

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061215\
 Data File : BF079973.D
 Acq On : 13 Jun 2015 12:05
 Operator : TP/IZ
 Sample : G2609-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D1(CRUSHED-STONE)

Quant Time: Jun 15 00:58:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 22:57:49 2015
 Response via : Initial Calibration

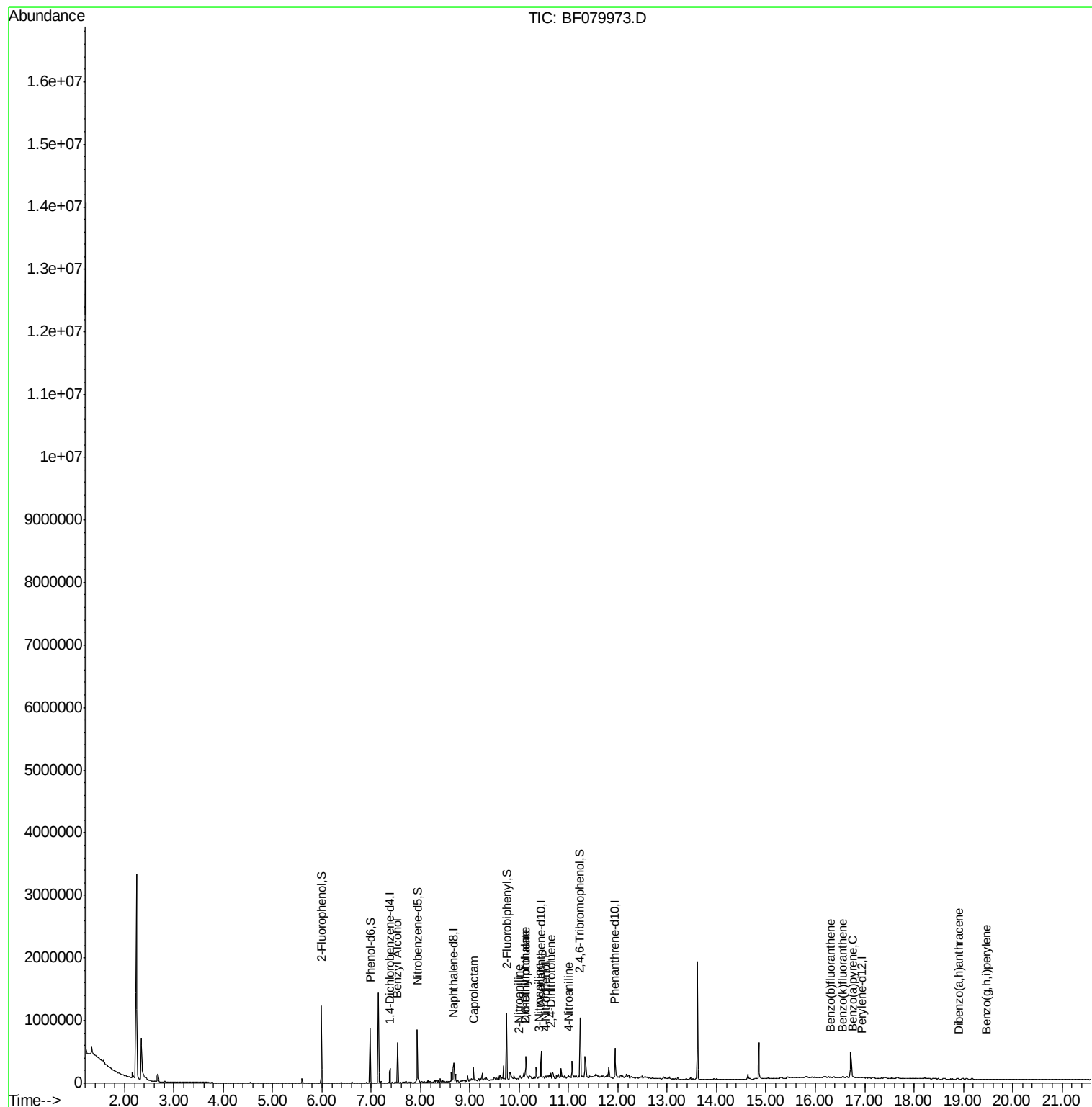
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	42887	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	173193	20.00	ng	0.00
38) Acenaphthene-d10	10.44	164	94049	20.00	ng	0.00
63) Phenanthrene-d10	11.94	188	197934	20.00	ng	-0.03
75) Chrysene-d12	0.00	240	0	0.00	ng	-15.14
86) Perylene-d12	16.95	264	683	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.99	112	301302	128.82	ng	0.00
7) Phenol-d6	6.98	99	414219	129.99	ng	0.01
23) Nitrobenzene-d5	7.93	82	228686	87.12	ng	0.00
41) 2,4,6-Tribromophenol	11.23	330	96478	102.50	ng	-0.01
44) 2-Fluorobiphenyl	9.75	172	458184	68.22	ng	0.00
78) Terphenyl-d14	13.61	244	529731	0.00	ng	-0.16
Target Compounds						Qvalue
15) Benzyl Alcohol	7.53	79	5227	2.05	ng	# 36
35) Caprolactam	9.07	113	3716	5.12	ng	# 17
47) 2-Nitroaniline	10.00	65	1271	5.12	ng	# 14
49) Dimethylphthalate	10.12	163	49065	6.51	ng	99
50) 2,6-Dinitrotoluene	10.12	165	3847	5.66	ng	# 31
52) 3-Nitroaniline	10.40	138	532	3.18	ng	# 1
55) 4-Nitrophenol	10.54	139	1708	3.93	ng	# 19
56) 2,4-Dinitrotoluene	10.64	165	499	5.05	ng	# 64
61) 4-Nitroaniline	10.99	138	227	3.24	ng	# 1
87) Benzo(b)fluoranthene	16.31	252	1671	39.93	ng	# 27
88) Benzo(k)fluoranthene	16.56	252	5157	120.83	ng	# 78
89) Benzo(a)pyrene	16.77	252	3485	87.56	ng	# 39
90) Dibenzo(a,h)anthracene	18.91	278	482	12.32	ng	# 55
91) Benzo(g,h,i)perylene	19.46	276	241	5.95	ng	# 51

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

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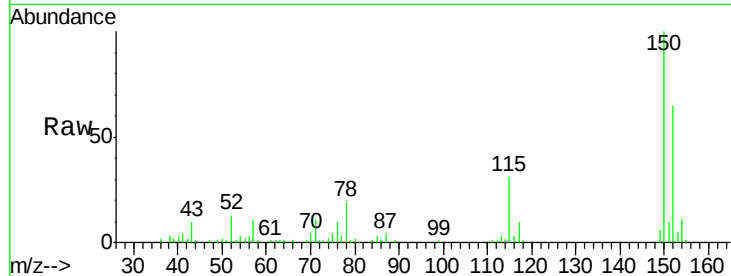


#1

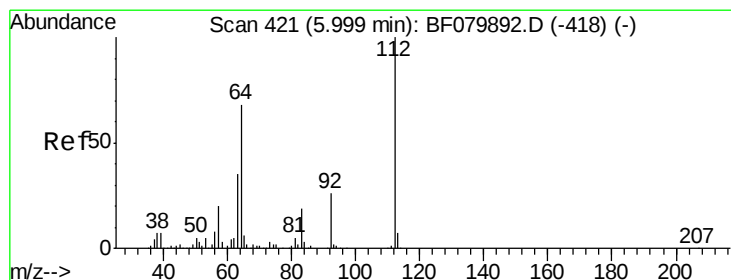
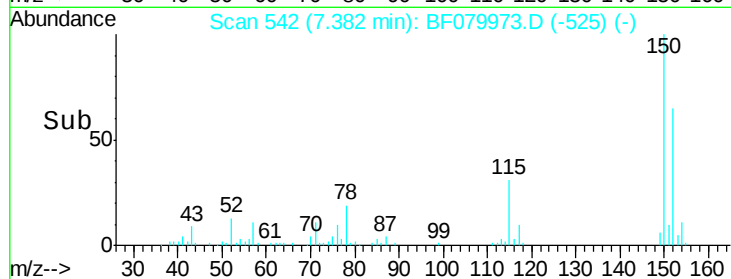
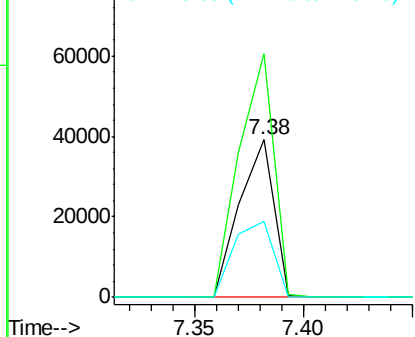
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF079973.D
Acq: 13 Jun 2015 12:05

Instrument :
BNA_F
ClientSampleId :
D1(CRUSHED-STONE)

Tgt Ion:152 Resp: 42887
Ion Ratio Lower Upper
152 100
150 154.4 131.0 196.4
115 48.3 49.8 74.6#



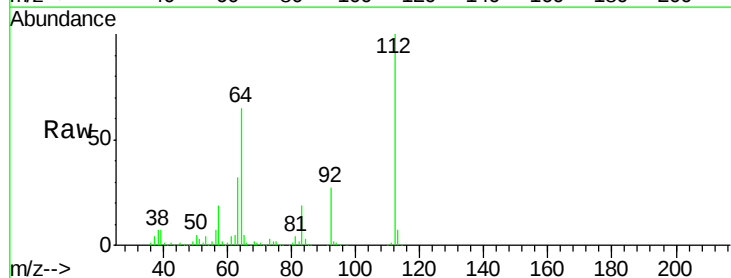
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



