

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022315\
 Data File : BF077403.D
 Acq On : 23 Feb 2015 14:16
 Operator : TP/IZ
 Sample : G1332-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HF-3

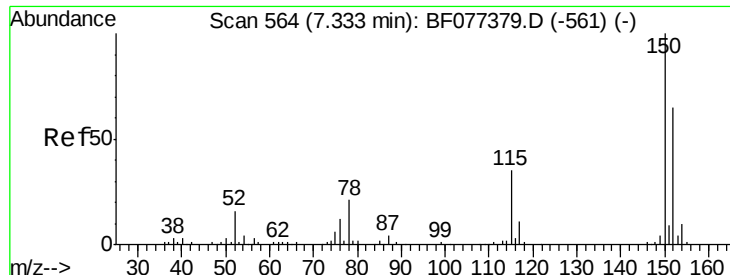
Quant Time: Feb 24 00:09:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 23 23:58:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	76212	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	312086	20.00	ng	0.00
38) Acenaphthene-d10	11.08	164	171992	20.00	ng	-0.01
63) Phenanthrene-d10	12.95	188	296282	20.00	ng	0.01
75) Chrysene-d12	16.24	240	316667	20.00	ng	-0.02
86) Perylene-d12	18.01	264	352797	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	447778	98.09	ng	0.00
7) Phenol-d6	6.88	99	569249	96.98	ng	-0.01
23) Nitrobenzene-d5	8.02	82	351671	70.07	ng	-0.01
41) 2,4,6-Tribromophenol	12.08	330	134399	81.16	ng	0.01
44) 2-Fluorobiphenyl	10.26	172	687455	62.32	ng	0.00
78) Terphenyl-d14	14.93	244	765707	56.53	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.89	94	14083	2.02	ng	# 30
31) Naphthalene	8.94	128	5150000	329.98	ng	# 90
33) 4-Chloroaniline	8.94	127	583435	84.08	ng	# 35
35) Caprolactam	9.47	113	6105	4.40	ng	# 80
37) 2-Methylnaphthalene	9.80	142	3359018	303.07	ng	# 95
47) 2-Nitroaniline	10.49	65	10719	4.26	ng	# 31
48) Acenaphthylene	10.91	152	121931	7.54	ng	# 65
49) Dimethylphthalate	10.76	163	47936	3.97	ng	# 97
51) Acenaphthene	11.14	154	3203481	331.83	ng	# 97
54) Dibenzofuran	11.36	168	4085207	274.07	ng	# 87
55) 4-Nitrophenol	11.23	139	38859	17.28	ng	# 39
56) 2,4-Dinitrotoluene	11.33	165	37479	11.44	ng	# 1
57) Fluorene	11.79	166	4624576	388.07	ng	# 97
61) 4-Nitroaniline	11.79	138	58382	21.79	ng	# 22
62) Azobenzene	11.97	77	76215	6.74	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.87	198	1404	4.81	ng	# 1
65) n-Nitrosodiphenylamine	11.92	169	120804	12.29	ng	# 1
70) Phenanthrene	13.00	178	11193469	651.83	ng	# 85
71) Anthracene	13.05	178	2396839	140.65	ng	# 95
72) Carbazole	13.23	167	826044	50.98	ng	# 97
74) Fluoranthene	14.48	202	6506294	346.85	ng	# 90
77) Pyrene	14.75	202	5651394	291.75	ng	# 90
80) Benzo(a)anthracene	16.23	228	2079377	112.04	ng	# 94
82) Chrysene	16.27	228	1526538	87.60	ng	# 96
87) Benzo(b)fluoranthene	17.55	252	1358525	66.22	ng	# 95
88) Benzo(k)fluoranthene	17.55	252	1370355	68.16	ng	# 99
89) Benzo(a)pyrene	17.94	252	649100	33.22	ng	# 100
90) Dibenzo(a,h)anthracene	19.53	278	59790	3.21	ng	# 93
91) Benzo(g,h,i)perylene	19.94	276	180327	9.59	ng	# 99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF077403.D

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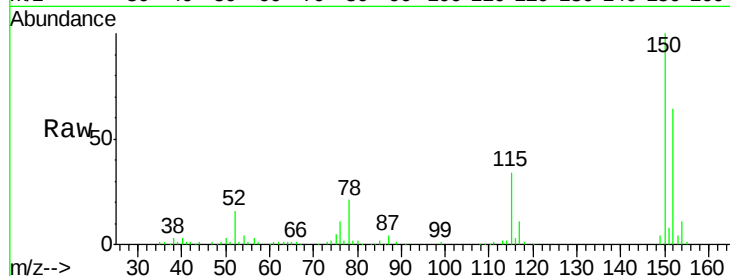
Tgt Ion:152 Resp: 76212

Ion Ratio Lower Upper

152 100

150 155.7 124.0 186.0

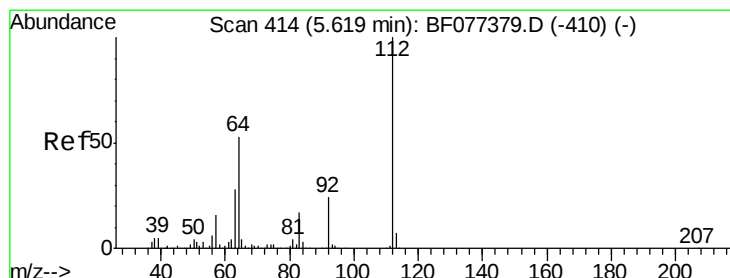
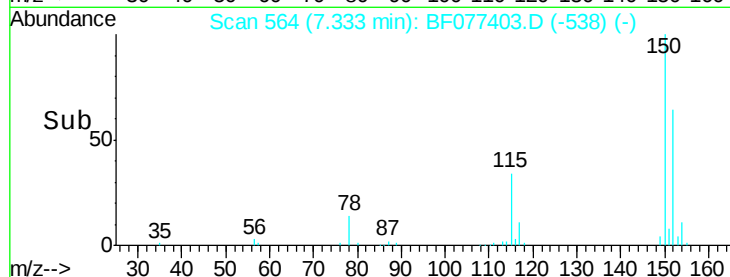
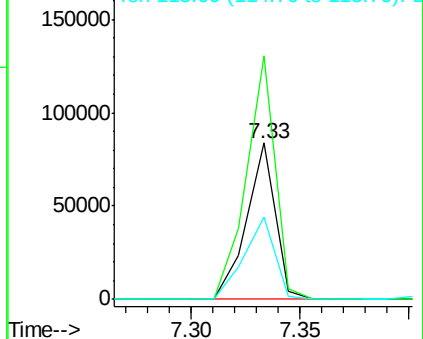
115 53.0 49.4 74.2



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: 98.09 ng

RT: 5.62 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

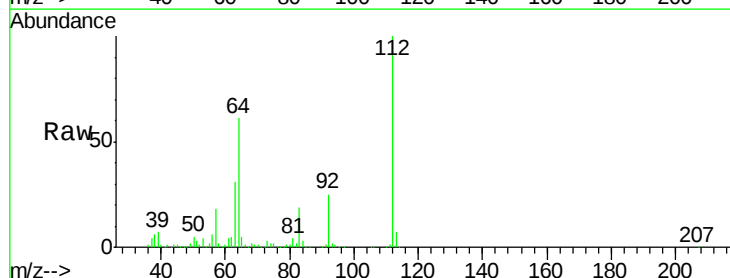
Tgt Ion:112 Resp: 447778

Ion Ratio Lower Upper

112 100

64 61.1 48.5 72.7

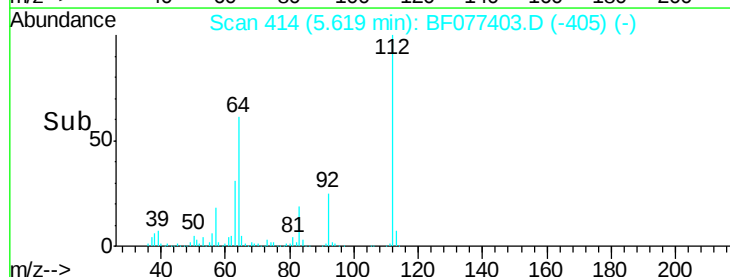
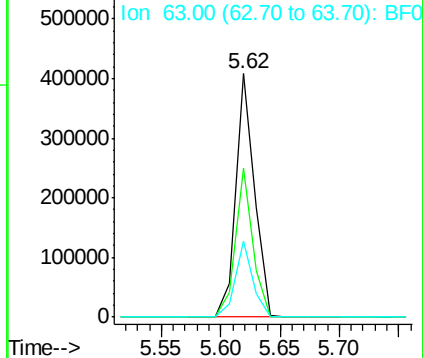
63 31.4 25.0 37.4

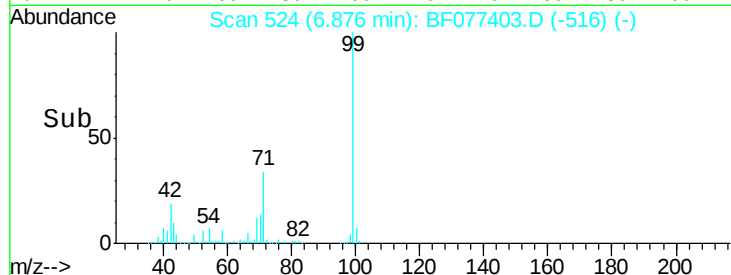
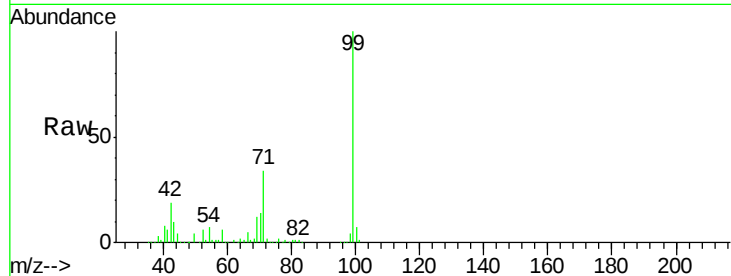
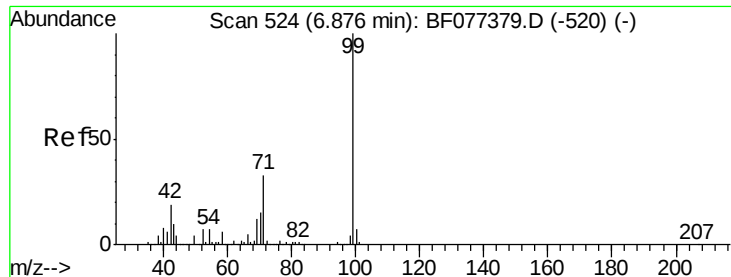


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.98 ng

RT: 6.88 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

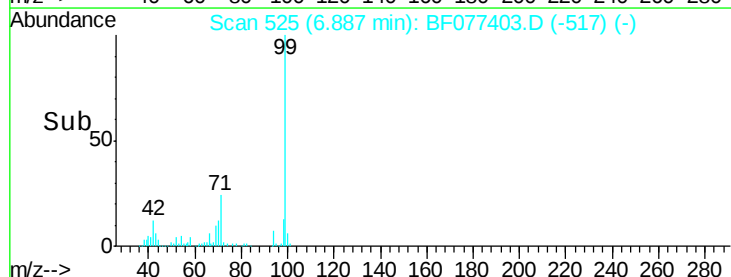
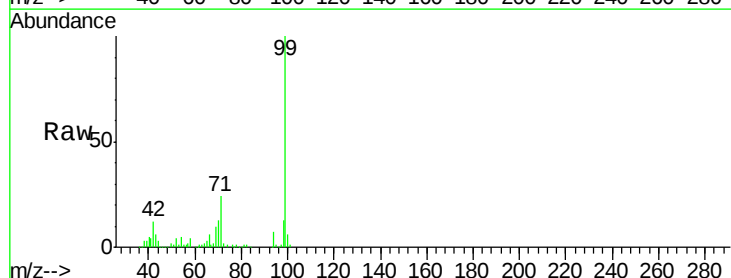
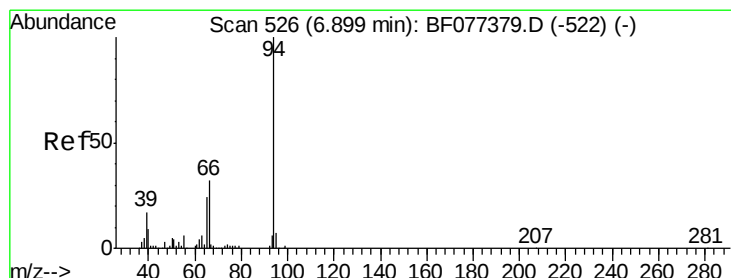
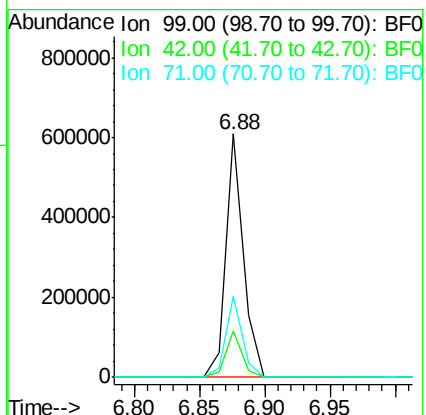
Tgt Ion: 99 Resp: 569249

