

Data Path : Z:\HPCHEM1\BNA_F\Data\BF011215\
 Data File : BF076828.D
 Acq On : 13 Jan 2015 4:10
 Operator : IZ / TP
 Sample : G1030-17
 Misc : S
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1(STROMPIPE)

Quant Time: Jan 13 05:09:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 12 10:43:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33112	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	139146	20.00	ng	0.00
38) Acenaphthene-d10	15.13	164	70259	20.00	ng	0.00
63) Phenanthrene-d10	17.85	188	108463	20.00	ng	0.00
75) Chrysene-d12	21.34	240	108778	20.00	ng	-0.01
86) Perylene-d12	23.04	264	107075	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	182594	92.02	ng	-0.01
7) Phenol-d6	7.48	99	235418	94.24	ng	-0.02
23) Nitrobenzene-d5	9.37	82	140991	56.31	ng	-0.01
41) 2,4,6-Tribromophenol	16.77	330	46332	79.01	ng	-0.01
44) 2-Fluorobiphenyl	13.65	172	254862	53.39	ng	0.00
78) Terphenyl-d14	20.07	244	223451	45.10	ng	0.00

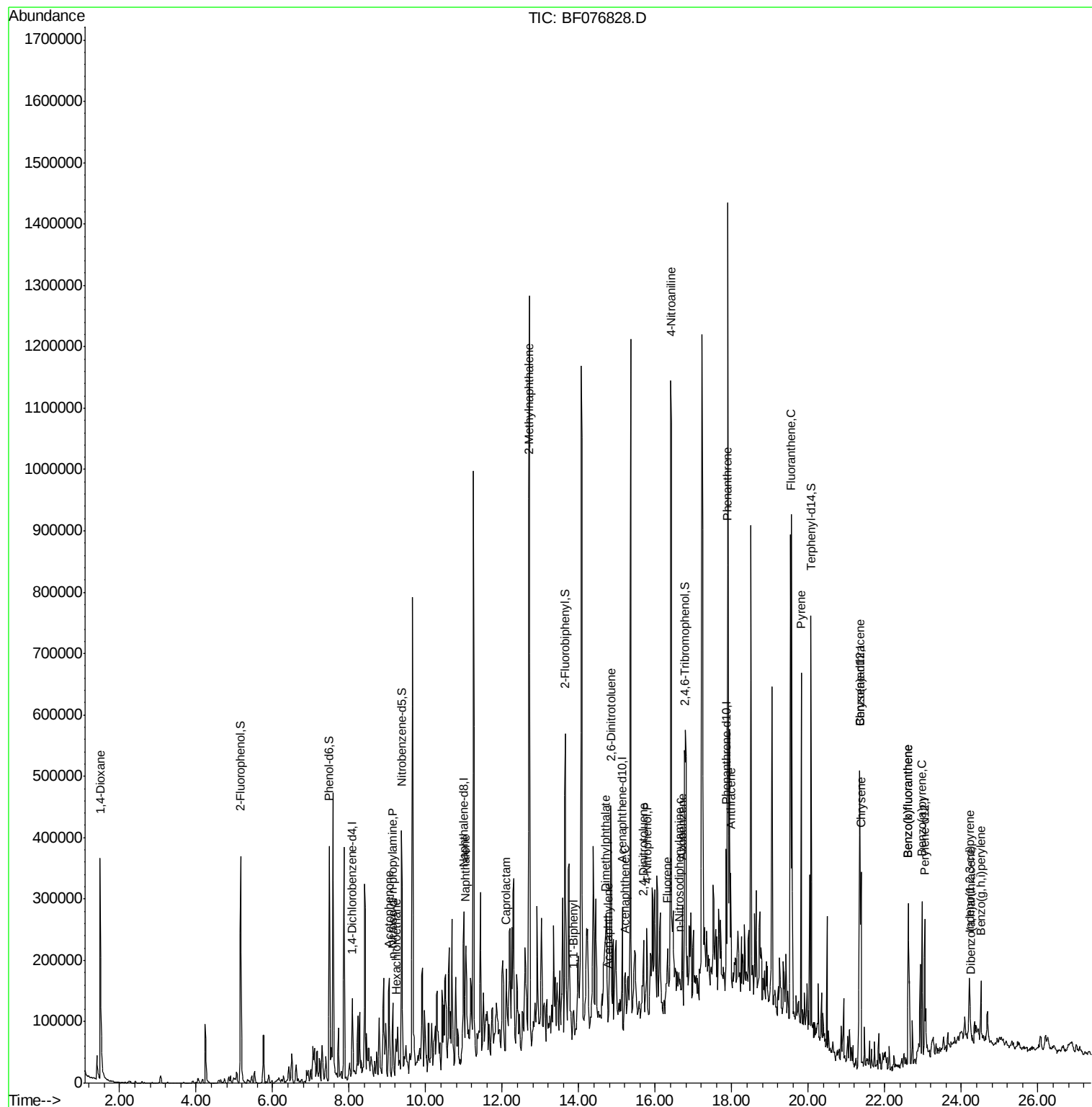
Target Compounds						Qvalue
2) 1,4-Dioxane	1.49	88	14521	17.16	ng	# 14
18) Hexachloroethane	9.22	117	2317	2.35	ng	# 1
19) n-Nitroso-di-n-propylamine	9.14	70	3847	2.17	ng	# 35
22) Acetophenone	9.03	105	33803	9.89	ng	# 57
31) Naphthalene	11.04	128	58746	8.23	ng	# 90
35) Caprolactam	12.11	113	1267	2.28	ng	# 1
37) 2-Methylnaphthalene	12.70	142	131540	26.26	ng	97
45) 1,1'-Biphenyl	13.85	154	16185	3.00	ng	96
48) Acenaphthylene	14.78	152	17262	2.35	ng	# 87
49) Dimethylphthalate	14.70	163	32224	6.31	ng	98
50) 2,6-Dinitrotoluene	14.84	165	2425	2.24	ng	# 53
51) Acenaphthene	15.20	154	9930	2.39	ng	# 70
55) 4-Nitrophenol	15.77	139	4413	5.54	ng	# 67
56) 2,4-Dinitrotoluene	15.69	165	4804	3.47	ng	# 52
57) Fluorene	16.32	166	24305	4.79	ng	# 85
61) 4-Nitroaniline	16.40	138	2608	2.28	ng	# 80
62) Azobenzene	16.71	77	33063	6.13	ng	# 1
65) n-Nitrosodiphenylamine	16.62	169	11938	3.03	ng	# 51
70) Phenanthrene	17.89	178	188007	27.81	ng	97
71) Anthracene	17.97	178	63342	9.65	ng	98
74) Fluoranthene	19.53	202	337805	48.79	ng	99
77) Pyrene	19.81	202	277670	35.48	ng	# 95
80) Benzo(a)anthracene	21.34	228	164871	23.79	ng	100
82) Chrysene	21.37	228	125894	20.08	ng	97
85) Indeno(1,2,3-cd)pyrene	24.21	276	63366	10.21	ng	# 100
87) Benzo(b)fluoranthene	22.61	252	217752	29.36	ng	97
88) Benzo(k)fluoranthene	22.61	252	217390	33.53	ng	# 98
89) Benzo(a)pyrene	22.97	252	118579	18.61	ng	93
90) Dibenzo(a,h)anthracene	24.23	278	14819	2.55	ng	# 80
91) Benzo(g,h,i)perylene	24.51	276	59254	10.00	ng	96