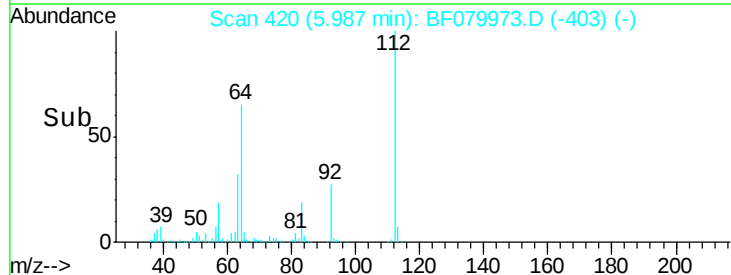
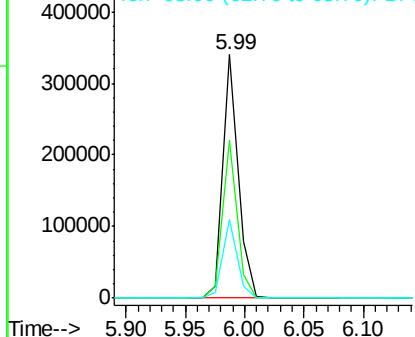
#5

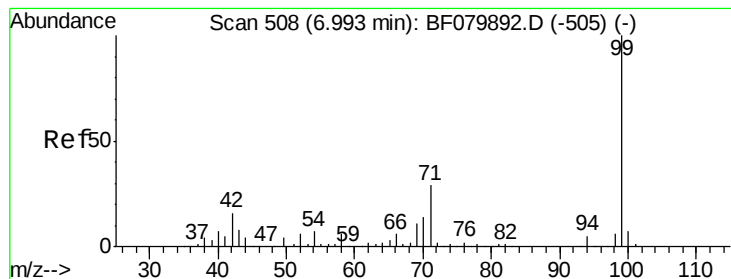
2-Fluorophenol
Concen: 128.82 ng
RT: 5.99 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF079973.D
Acq: 13 Jun 2015 12:05

Tgt Ion:112 Resp: 301302
Ion Ratio Lower Upper
112 100
64 65.0 54.5 81.7
63 32.2 27.9 41.9



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: 129.99 ng

RT: 6.98 min Scan# 507

Delta R.T. 0.01 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

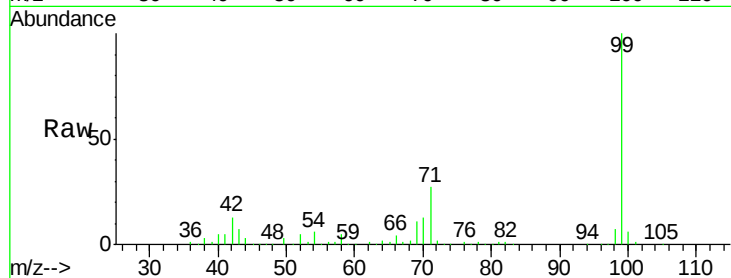
Tgt Ion: 99 Resp: 414219

Ion Ratio Lower Upper

99 100

42 13.4 12.9 19.3

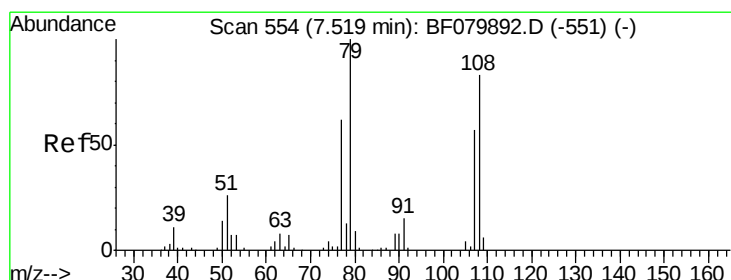
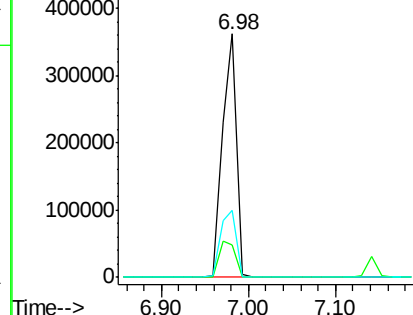
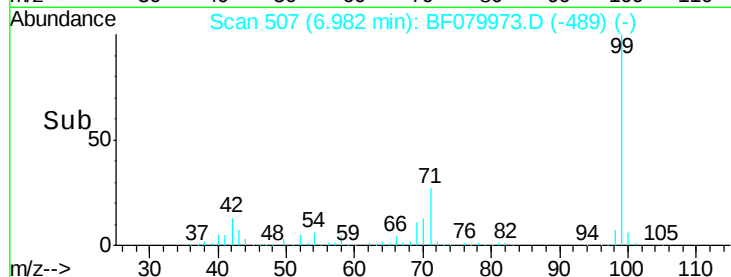
71 27.5 23.4 35.2



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



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.53 min Scan# 555

Delta R.T. 0.03 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

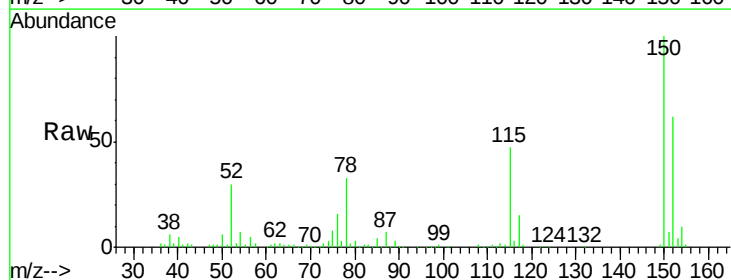
Tgt Ion: 79 Resp: 5227

Ion Ratio Lower Upper

79 100

108 26.3 66.4 99.6#

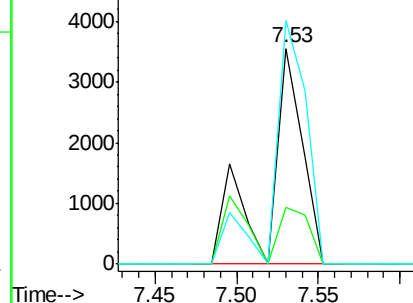
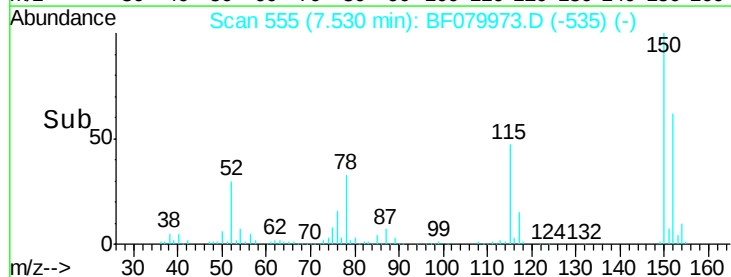
77 112.7 49.4 74.0#

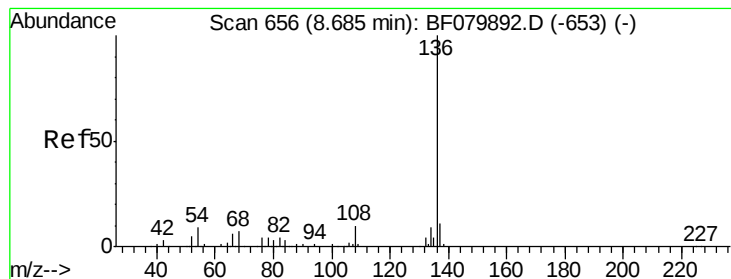


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.67 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

Tgt Ion:136 Resp: 173193

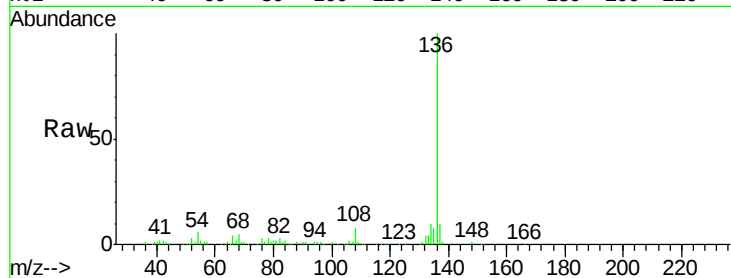
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 5.5 7.3 10.9#

68 4.8 5.9 8.9#

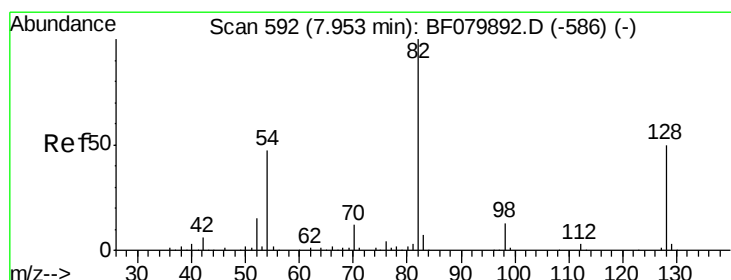
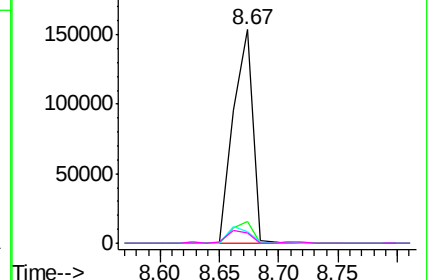
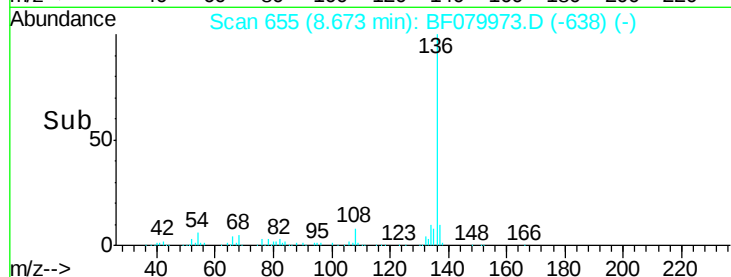