Ion Ratio Lower Upper

99 100

42 19.1 16.2 24.4

71 33.5 26.7 40.1



#10

Phenol

Concen: 2.02 ng

RT: 6.89 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

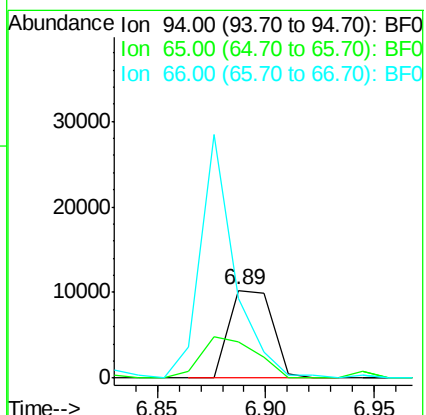
Tgt Ion: 94 Resp: 14083

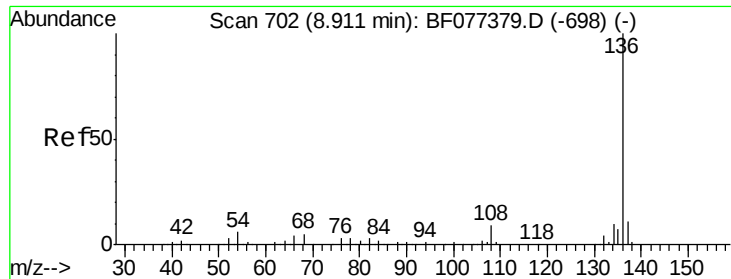
Ion Ratio Lower Upper

94 100

65 41.6 5.7 45.7

66 90.5 13.6 53.6#

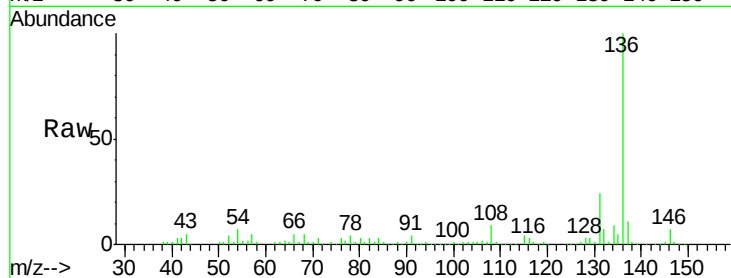




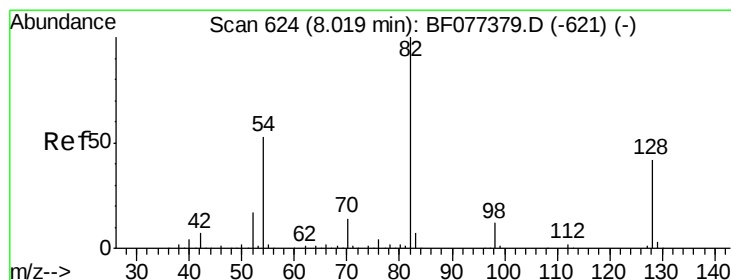
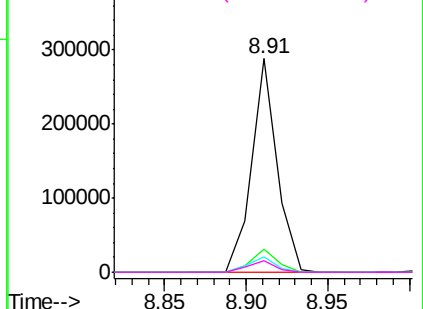
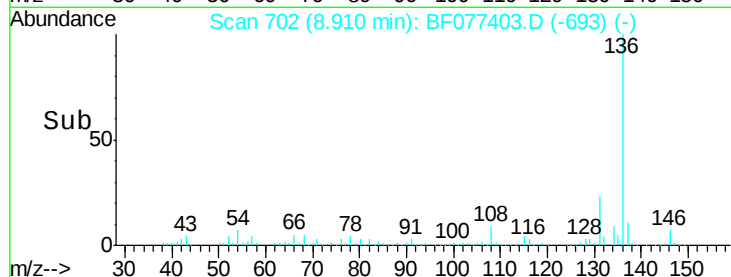
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.91 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF077403.D
Acq: 23 Feb 2015 14:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	312086
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.0	6.2	9.4
68	5.5	5.0	7.6

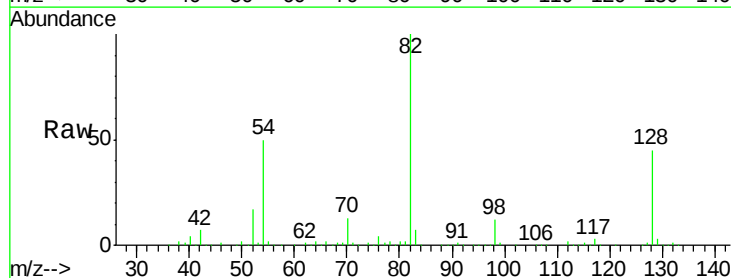


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

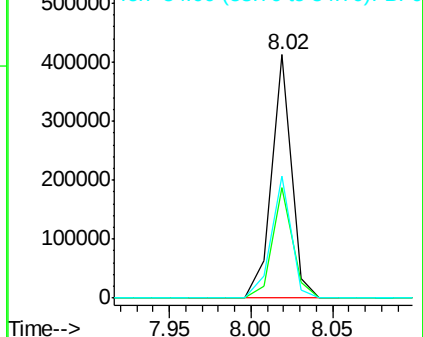
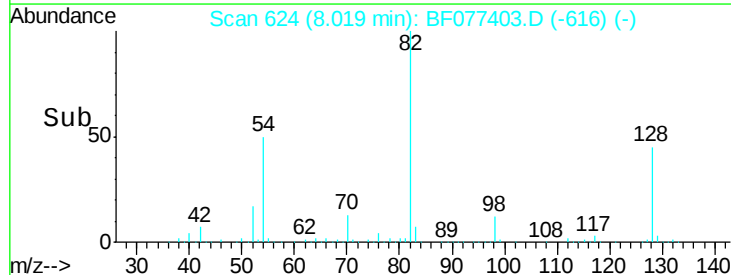


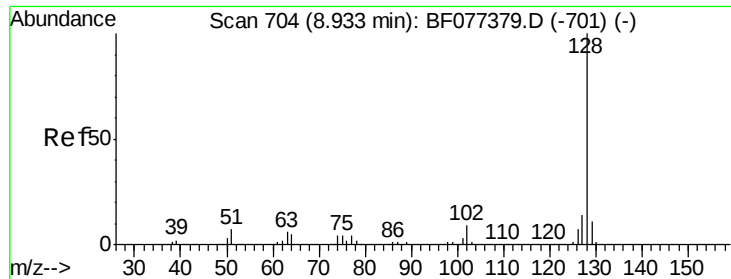
#23
Nitrobenzene-d5
Concen: 70.07 ng
RT: 8.02 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF077403.D
Acq: 23 Feb 2015 14:16

Tgt Ion:	82	Resp:	351671
Ion	Ratio	Lower	Upper
82	100		
128	45.4	43.8	65.8
54	50.0	36.7	55.1



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

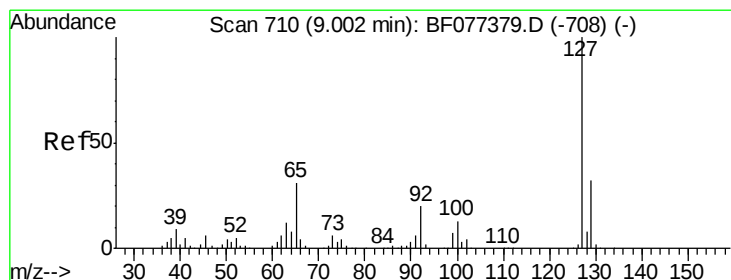
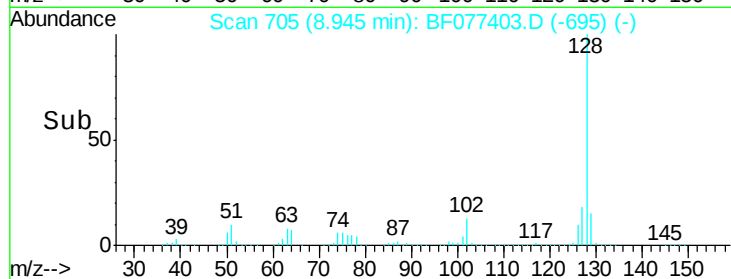
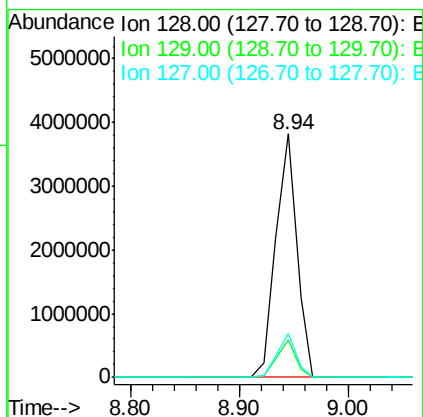
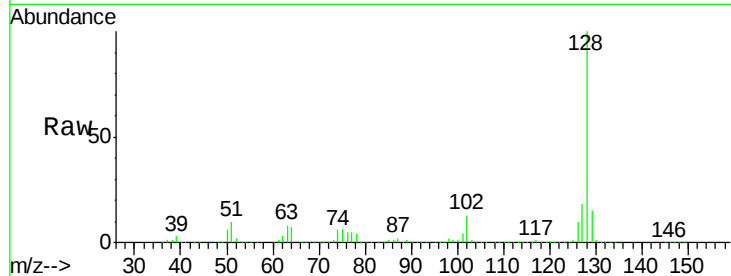




#31
Naphthalene
Concen: 329.98 ng
RT: 8.94 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF077403.D
Acq: 23 Feb 2015 14:16

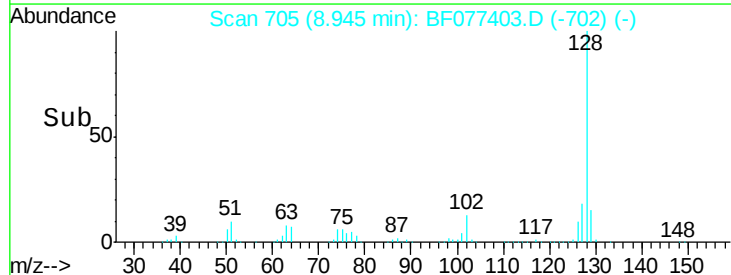
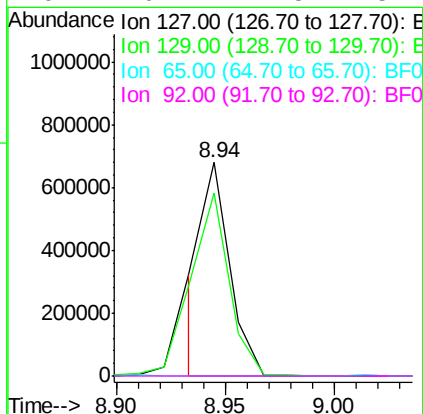
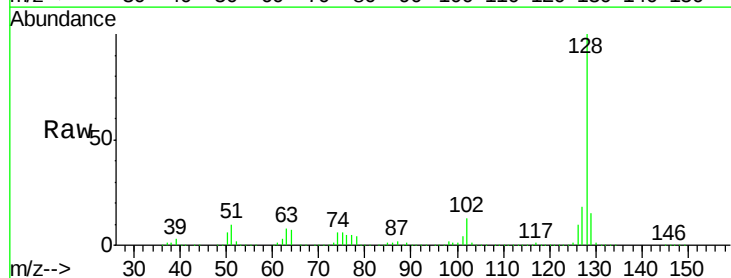
Instrument :
BNA_F
ClientSampleId :
HF-3

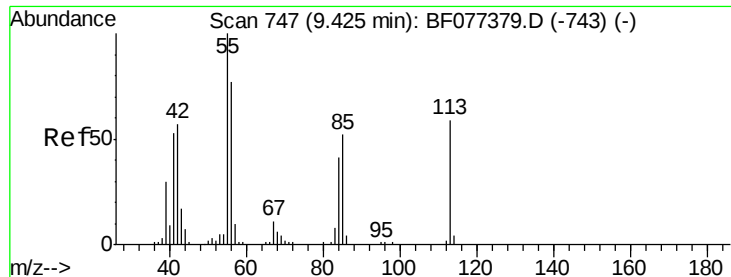
Tgt Ion:128 Resp: 5150000
Ion Ratio Lower Upper
128 100
129 15.2 9.4 14.0#
127 17.8 10.6 15.8#



#33
4-Chloroaniline
Concen: 84.08 ng
RT: 8.94 min Scan# 705
Delta R.T. -0.07 min
Lab File: BF077403.D
Acq: 23 Feb 2015 14:16

Tgt Ion:127 Resp: 583435
Ion Ratio Lower Upper
127 100
129 85.6 26.9 40.3#
65 0.0 16.7 25.1#
92 0.1 12.5 18.7#

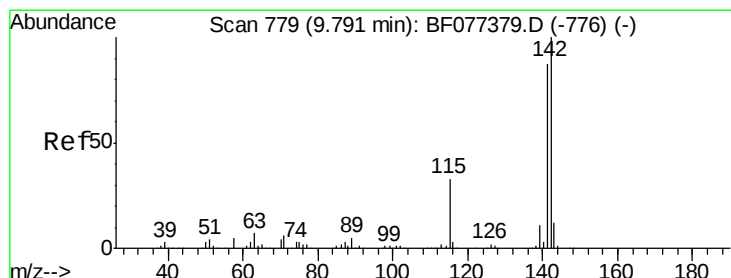
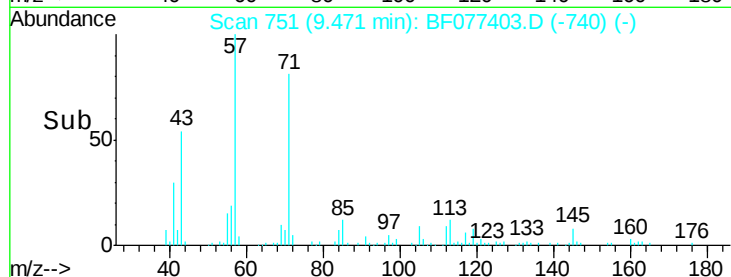
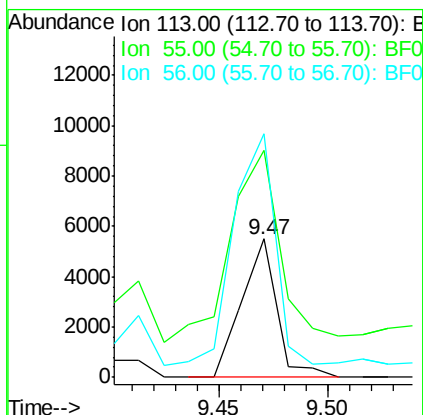
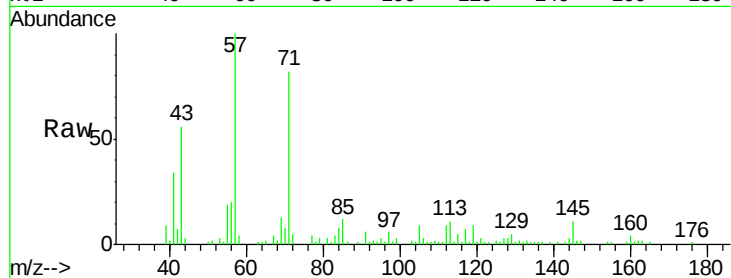




