

Data Path : Z:\HPCHEM1\BNA_F\Data\BF021815\
 Data File : BF077356.D
 Acq On : 18 Feb 2015 17:09
 Operator : TP/IZ
 Sample : G1233-05
 Misc : S
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VMA4(9.5-10)

Quant Time: Feb 19 02:44:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 09:51:00 2015
 Response via : Initial Calibration

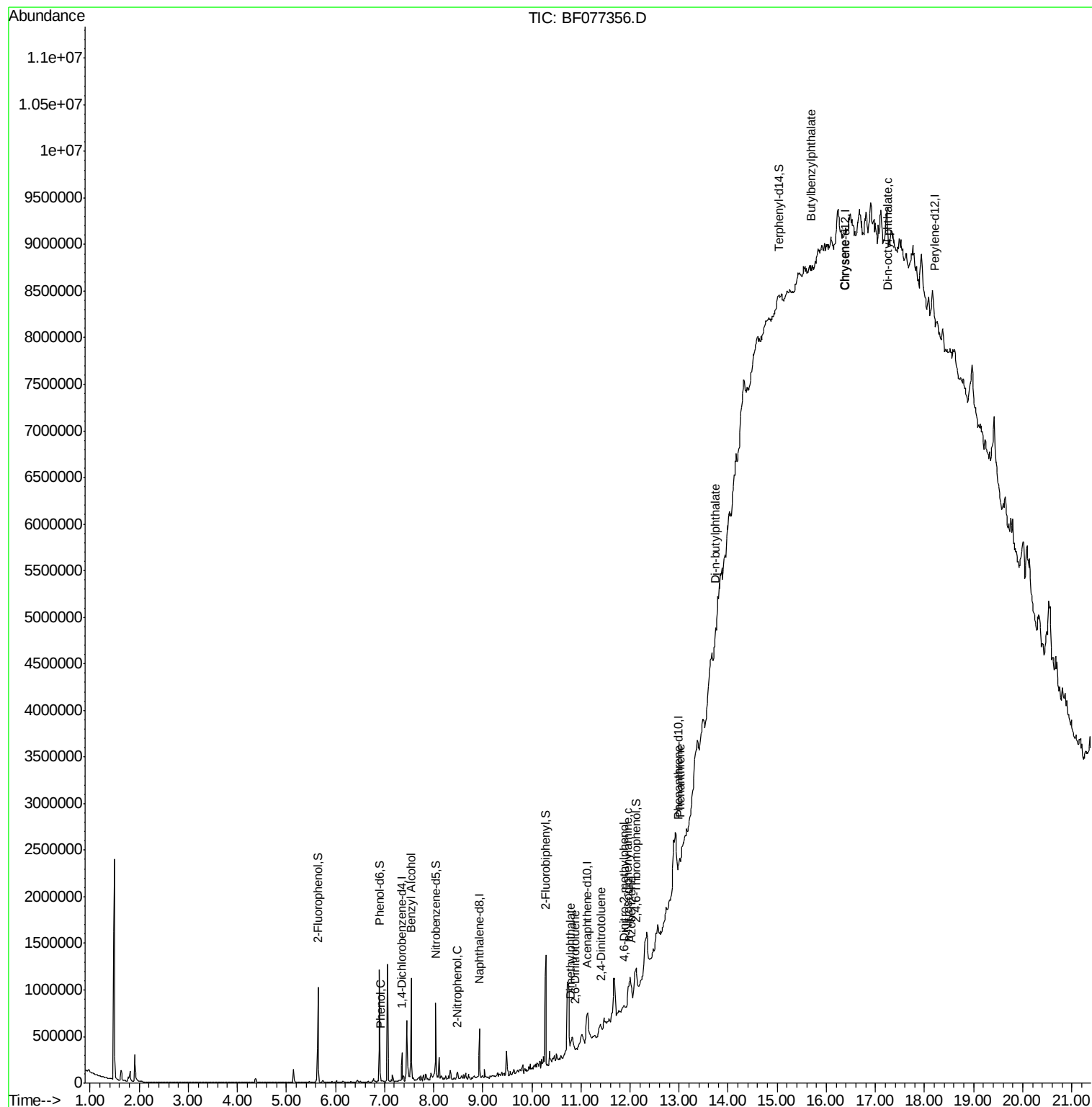
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	55399	20.00	ng	-0.02
21) Naphthalene-d8	8.93	136	225005	20.00	ng	-0.02
38) Acenaphthene-d10	11.13	164	109383	20.00	ng	-0.01
63) Phenanthrene-d10	12.99	188	206714	20.00	ng	0.01
75) Chrysene-d12	16.39	240	69163	20.00	ng	0.11
86) Perylene-d12	18.20	264	97111	20.00	ng	0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	310299	95.72	ng	-0.02
7) Phenol-d6	6.90	99	409273	96.65	ng	-0.02
23) Nitrobenzene-d5	8.04	82	236879	72.90	ng	-0.02
41) 2,4,6-Tribromophenol	12.12	330	112730	110.83	ng	0.01
44) 2-Fluorobiphenyl	10.28	172	526233	72.53	ng	-0.02
78) Terphenyl-d14	15.03	244	151627	49.84	ng	0.05
Target Compounds						
10) Phenol	6.91	94	11555	2.35	ng	Qvalue 93
15) Benzyl Alcohol	7.54	79	6527	2.03	ng	# 48
26) 2-Nitrophenol	8.49	139	207	2.78	ng	# 1
49) Dimethylphthalate	10.79	163	43833	5.82	ng	# 93
50) 2,6-Dinitrotoluene	10.88	165	2256	3.29	ng	# 34
56) 2,4-Dinitrotoluene	11.40	165	2584	4.37	ng	# 72
62) Azobenzene	12.03	77	46842	6.03	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.87	198	420	7.42	ng	# 1
65) n-Nitrosodiphenylamine	11.96	169	25570	3.79	ng	# 81
70) Phenanthrene	13.03	178	41877	3.49	ng	# 5
73) Di-n-butylphthalate	13.75	149	27493	2.13	ng	# 37
79) Butylbenzylphthalate	15.69	149	2584	2.24	ng	# 44
82) Chrysene	16.36	228	9201	2.42	ng	# 1
84) Di-n-octyl phthalate	17.24	149	7330	2.78	ng	# 1

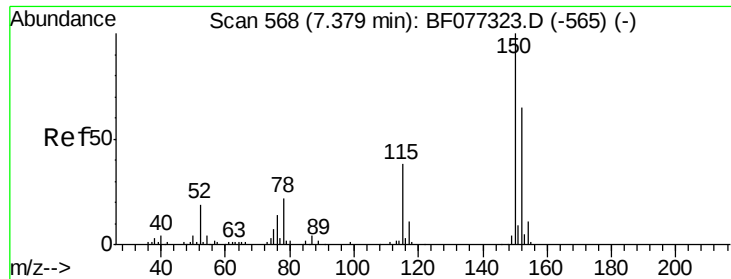
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.36 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_F

ClientSampleId :

VMA4(9.5-10)

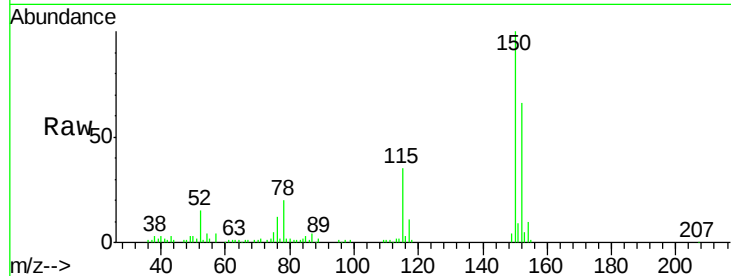
Tgt Ion:152 Resp: 55399

Ion Ratio Lower Upper

152 100

150 151.8 123.1 184.7

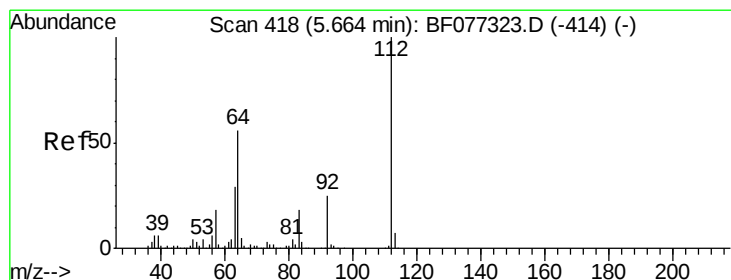
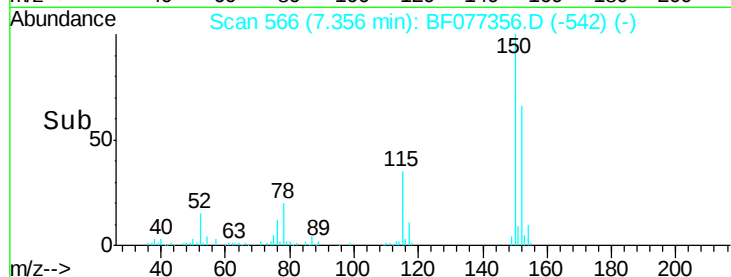
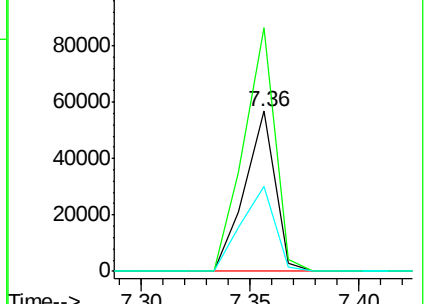
115 52.6 46.2 69.4