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.12 ng

RT: 7.93 min Scan# 590

Delta R.T. -0.00 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

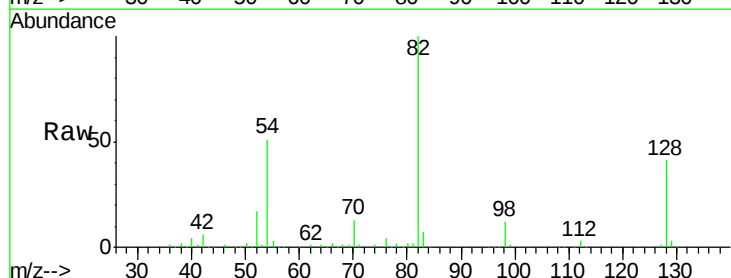
Tgt Ion: 82 Resp: 228686

Ion Ratio Lower Upper

82 100

128 40.6 40.3 60.5

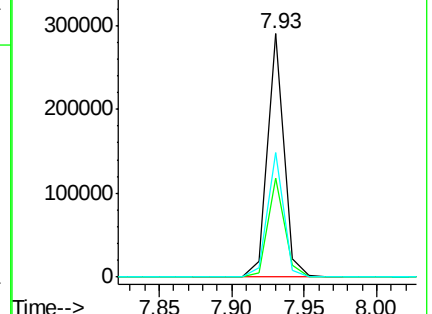
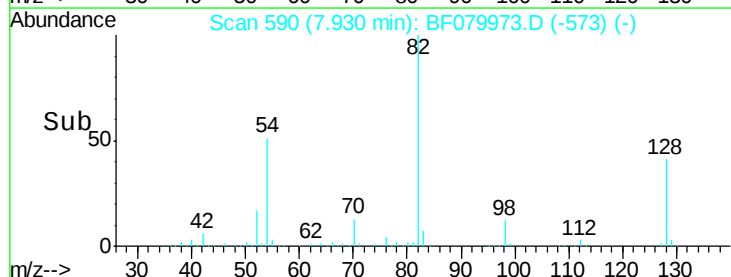
54 51.3 38.0 57.0

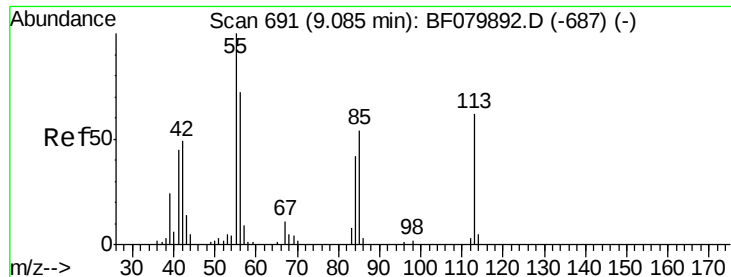


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#35

Caprolactam

Concen: 5.12 ng

RT: 9.07 min Scan# 690

Delta R.T. 0.01 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

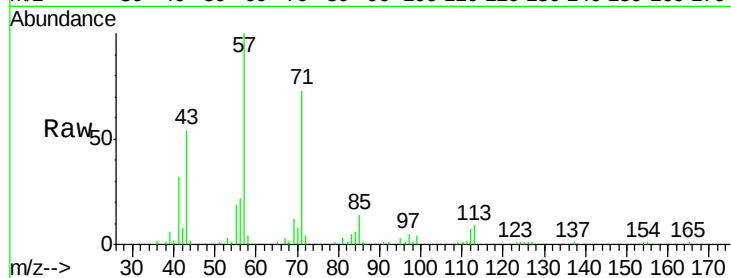
Tgt Ion:113 Resp: 3716

Ion Ratio Lower Upper

113 100

55 224.5 141.4 181.4#

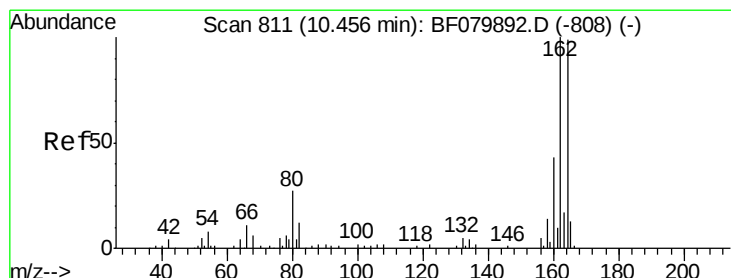
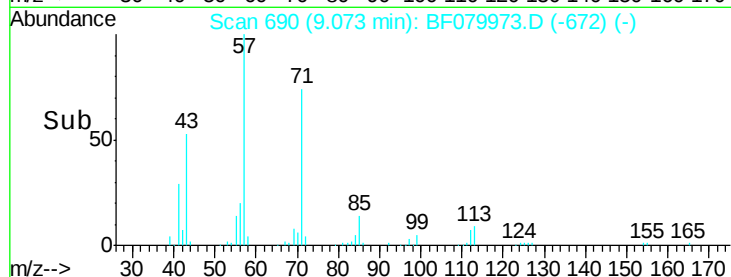
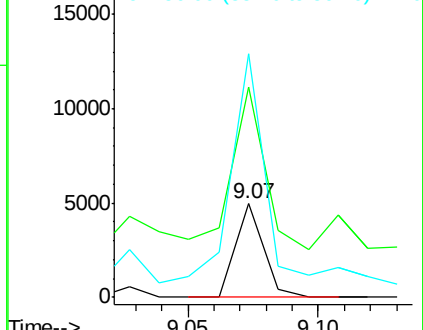
56 259.7 95.9 135.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.44 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

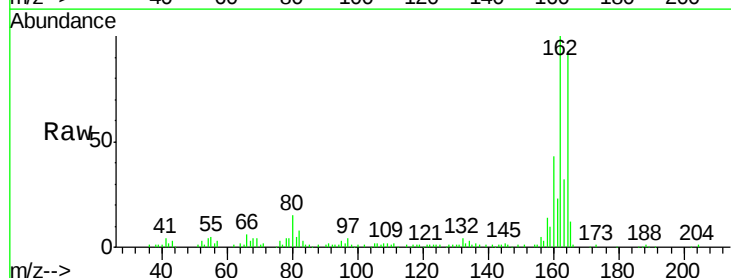
Tgt Ion:164 Resp: 94049

Ion Ratio Lower Upper

164 100

162 107.4 80.7 121.1

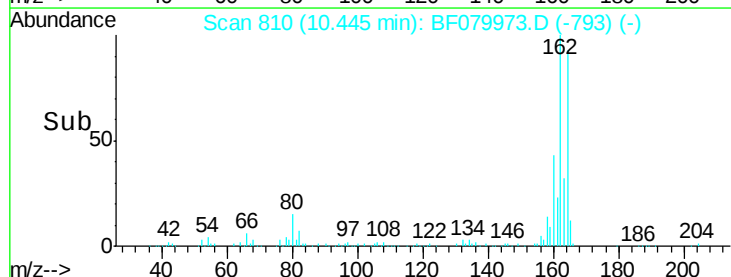
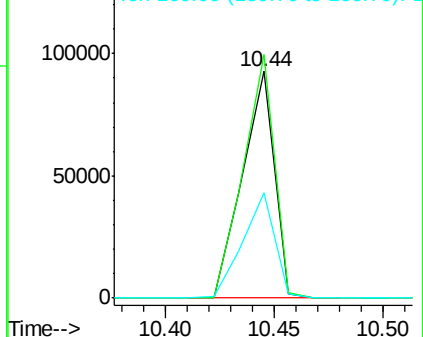
160 46.6 34.6 51.8