#35
 Caprolactam
 Concen: 4.40 ng
 RT: 9.47 min Scan# 751
 Delta R.T. 0.02 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

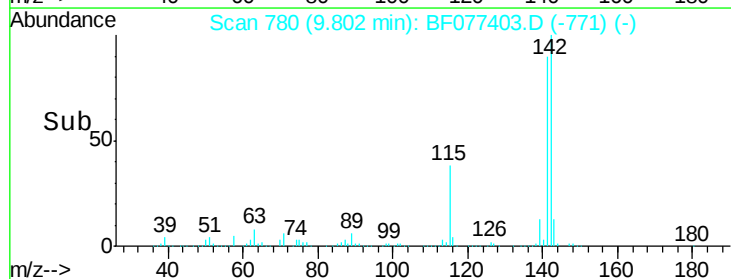
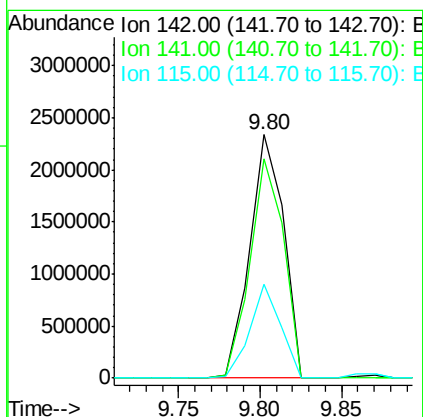
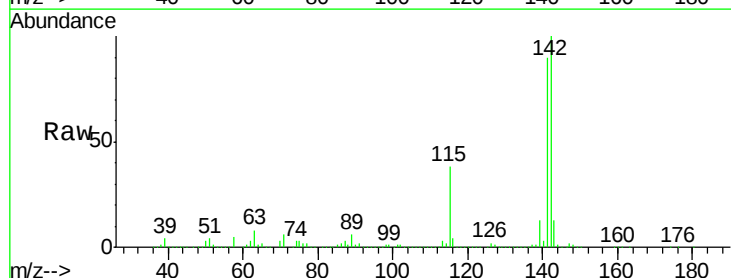
Instrument :
 BNA_F
 ClientSampleId :
 HF-3

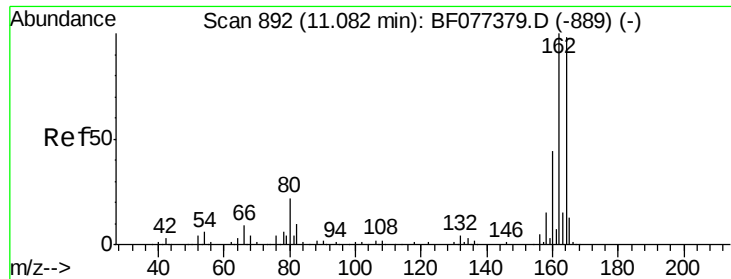
Tgt Ion:113 Resp: 6105
 Ion Ratio Lower Upper
 113 100
 55 163.9 154.6 194.6
 56 175.7 114.0 154.0#



#37
 2-Methylnaphthalene
 Concen: 303.07 ng
 RT: 9.80 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

Tgt Ion:142 Resp: 3359018
 Ion Ratio Lower Upper
 142 100
 141 89.9 70.7 106.1
 115 38.4 24.2 36.4#

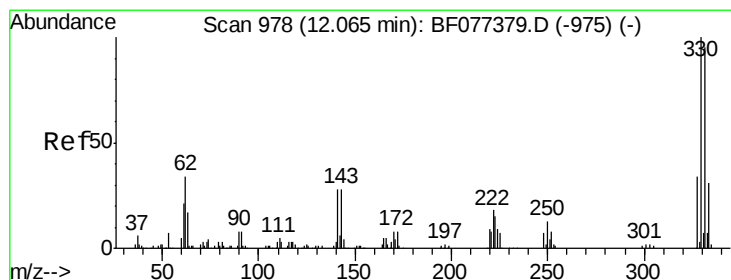
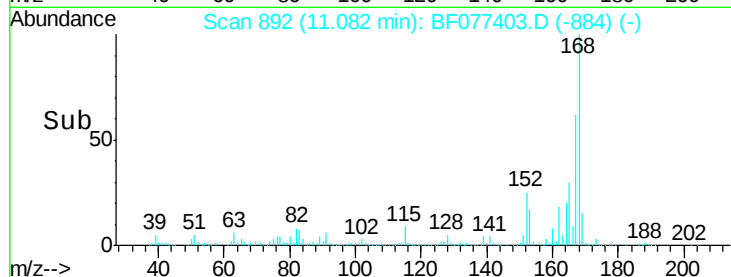
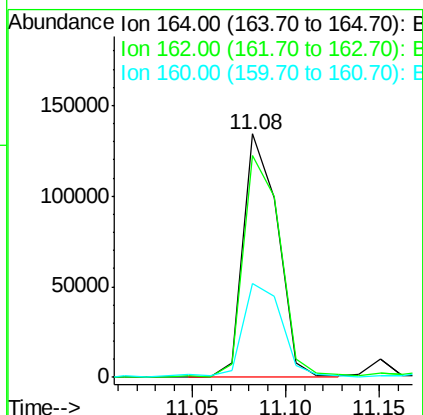
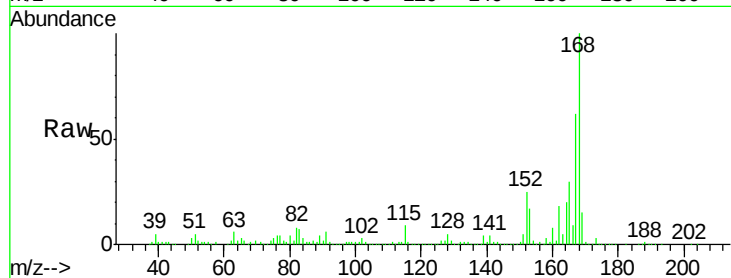




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

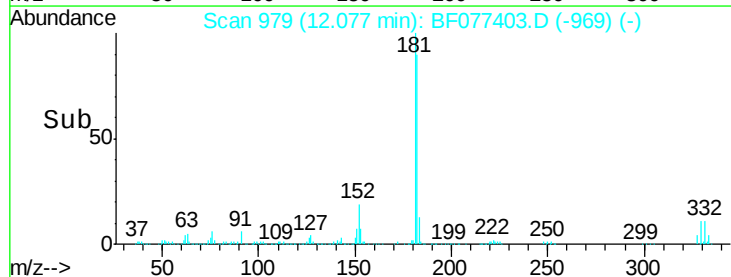
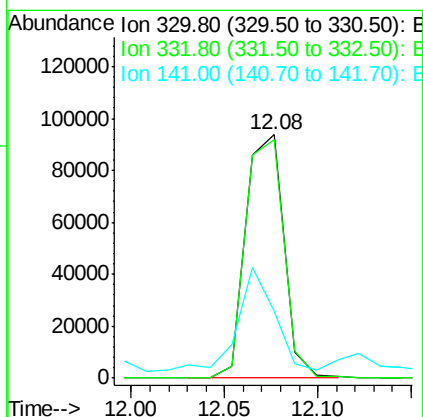
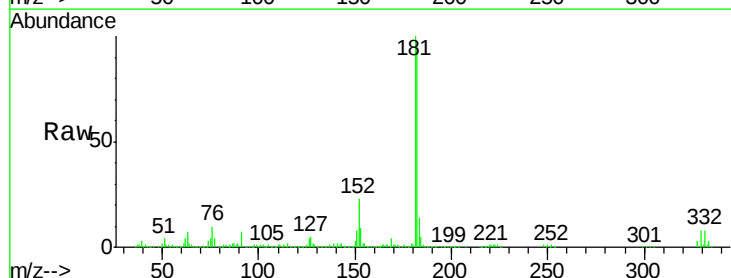
Instrument :
 BNA_F
 ClientSampleId :
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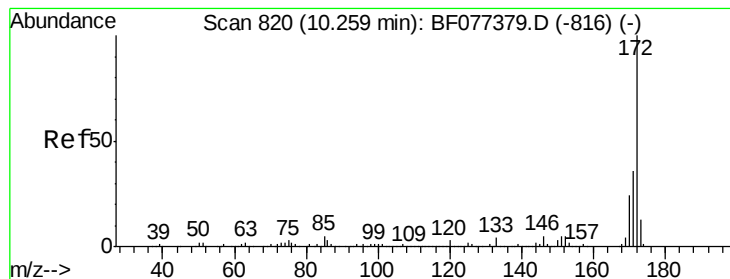
Tgt Ion:164 Resp: 171992
 Ion Ratio Lower Upper
 164 100
 162 91.2 83.2 124.8
 160 38.7 34.6 52.0



#41
 2,4,6-Tribromophenol
 Concen: 81.16 ng
 RT: 12.08 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

Tgt Ion:330 Resp: 134399
 Ion Ratio Lower Upper
 330 100
 332 98.9 77.4 116.2
 141 40.2 28.8 43.2





#44

2-Fluorobiphenyl

Concen: 62.32 ng

RT: 10.26 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

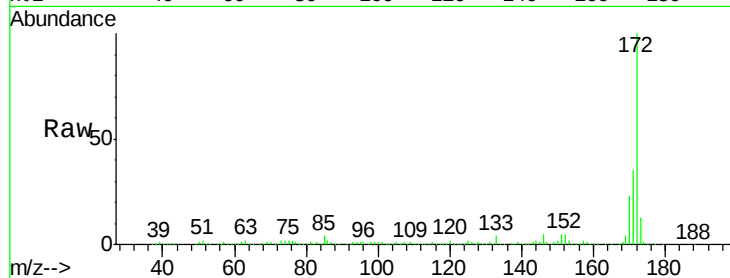
Tgt Ion: 172 Resp: 687455

Ion Ratio Lower Upper

172 100

171 34.9 28.9 43.3

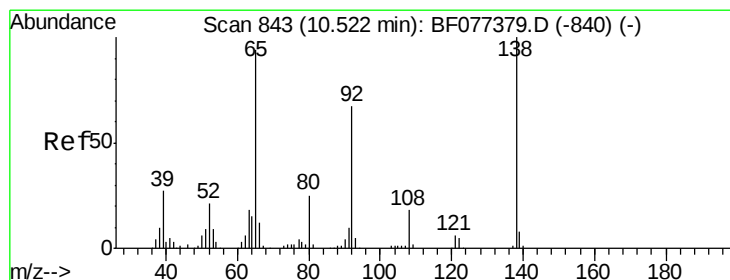
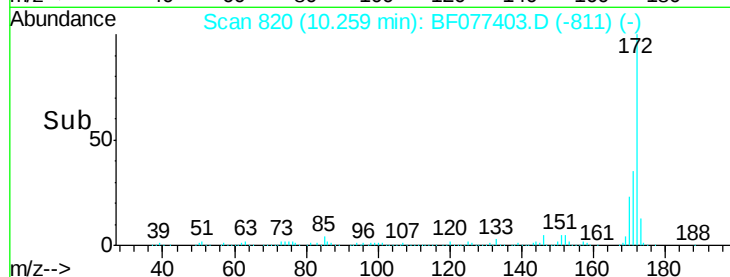
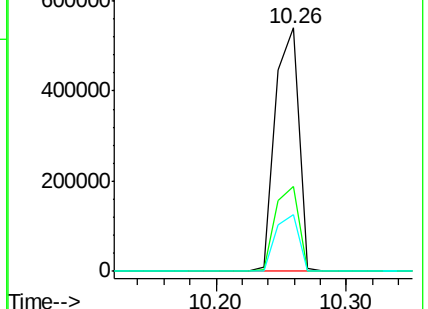
170 23.4 19.4 29.2



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: 4.26 ng

RT: 10.49 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

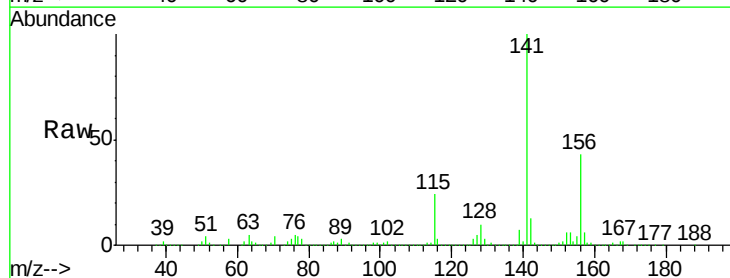
Tgt Ion: 65 Resp: 10719

Ion Ratio Lower Upper

65 100

92 9.4 52.4 78.6#

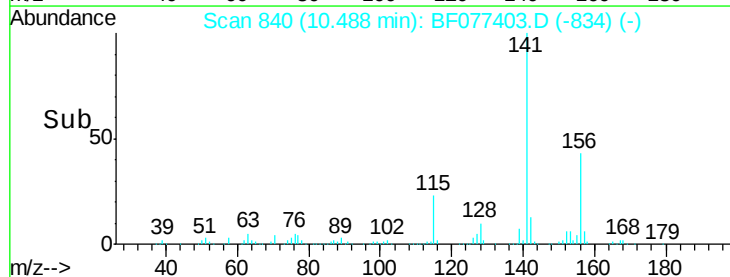
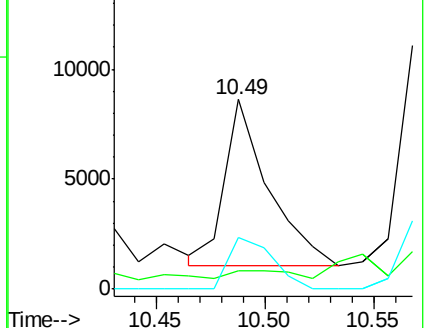
138 27.3 73.4 110.0#