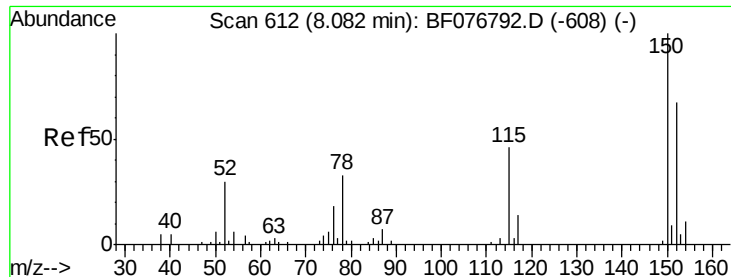
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 612

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

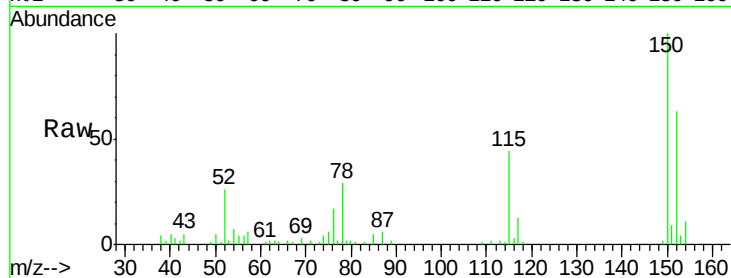
Tgt Ion:152 Resp: 33112

Ion Ratio Lower Upper

152 100

150 158.3 119.5 179.3

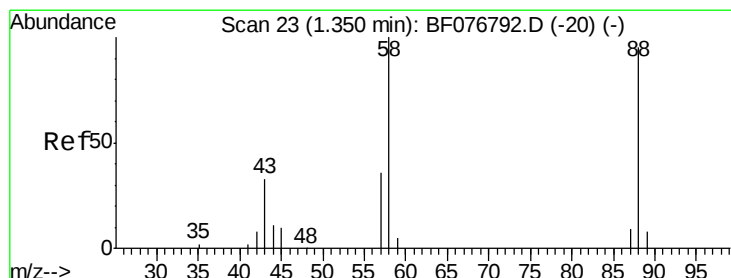
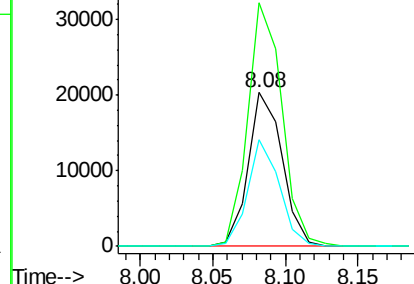
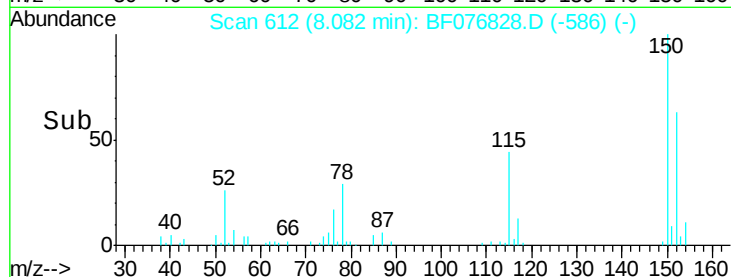
115 69.4 54.6 81.8



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



#2

1,4-Dioxane

Concen: 17.16 ng

RT: 1.49 min Scan# 35

Delta R.T. 0.14 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

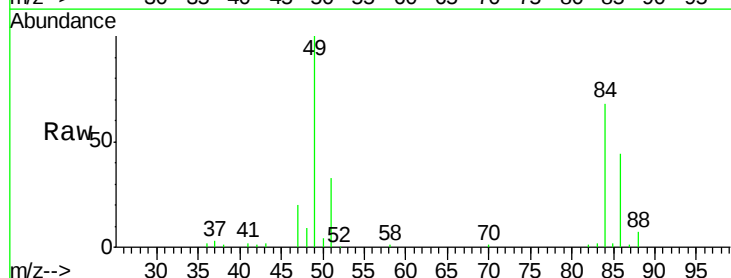
Tgt Ion: 88 Resp: 14521

Ion Ratio Lower Upper

88 100

58 0.0 72.4 108.6#

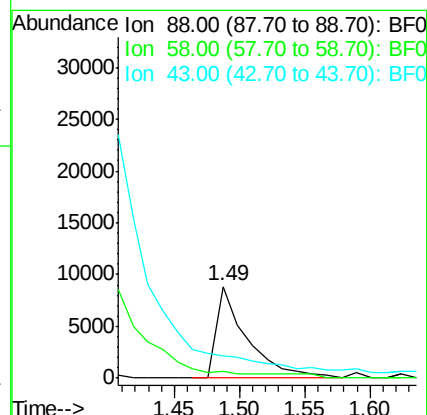
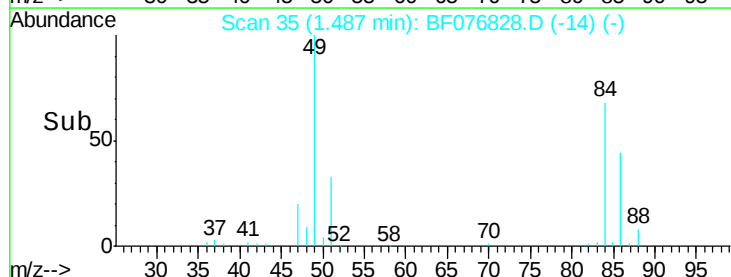
43 0.0 24.0 36.0#

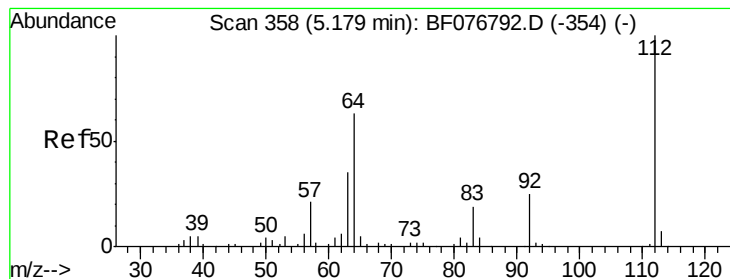


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 92.02 ng

RT: 5.17 min Scan# 357

Delta R.T. -0.01 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

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ClientSampleId :

SS-1(STROMPIPE)

