

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
 Data File : BF092461.D
 Acq On : 25 Jan 2017 6:04
 Operator : UM/SJ
 Sample : I1413-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-STONEDUST-BF

Quant Time: Jan 25 06:35:00 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

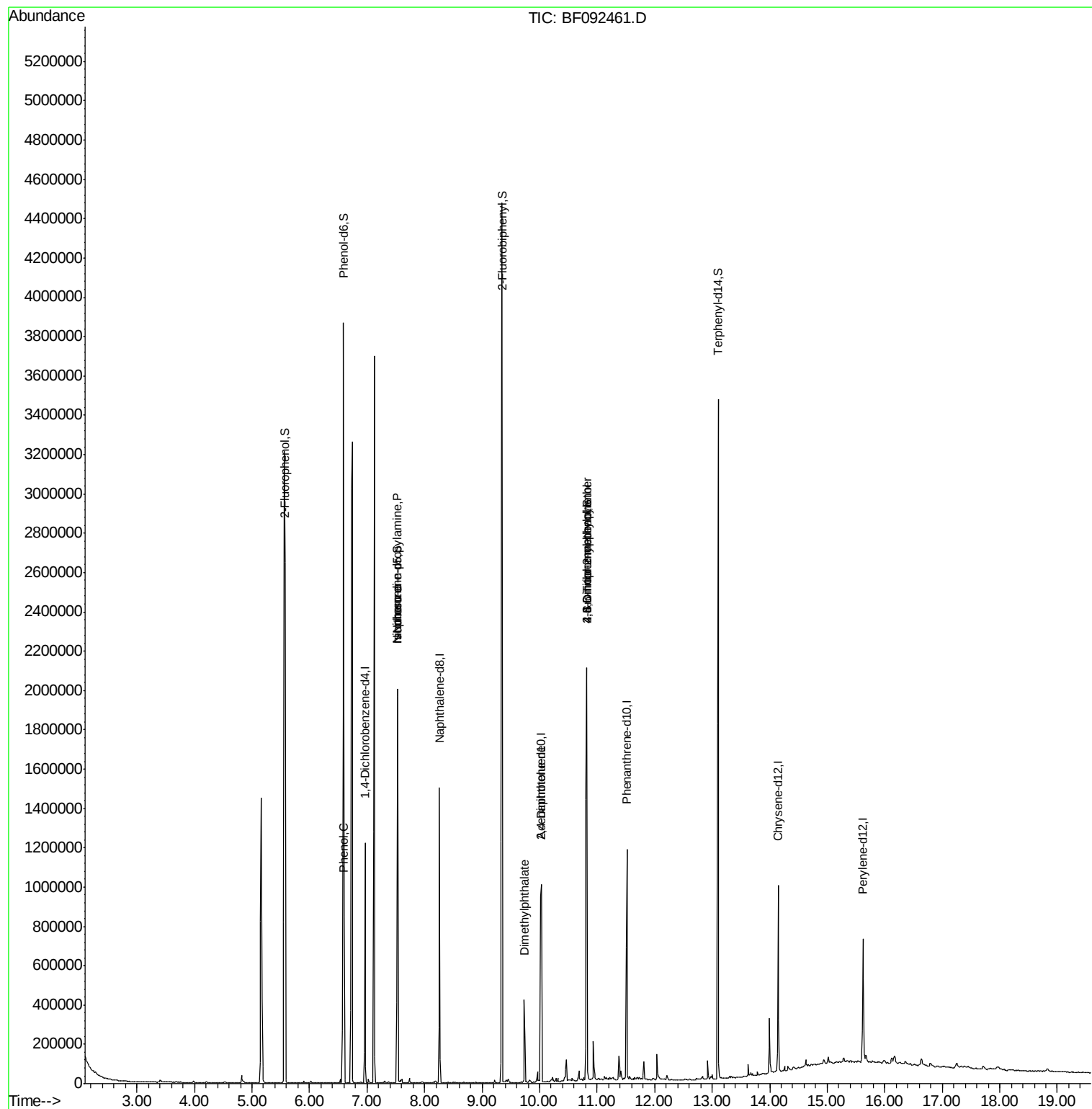
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161126	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	625172	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	327985	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	513657	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	321858	20.00	ng	-0.02
86) Perylene-d12	15.62	264	312221	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1300857	125.61	ng	0.02
7) Phenol-d6	6.59	99	1455104	110.31	ng	0.00
23) Nitrobenzene-d5	7.53	82	1014596	88.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	291554	130.44	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1469838	82.87	ng	-0.01
78) Terphenyl-d14	13.11	244	1200892	99.35	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	159356	10.01	ng	# 70
19) n-Nitroso-di-n-propylamine	7.53	70	132864	14.79	ng	# 87
25) Isophorone	7.53	82	922819	40.92	ng	# 65
49) Dimethylphthalate	9.73	163	206366	9.89	ng	# 98
56) 2,4-Dinitrotoluene	10.03	165	40754	7.20	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.82	198	794	5.21	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	22977	4.43	ng	# 1

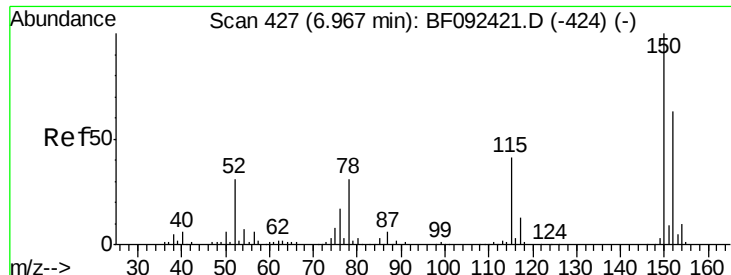
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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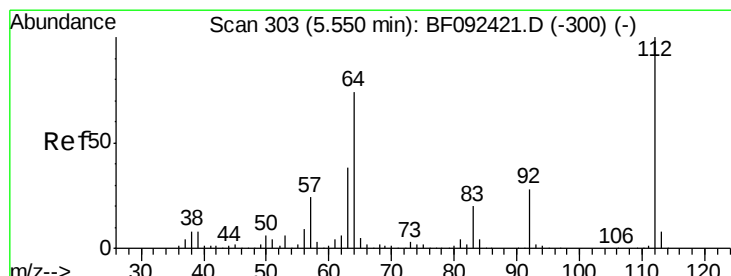
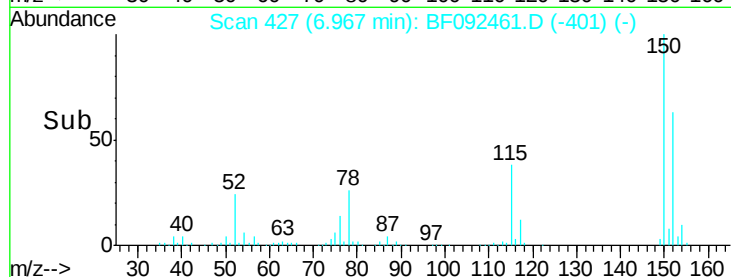
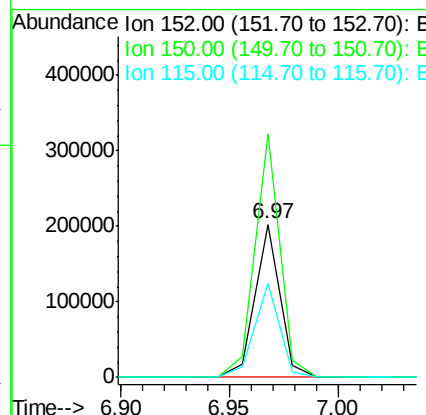
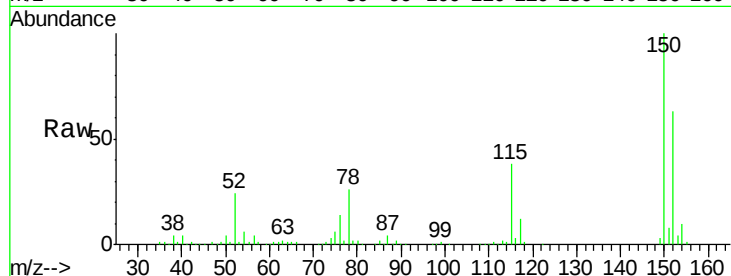