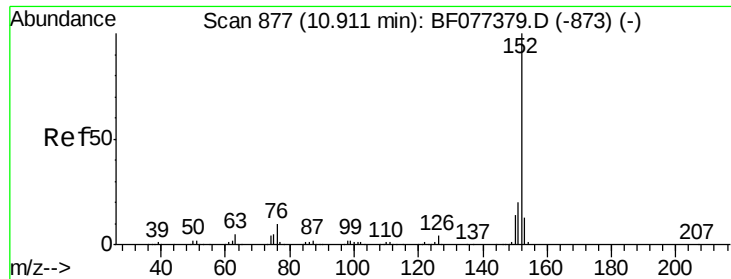


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 7.54 ng

RT: 10.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

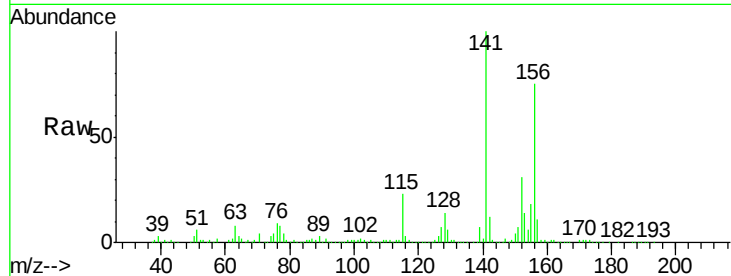
Tgt Ion:152 Resp: 121931

Ion Ratio Lower Upper

152 100

151 23.8 16.1 24.1

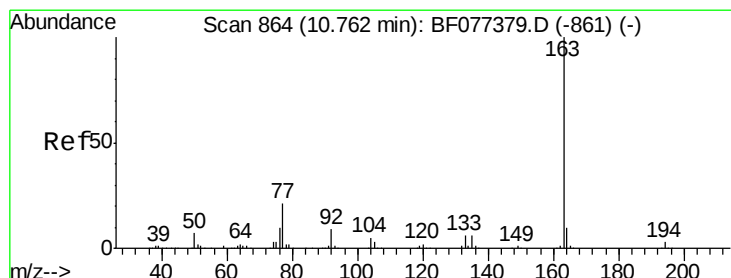
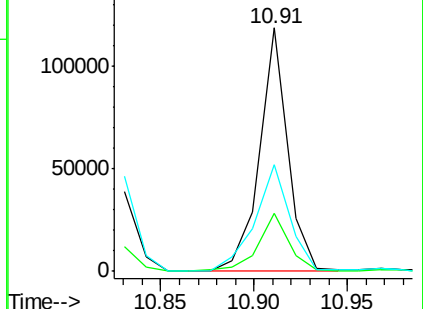
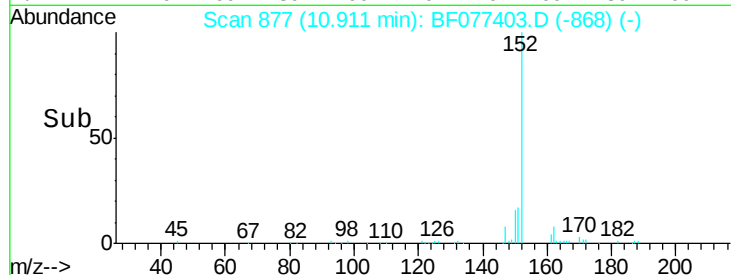
153 43.9 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.97 ng

RT: 10.76 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

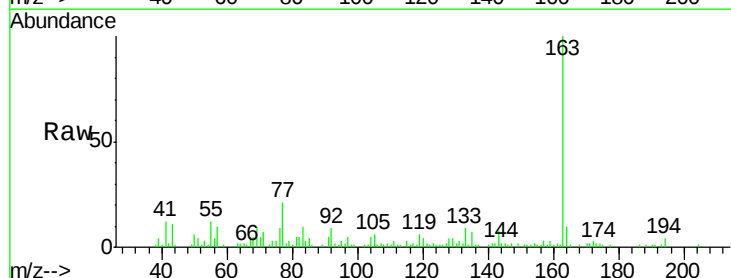
Tgt Ion:163 Resp: 47936

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

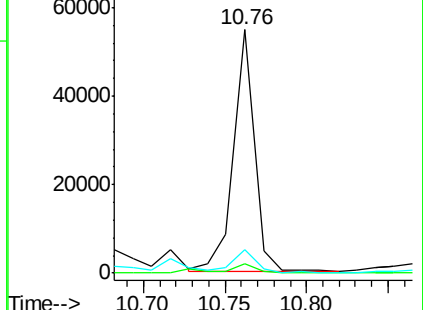
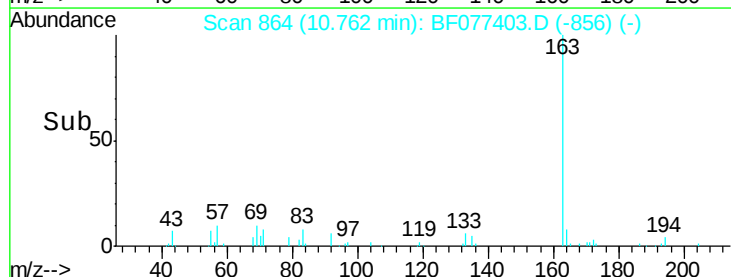
164 9.8 8.6 13.0

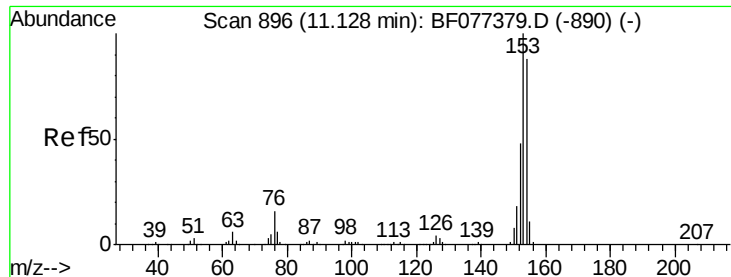


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 331.83 ng

RT: 11.14 min Scan# 897

Delta R.T. 0.01 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

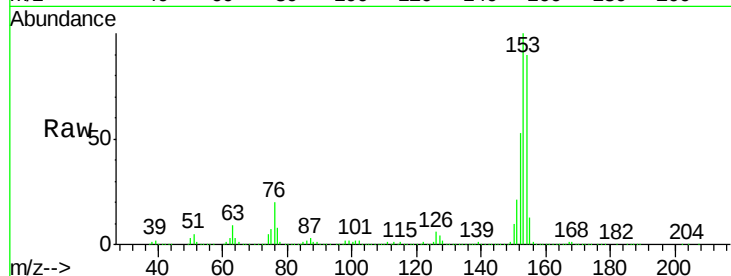
Tgt Ion:154 Resp: 3203481

Ion Ratio Lower Upper

154 100

153 111.4 90.5 135.7

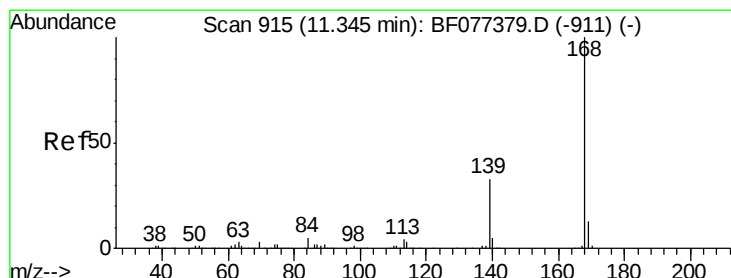
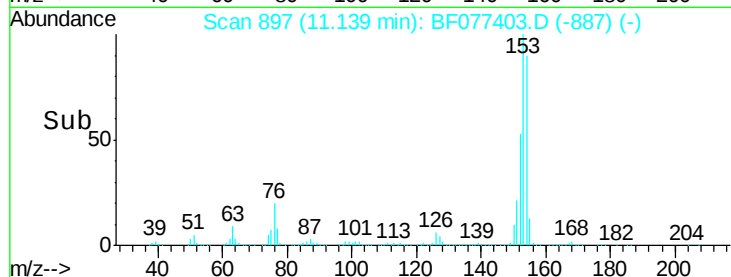
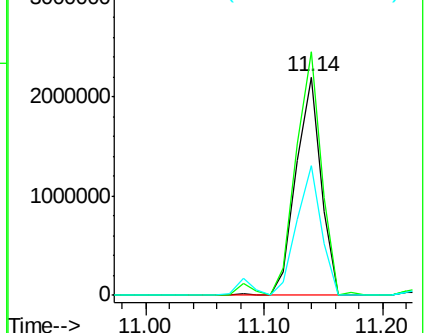
152 59.1 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 274.07 ng

RT: 11.36 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

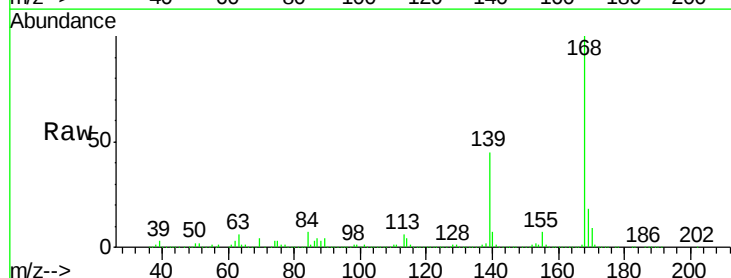
Tgt Ion:168 Resp: 4085207

Ion Ratio Lower Upper

168 100

139 45.0 29.3 43.9#

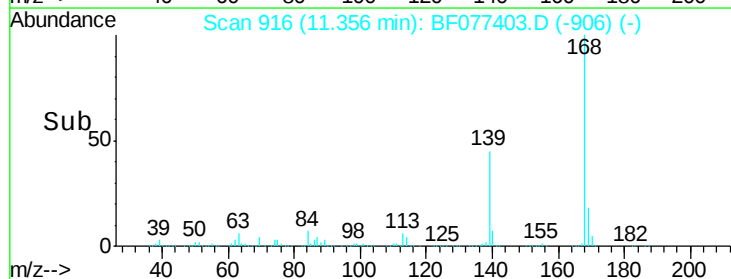
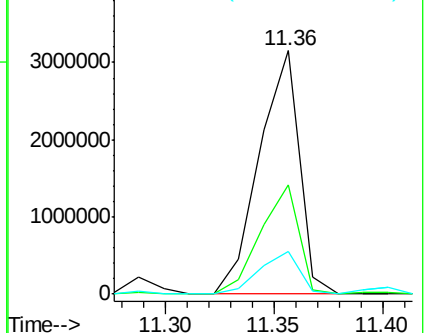
169 17.7 10.9 16.3#

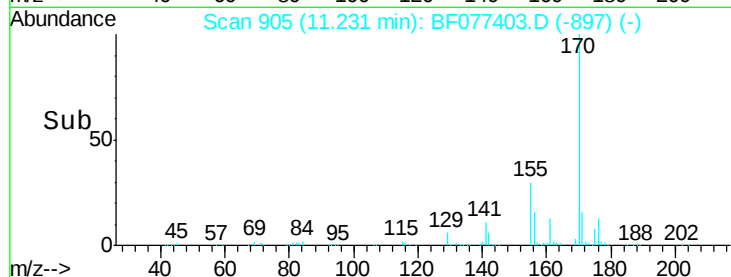
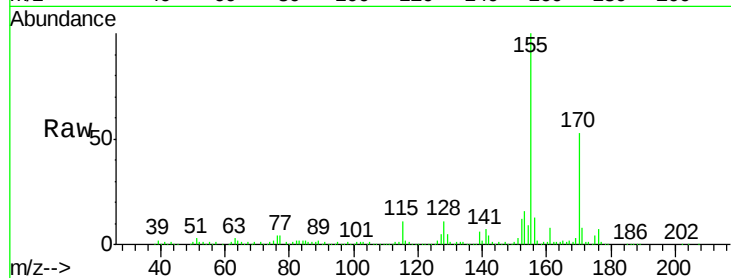
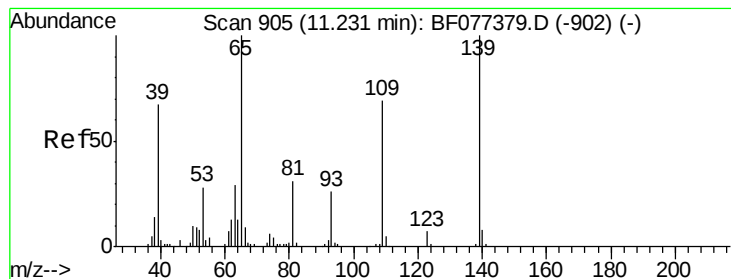


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 17.28 ng

RT: 11.23 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

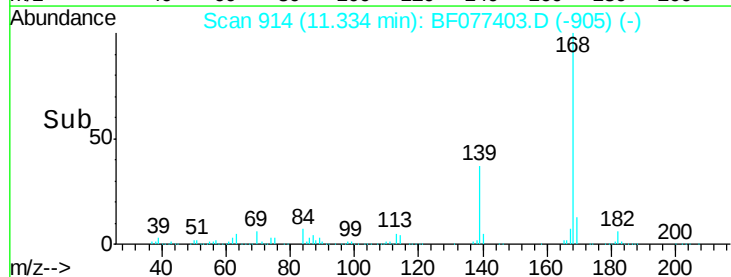
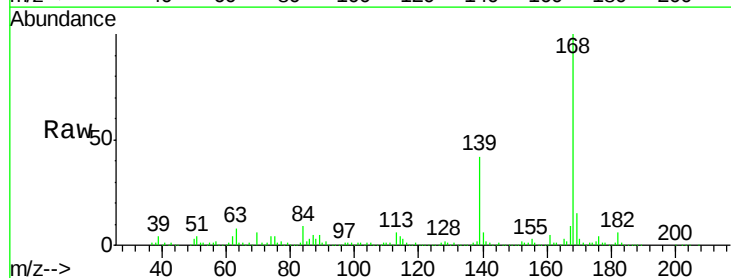
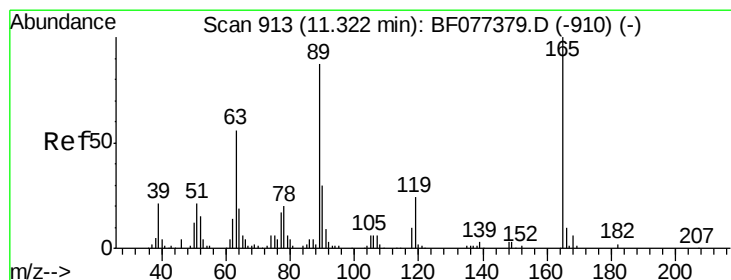
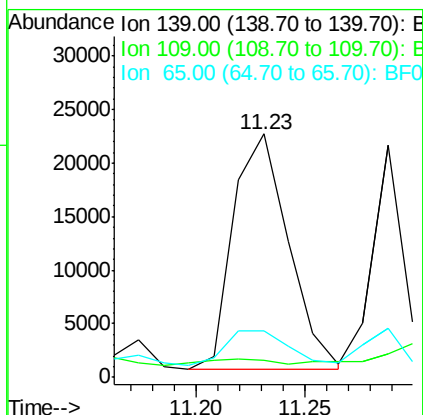
Tgt Ion:139 Resp: 38859