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: 95.72 ng

RT: 5.64 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

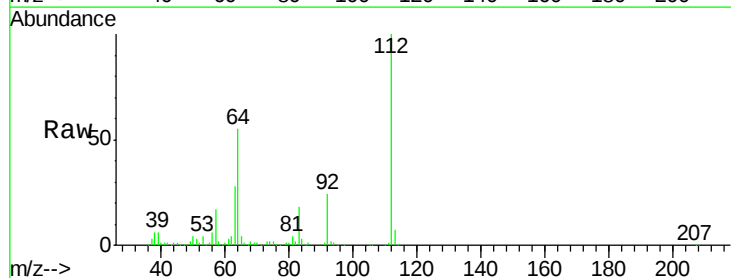
Tgt Ion:112 Resp: 310299

Ion Ratio Lower Upper

112 100

64 55.4 44.7 67.1

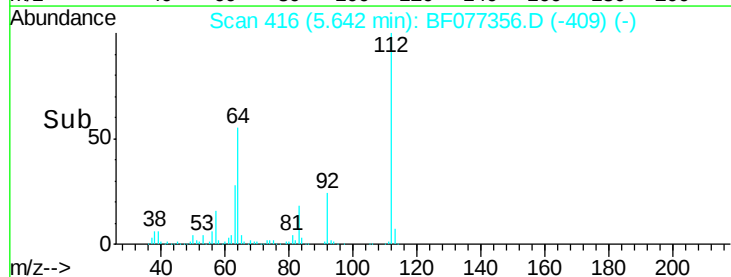
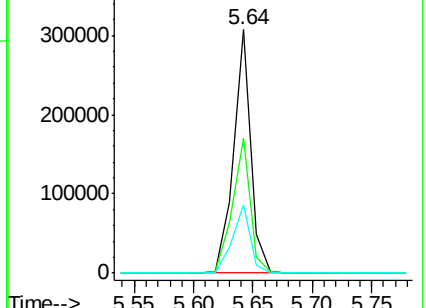
63 28.2 23.3 34.9

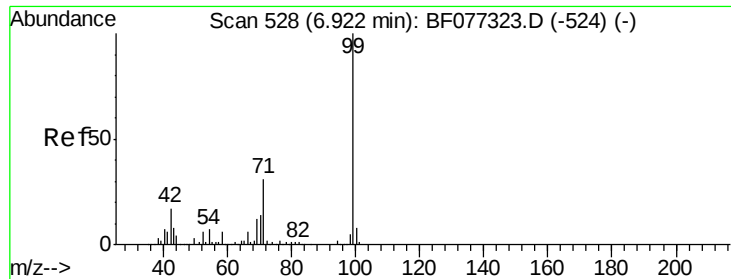


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.65 ng

RT: 6.90 min Scan# 526

Delta R.T. -0.02 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_F

ClientSampleId :

VMA4(9.5-10)

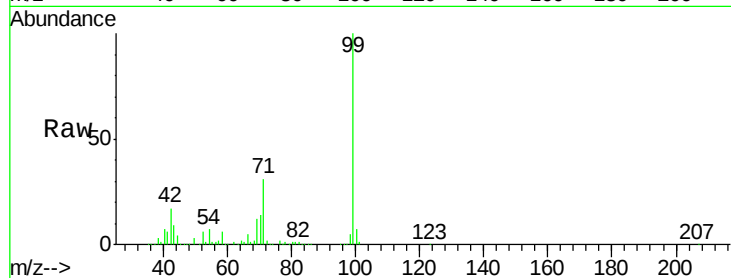
Tgt Ion: 99 Resp: 409273

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.6

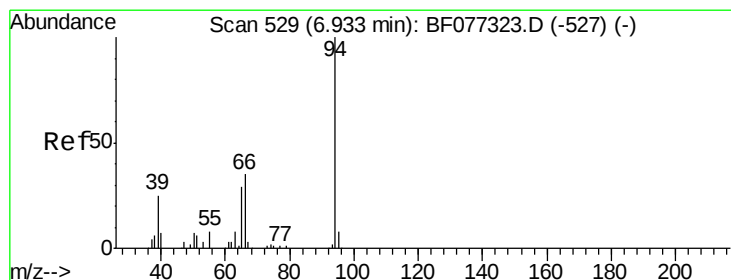
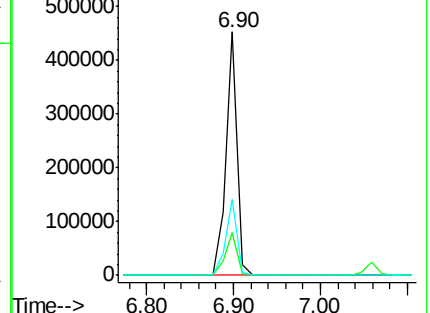
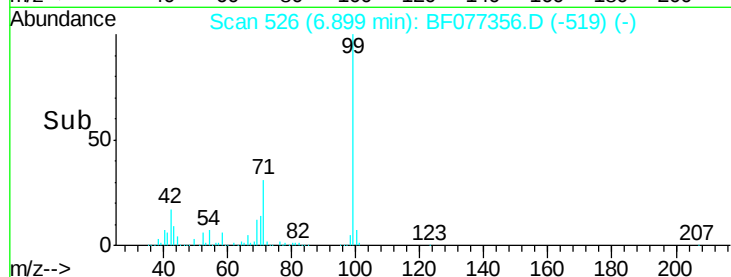
71 31.2 24.6 37.0



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: 2.35 ng

RT: 6.91 min Scan# 527

Delta R.T. -0.02 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

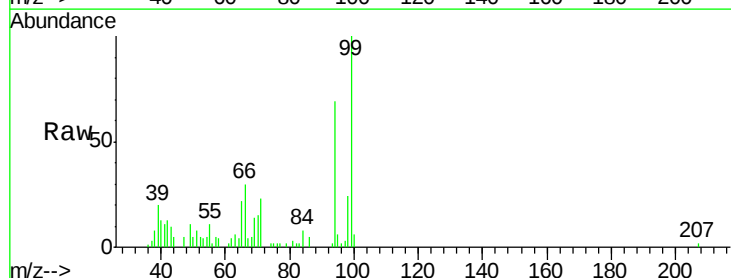
Tgt Ion: 94 Resp: 11555

Ion Ratio Lower Upper

94 100

65 32.0 9.3 49.3

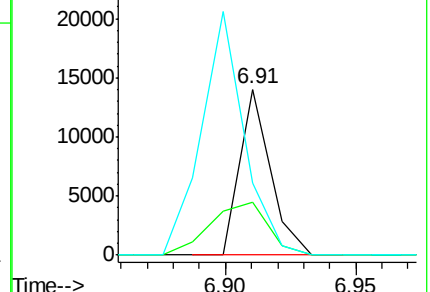
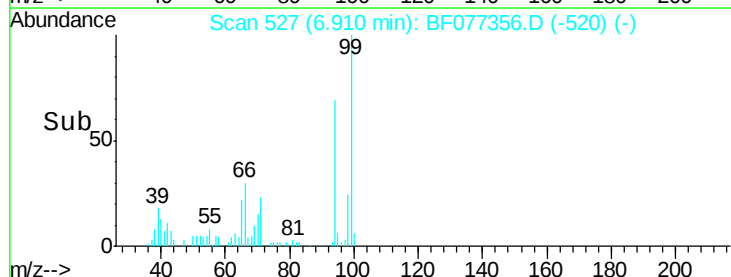
66 43.8 18.3 58.3

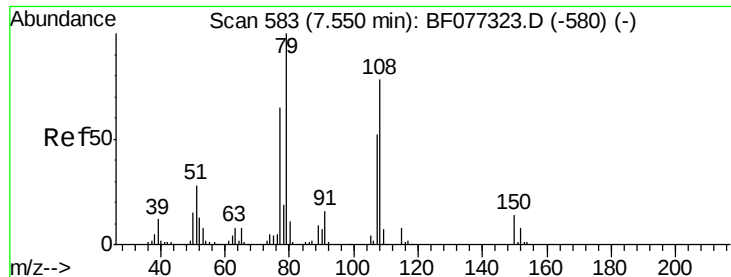


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 7.54 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_F

ClientSampleId :

VMA4(9.5-10)

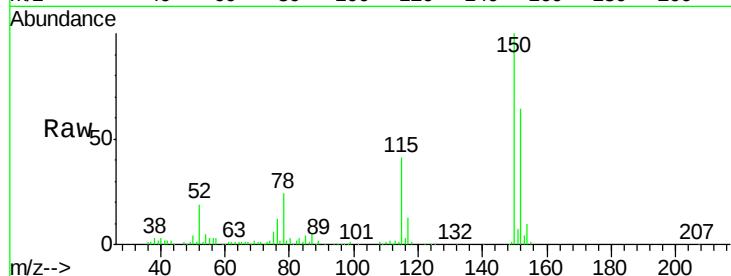
Tgt Ion: 79 Resp: 6527

Ion Ratio Lower Upper

79 100

108 30.5 62.0 93.0#

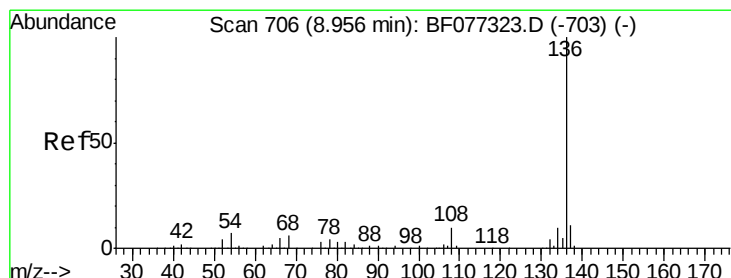
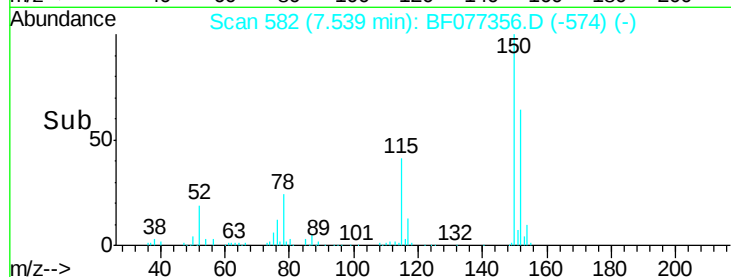
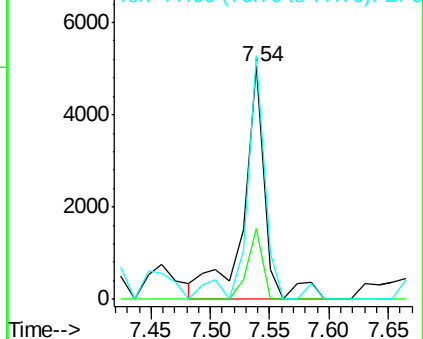
77 104.5 52.0 78.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.93 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Tgt Ion: 136 Resp: 225005