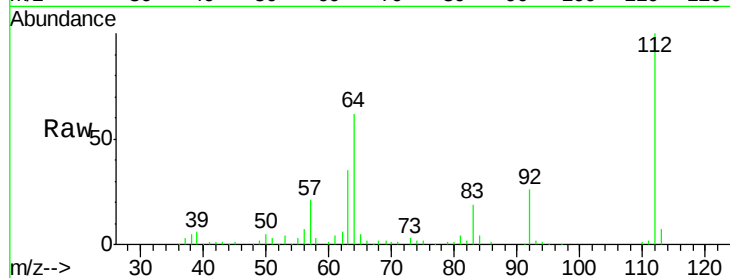
Tgt Ion: 112 Resp: 182594

Ion Ratio Lower Upper

112 100

64 61.9 50.2 75.4

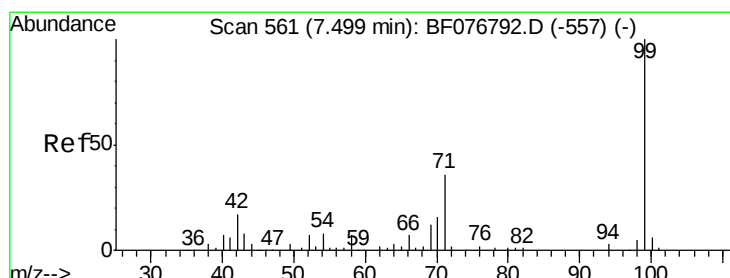
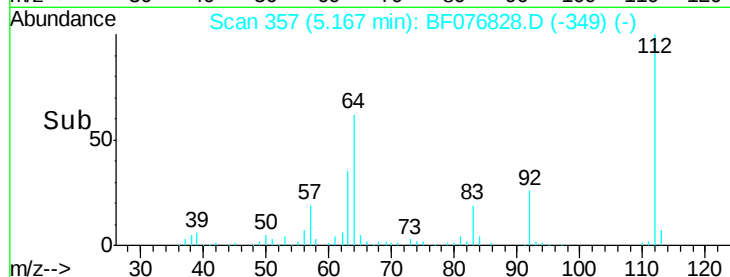
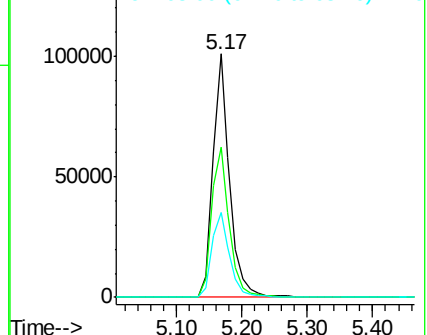
63 35.0 27.8 41.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 94.24 ng

RT: 7.48 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

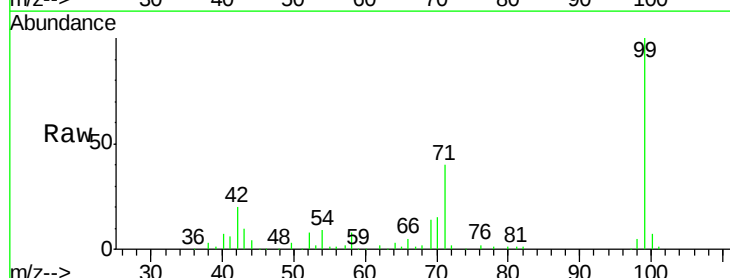
Tgt Ion: 99 Resp: 235418

Ion Ratio Lower Upper

99 100

42 19.7 13.3 19.9

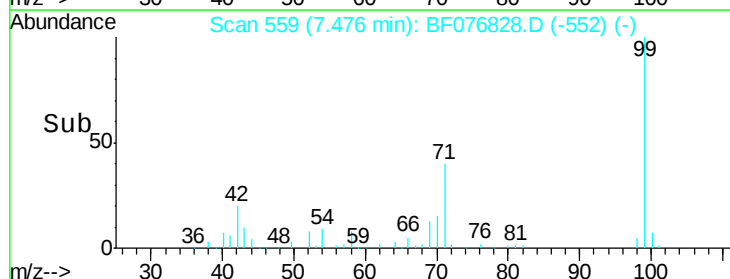
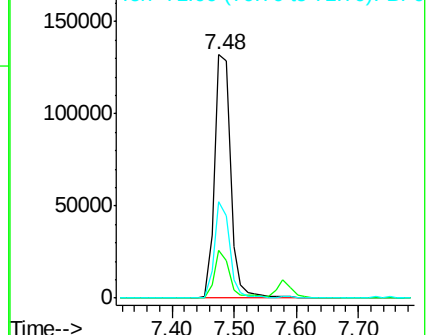
71 39.8 29.2 43.8

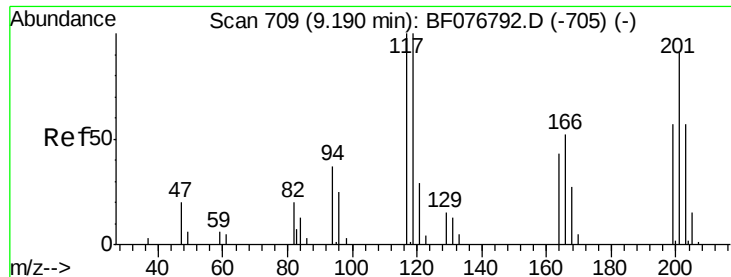


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

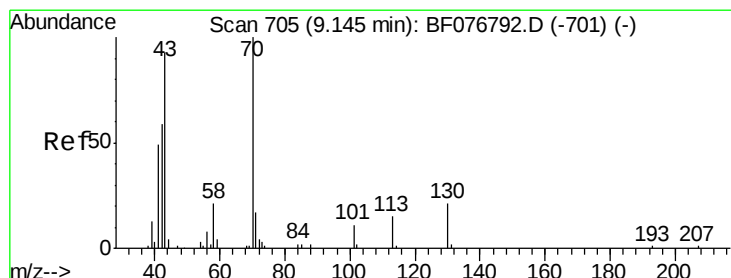
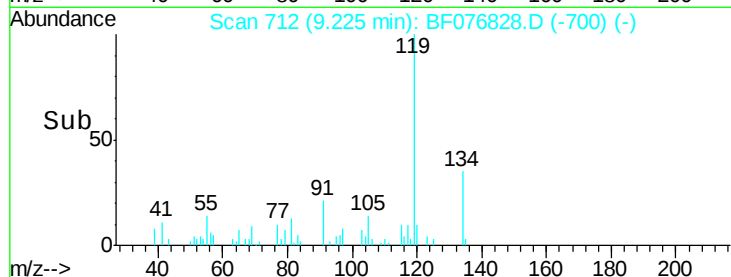
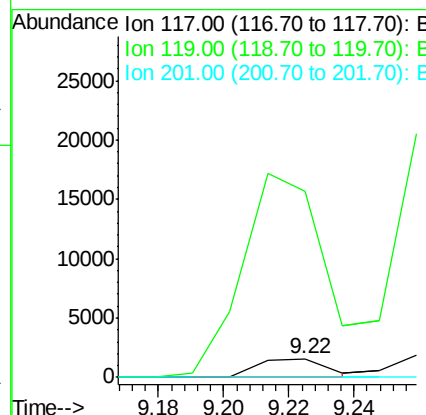
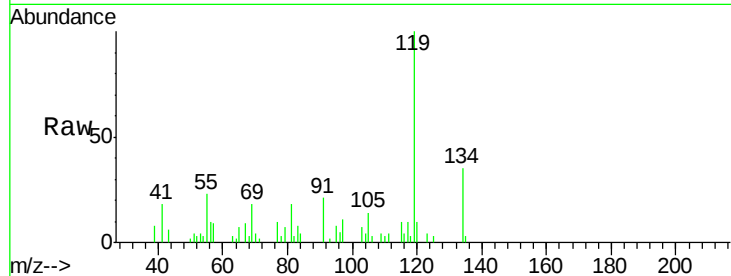




#18
Hexachloroethane
Concen: 2.35 ng
RT: 9.22 min Scan# 712
Delta R.T. 0.03 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