Ion Ratio Lower Upper

139 100

109 7.2 36.2 76.2#

65 19.0 40.3 80.3#



#56

2,4-Dinitrotoluene

Concen: 11.44 ng

RT: 11.33 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Tgt Ion:165 Resp: 37479

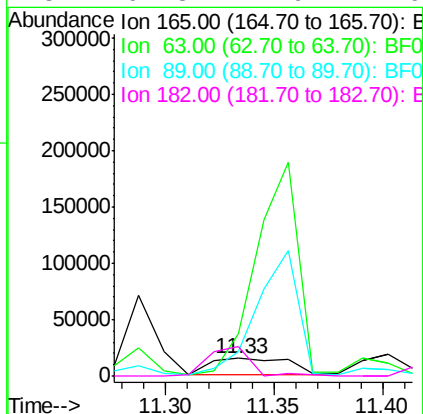
Ion Ratio Lower Upper

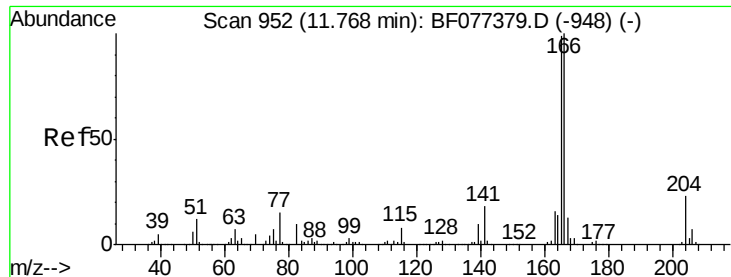
165 100

63 236.0 29.8 44.8#

89 136.9 48.5 72.7#

182 167.3 1.9 2.9#

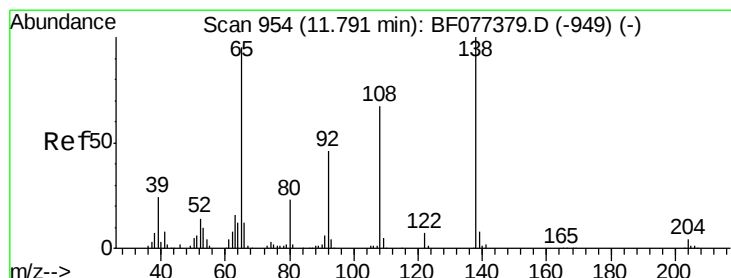
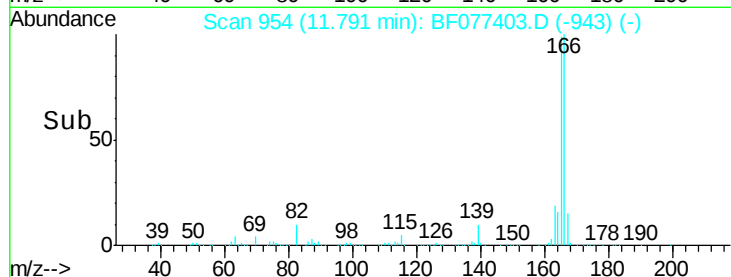
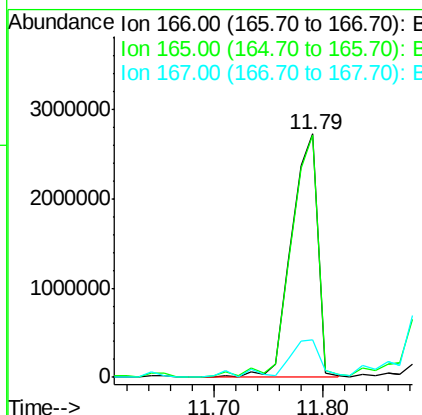
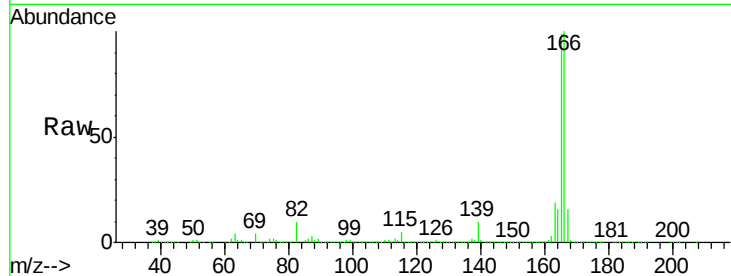




#57
 Fluorene
 Concen: 388.07 ng
 RT: 11.79 min Scan# 954
 Delta R.T. 0.02 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

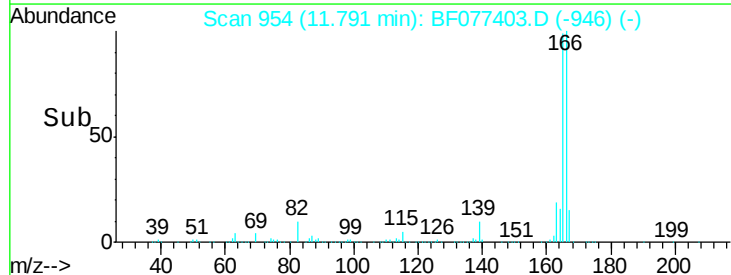
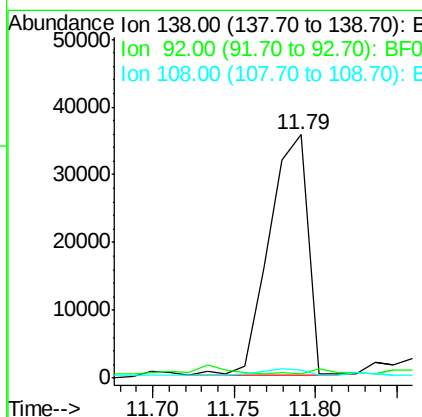
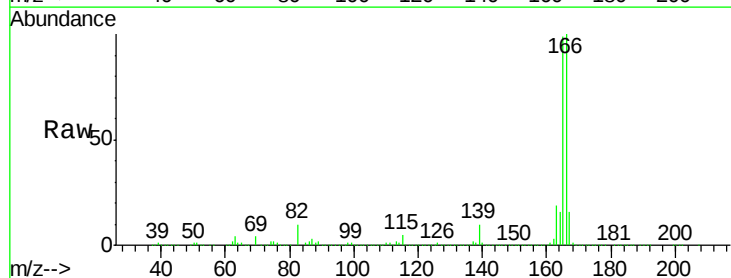
Instrument :
 BNA_F
 ClientSampleId :
 HF-3

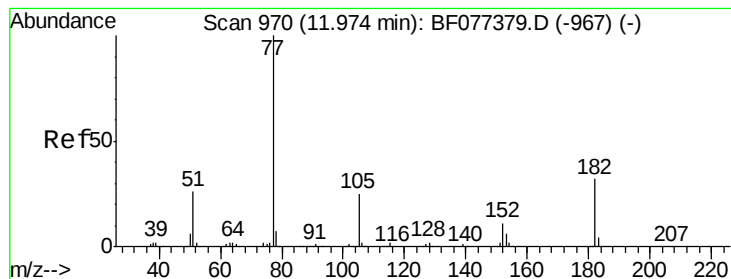
Tgt Ion:166 Resp: 4624576
 Ion Ratio Lower Upper
 166 100
 165 99.3 77.6 116.4
 167 15.5 10.6 16.0



#61
 4-Nitroaniline
 Concen: 21.79 ng
 RT: 11.79 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

Tgt Ion:138 Resp: 58382
 Ion Ratio Lower Upper
 138 100
 92 1.9 32.8 72.8#
 108 3.2 52.1 92.1#





#62

Azobenzene

Concen: 6.74 ng

RT: 11.97 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

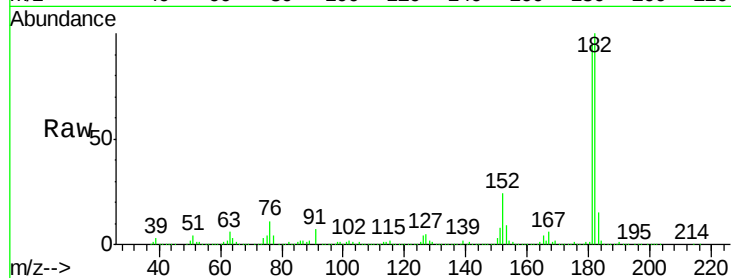
ClientSampleId :

HF-3

Tgt Ion: 77 Resp: 76215

Ion Ratio Lower Upper

77	100		
182	2675.1	4.9	44.9#
105	15.9	3.3	43.3
51	95.6	8.9	48.9#

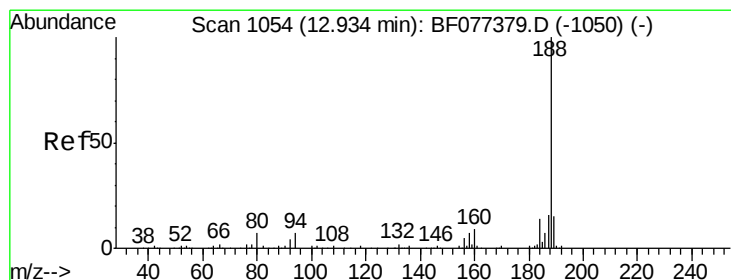
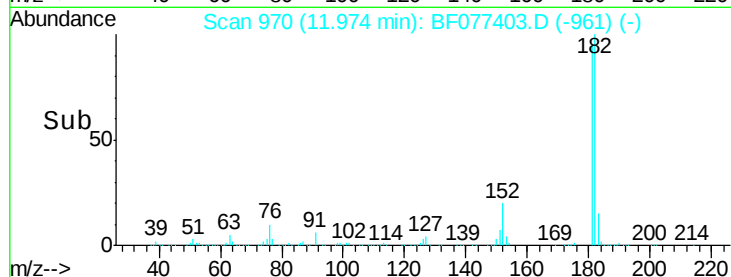
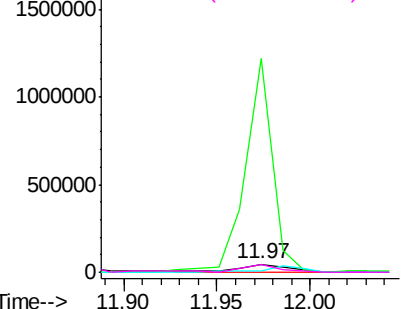


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.95 min Scan# 1055

Delta R.T. 0.01 min

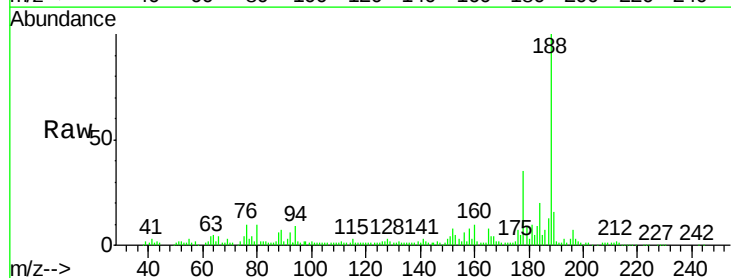
Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Tgt Ion: 188 Resp: 296282

Ion Ratio Lower Upper

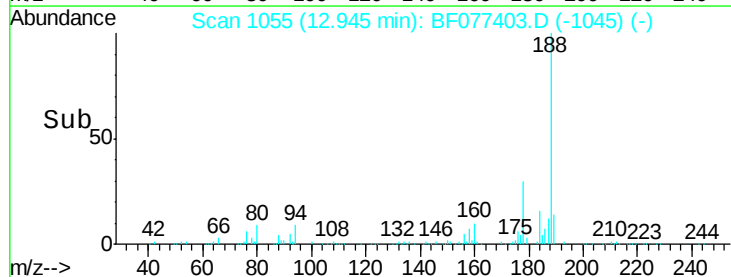
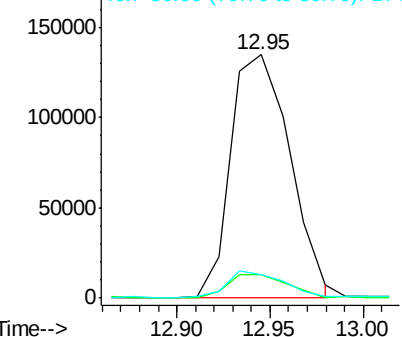
188	100		
94	9.4	7.4	11.2
80	9.8	8.0	12.0

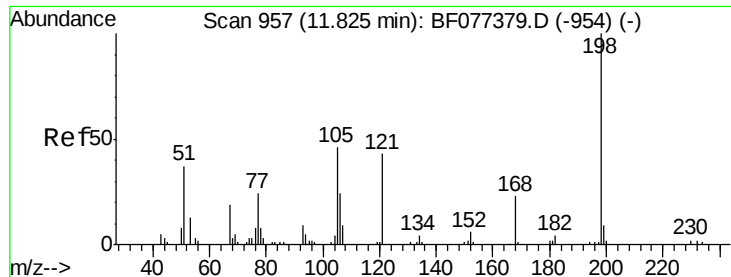


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.81 ng

RT: 11.87 min Scan# 961

Delta R.T. 0.03 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampled :

HF-3

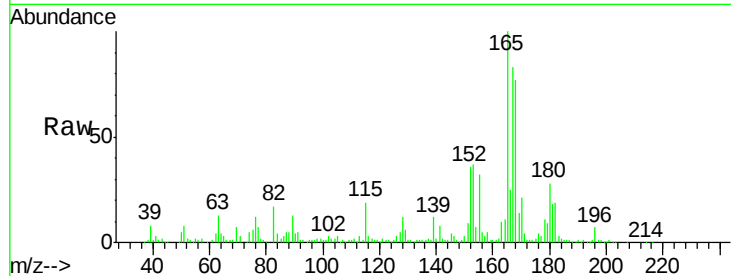
Tgt Ion:198 Resp: 1404

Ion Ratio Lower Upper

198 100

51 1579.0 2.7 42.7#

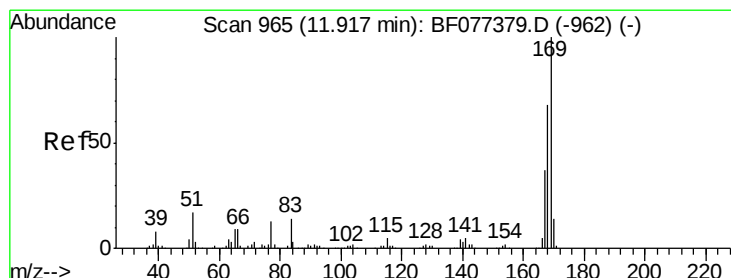
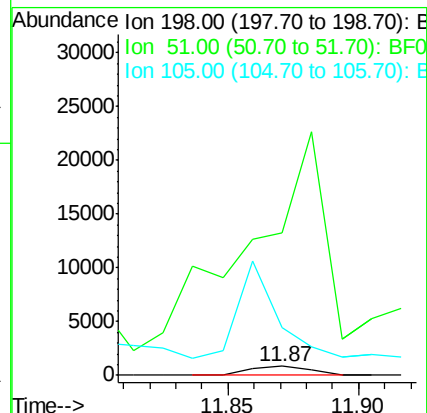
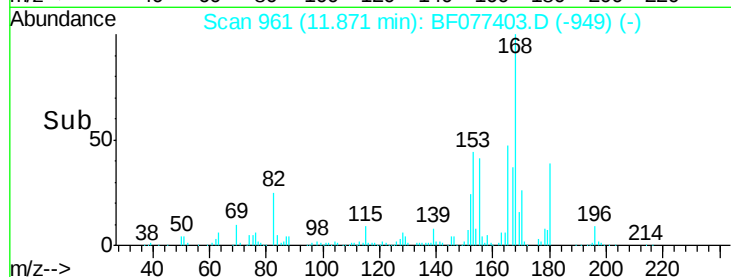
105 525.0 10.0 50.0#



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: 12.29 ng

RT: 11.92 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

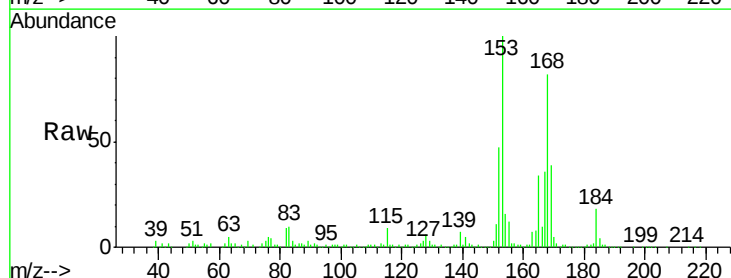
Tgt Ion:169 Resp: 120804

Ion Ratio Lower Upper

169 100

168 211.0 53.0 79.6#

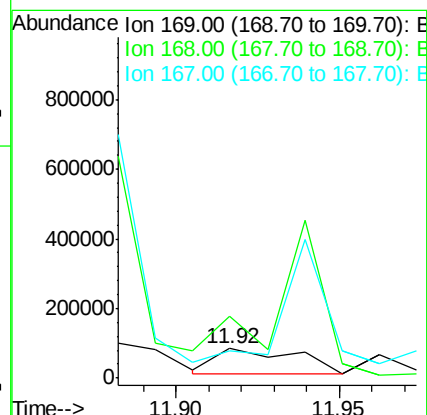
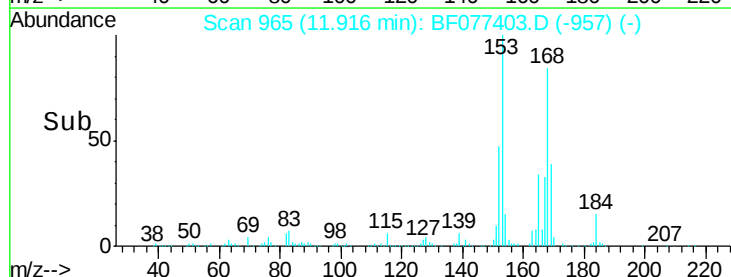
167 91.9 29.5 44.3#

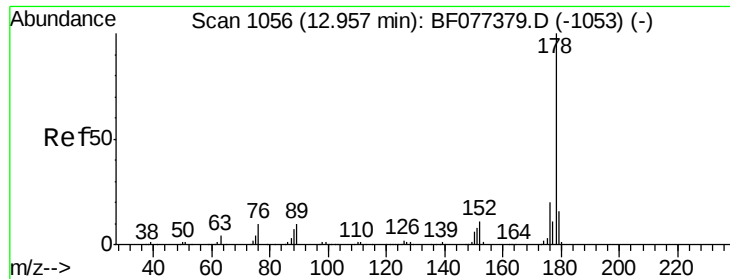


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 651.83 ng

RT: 13.00 min Scan# 1060

Delta R.T. 0.03 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

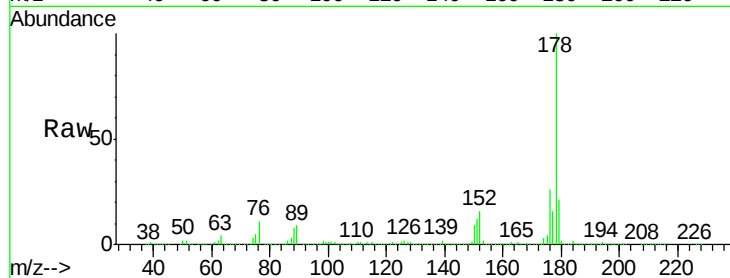
Tgt Ion:178 Resp:11193469

Ion Ratio Lower Upper

178 100

176 26.5 15.5 23.3#

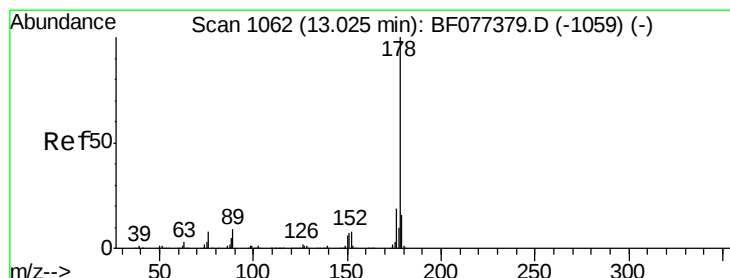
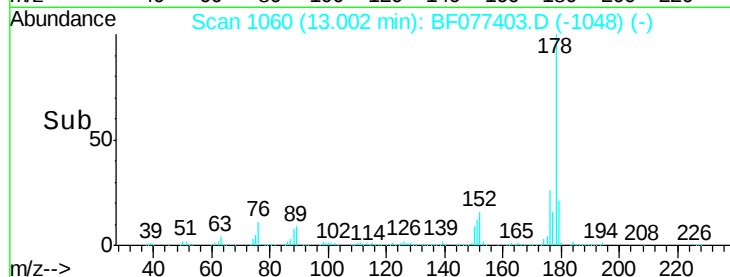
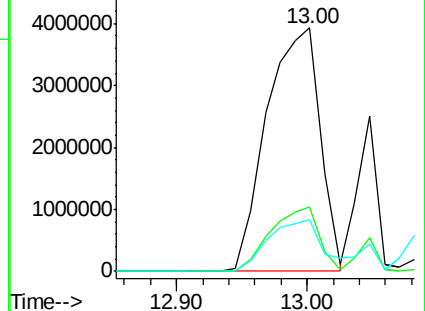
179 21.4 12.2 18.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 140.65 ng

RT: 13.05 min Scan# 1064

Delta R.T. 0.02 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

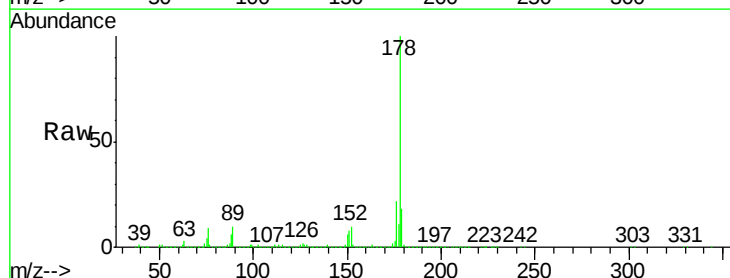
Tgt Ion:178 Resp: 2396839

Ion Ratio Lower Upper

178 100

176 21.6 15.4 23.0

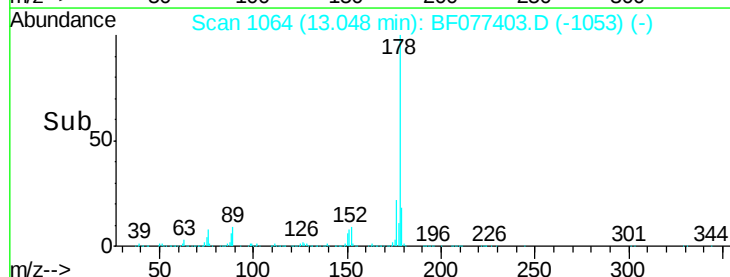
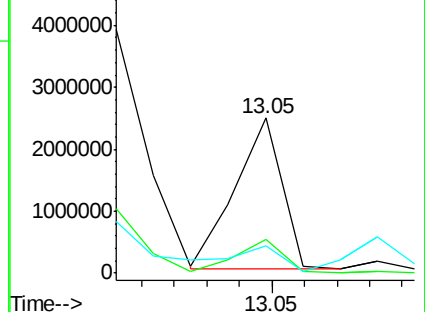
179 17.9 12.9 19.3

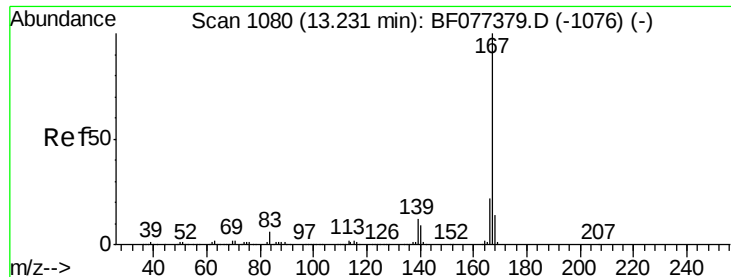


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 50.98 ng

RT: 13.23 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

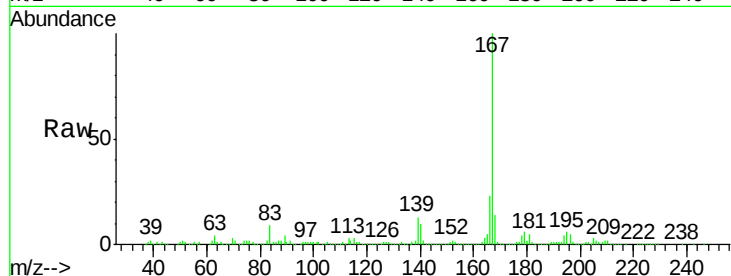
Tgt Ion:167 Resp: 826044

Ion Ratio Lower Upper

167 100

166 23.3 17.6 26.4

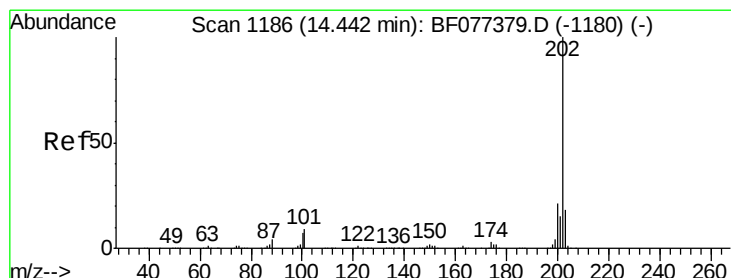
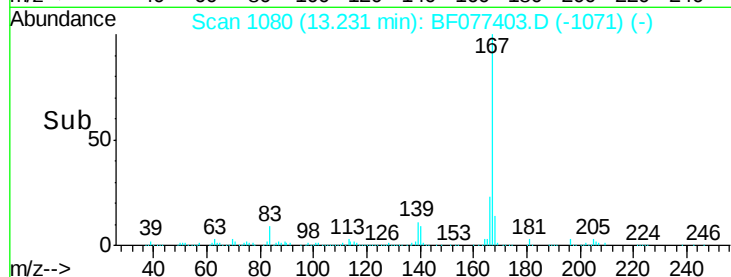
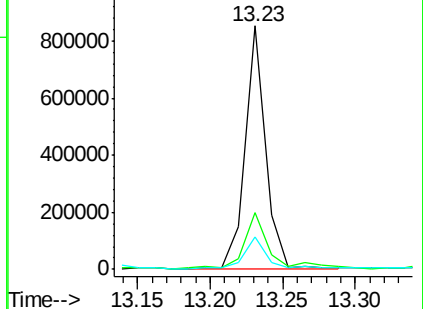
139 13.2 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 346.85 ng

RT: 14.48 min Scan# 1189

Delta R.T. 0.03 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

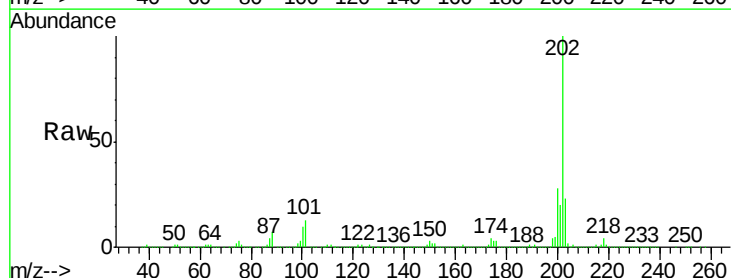
Tgt Ion:202 Resp: 6506294

Ion Ratio Lower Upper

202 100

101 13.3 0.0 30.8

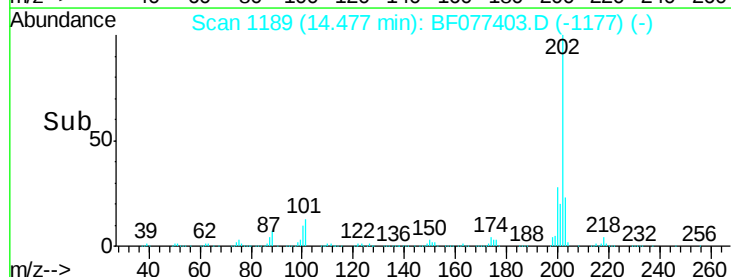
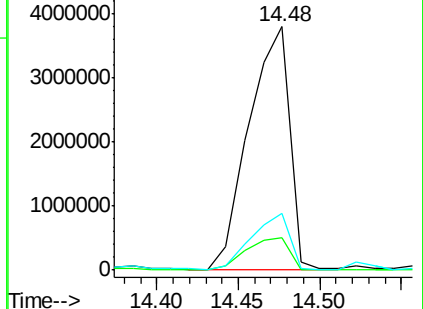
203 23.2 0.0 37.7