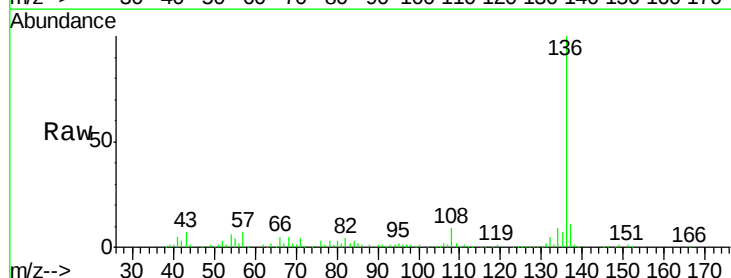
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.4 5.8 8.6

68 5.4 4.6 6.8

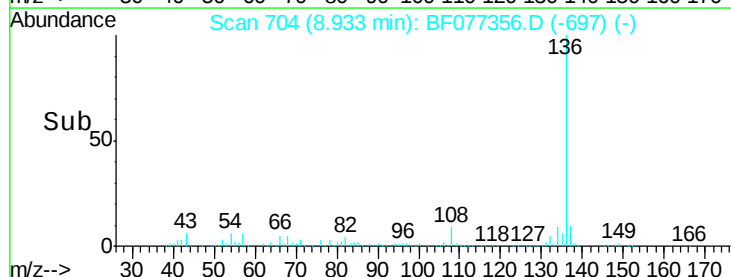
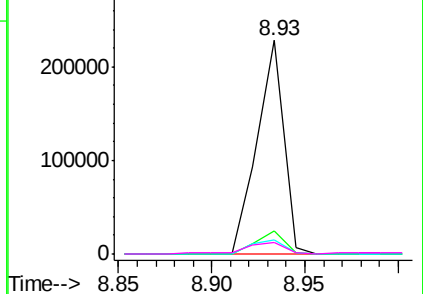


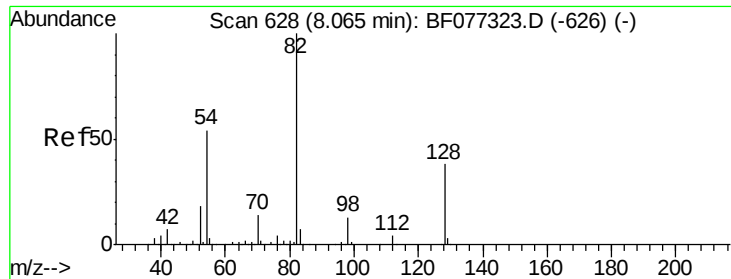
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

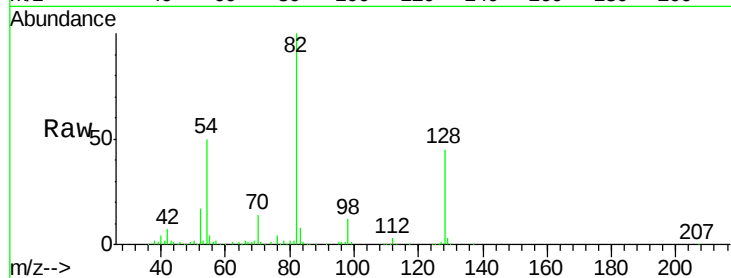




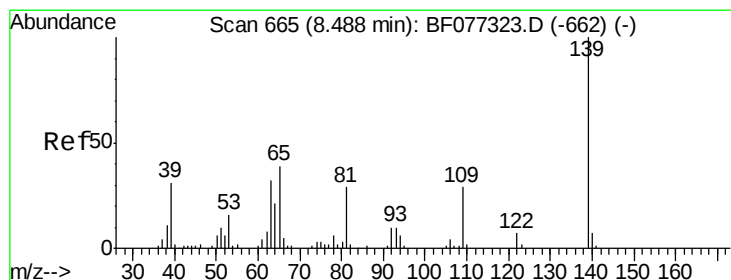
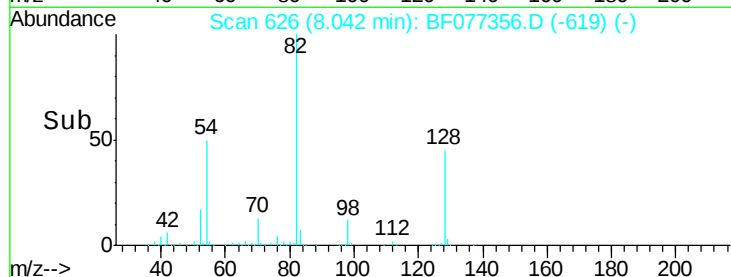
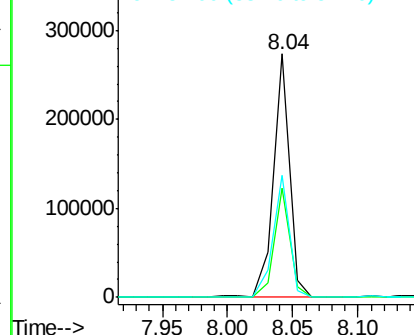
#23
Nitrobenzene-d5
Concen: 72.90 ng
RT: 8.04 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF077356.D
Acq: 18 Feb 2015 17:09

Instrument :
BNA_F
ClientSampleId :
VMA4(9.5-10)

Tgt Ion: 82 Resp: 236879
Ion Ratio Lower Upper
82 100
128 44.9 30.7 46.1
54 50.1 43.1 64.7

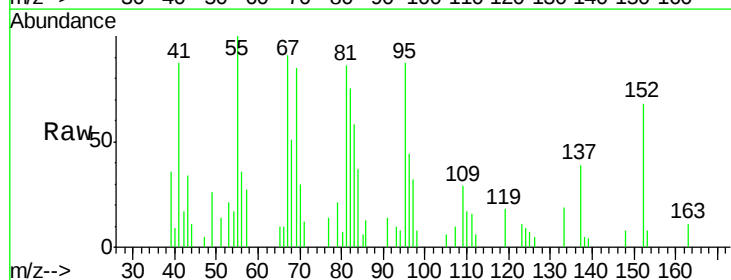


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

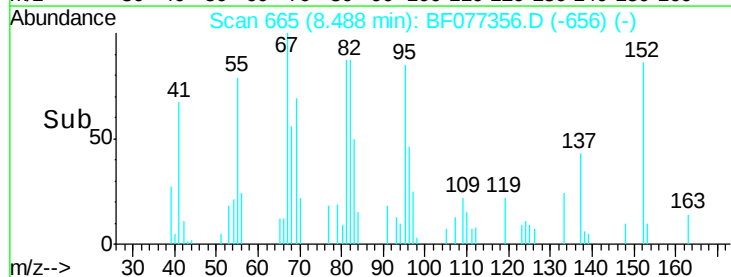
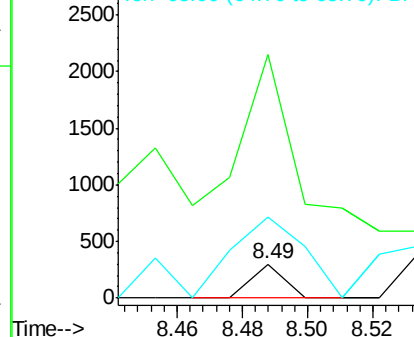


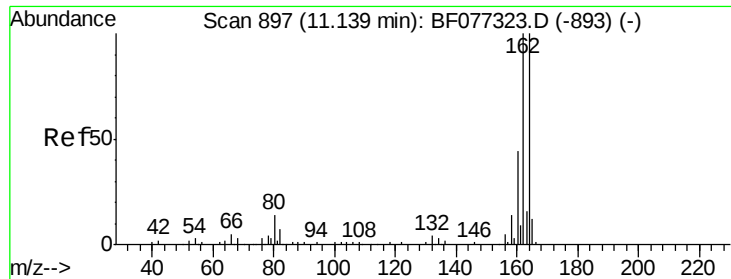
#26
2-Nitrophenol
Concen: 2.78 ng
RT: 8.49 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF077356.D
Acq: 18 Feb 2015 17:09

Tgt Ion: 139 Resp: 207
Ion Ratio Lower Upper
139 100
109 712.3 22.9 34.3#
65 236.1 31.4 47.2#