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF092461.D
 Acq: 25 Jan 2017 6:04

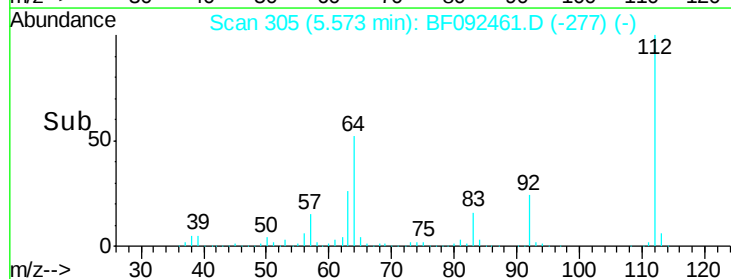
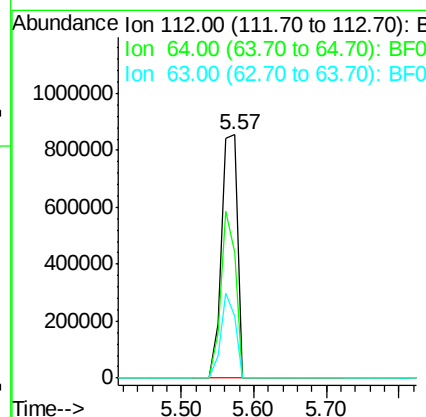
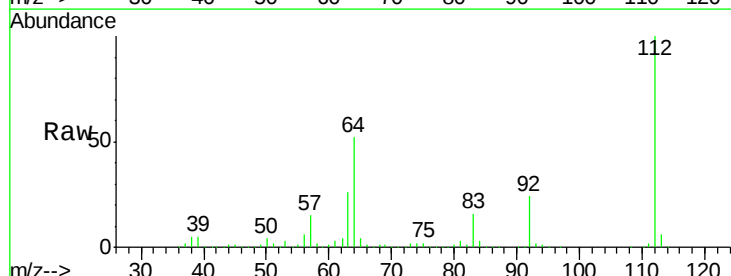
Instrument :
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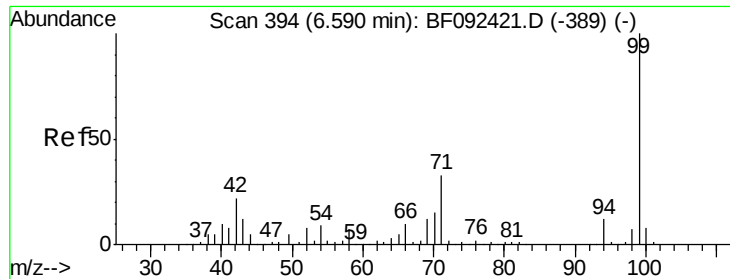
Tgt Ion:152 Resp: 161126
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.9 187.3
 115 61.1 46.0 69.0



#5
 2-Fluorophenol
 Concen: 125.61 ng
 RT: 5.57 min Scan# 305
 Delta R.T. 0.02 min
 Lab File: BF092461.D
 Acq: 25 Jan 2017 6:04

Tgt Ion:112 Resp: 1300857
 Ion Ratio Lower Upper
 112 100
 64 51.7 46.1 69.1
 63 25.6 23.8 35.6





#7

Phenol-d6

Concen: 110.31 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092461.D

Acq: 25 Jan 2017 6:04

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-BF

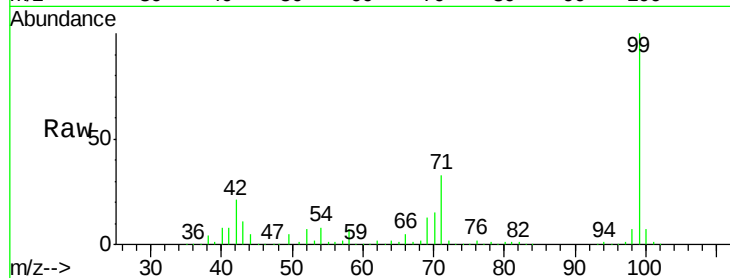
Tgt Ion: 99 Resp: 1455104

Ion Ratio Lower Upper

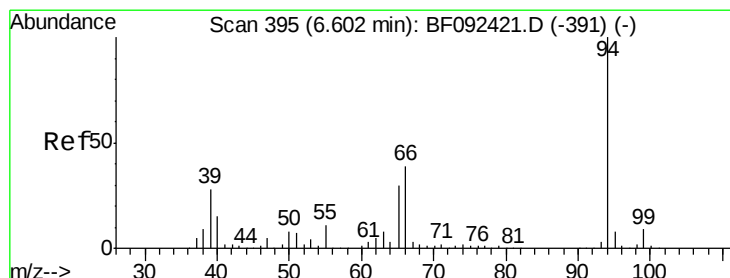
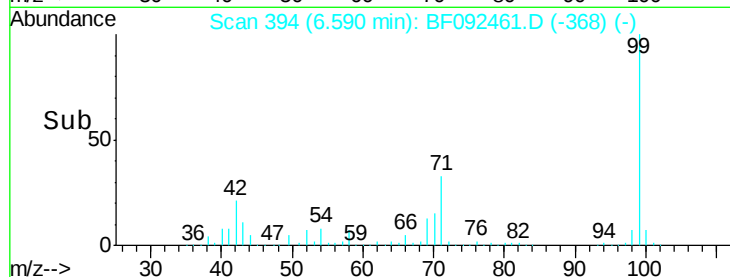
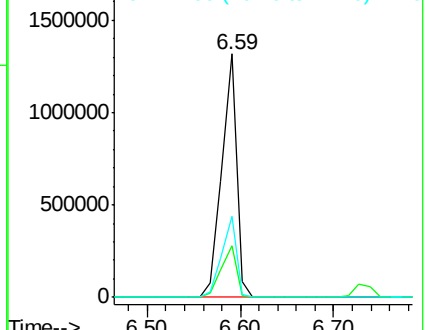
99 100