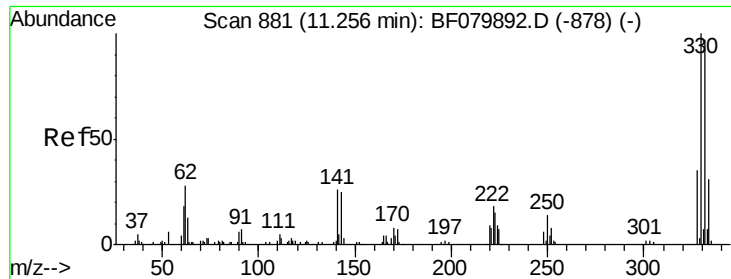


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

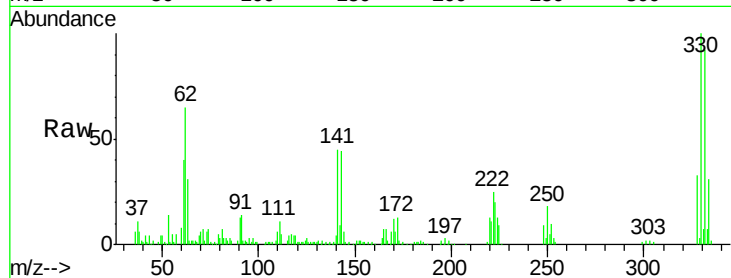




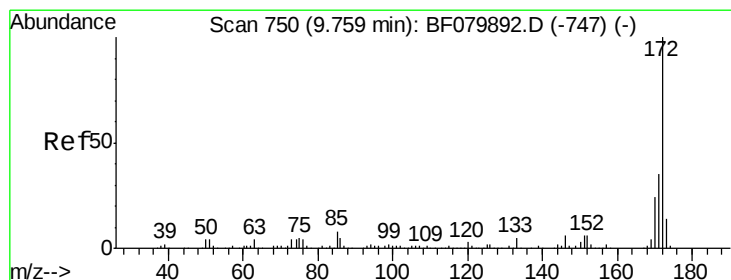
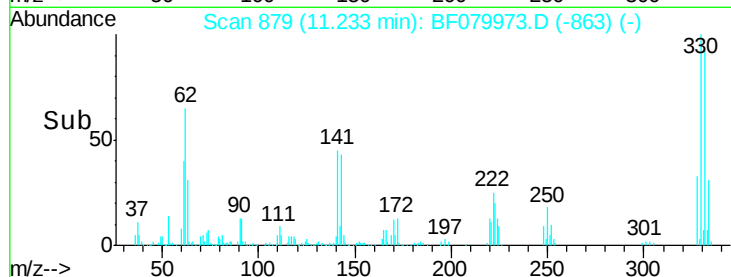
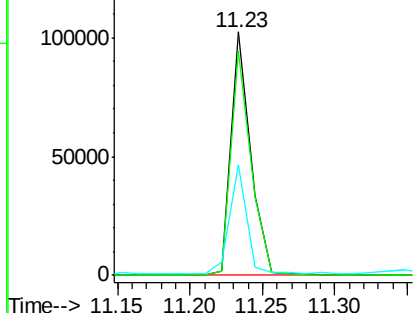
#41
 2,4,6-Tribromophenol
 Concen: 102.50 ng
 RT: 11.23 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF079973.D
 Acq: 13 Jun 2015 12:05

Instrument :
 BNA_F
 ClientSampleId :
 D1(CRUSHED-STONE)

Tgt Ion:330 Resp: 96478
 Ion Ratio Lower Upper
 330 100
 332 93.4 77.3 115.9
 141 40.3 26.8 40.2#

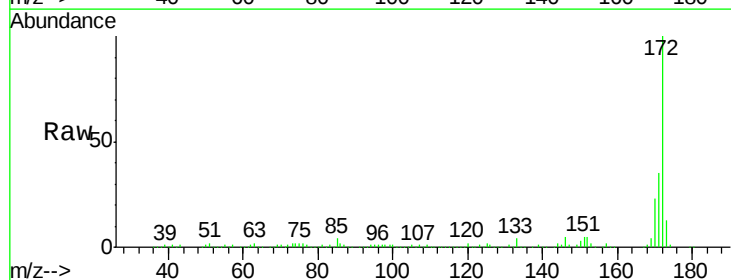


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

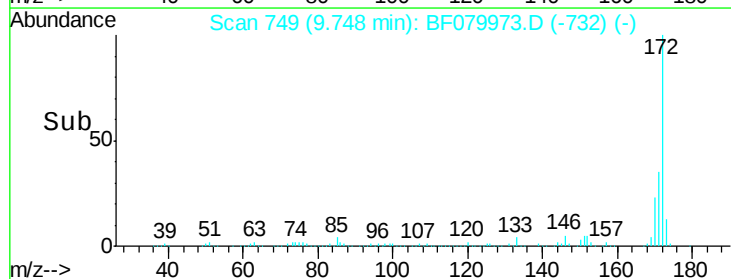
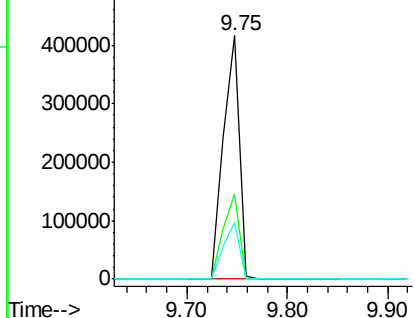


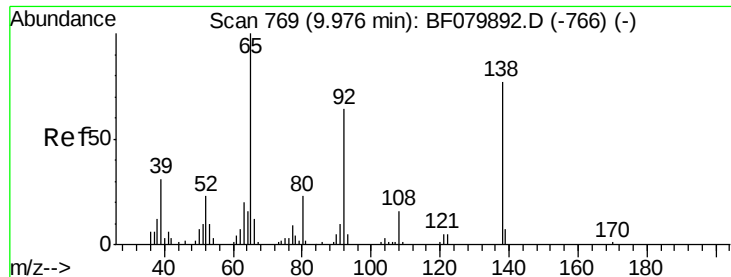
#44
 2-Fluorobiphenyl
 Concen: 68.22 ng
 RT: 9.75 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF079973.D
 Acq: 13 Jun 2015 12:05

Tgt Ion:172 Resp: 458184
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.3 42.5
 170 23.3 19.0 28.4



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





#47

2-Nitroaniline

Concen: 5.12 ng

RT: 10.00 min Scan# 771

Delta R.T. 0.03 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

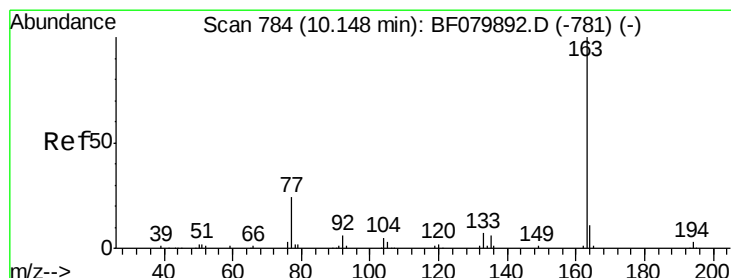
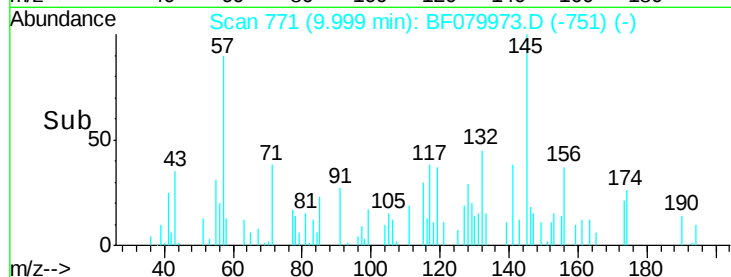
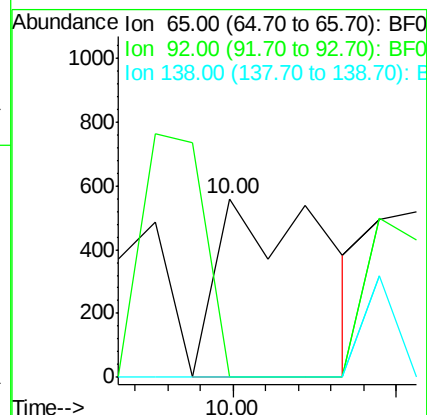
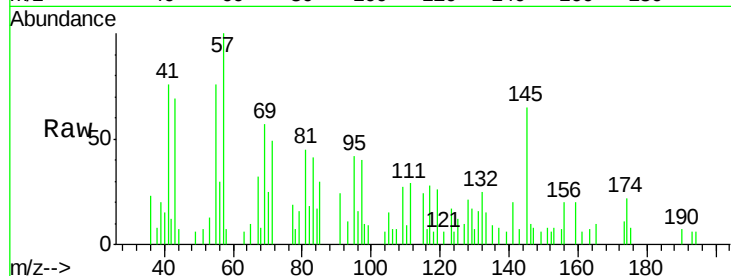
Tgt Ion: 65 Resp: 1271

Ion Ratio Lower Upper

65 100

92 0.0 51.1 76.7#

138 0.0 62.0 93.0#



#49

Dimethylphthalate

Concen: 6.51 ng

RT: 10.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

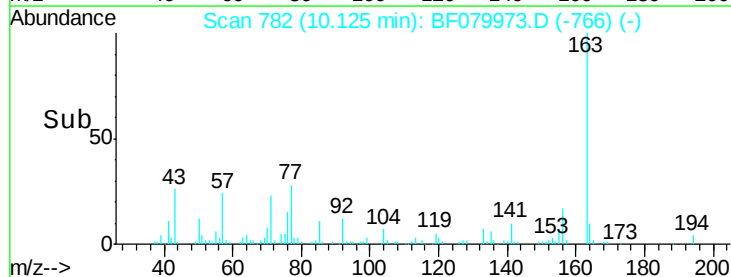
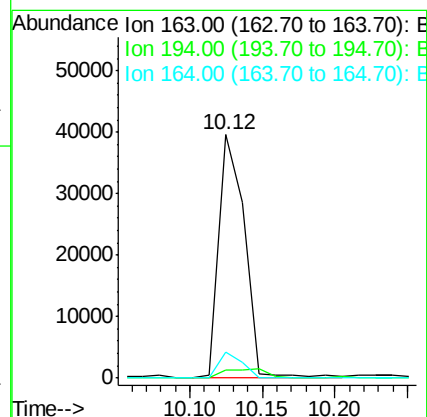
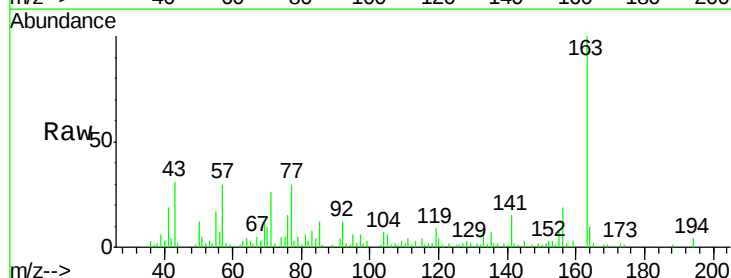
Tgt Ion:163 Resp: 49065