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

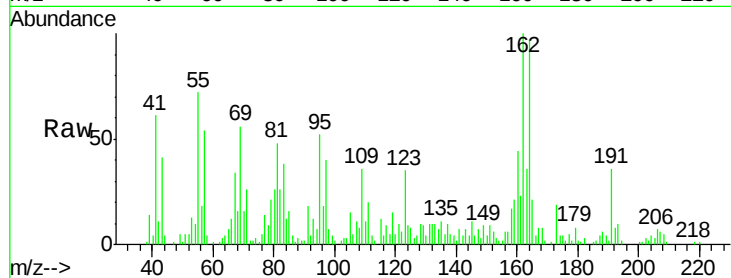




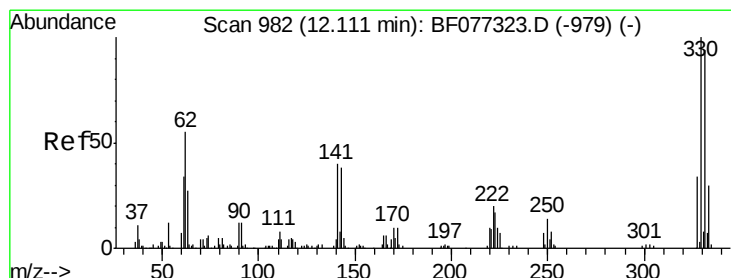
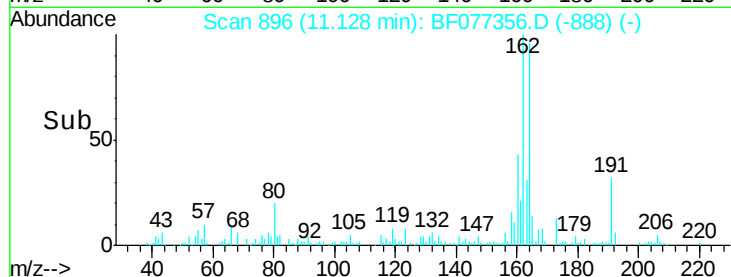
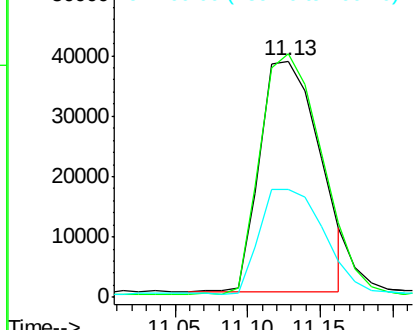
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF077356.D
 Acq: 18 Feb 2015 17:09

Instrument :
 BNA_F
 ClientSampleId :
 VMA4(9.5-10)

Tgt Ion:164 Resp: 109383
 Ion Ratio Lower Upper
 164 100
 162 102.9 80.4 120.6
 160 45.6 35.3 52.9

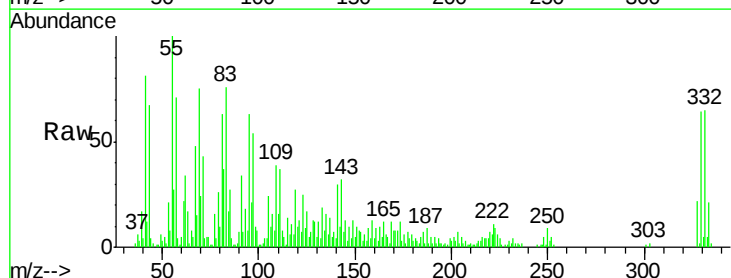


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

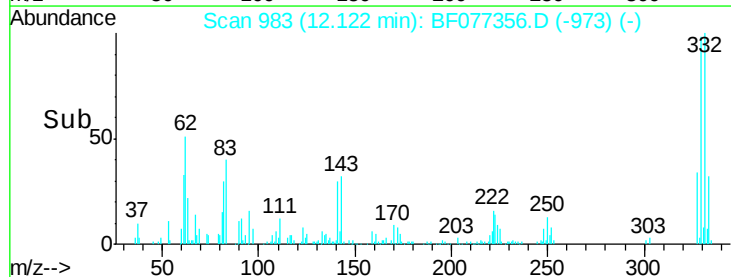
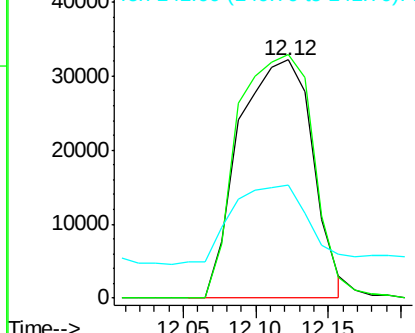


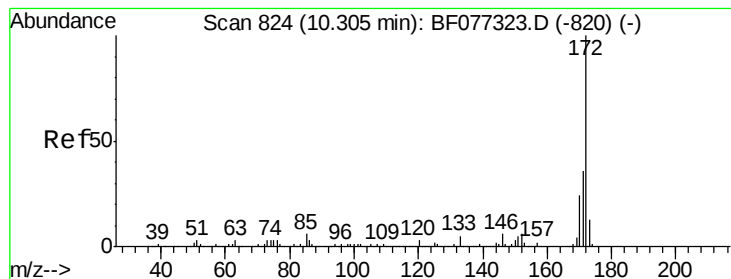
#41
 2,4,6-Tribromophenol
 Concen: 110.83 ng
 RT: 12.12 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: BF077356.D
 Acq: 18 Feb 2015 17:09

Tgt Ion:330 Resp: 112730
 Ion Ratio Lower Upper
 330 100
 332 104.8 76.1 114.1
 141 34.8 28.5 42.7



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

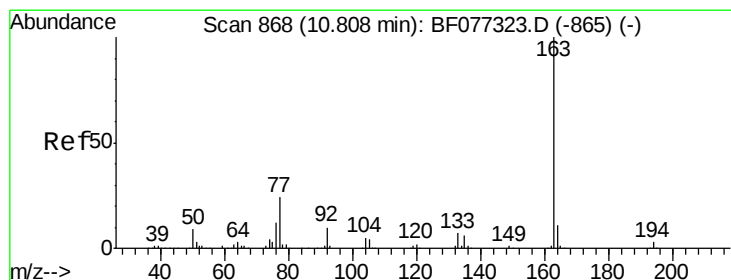
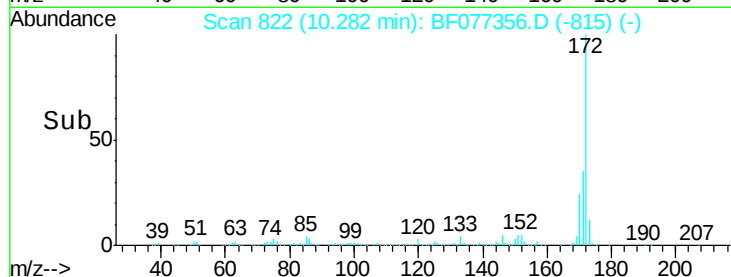
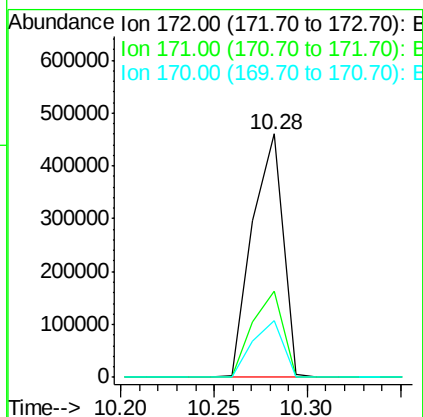
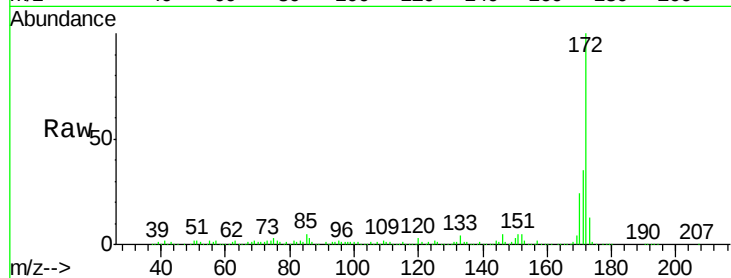




#44
 2-Fluorobiphenyl
 Concen: 72.53 ng
 RT: 10.28 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF077356.D
 Acq: 18 Feb 2015 17:09

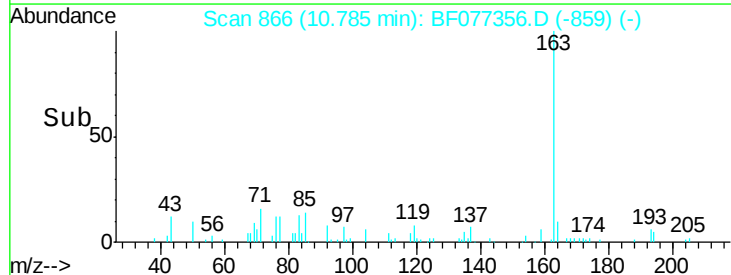
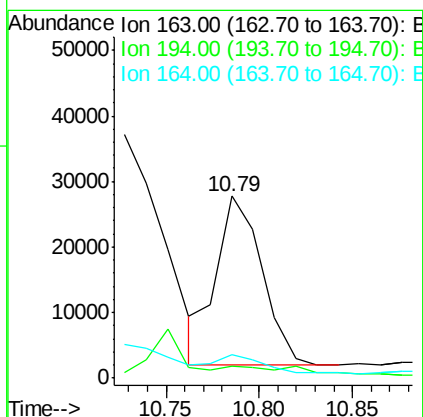
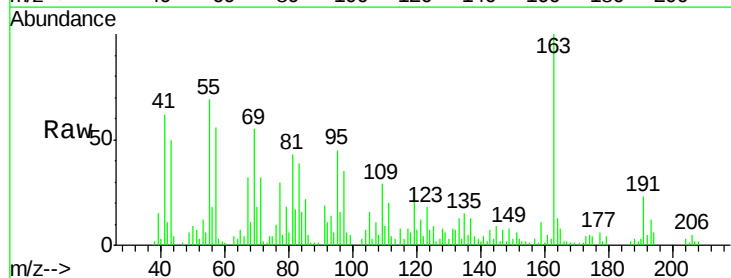
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 VMA4(9.5-10)