42 21.3 15.6 23.4

71 33.2 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: 10.01 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092461.D

Acq: 25 Jan 2017 6:04

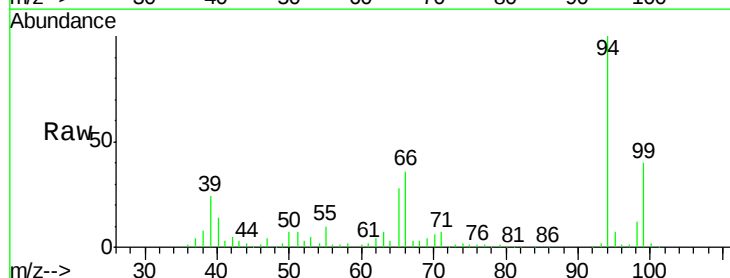
Tgt Ion: 94 Resp: 159356

Ion Ratio Lower Upper

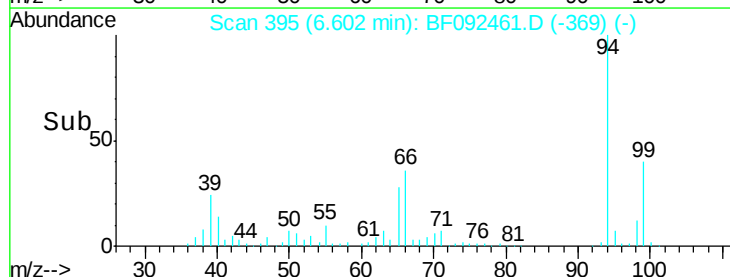
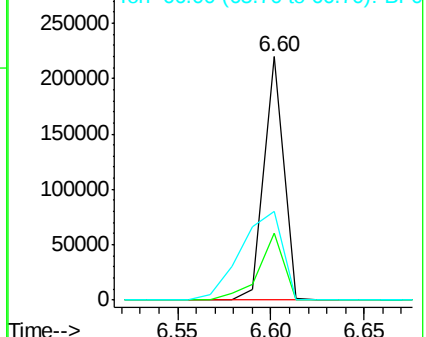
94 100

65 27.6 21.4 61.4

66 36.5 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

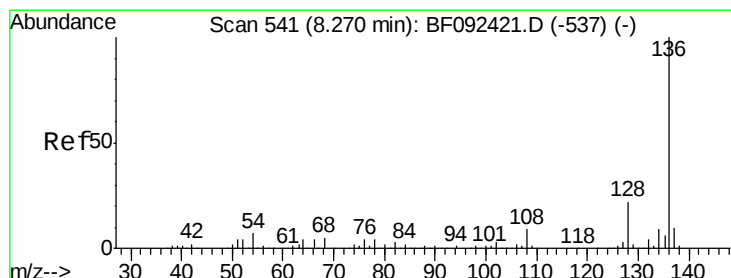
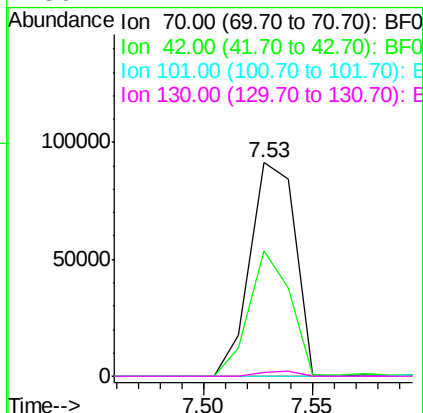
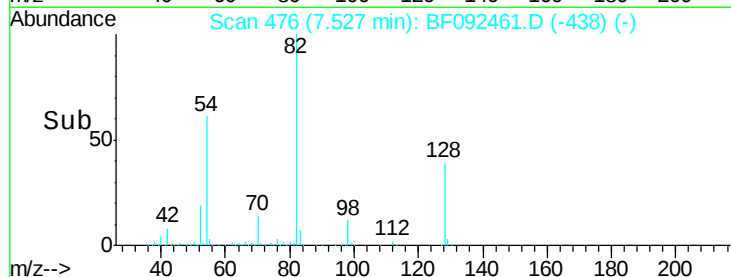
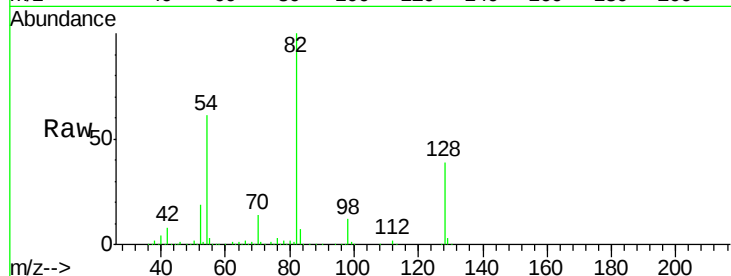




#19
n-Nitroso-di-n-propylamine
Concen: 14.79 ng
RT: 7.53 min Scan# 476
Delta R.T. 0.14 min
Lab File: BF092461.D
Acq: 25 Jan 2017 6:04

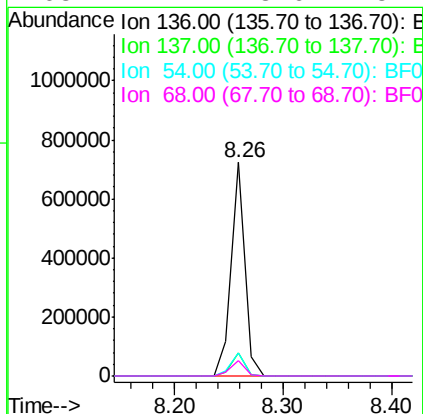
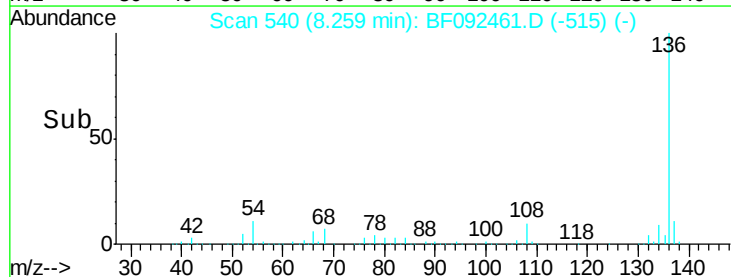
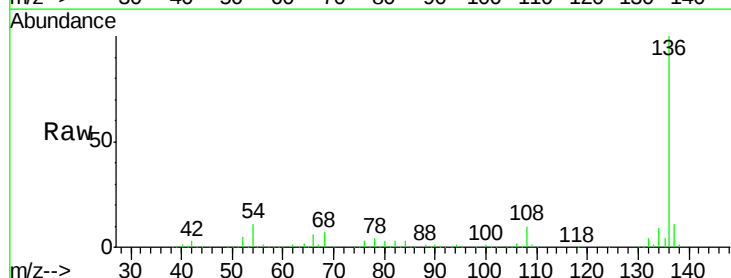
Instrument :
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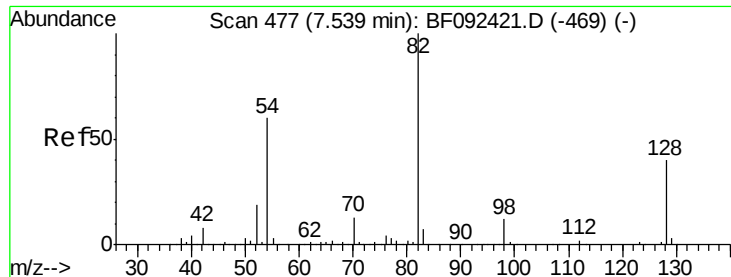
Tgt Ion: 70 Resp: 132864
Ion Ratio Lower Upper
70 100
42 58.6 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092461.D
Acq: 25 Jan 2017 6:04