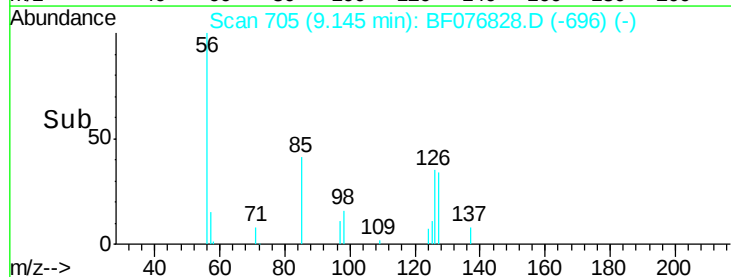
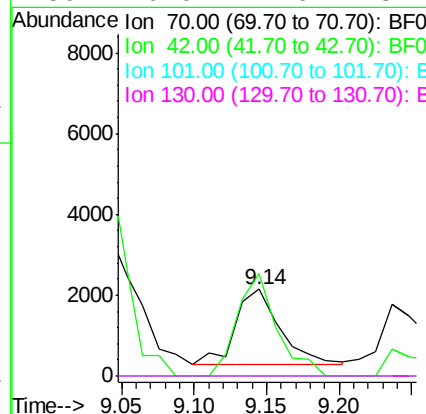
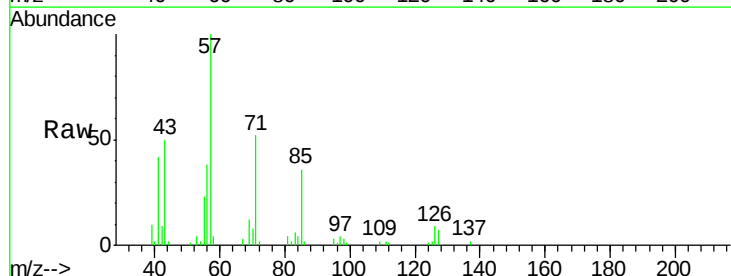
Instrument :
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SS-1(STROMPIPE)

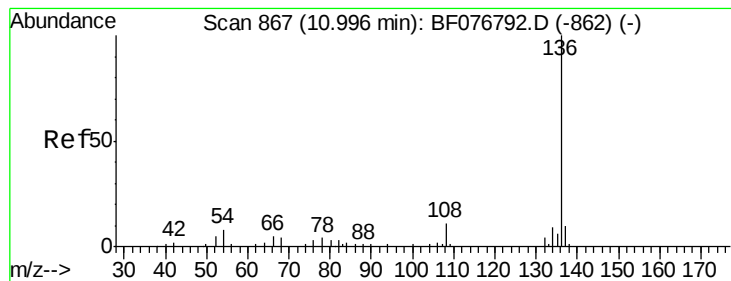
Tgt Ion: 117 Resp: 2317
Ion Ratio Lower Upper
117 100
119 992.0 80.0 120.0#
201 0.0 73.0 109.4#



#19
n-Nitroso-di-n-propylamine
Concen: 2.17 ng
RT: 9.14 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Tgt Ion: 70 Resp: 3847
Ion Ratio Lower Upper
70 100
42 117.4 47.1 70.7#
101 0.0 8.5 12.7#
130 0.0 17.0 25.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

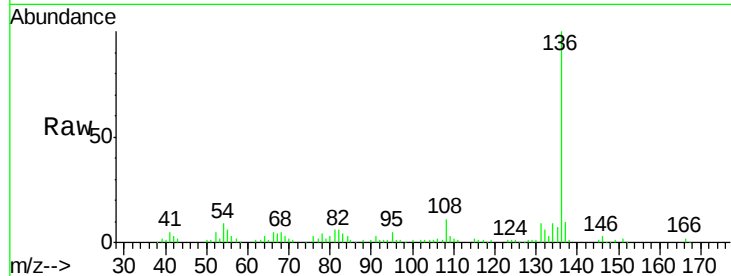
Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

Tgt Ion:	136	Resp:	139146
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.1	12.1
54	8.7	6.3	9.5
68	5.0	3.4	5.0#

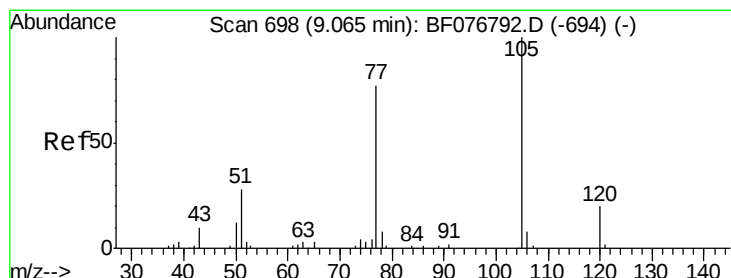
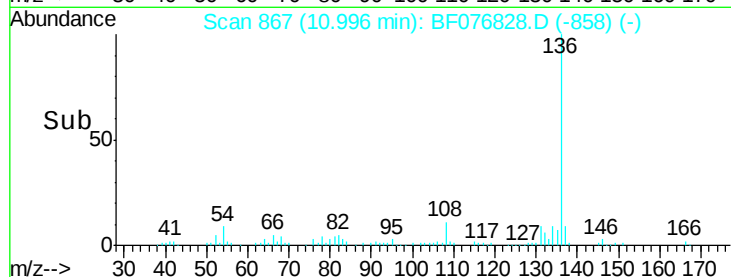
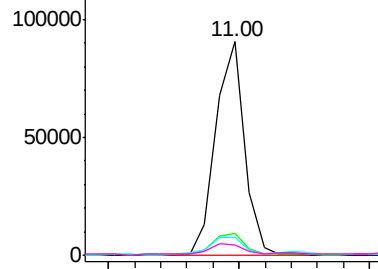


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 9.89 ng

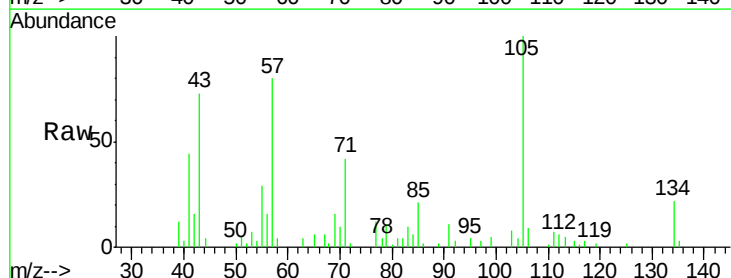
RT: 9.03 min Scan# 695

Delta R.T. -0.03 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Tgt Ion:	105	Resp:	33803
Ion Ratio	Lower	Upper	
105	100		
71	42.0	0.0	0.0#
51	5.1	22.2	33.2#
120	0.0	15.7	23.5#

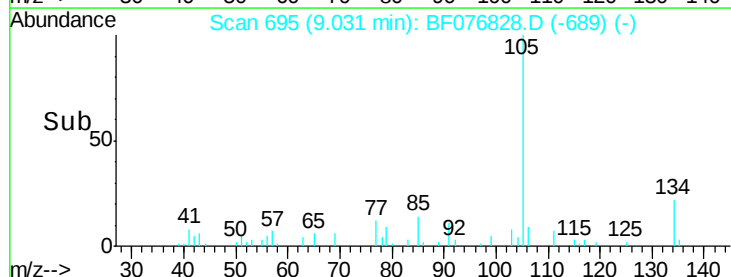
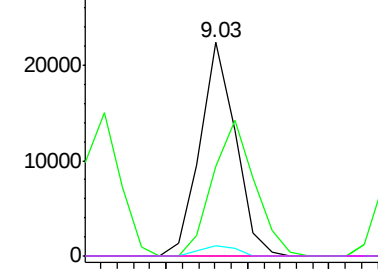