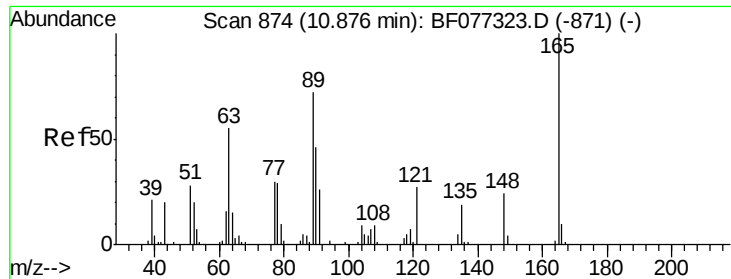
Tgt Ion:172 Resp: 526233
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 23.5 19.4 29.2



#49
 Dimethylphthalate
 Concen: 5.82 ng
 RT: 10.79 min Scan# 866
 Delta R.T. -0.02 min
 Lab File: BF077356.D
 Acq: 18 Feb 2015 17:09

Tgt Ion:163 Resp: 43833
 Ion Ratio Lower Upper
 163 100
 194 6.4 2.6 3.8#
 164 12.7 8.4 12.6#

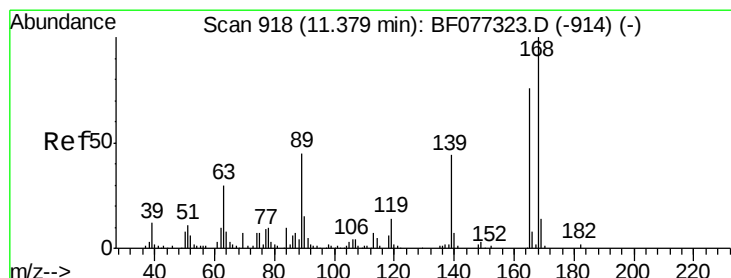
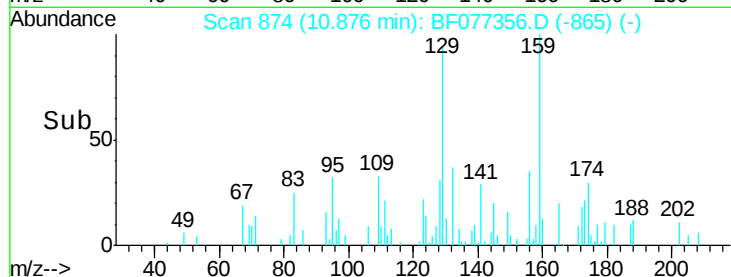
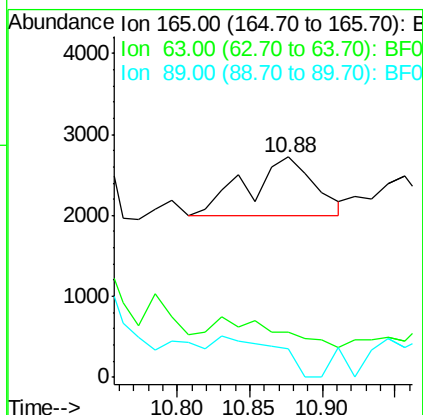
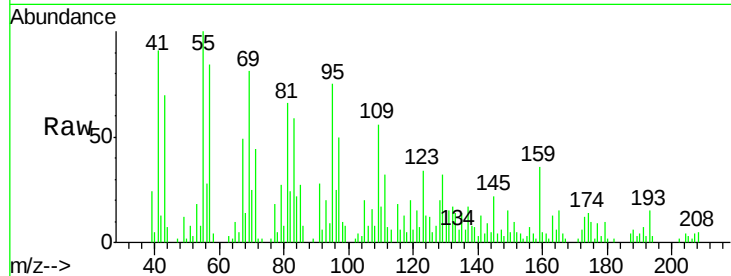




#50
 2,6-Dinitrotoluene
 Concen: 3.29 ng
 RT: 10.88 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: BF077356.D
 Acq: 18 Feb 2015 17:09

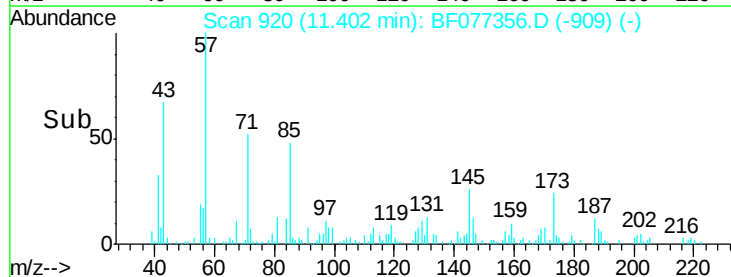
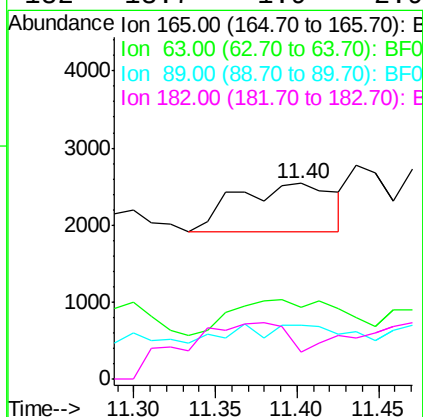
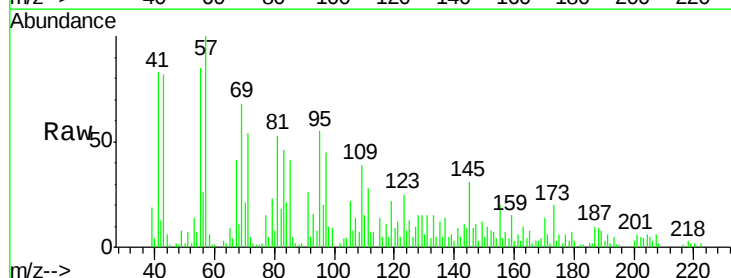
Instrument :
 BNA_F
 ClientSampleId :
 VMA4(9.5-10)

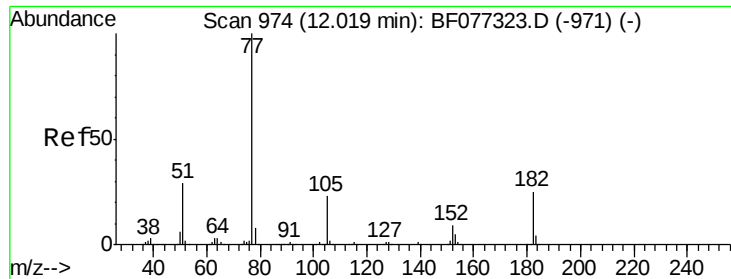
Tgt Ion:165 Resp: 2256
 Ion Ratio Lower Upper
 165 100
 63 20.7 57.2 85.8#
 89 13.1 57.8 86.6#



#56
 2,4-Dinitrotoluene
 Concen: 4.37 ng
 RT: 11.40 min Scan# 920
 Delta R.T. 0.02 min
 Lab File: BF077356.D
 Acq: 18 Feb 2015 17:09

Tgt Ion:165 Resp: 2584
 Ion Ratio Lower Upper
 165 100
 63 36.5 31.6 47.4
 89 27.8 48.1 72.1#
 182 13.7 1.9 2.9#





#62

Azobenzene

Concen: 6.03 ng

RT: 12.03 min Scan# 975

Delta R.T. 0.01 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_F

ClientSampleId :

VMA4(9.5-10)

Tgt Ion: 77 Resp: 46842

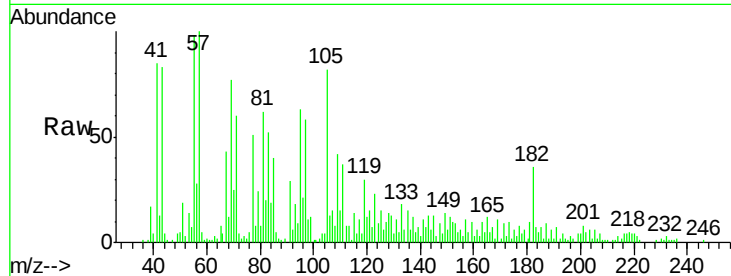
Ion Ratio Lower Upper

77 100

182 69.9 5.0 45.0#

105 161.6 3.3 43.3#

51 37.1 9.1 49.1

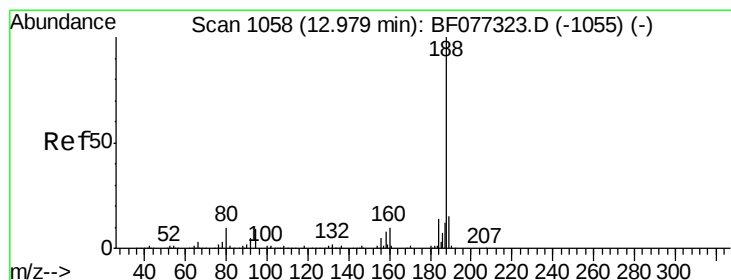
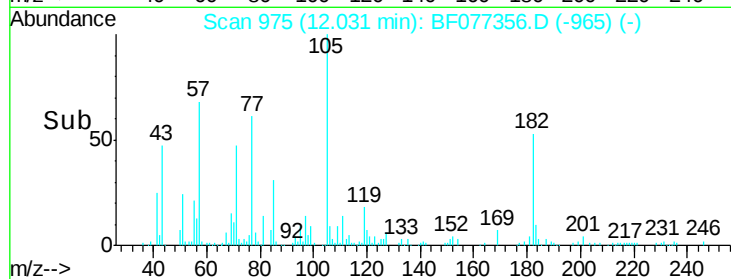
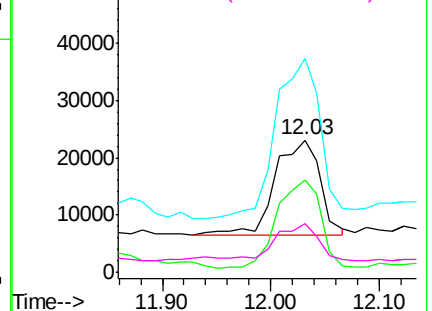


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.99 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