Tgt Ion: 136 Resp: 625172
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 10.9 4.5 6.7#
68 7.4 3.6 5.4#

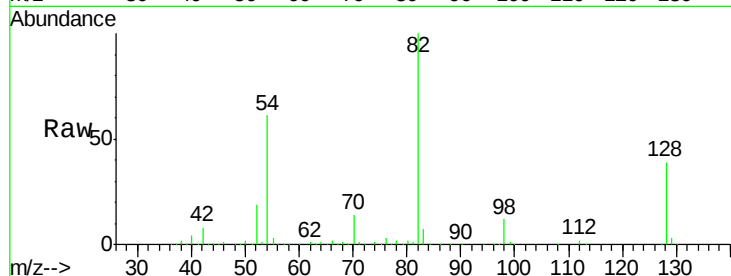




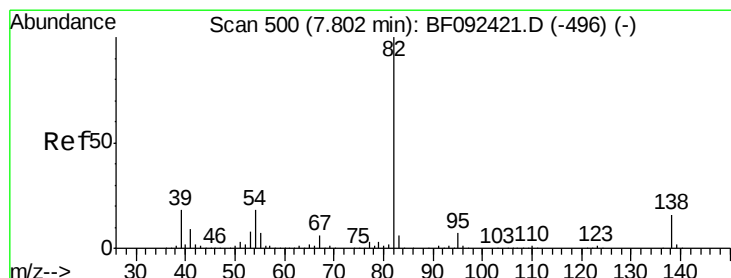
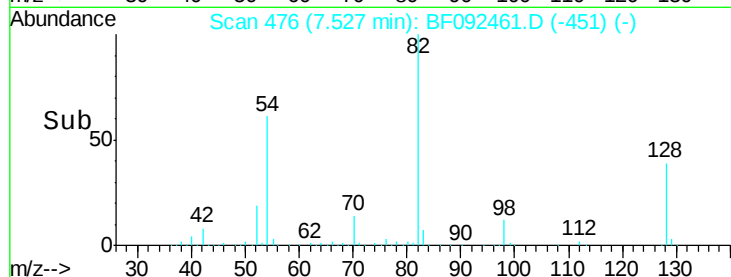
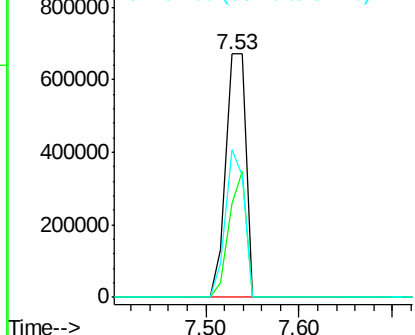
#23
 Nitrobenzene-d5
 Concen: 88.65 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF092461.D
 Acq: 25 Jan 2017 6:04

Instrument :
 BNA_F
 ClientSampleId :
 TILCON-STONEDUST-BF

Tgt Ion: 82 Resp: 1014596
 Ion Ratio Lower Upper
 82 100
 128 38.7 34.6 52.0
 54 60.7 39.5 59.3#

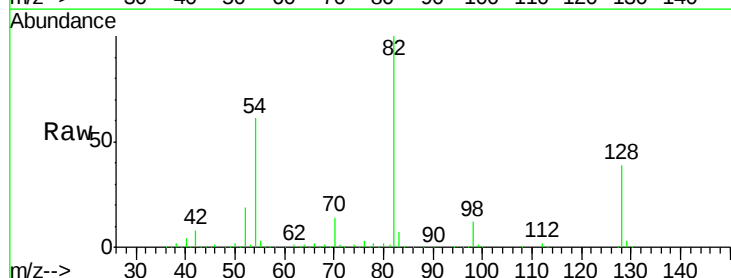


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

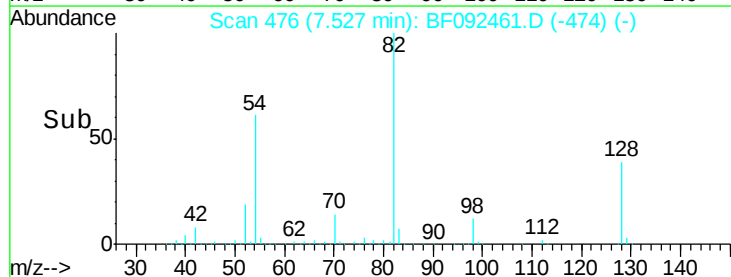
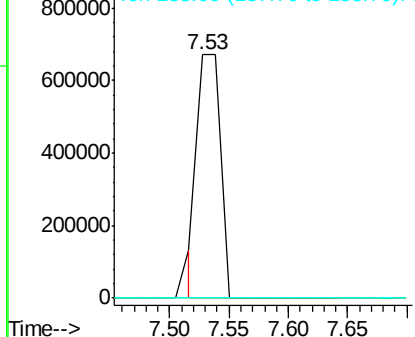


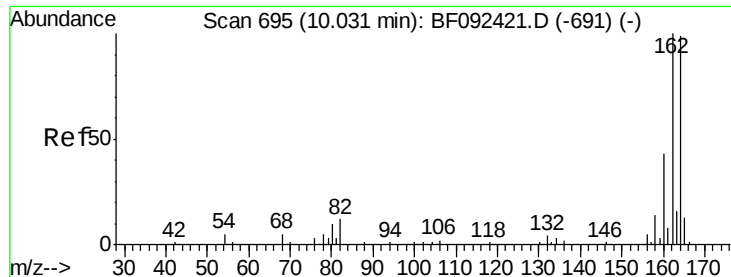
#25
 Isophorone
 Concen: 40.92 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.27 min
 Lab File: BF092461.D
 Acq: 25 Jan 2017 6:04