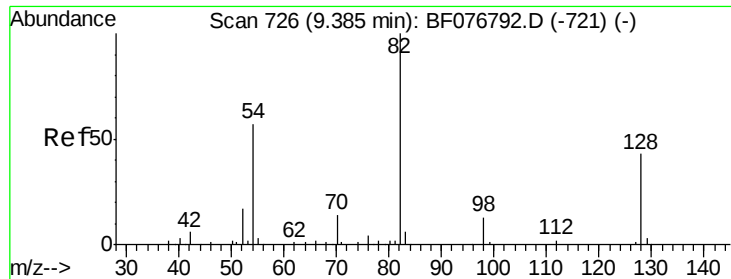
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

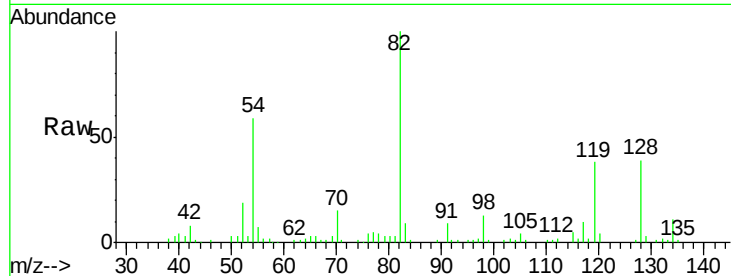




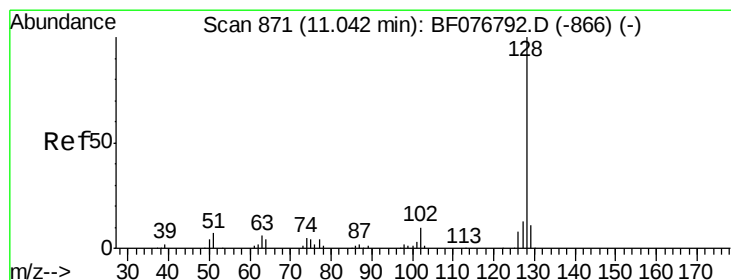
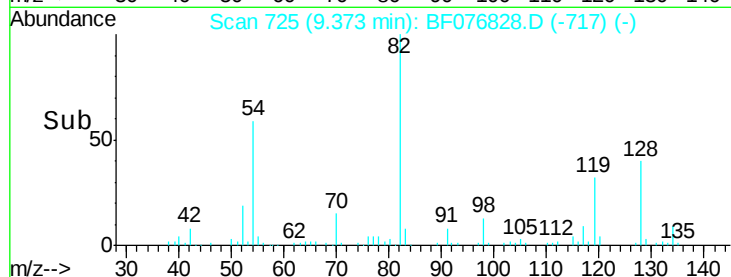
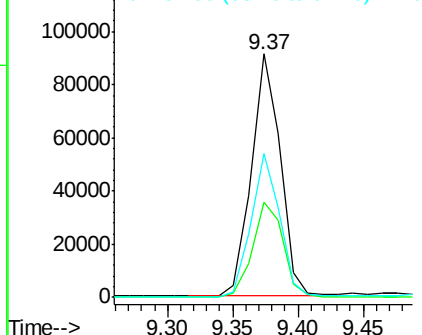
#23
Nitrobenzene-d5
Concen: 56.31 ng
RT: 9.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Instrument :
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Tgt Ion: 82 Resp: 140991
Ion Ratio Lower Upper
82 100
128 39.3 34.0 51.0
54 58.9 45.6 68.4

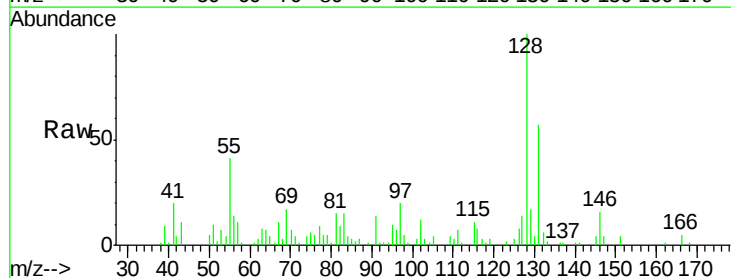


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

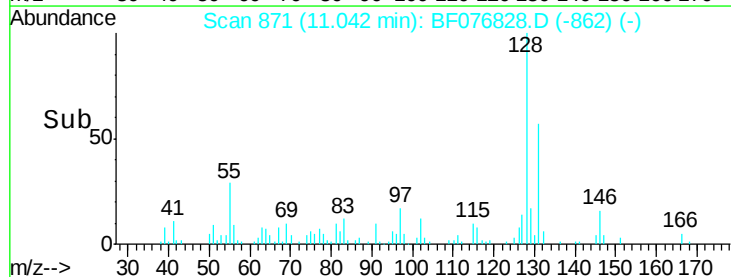
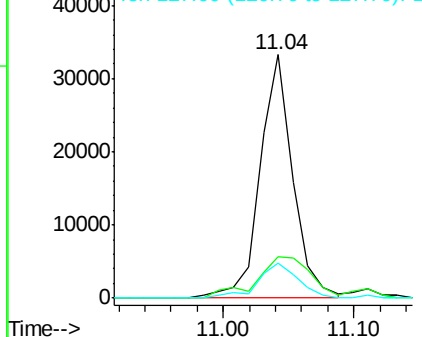


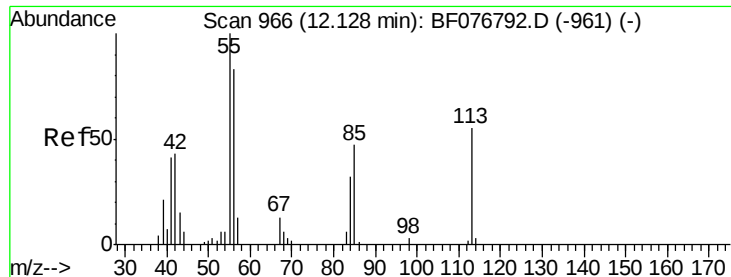
#31
Naphthalene
Concen: 8.23 ng
RT: 11.04 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Tgt Ion: 128 Resp: 58746
Ion Ratio Lower Upper
128 100
129 16.8 8.6 13.0#
127 14.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

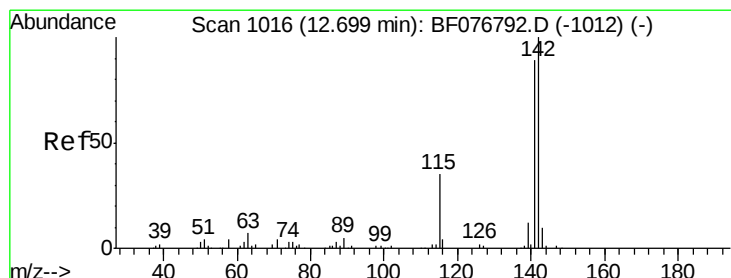
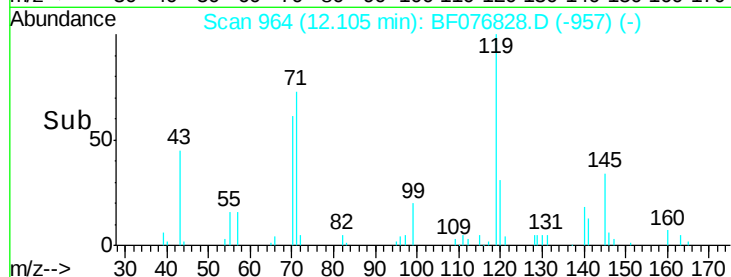
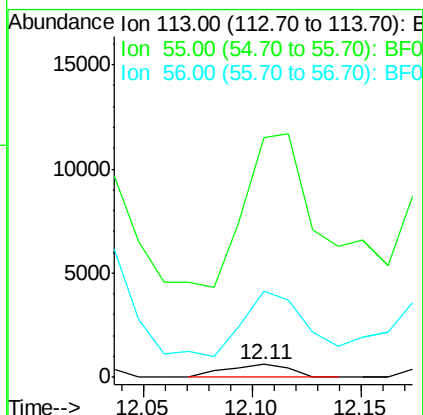
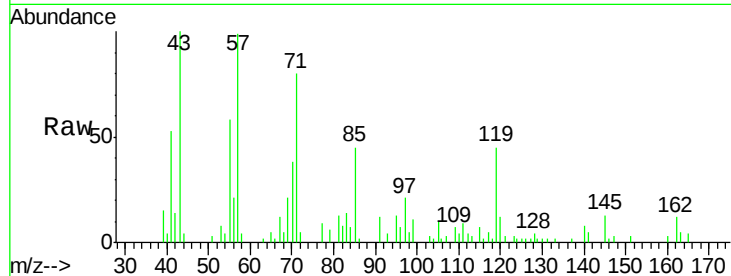