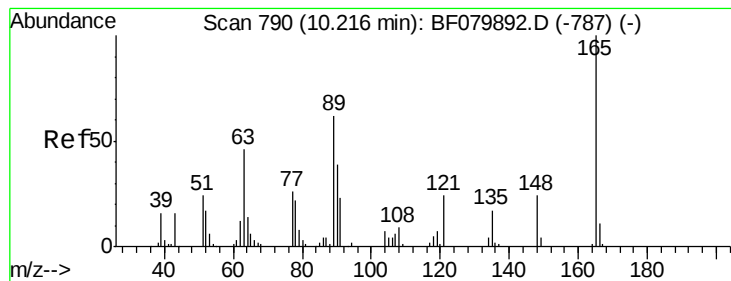
Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

164 10.5 8.6 12.8





#50

2,6-Dinitrotoluene

Concen: 5.66 ng

RT: 10.12 min Scan# 782

Delta R.T. -0.08 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

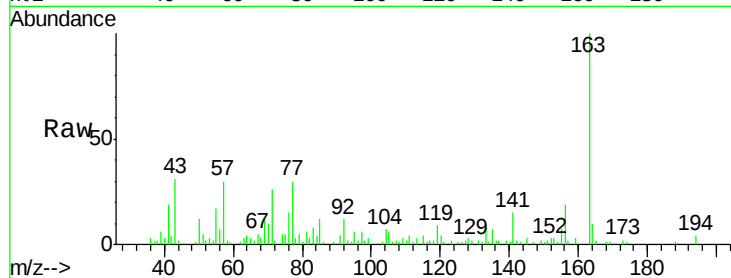
Tgt Ion:165 Resp: 3847

Ion Ratio Lower Upper

165 100

63 135.1 46.4 69.6#

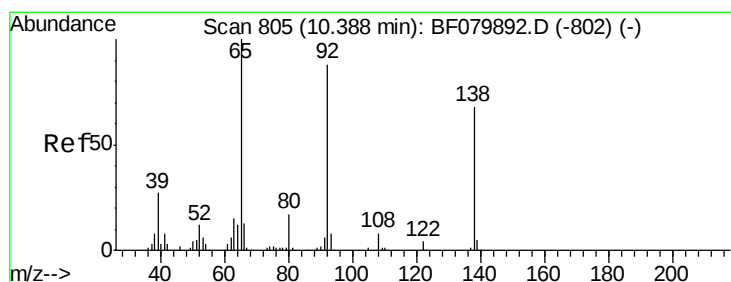
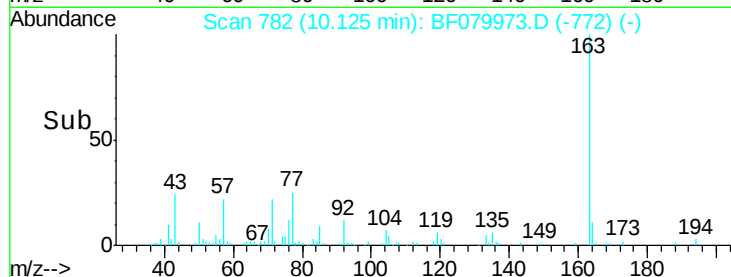
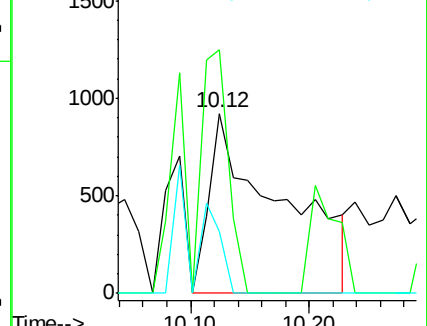
89 34.3 49.6 74.4#



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



#52

3-Nitroaniline

Concen: 3.18 ng

RT: 10.40 min Scan# 806

Delta R.T. 0.02 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

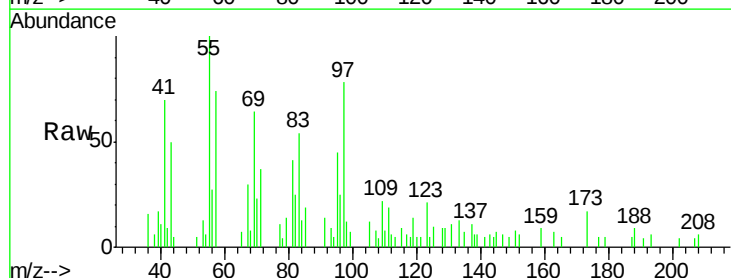
Tgt Ion:138 Resp: 532

Ion Ratio Lower Upper

138 100

108 65.9 9.0 13.6#

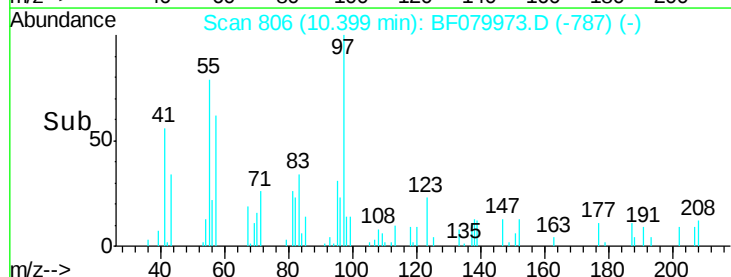
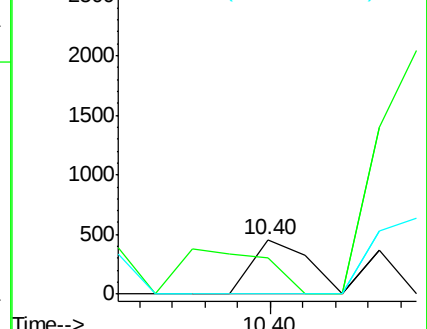
92 0.0 103.1 154.7#

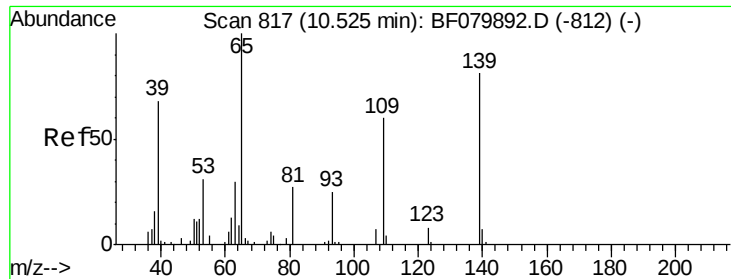


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#55

4-Nitrophenol

Concen: 3.93 ng

RT: 10.54 min Scan# 818

Delta R.T. 0.02 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

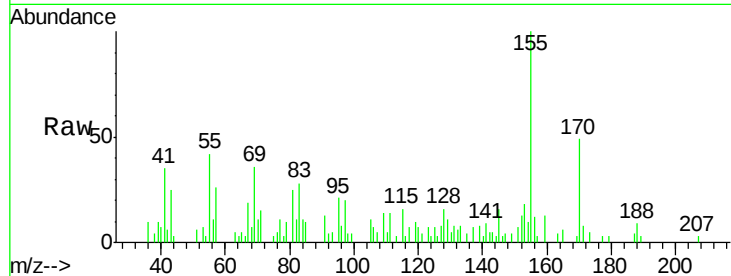
Tgt Ion:139 Resp: 1708

Ion Ratio Lower Upper

139 100

109 178.6 54.8 94.8#

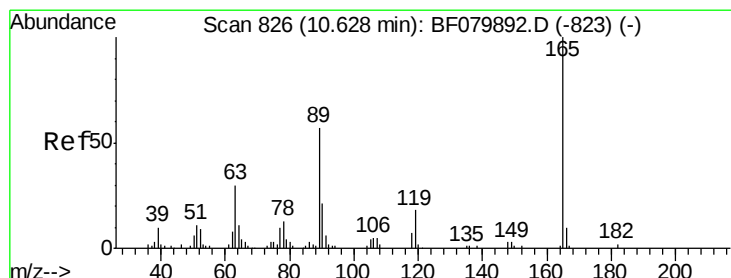
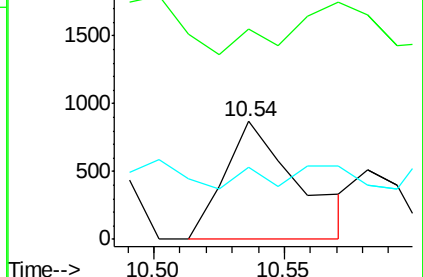
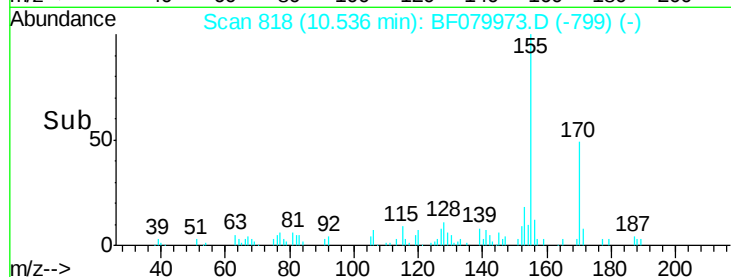
65 61.0 104.8 144.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.05 ng

RT: 10.64 min Scan# 827

Delta R.T. 0.03 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Tgt Ion:165 Resp: 499