Tgt Ion: 82 Resp: 922819
 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: BF092461.D

Acq: 25 Jan 2017 6:04

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-BF

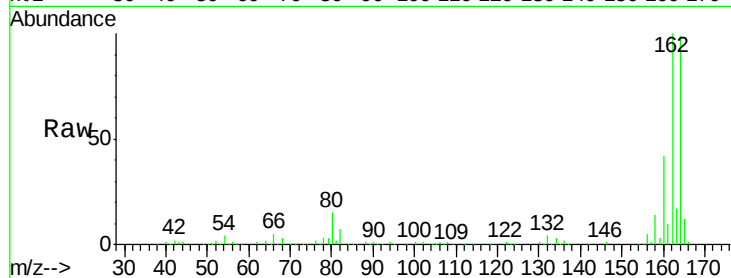
Tgt Ion:164 Resp: 327985

Ion Ratio Lower Upper

164 100

162 101.2 80.2 120.2

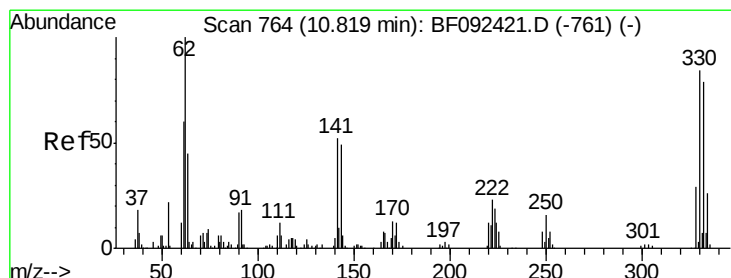
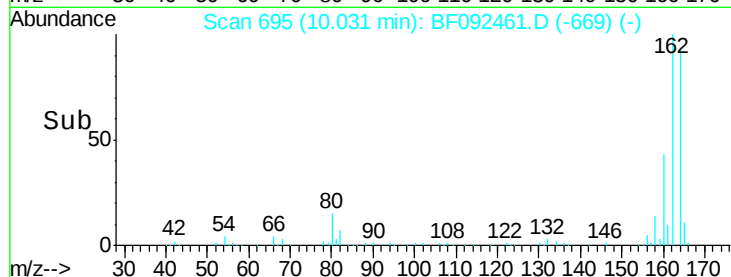
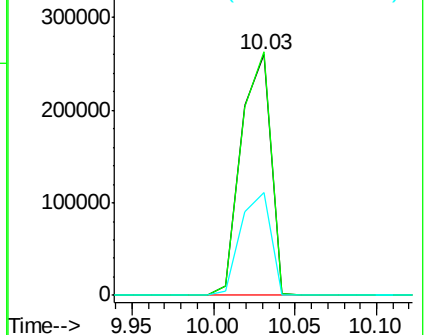
160 42.9 36.9 55.3



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: 130.44 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092461.D

Acq: 25 Jan 2017 6:04

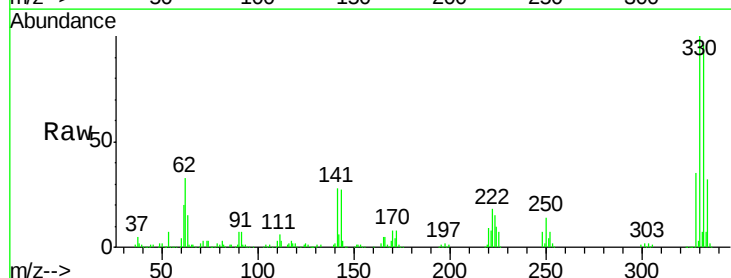
Tgt Ion:330 Resp: 291554

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

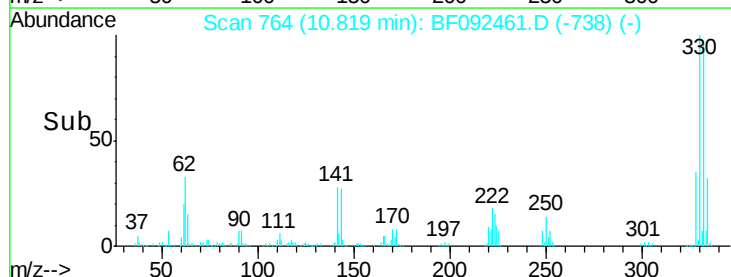
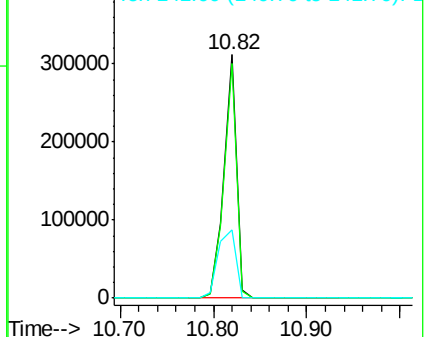
141 39.5 34.1 51.1