#35
 Caprolactam
 Concen: 2.28 ng
 RT: 12.11 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF076828.D
 Acq: 13 Jan 2015 4:10

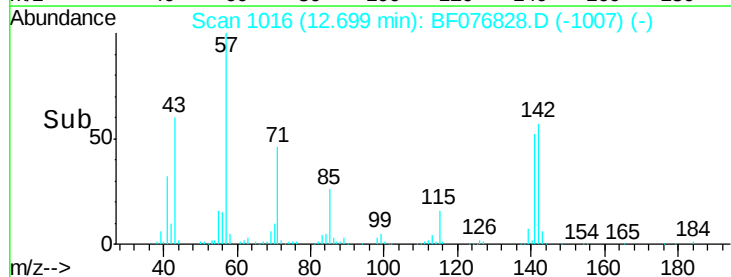
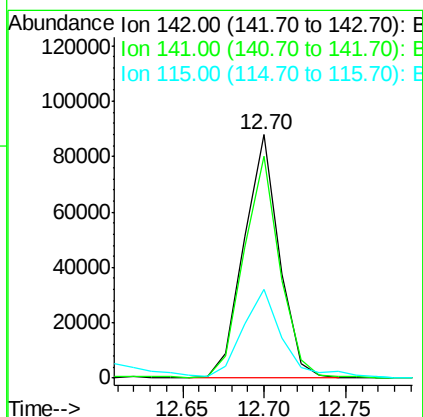
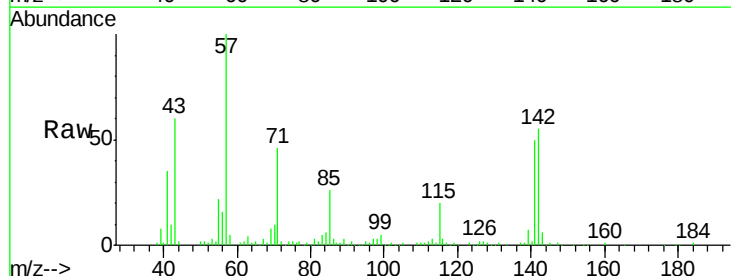
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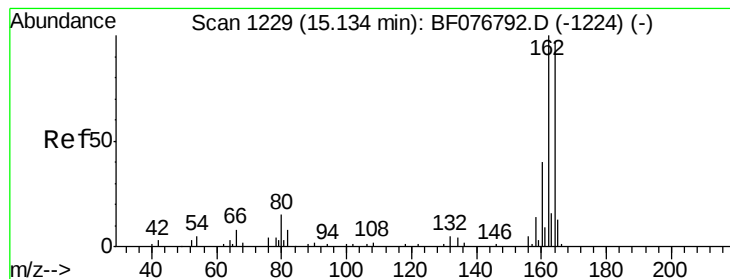
Tgt Ion:113 Resp: 1267
 Ion Ratio Lower Upper
 113 100
 55 1854.8 173.2 213.2#
 56 670.0 137.6 177.6#



#37
 2-Methylnaphthalene
 Concen: 26.26 ng
 RT: 12.70 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: BF076828.D
 Acq: 13 Jan 2015 4:10

Tgt Ion:142 Resp: 131540
 Ion Ratio Lower Upper
 142 100
 141 91.2 71.0 106.4
 115 36.5 28.2 42.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.13 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

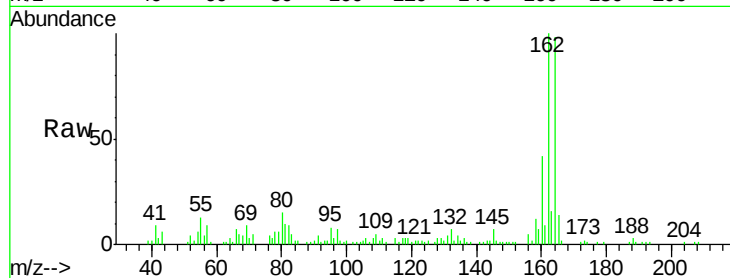
Tgt Ion:164 Resp: 70259

Ion Ratio Lower Upper

164 100

162 102.3 82.5 123.7

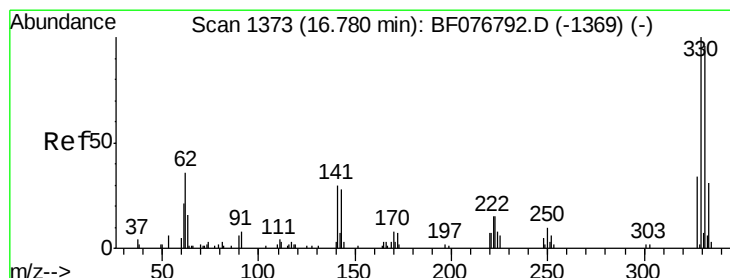
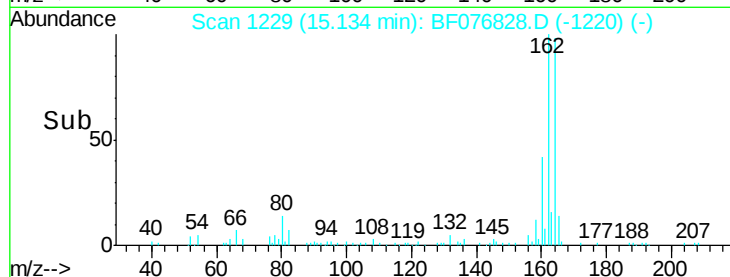
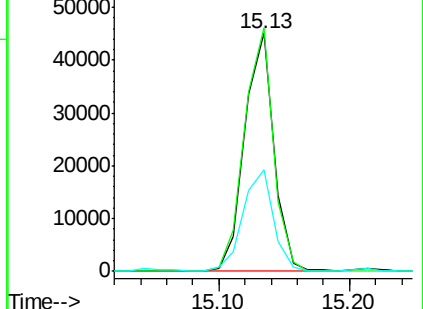
160 42.7 33.1 49.7