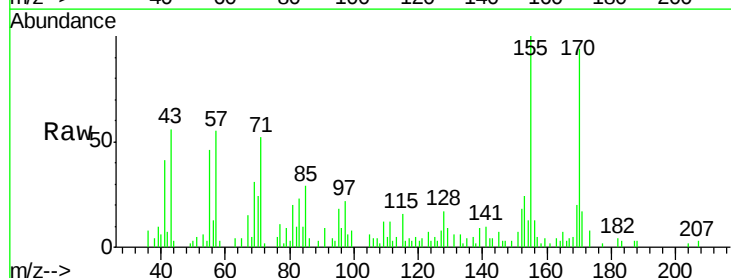
Ion Ratio Lower Upper

165 100

63 61.2 24.3 36.5#

89 42.6 45.4 68.2#

182 57.7 1.8 2.8#

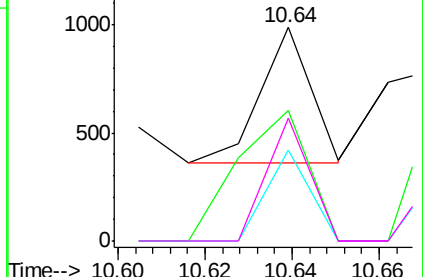
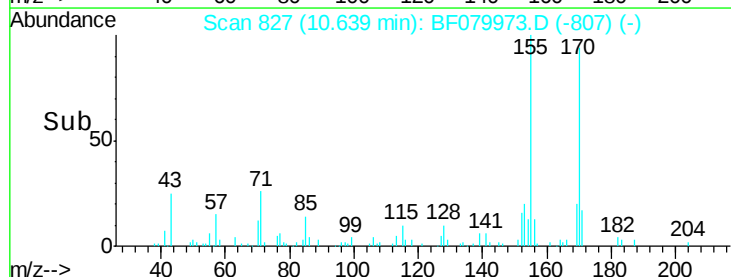


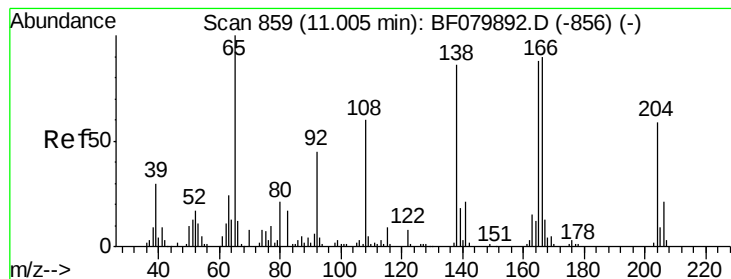
Abundance Ion 165.00 (164.70 to 165.70): E

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





#61

4-Nitroaniline

Concen: 3.24 ng

RT: 10.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

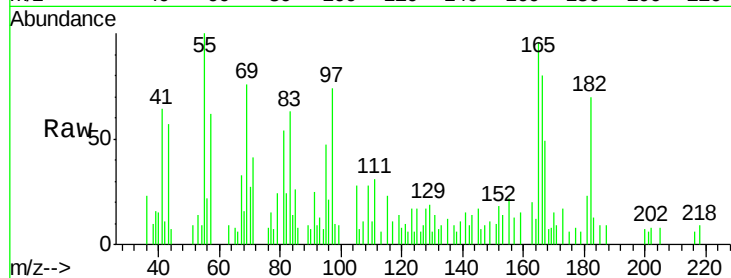
Tgt Ion:138 Resp: 227

Ion Ratio Lower Upper

138 100

92 148.3 32.9 72.9#

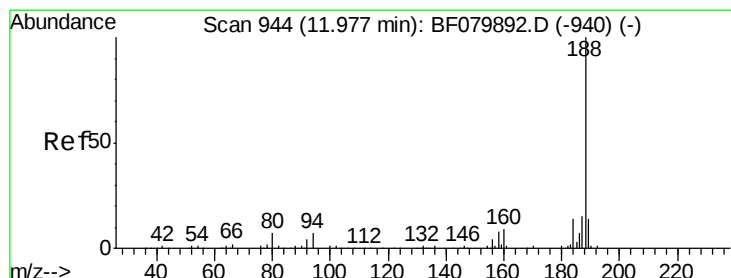
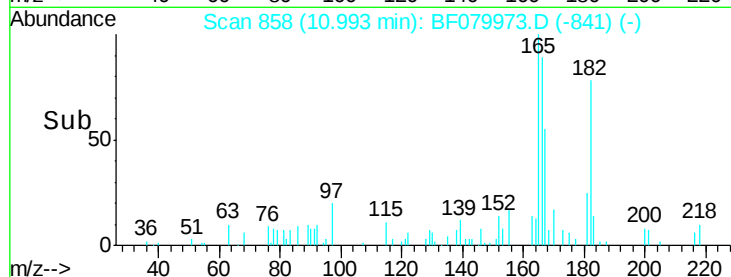
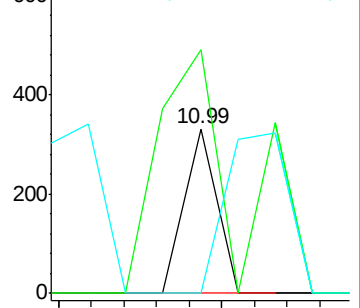
108 0.0 50.4 90.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.94 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

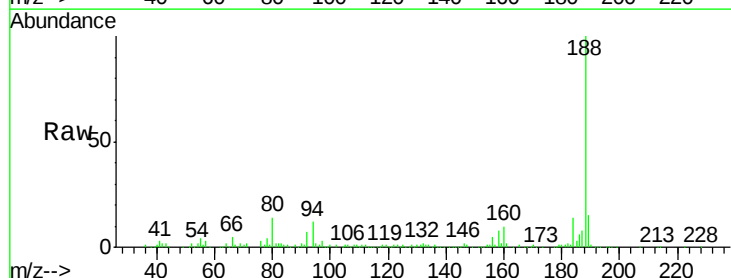
Tgt Ion:188 Resp: 197934

Ion Ratio Lower Upper

188 100

94 12.0 5.8 8.8#

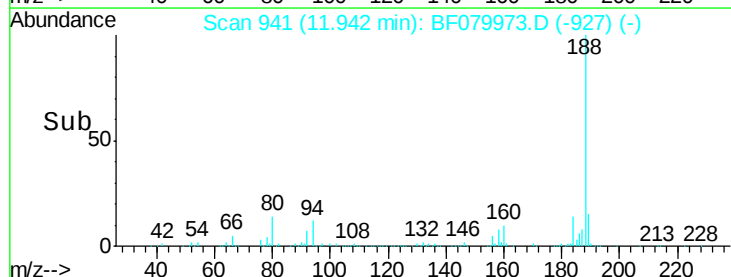
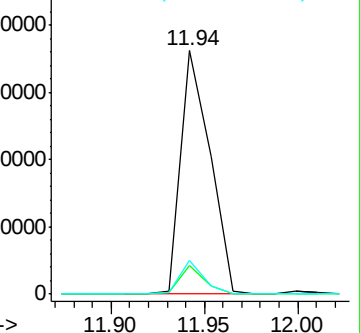
80 13.8 5.9 8.9#

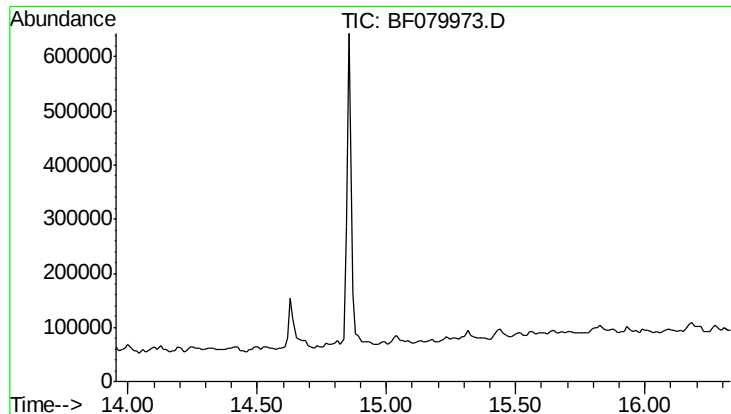


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

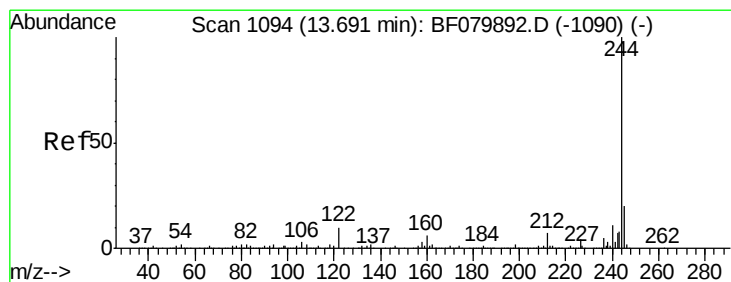
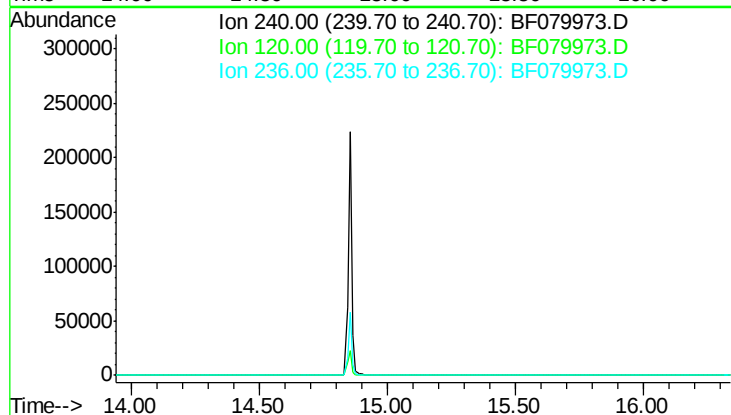