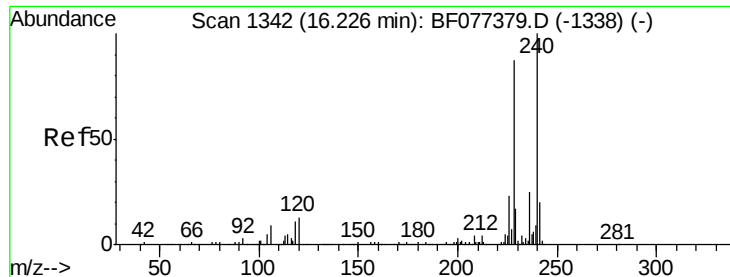


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.24 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

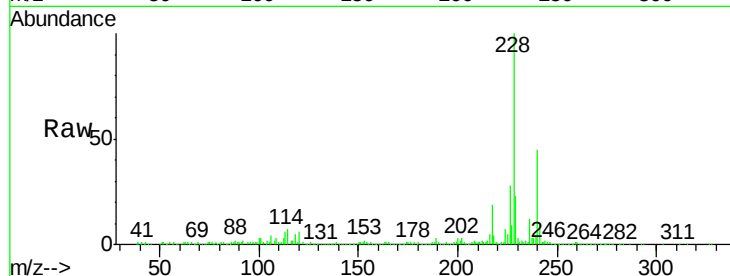
BNA_F

ClientSampleId :

HF-3

Tgt Ion:240 Resp: 316667

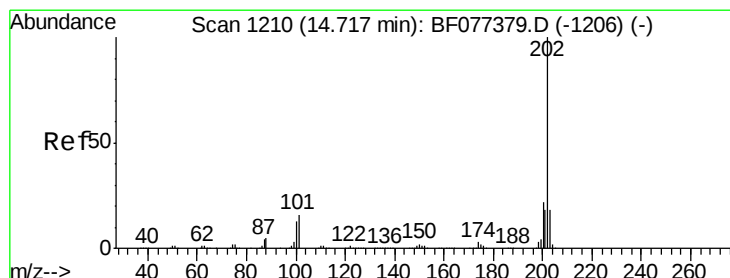
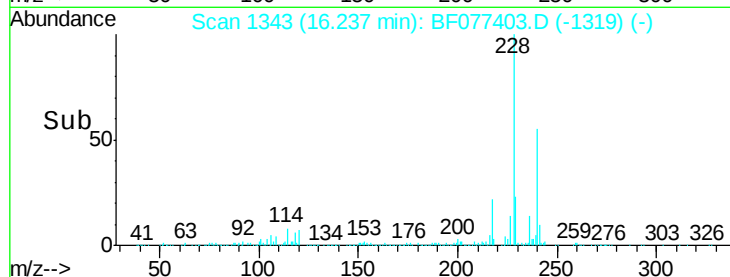
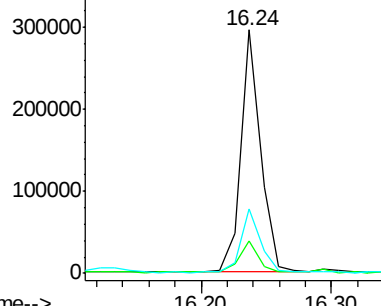
Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.8	13.2#
236	26.3	20.7	31.1



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



#77

Pyrene

Concen: 291.75 ng

RT: 14.75 min Scan# 1213

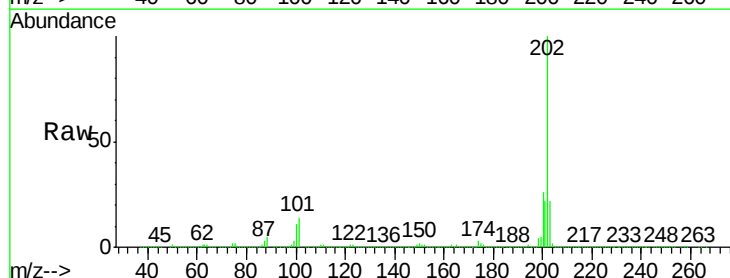
Delta R.T. 0.02 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Tgt Ion:202 Resp: 5651394

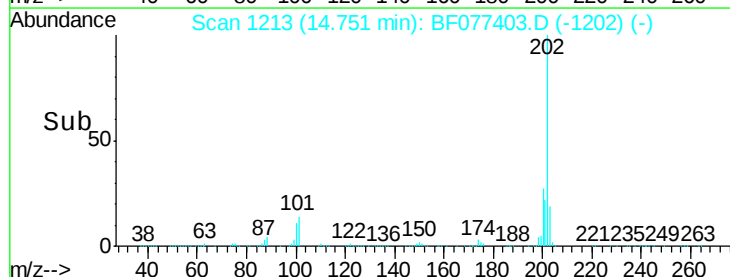
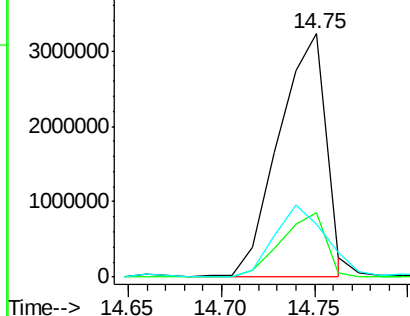
Ion	Ratio	Lower	Upper
202	100		
200	26.5	17.1	25.7#
203	21.8	14.2	21.2#

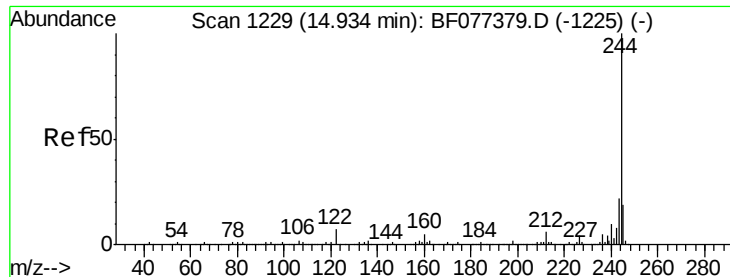


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

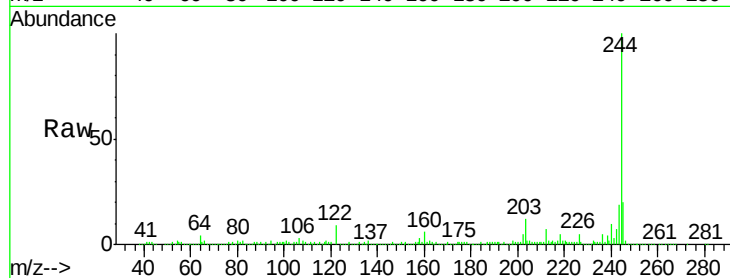




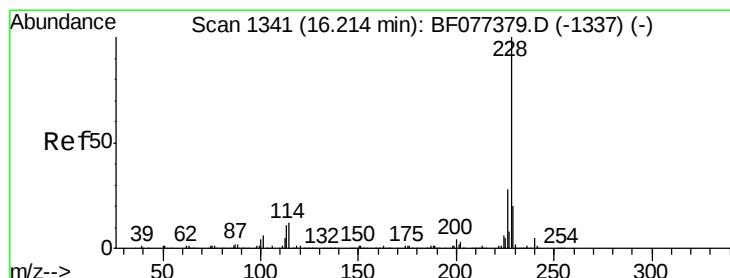
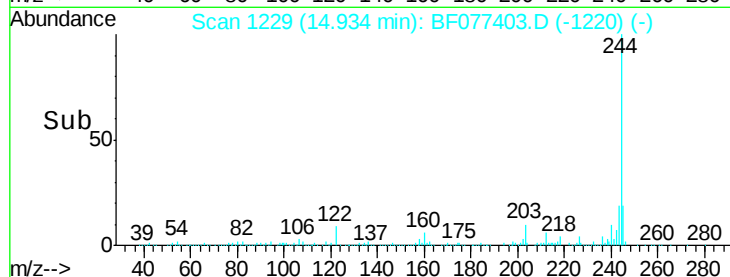
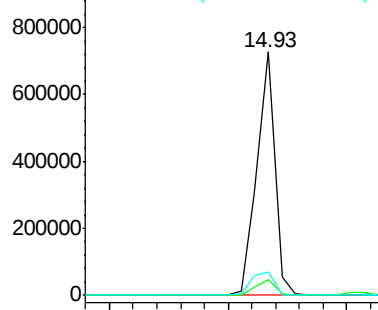
#78
 Terphenyl-d14
 Concen: 56.53 ng
 RT: 14.93 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

Instrument :
 BNA_F
 ClientSampleId :
 HF-3

Tgt Ion:244 Resp: 765707
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 9.4 7.8 11.8

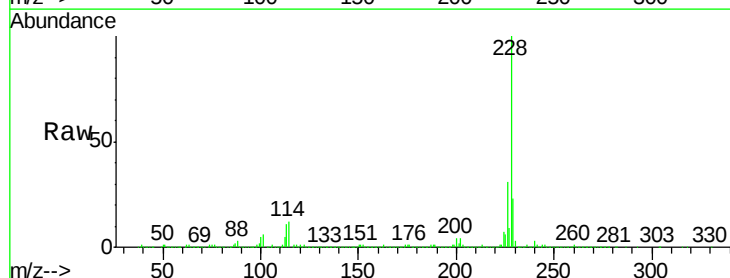


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

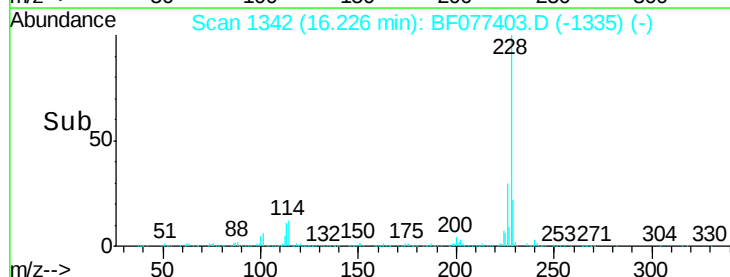
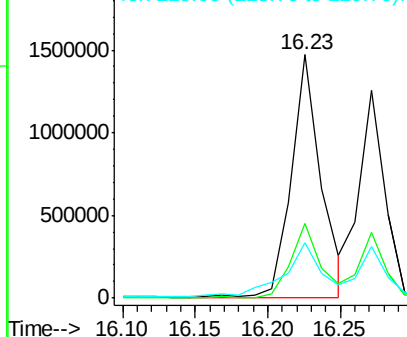


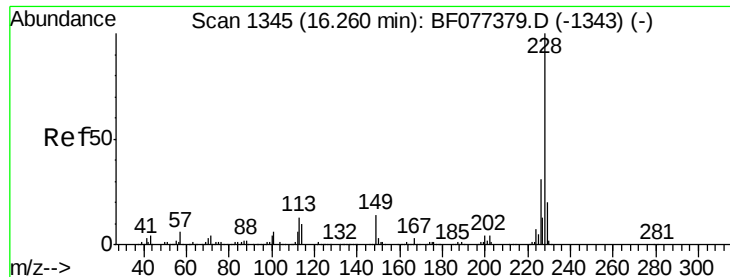
#80
 Benzo(a)anthracene
 Concen: 112.04 ng
 RT: 16.23 min Scan# 1342
 Delta R.T. -0.02 min
 Lab File: BF077403.D
 Acq: 23 Feb 2015 14:16

Tgt Ion:228 Resp: 2079377
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.0 33.0
 229 22.8 15.8 23.8



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





#82

Chrysene

Concen: 87.60 ng

RT: 16.27 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

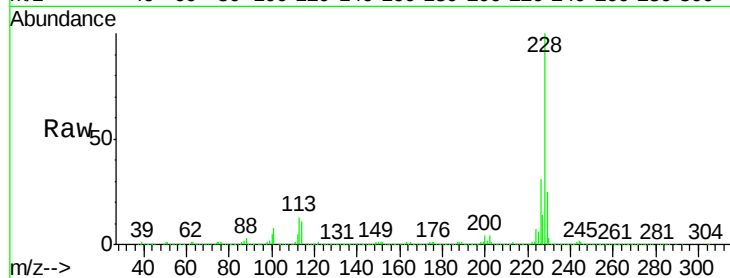
Tgt Ion:228 Resp: 1526538

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

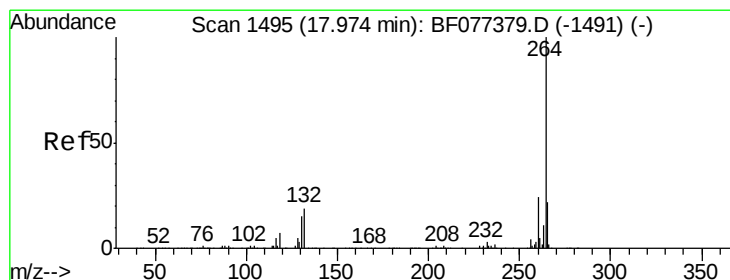
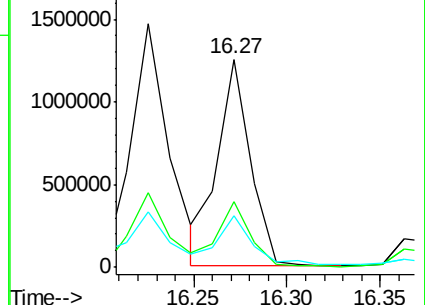
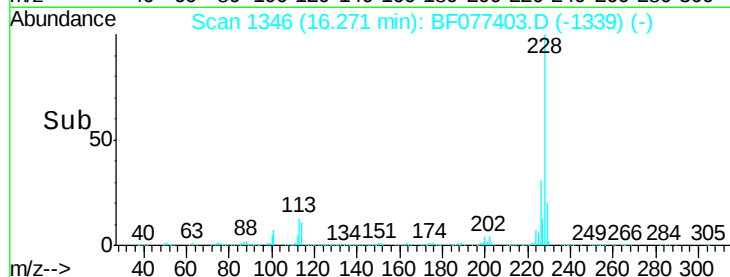
229 24.6 16.4 24.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.01 min Scan# 1498