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: 79.01 ng

RT: 16.77 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

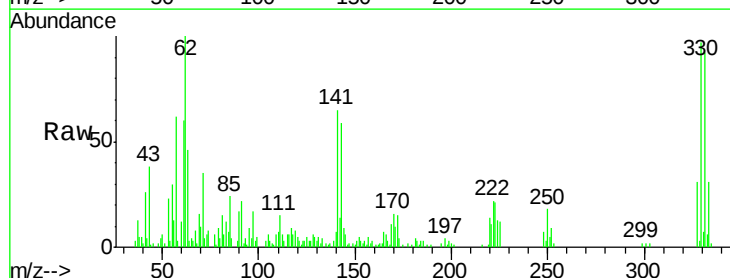
Tgt Ion:330 Resp: 46332

Ion Ratio Lower Upper

330 100

332 98.7 74.8 112.2

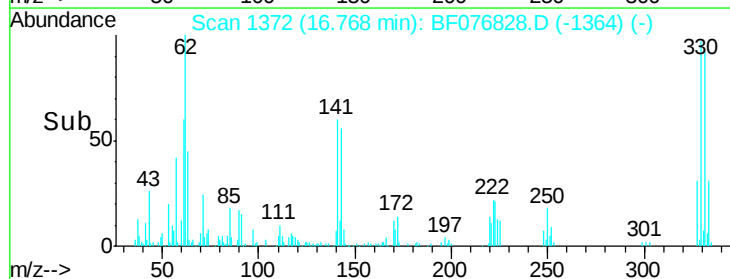
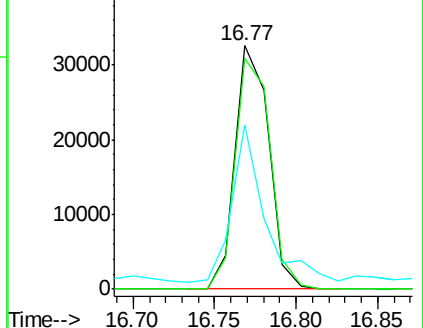
141 62.5 42.4 63.6

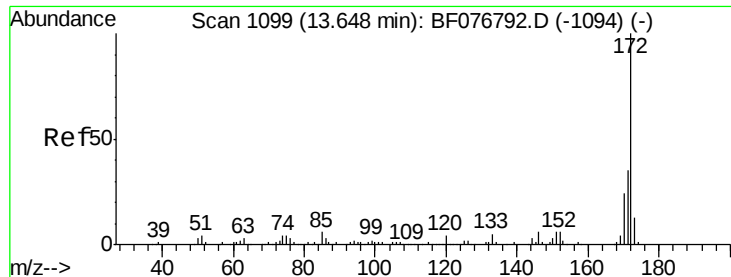


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

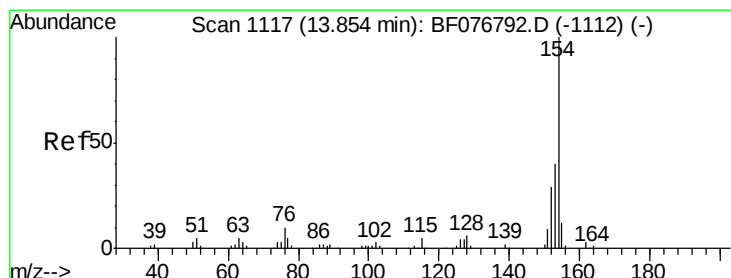
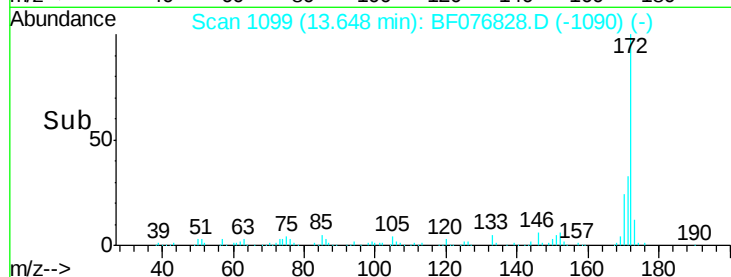
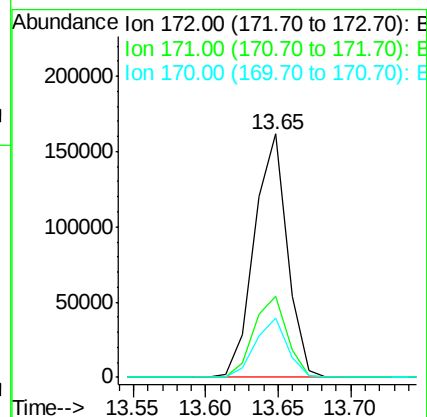
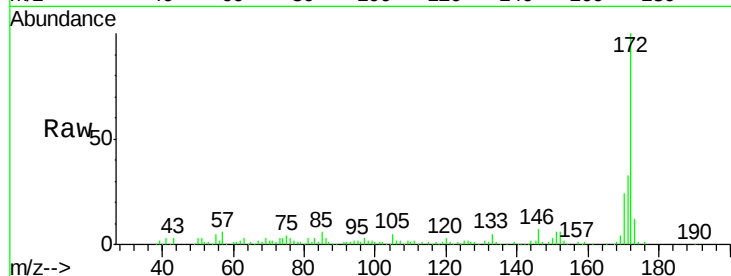




#44
2-Fluorobiphenyl
Concen: 53.39 ng
RT: 13.65 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

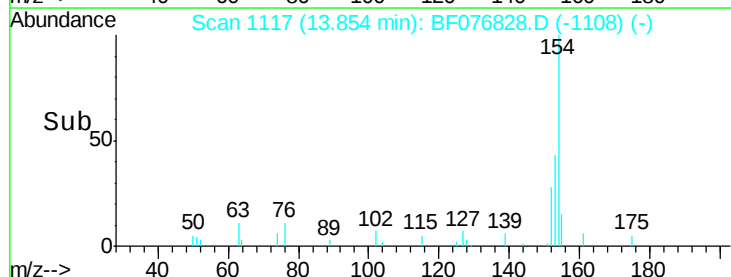
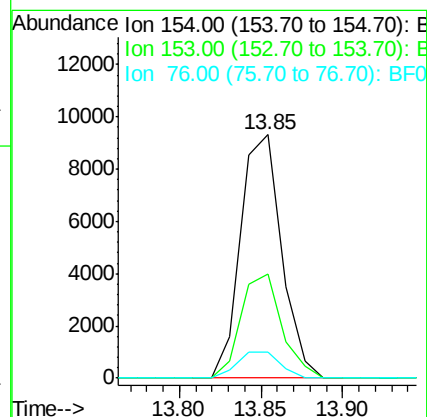
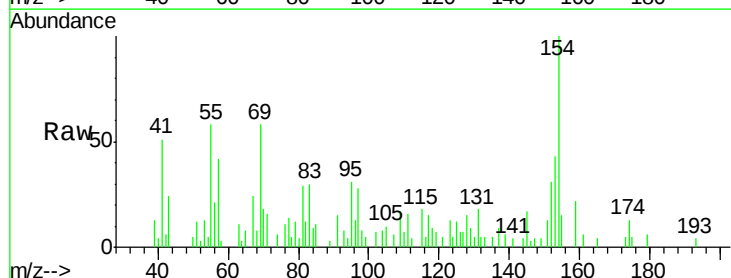
Instrument :
BNA_F
ClientSampleId :
SS-1(STROMPIPE)