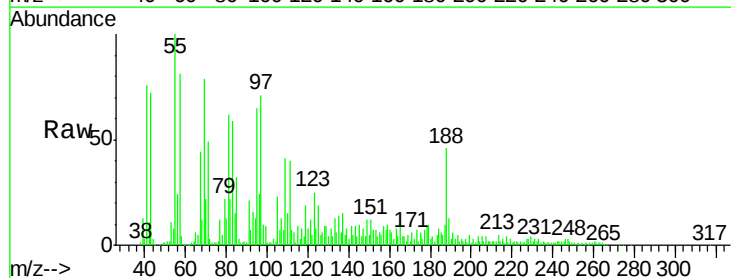
Tgt Ion: 188 Resp: 206714

Ion Ratio Lower Upper

188 100

94 27.9 7.2 10.8#

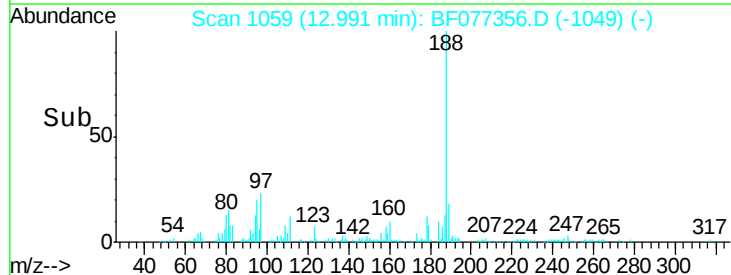
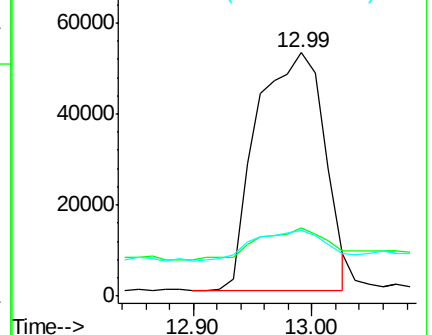
80 27.2 7.8 11.8#

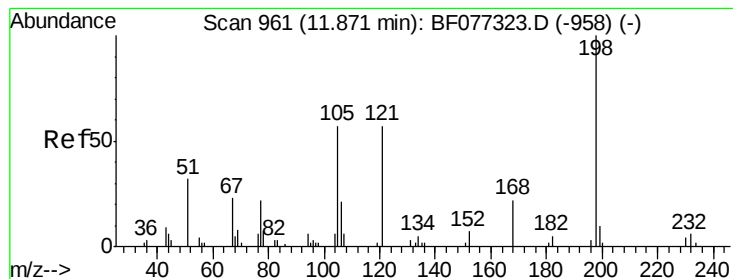


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.42 ng

RT: 11.87 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_F

ClientSampleId :

VMA4(9.5-10)

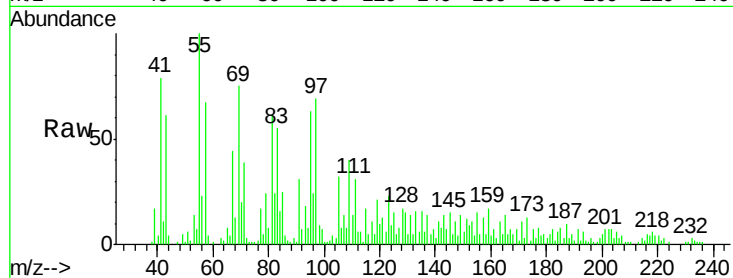
Tgt Ion:198 Resp: 420

Ion Ratio Lower Upper

198 100

51 728.2 54.6 94.6#

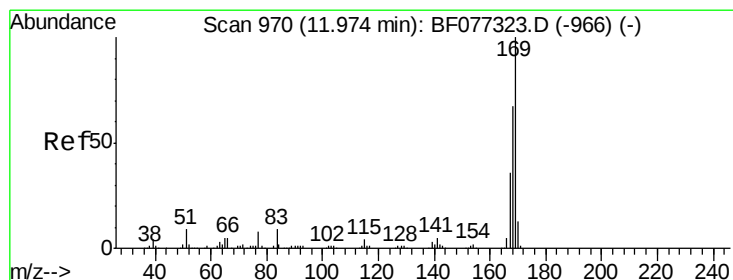
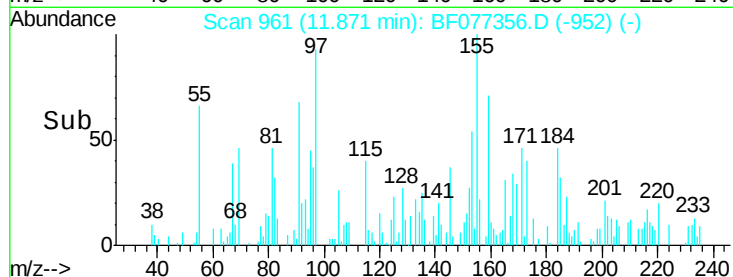
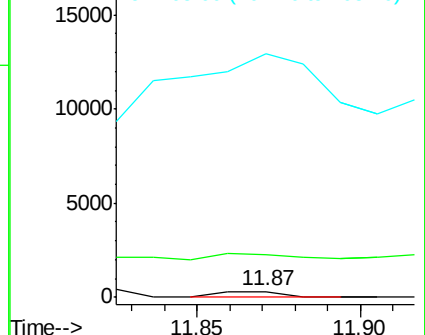
105 4184.5 45.4 85.4#



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



#65

n-Nitrosodiphenylamine

Concen: 3.79 ng

RT: 11.96 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

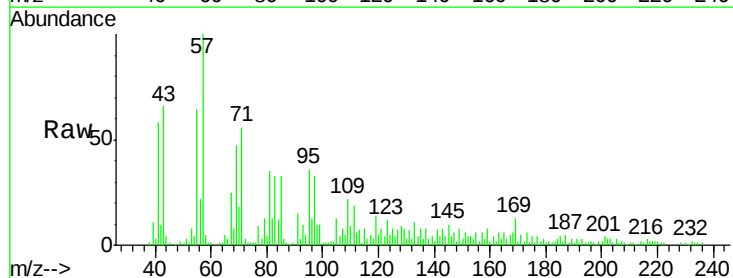
Tgt Ion:169 Resp: 25570

Ion Ratio Lower Upper

169 100

168 45.6 53.4 80.0#

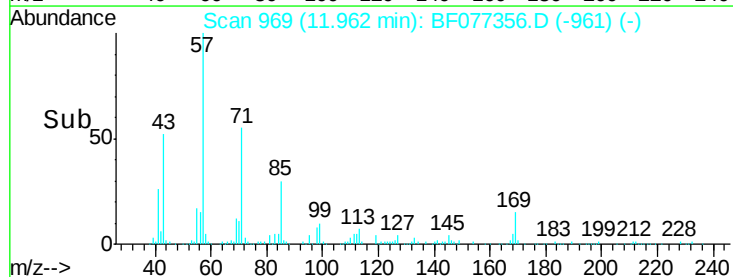
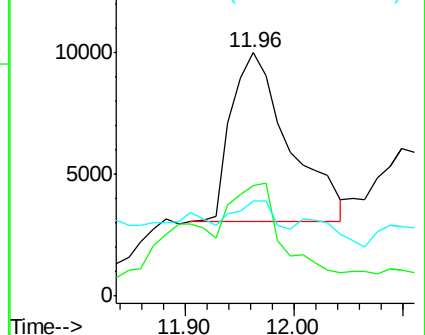
167 38.9 29.1 43.7

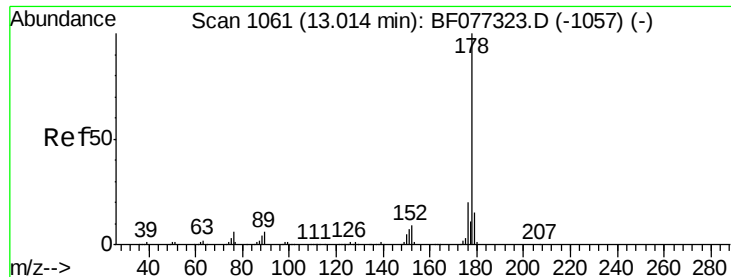


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

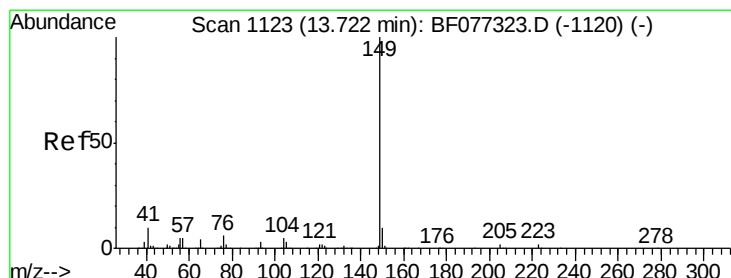
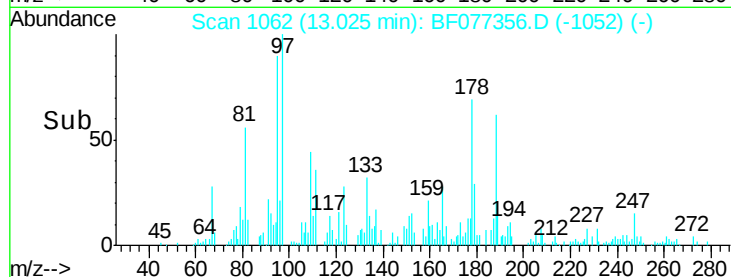
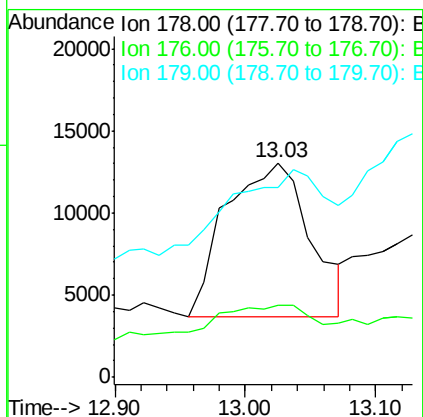
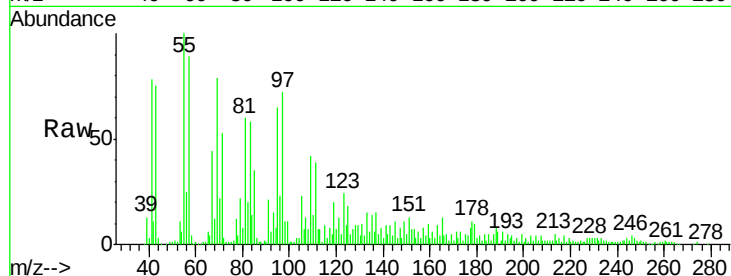




