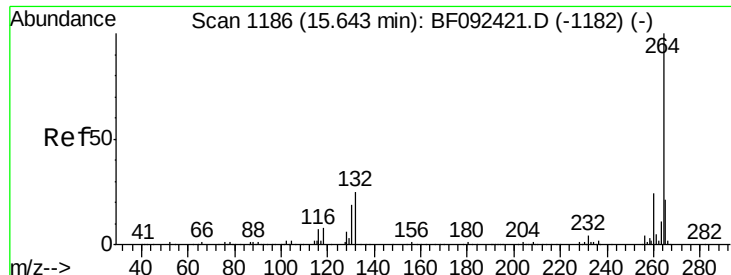


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.62 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF092462.D
Acq: 25 Jan 2017 6:31

Instrument :
BNA_F
ClientSampleId :
TILCON-STONEDUST-SE

Tgt Ion: 264 Resp: 293848
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 21.7 17.4 26.0