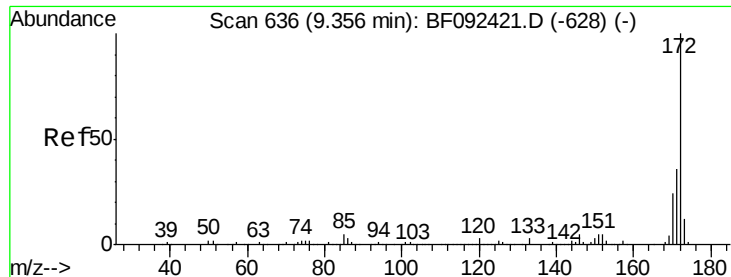


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

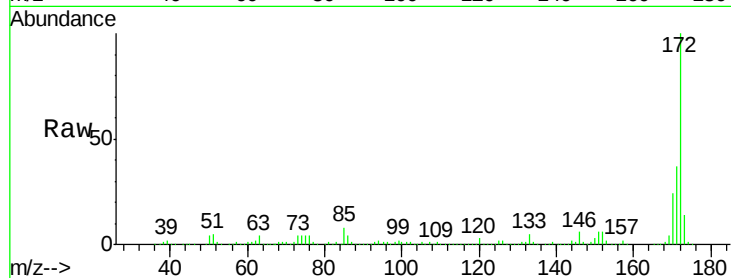




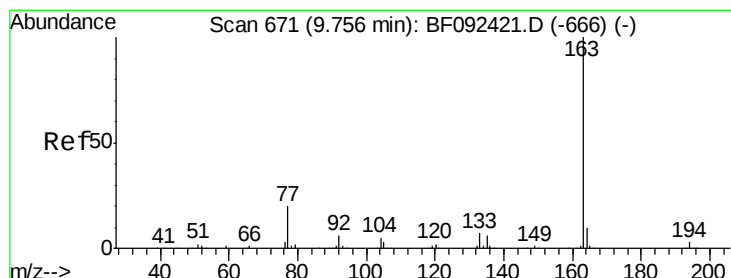
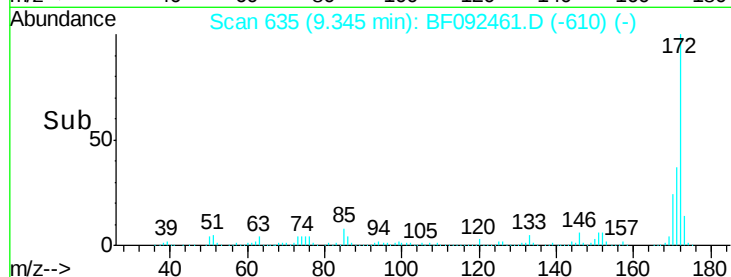
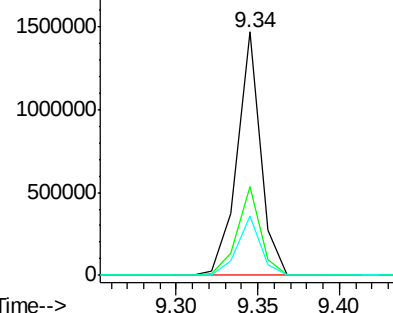
#44
 2-Fluorobiphenyl
 Concen: 82.87 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092461.D
 Acq: 25 Jan 2017 6:04

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Tgt Ion:172 Resp: 1469838
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.4 20.2 30.4

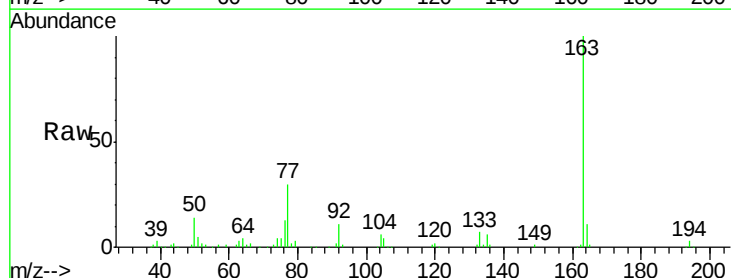


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

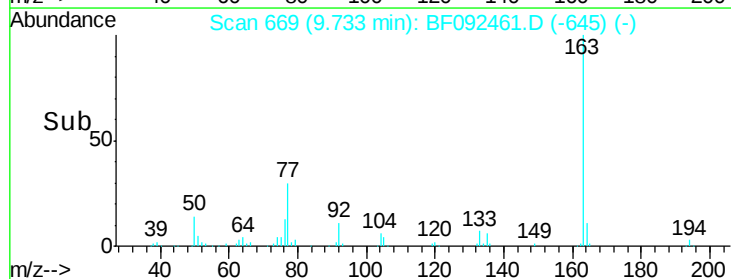
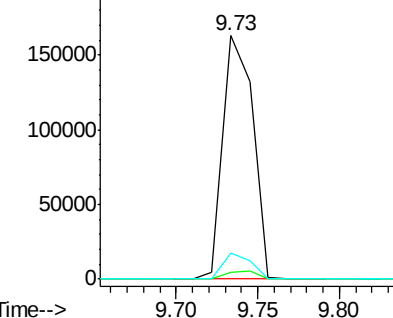


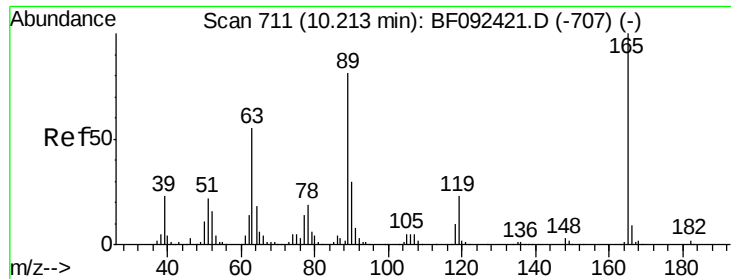
#49
 Dimethylphthalate
 Concen: 9.89 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF092461.D
 Acq: 25 Jan 2017 6:04

Tgt Ion:163 Resp: 206366
 Ion Ratio Lower Upper
 163 100
 194 2.9 3.0 4.4#
 164 10.6 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
 200000
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

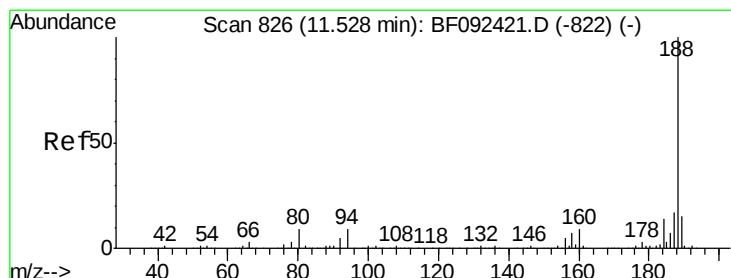
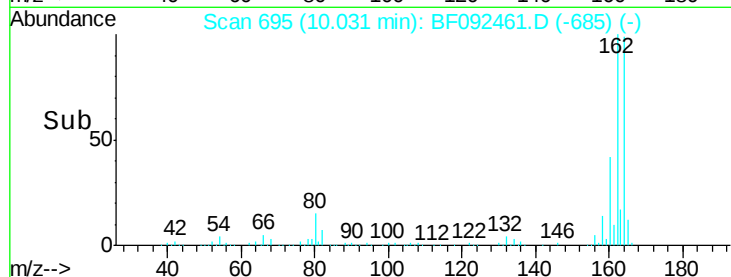
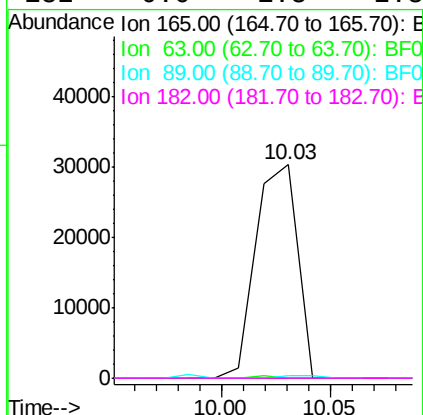
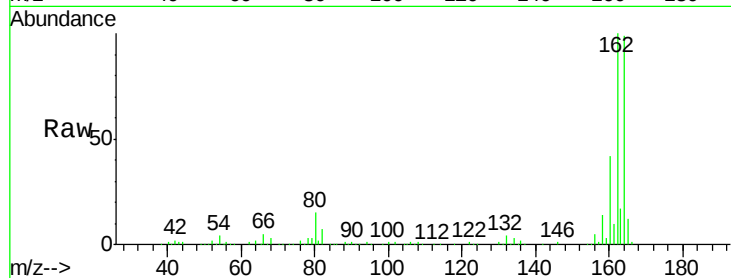




#56
2,4-Dinitrotoluene
Concen: 7.20 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.18 min
Lab File: BF092461.D
Acq: 25 Jan 2017 6:04