#70
Phenanthrene
Concen: 3.49 ng
RT: 13.03 min Scan# 1062
Delta R.T. 0.01 min
Lab File: BF077356.D
Acq: 18 Feb 2015 17:09

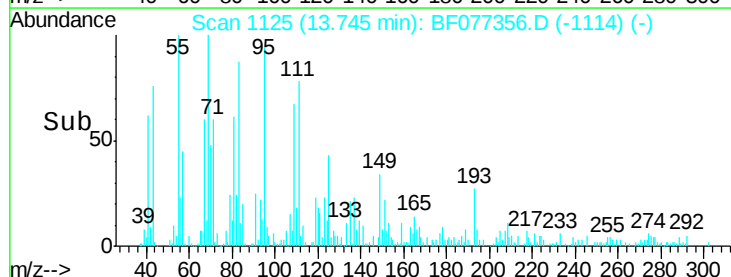
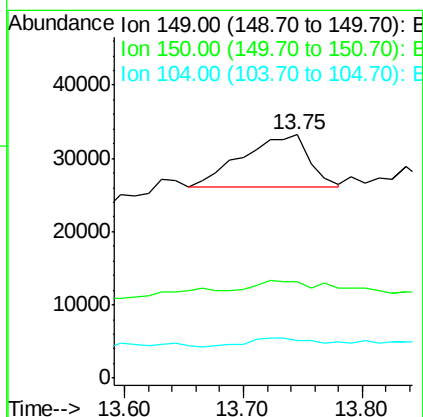
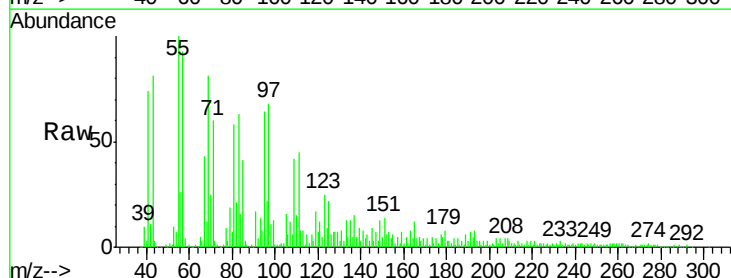
Instrument :
BNA_F
ClientSampleId :
VMA4(9.5-10)

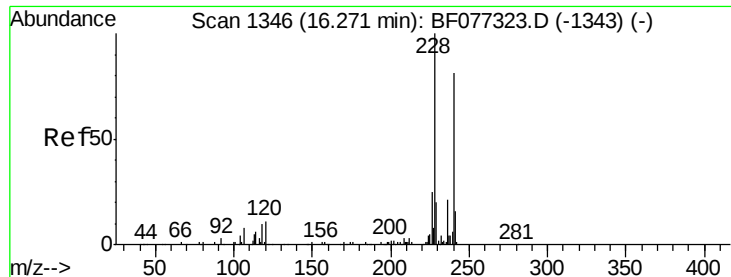
Tgt Ion:178 Resp: 41877
Ion Ratio Lower Upper
178 100
176 33.9 15.6 23.4#
179 88.5 12.3 18.5#



#73
Di-n-butylphthalate
Concen: 2.13 ng
RT: 13.75 min Scan# 1125
Delta R.T. 0.02 min
Lab File: BF077356.D
Acq: 18 Feb 2015 17:09

Tgt Ion:149 Resp: 27493
Ion Ratio Lower Upper
149 100
150 39.4 7.7 11.5#
104 15.6 4.3 6.5#

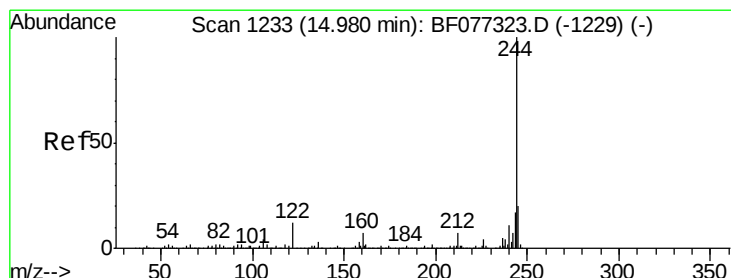
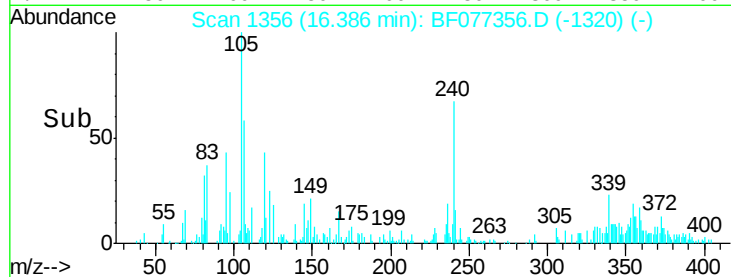
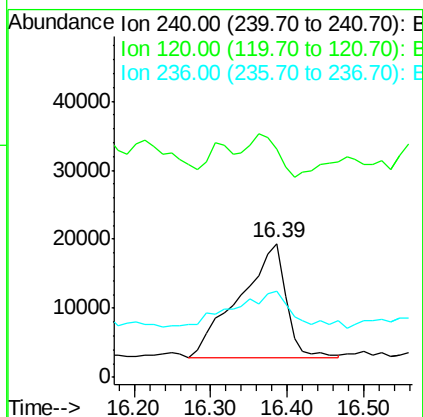
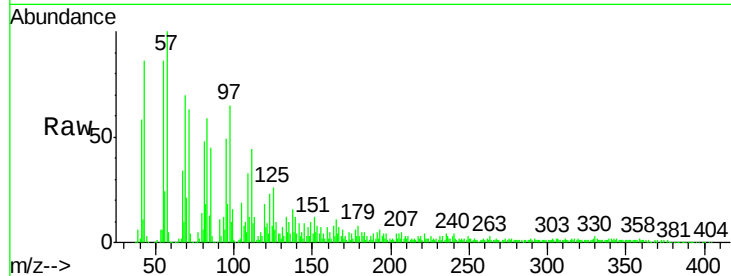




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.39 min Scan# 1356
Delta R.T. 0.11 min
Lab File: BF077356.D
Acq: 18 Feb 2015 17:09

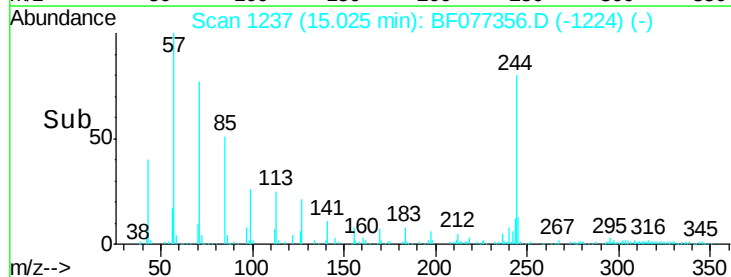
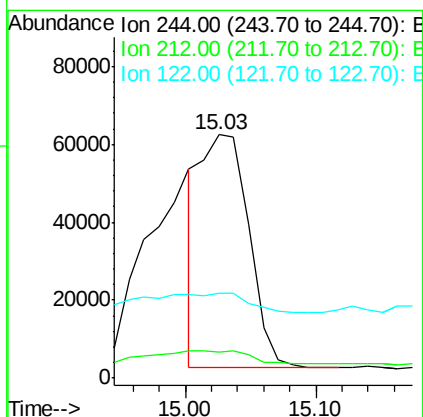
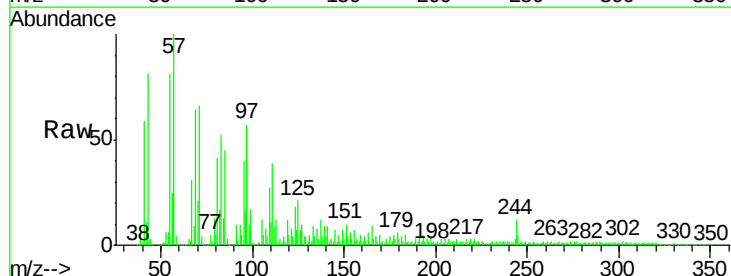
Instrument :
BNA_F
ClientSampleId :
VMA4(9.5-10)

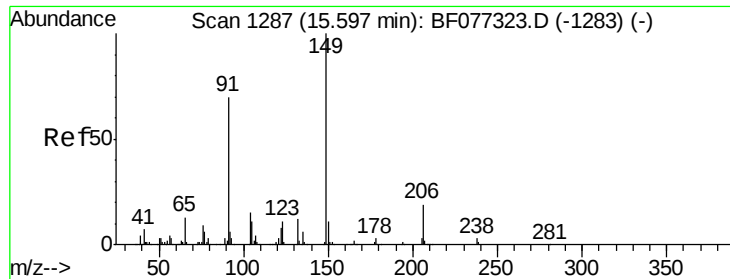
Tgt Ion:240 Resp: 69163
Ion Ratio Lower Upper
240 100
120 171.0 11.3 16.9#
236 64.9 20.3 30.5#