Delta R.T. -0.09 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

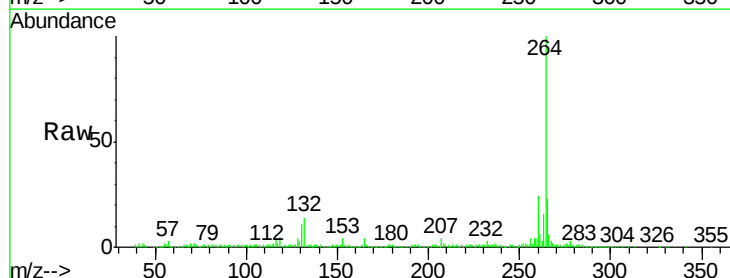
Tgt Ion:264 Resp: 352797

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

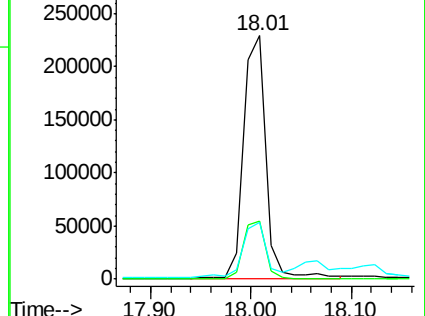
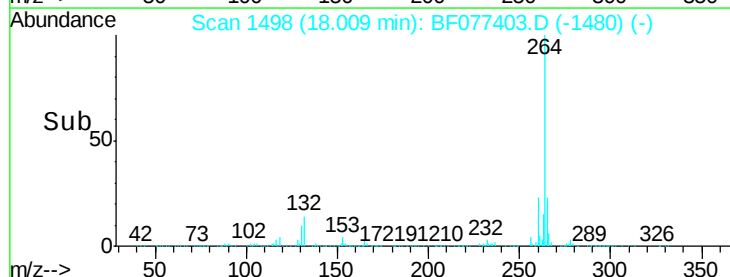
265 23.3 16.8 25.2

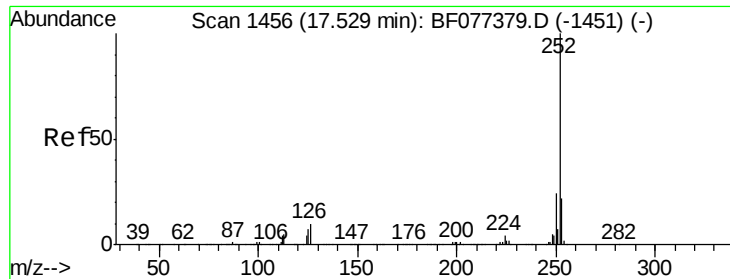


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

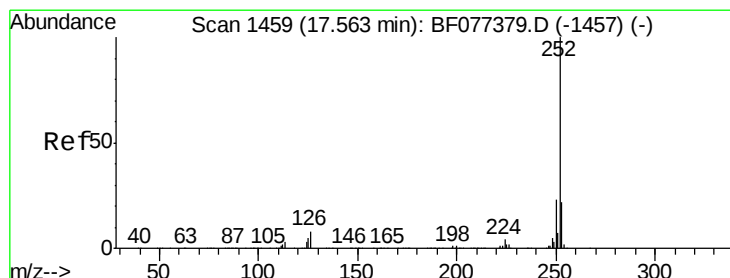
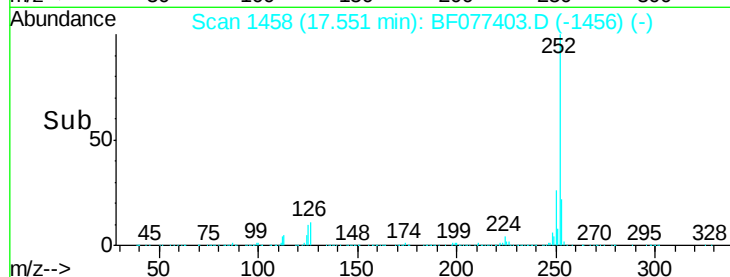
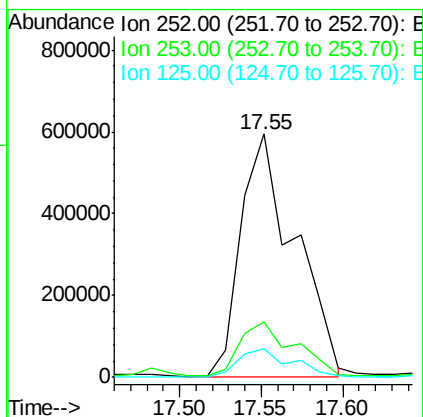
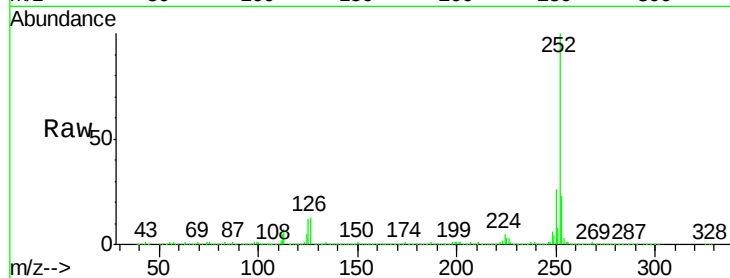




#87
Benzo(b)fluoranthene
Concen: 66.22 ng
RT: 17.55 min Scan# 1458
Delta R.T. -0.08 min
Lab File: BF077403.D
Acq: 23 Feb 2015 14:16

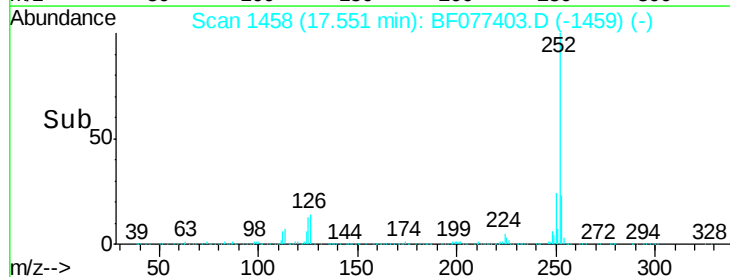
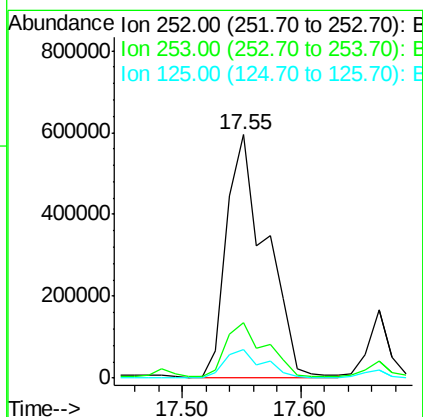
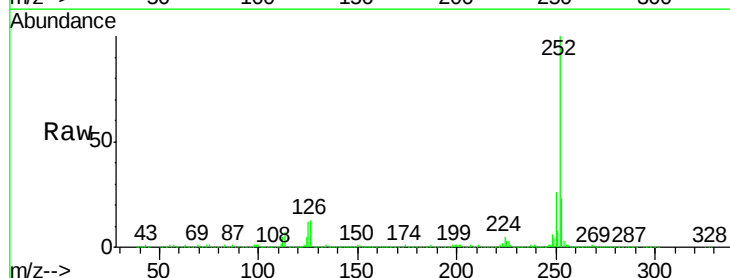
Instrument :
BNA_F
ClientSampleId :
HF-3

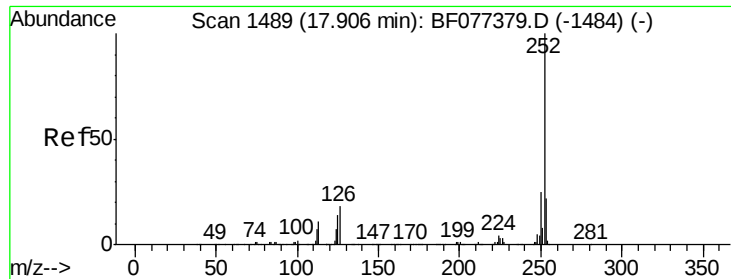
Tgt Ion:252 Resp: 1358525
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 11.6 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 68.16 ng
RT: 17.55 min Scan# 1458
Delta R.T. -0.11 min
Lab File: BF077403.D
Acq: 23 Feb 2015 14:16

Tgt Ion:252 Resp: 1370355
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 11.6 10.1 15.1





#89

Benzo(a)pyrene

Concen: 33.22 ng

RT: 17.94 min Scan# 1492

Delta R.T. -0.10 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

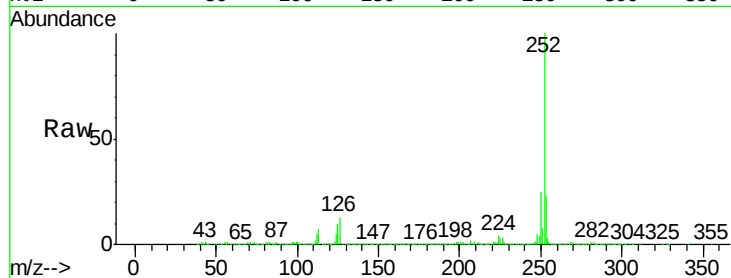
Tgt Ion:252 Resp: 649100

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

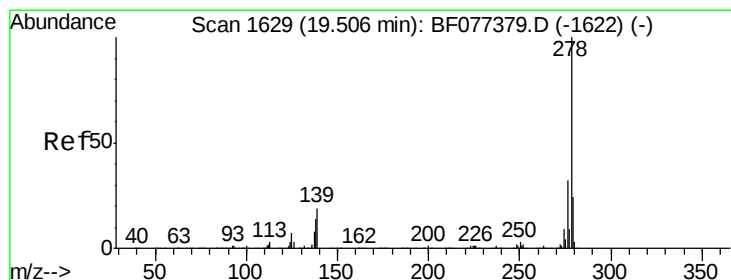
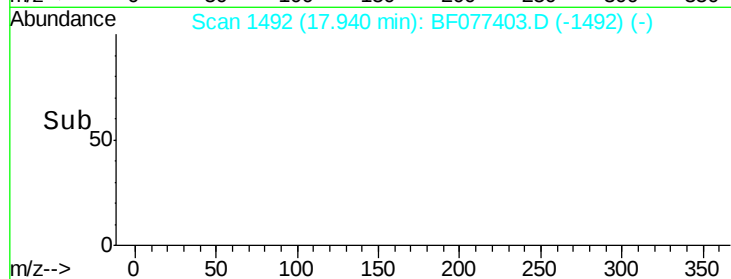
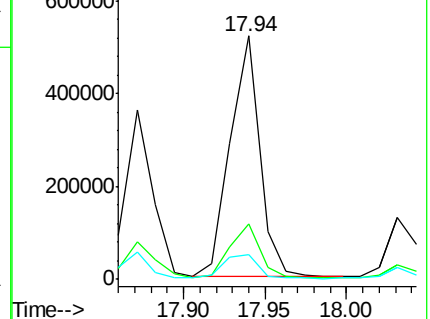
125 10.1 8.3 12.5



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: 3.21 ng

RT: 19.53 min Scan# 1631

Delta R.T. -0.13 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

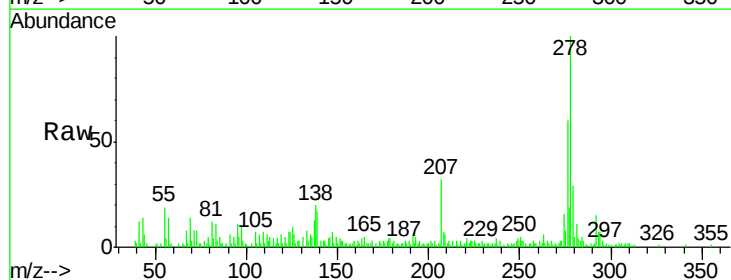
Tgt Ion:278 Resp: 59790

Ion Ratio Lower Upper

278 100

139 17.0 14.3 21.5

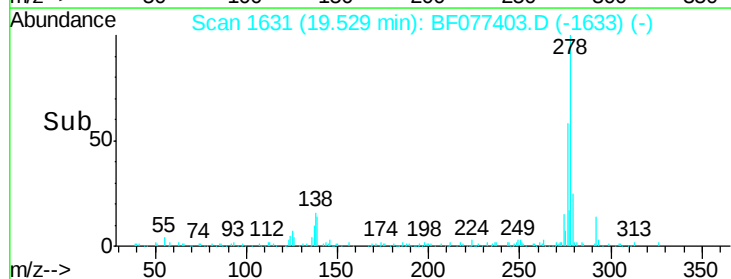
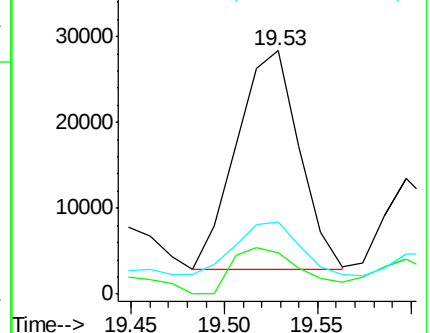
279 29.4 19.0 28.6#

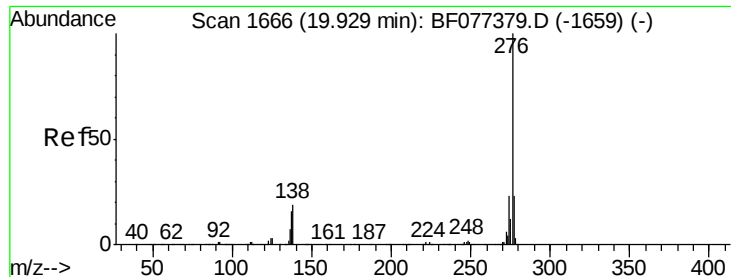


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.59 ng

RT: 19.94 min Scan# 1667

Delta R.T. -0.14 min

Lab File: BF077403.D

Acq: 23 Feb 2015 14:16

Instrument :

BNA_F

ClientSampleId :

HF-3

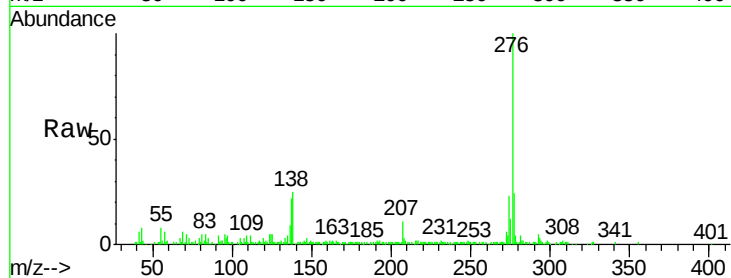
Tgt Ion: 276 Resp: 180327

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 25.2 20.5 30.7



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