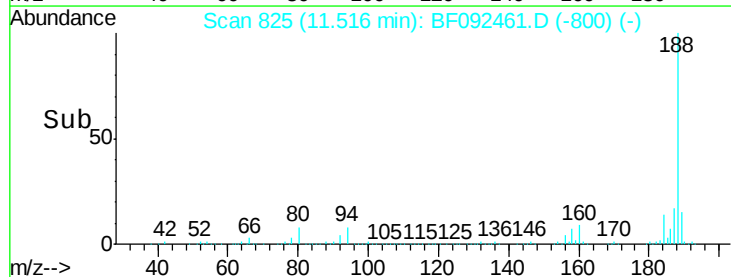
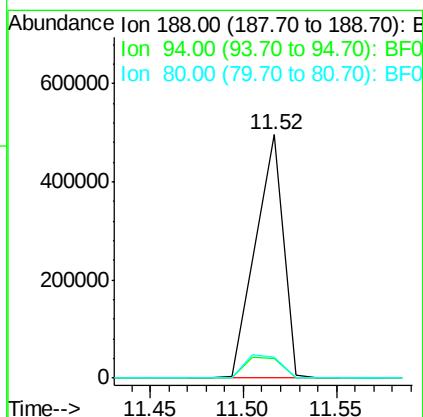
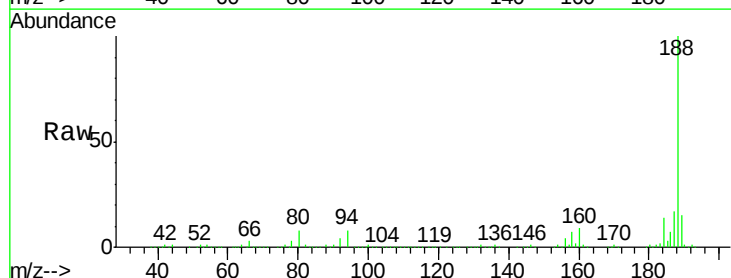
Instrument :
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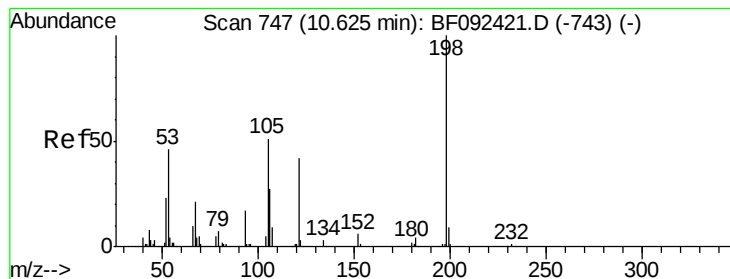
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092461.D
Acq: 25 Jan 2017 6:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	10.0	15.0#
80	8.4	11.2	16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.21 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092461.D

Acq: 25 Jan 2017 6:04

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-BF

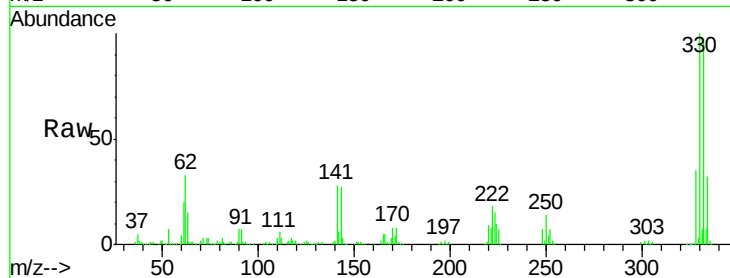
Tgt Ion:198 Resp: 794

Ion Ratio Lower Upper

198 100

51 143.7 6.7 46.7#

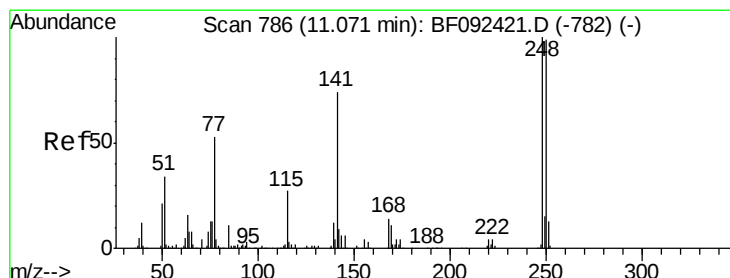
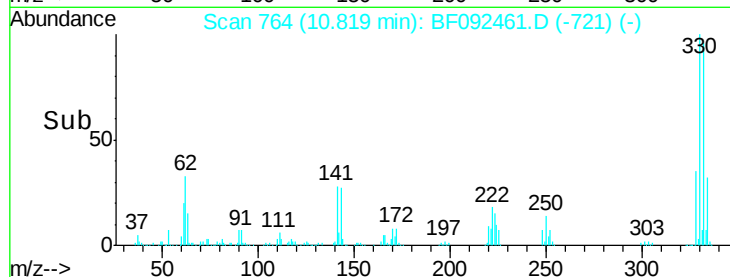
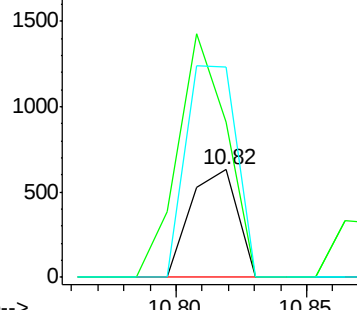
105 195.9 16.6 56.6#



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: 4.43 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092461.D

Acq: 25 Jan 2017 6:04

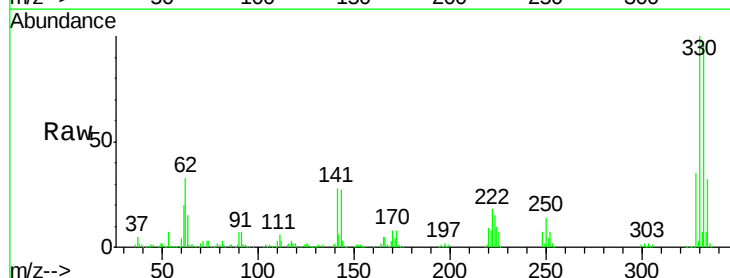
Tgt Ion:248 Resp: 22977

Ion Ratio Lower Upper

248 100

250 194.9 76.9 115.3#

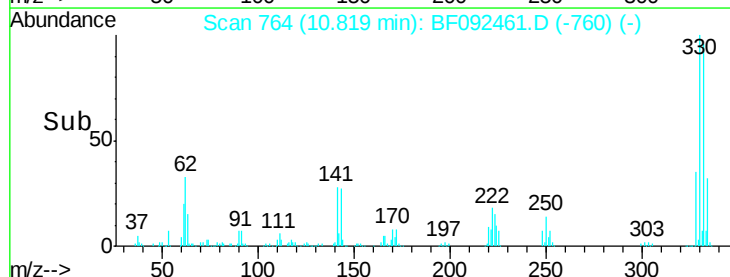
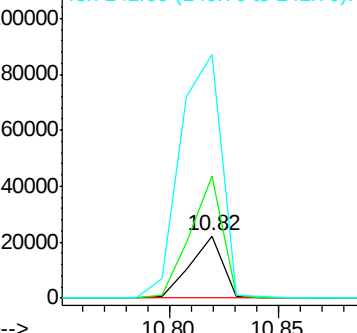
141 390.0 68.2 102.4#