#78
Terphenyl-d14
Concen: 49.84 ng
RT: 15.03 min Scan# 1237
Delta R.T. 0.05 min
Lab File: BF077356.D
Acq: 18 Feb 2015 17:09

Tgt Ion:244 Resp: 151627
Ion Ratio Lower Upper
244 100
212 11.0 5.4 8.0#
122 34.7 9.3 13.9#





#79

Butylbenzylphthalate

Concen: 2.24 ng

RT: 15.69 min Scan# 1295

Delta R.T. 0.09 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_F

ClientSampleId :

VMA4(9.5-10)

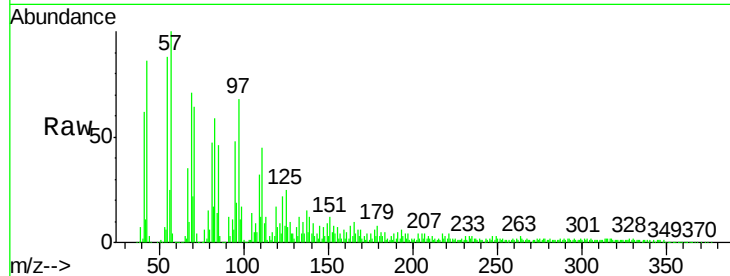
Tgt Ion:149 Resp: 2584

Ion Ratio Lower Upper

149 100

91 127.7 55.9 83.9#

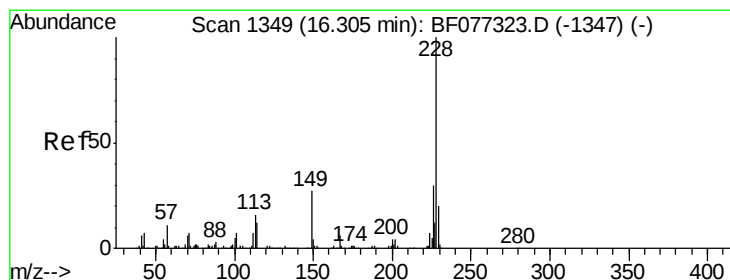
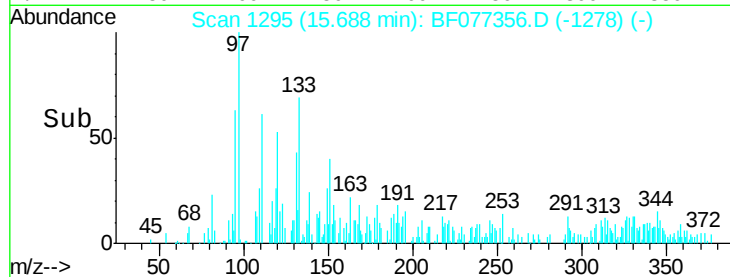
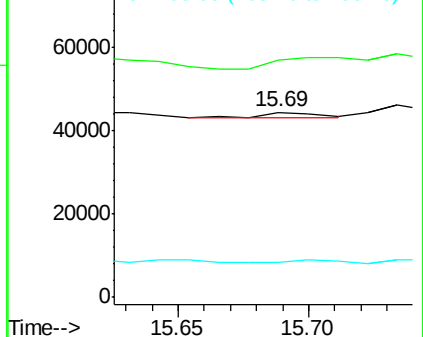
206 18.6 15.4 23.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#82

Chrysene

Concen: 2.42 ng

RT: 16.36 min Scan# 1354

Delta R.T. 0.06 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

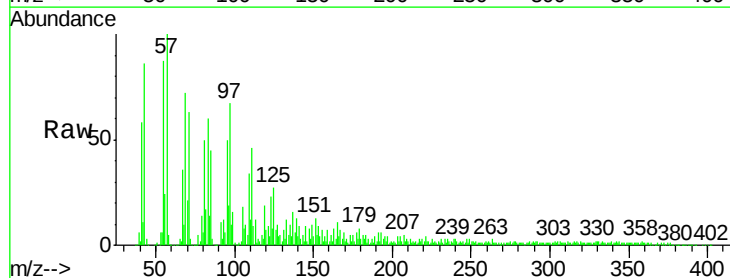
Tgt Ion:228 Resp: 9201

Ion Ratio Lower Upper

228 100

226 86.8 24.2 36.2#

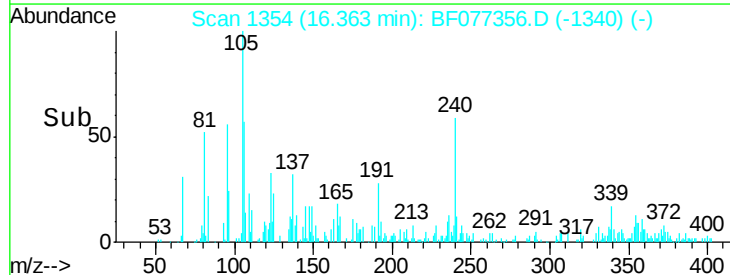
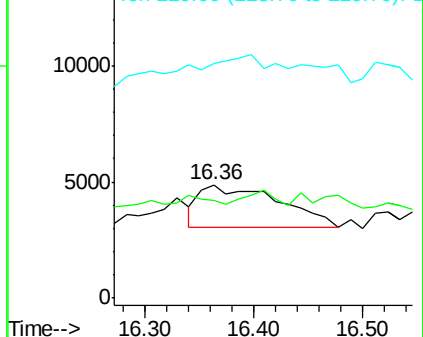
229 207.4 16.2 24.2#

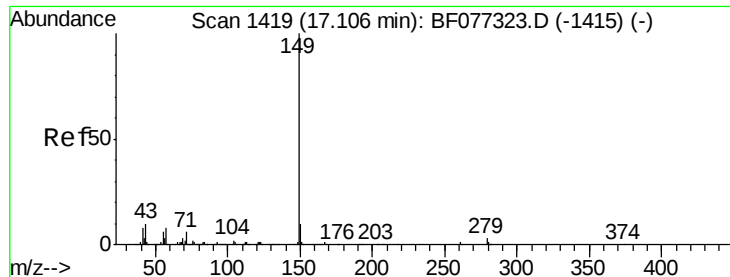


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 2.78 ng

RT: 17.24 min Scan# 1431

Delta R.T. 0.14 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

Instrument :

BNA_F

ClientSampleId :

VMA4(9.5-10)

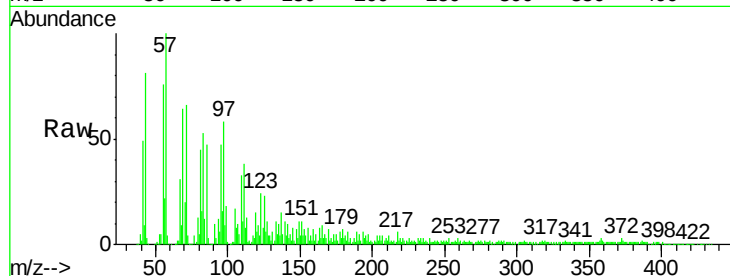
Tgt Ion:149 Resp: 7330

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

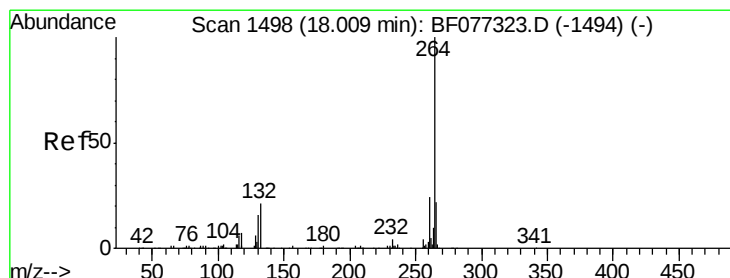
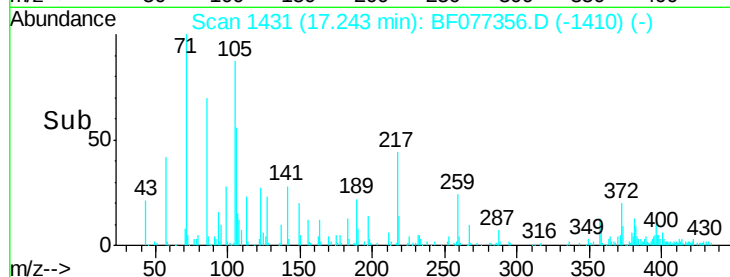
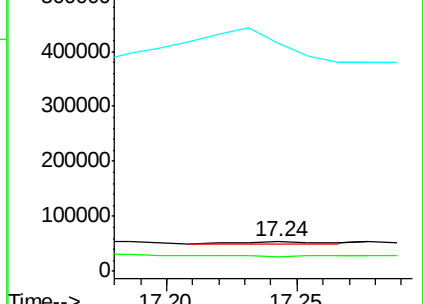
43 2335.9 8.7 13.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.20 min Scan# 1515

Delta R.T. 0.19 min

Lab File: BF077356.D

Acq: 18 Feb 2015 17:09

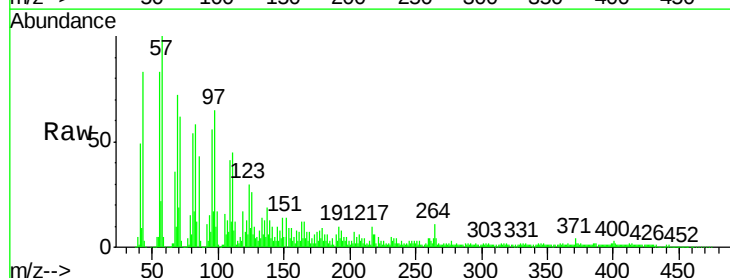
Tgt Ion:264 Resp: 97111

Ion Ratio Lower Upper

264 100

260 34.5 18.9 28.3#

265 35.4 17.7 26.5#



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