#75
 Chrysene-d12
 Concen: 0.00 ng
 Expected RT: 15.14 min
 Lab File: BF079973.D
 Acq: 13 Jun 2015 12:05

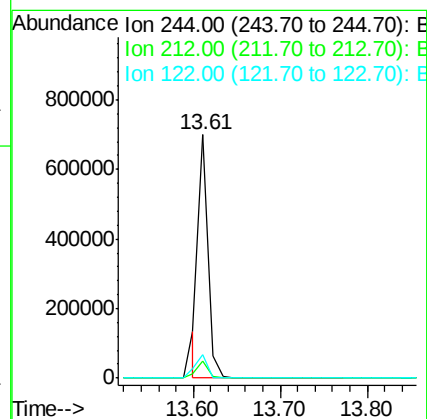
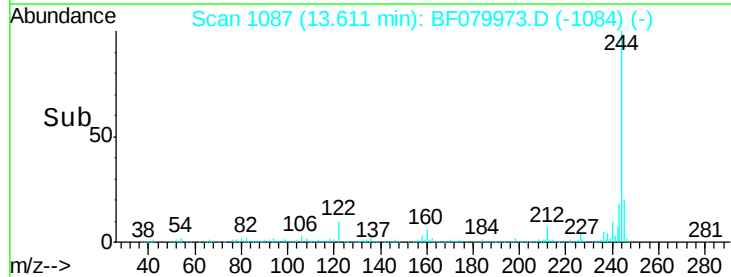
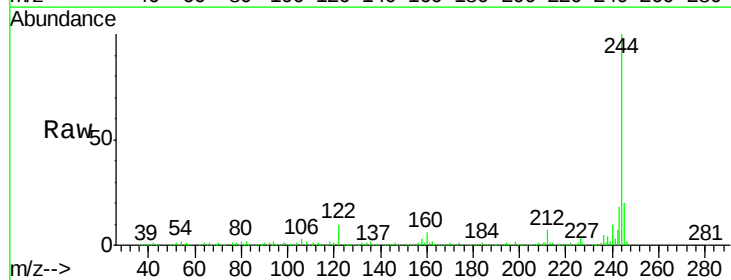
Instrument :
 BNA_F
 ClientSampleId :
 D1(CRUSHED-STONE)

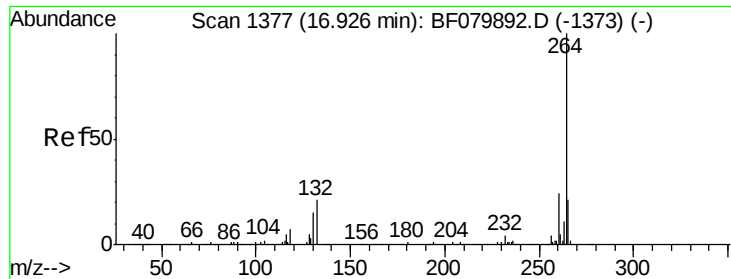
Tgt Ion: 240
 Sig Exp Ratio
 240 100
 120 11.8
 236 24.5



#78
 Terphenyl-d14
 Concen: 0.00 ng
 RT: 13.61 min Scan# 1087
 Delta R.T. -0.16 min
 Lab File: BF079973.D
 Acq: 13 Jun 2015 12:05

Tgt Ion: 244 Resp: 529731
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 9.6 7.8 11.8

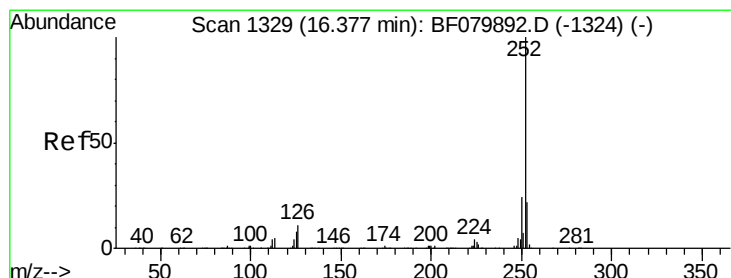
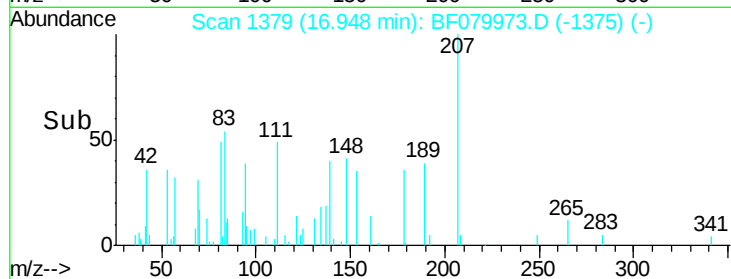
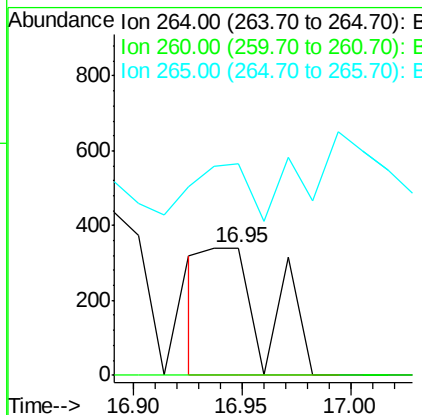
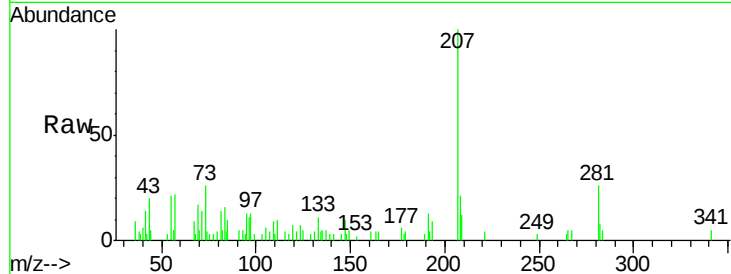




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.95 min Scan# 1379
Delta R.T. -0.15 min
Lab File: BF079973.D
Acq: 13 Jun 2015 12:05

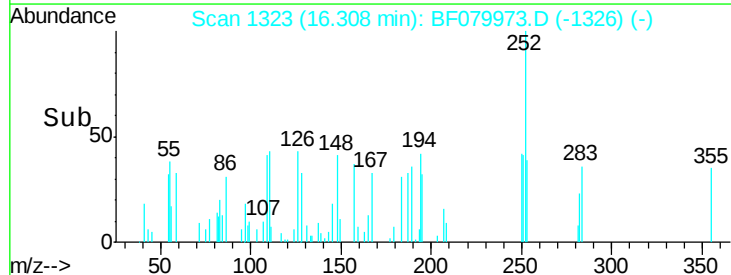
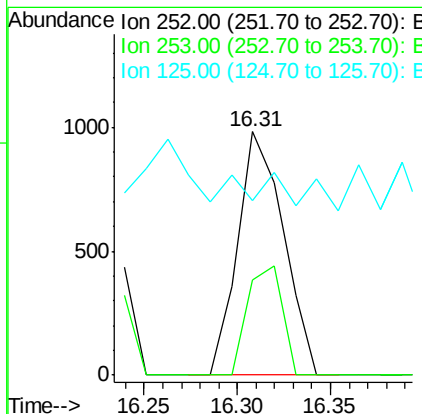
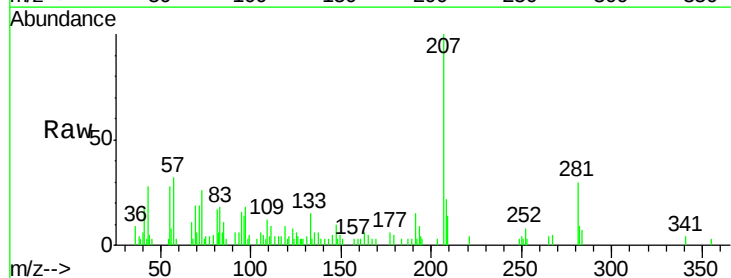
Instrument :
BNA_F
ClientSampleId :
D1(CRUSHED-STONE)

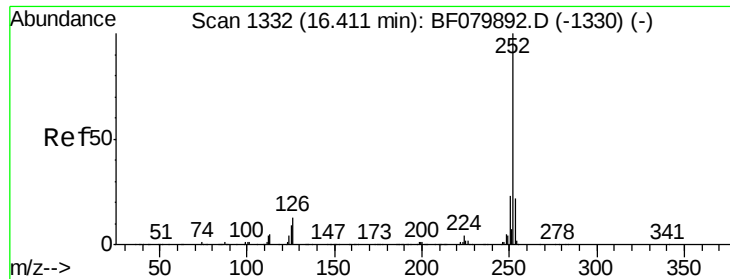
Tgt Ion: 264 Resp: 683
Ion Ratio Lower Upper
264 100
260 0.0 19.3 28.9#
265 166.5 17.0 25.6#



#87
Benzo(b)fluoranthene
Concen: 39.93 ng
RT: 16.31 min Scan# 1323
Delta R.T. -0.23 min
Lab File: BF079973.D
Acq: 13 Jun 2015 12:05

Tgt Ion: 252 Resp: 1671
Ion Ratio Lower Upper
252 100
253 38.9 17.8 26.6#
125 71.5 6.5 9.7#