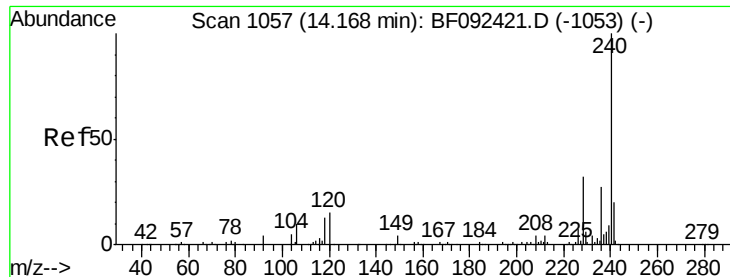


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF092461.D

Acq: 25 Jan 2017 6:04

Instrument :

BNA_F

ClientSampleId :

TILCON-STONEDUST-BF

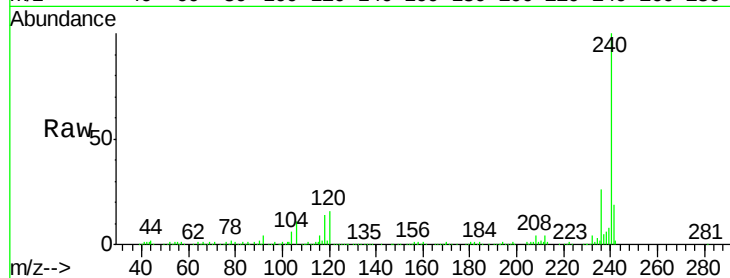
Tgt Ion:240 Resp: 321858

Ion Ratio Lower Upper

240 100

120 16.3 12.9 19.3

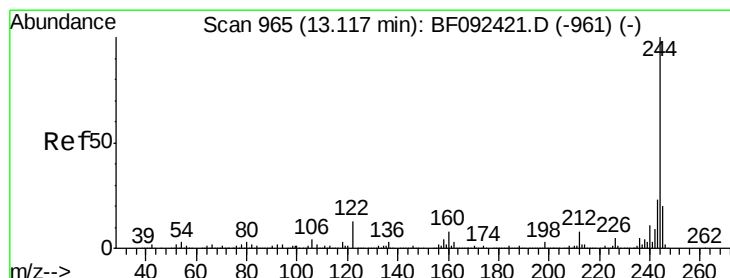
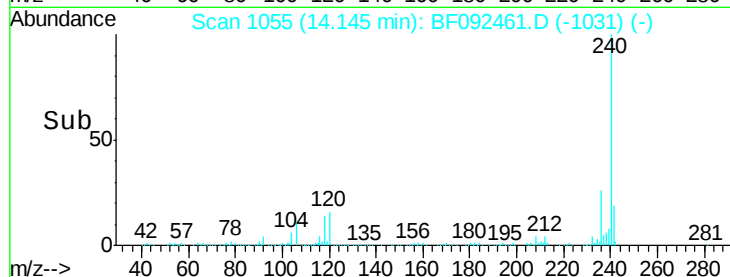
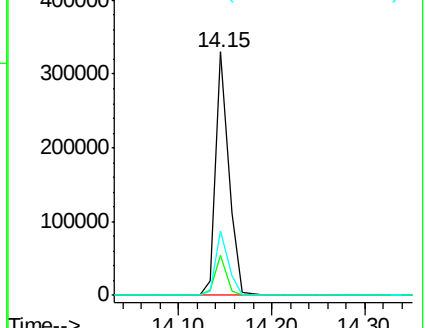
236 26.4 20.9 31.3



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: 99.35 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092461.D

Acq: 25 Jan 2017 6:04

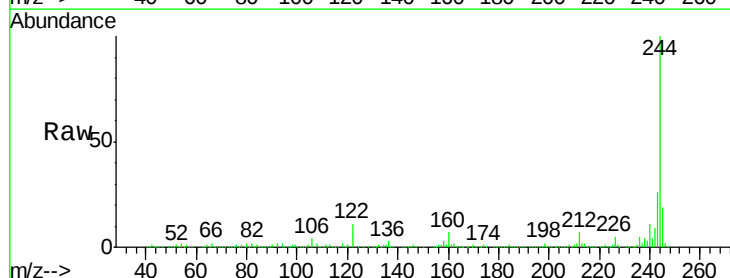
Tgt Ion:244 Resp: 1200892

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

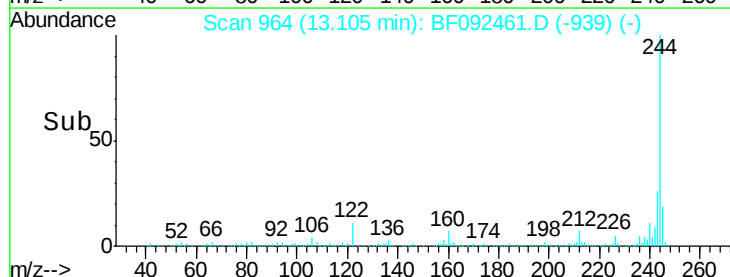
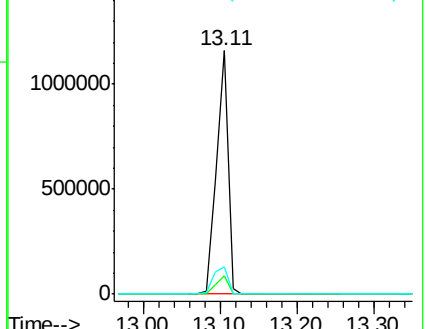
122 11.4 11.4 17.2#

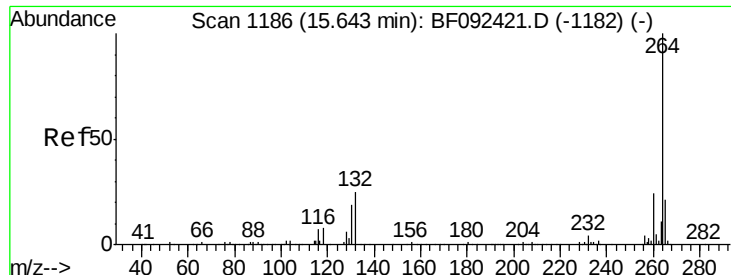


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF092461.D
Acq: 25 Jan 2017 6:04

Instrument :
BNA_F
ClientSampleId :
TILCON-STONEDUST-BF

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.2	17.4	26.0