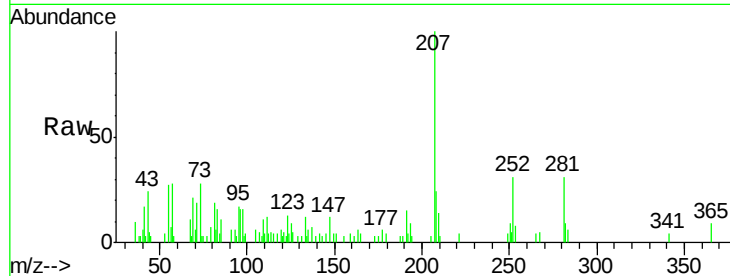




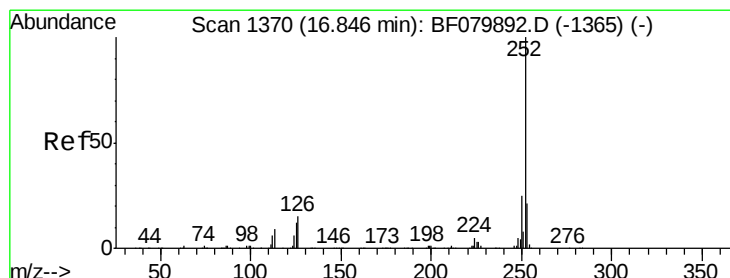
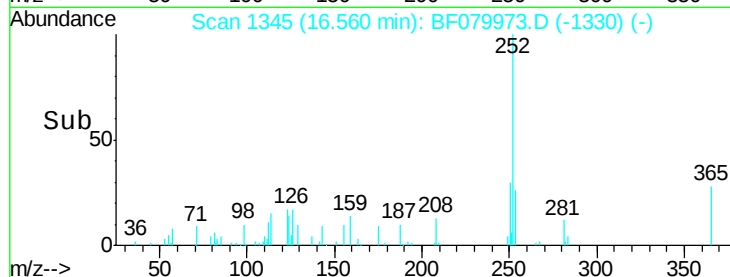
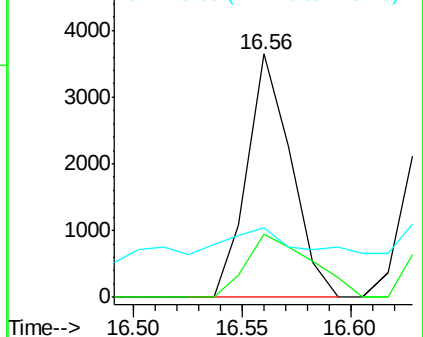
#88
Benzo(k)fluoranthene
Concen: 120.83 ng
RT: 16.56 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BF079973.D
Acq: 13 Jun 2015 12:05

Instrument :
BNA_F
ClientSampleId :
D1(CRUSHED-STONE)

Tgt Ion: 252 Resp: 5157
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.2
125 28.6 7.4 11.0#

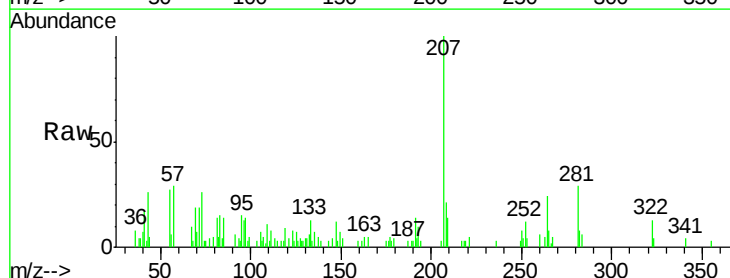


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

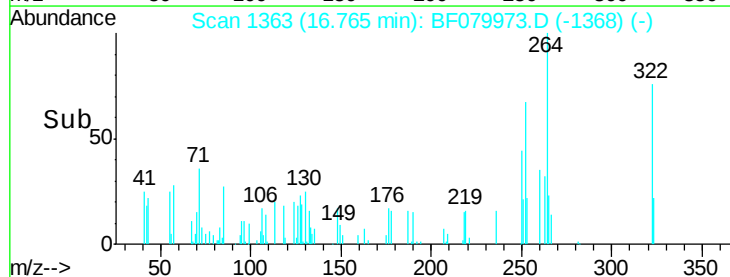
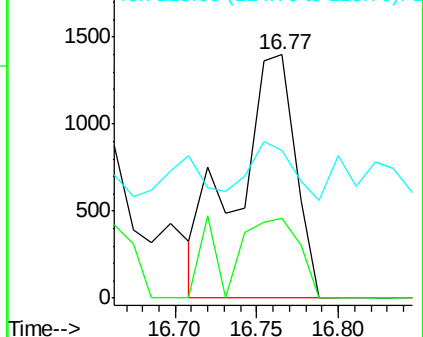


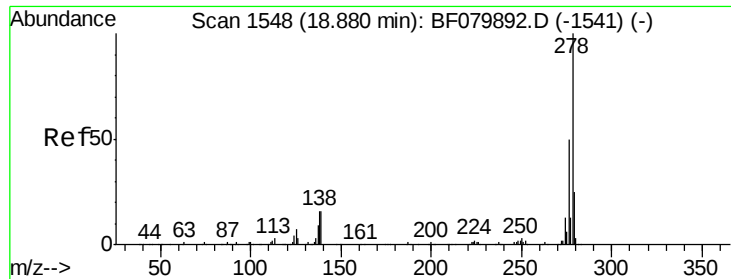
#89
Benzo(a)pyrene
Concen: 87.56 ng
RT: 16.77 min Scan# 1363
Delta R.T. -0.25 min
Lab File: BF079973.D
Acq: 13 Jun 2015 12:05

Tgt Ion: 252 Resp: 3485
Ion Ratio Lower Upper
252 100
253 33.0 17.0 25.6#
125 60.6 9.7 14.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 12.32 ng

RT: 18.91 min Scan# 1551

Delta R.T. -0.13 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

Instrument :

BNA_F

ClientSampleId :

D1(CRUSHED-STONE)

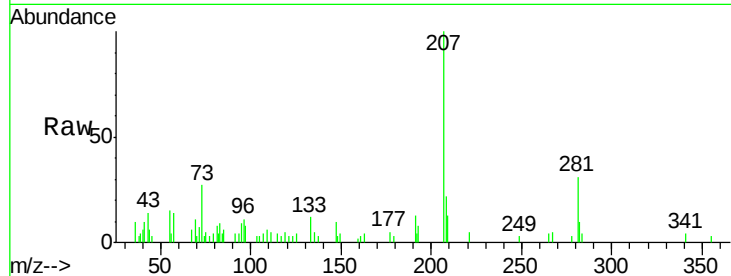
Tgt Ion: 278 Resp: 482

Ion Ratio Lower Upper

278 100

139 0.0 12.8 19.2#

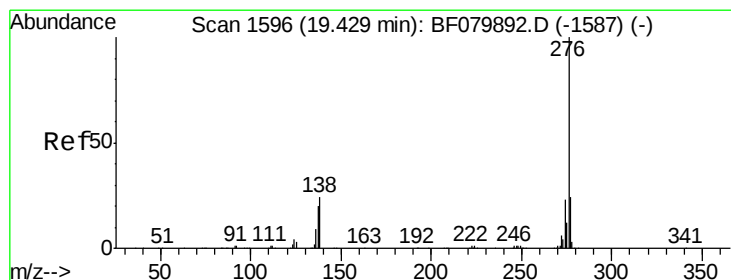
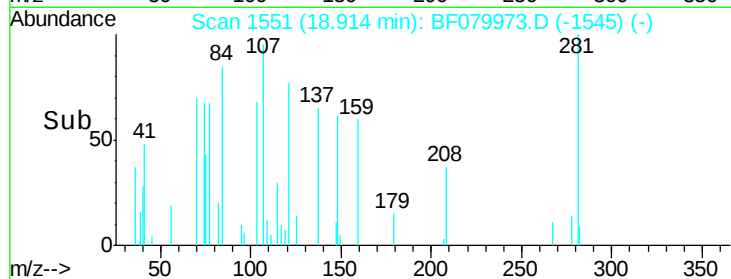
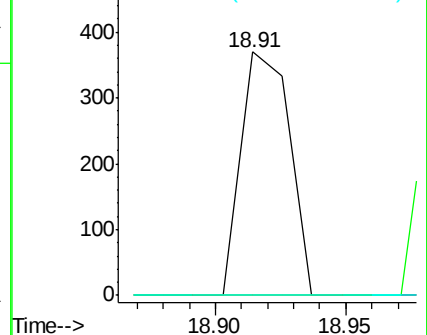
279 0.0 19.7 29.5#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.95 ng

RT: 19.46 min Scan# 1599

Delta R.T. -0.13 min

Lab File: BF079973.D

Acq: 13 Jun 2015 12:05

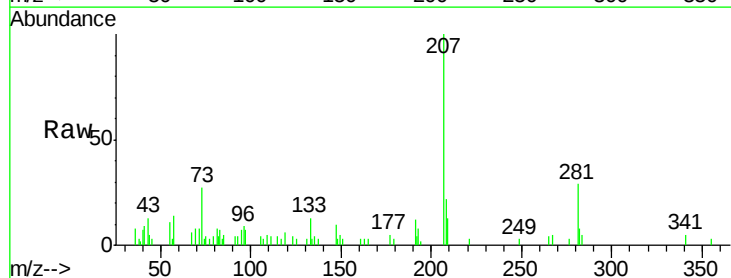
Tgt Ion: 276 Resp: 241

Ion Ratio Lower Upper

276 100

277 0.0 19.4 29.2#

138 0.0 19.1 28.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