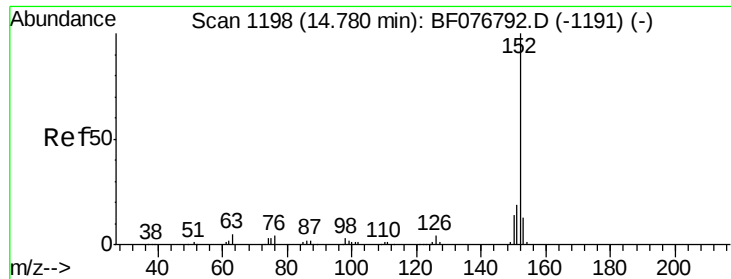
Tgt Ion:172 Resp: 254862
Ion Ratio Lower Upper
172 100
171 33.3 27.8 41.8
170 24.2 18.8 28.2



#45
1,1'-Biphenyl
Concen: 3.00 ng
RT: 13.85 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Tgt Ion:154 Resp: 16185
Ion Ratio Lower Upper
154 100
153 42.5 19.9 59.9
76 10.8 0.0 29.9





#48

Acenaphthylene

Concen: 2.35 ng

RT: 14.78 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

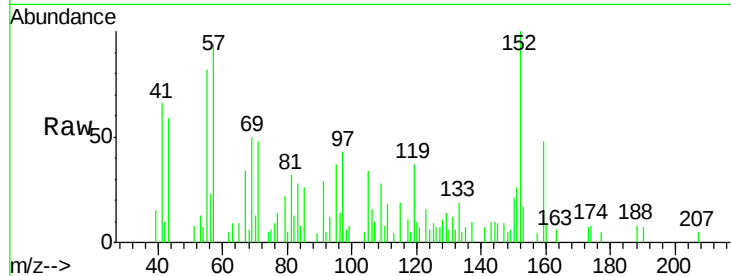
Tgt Ion:152 Resp: 17262

Ion Ratio Lower Upper

152 100

151 25.6 15.2 22.8#

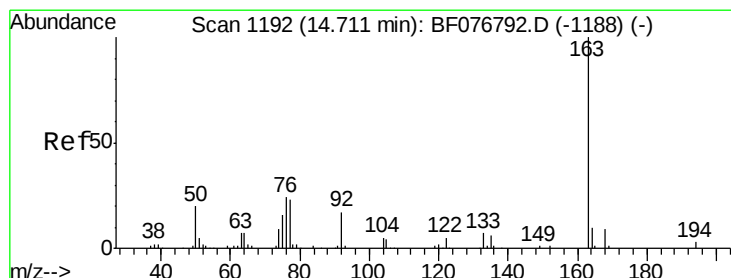
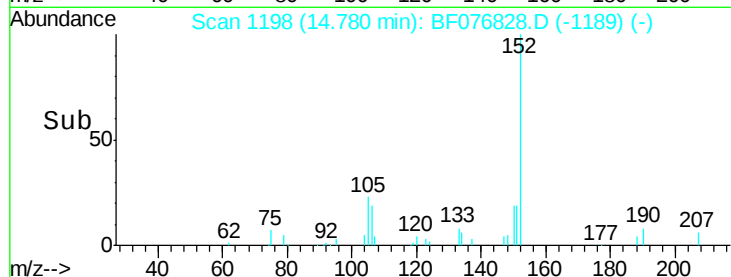
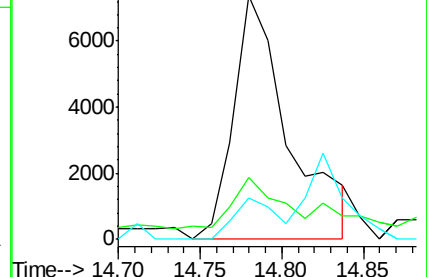
153 17.1 10.5 15.7#



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: 6.31 ng

RT: 14.70 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

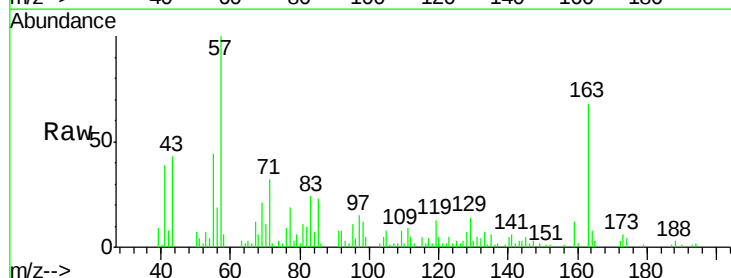
Tgt Ion:163 Resp: 32224

Ion Ratio Lower Upper

163 100

194 2.8 2.3 3.5

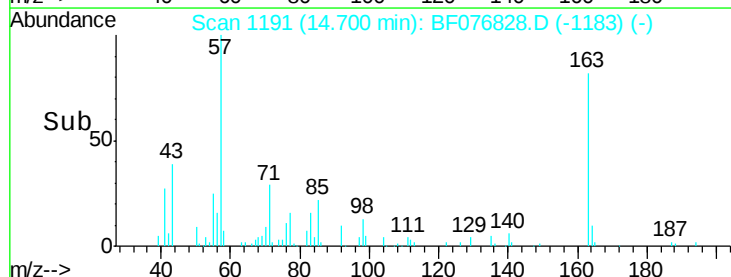
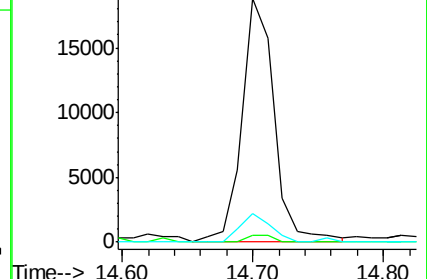
164 11.5 8.3 12.5

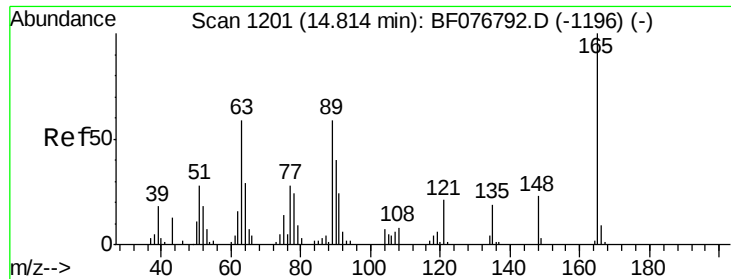


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

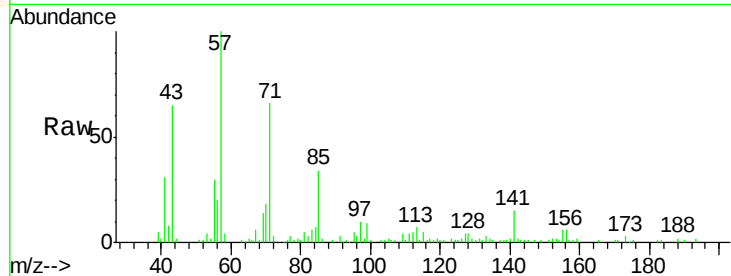




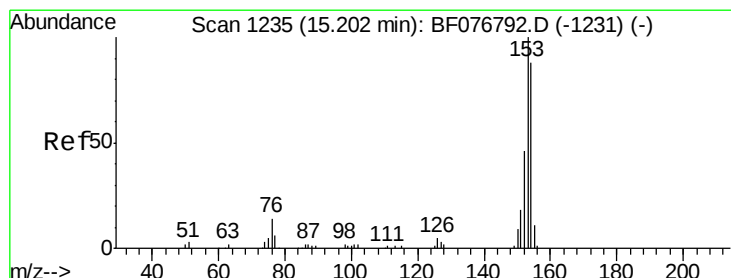
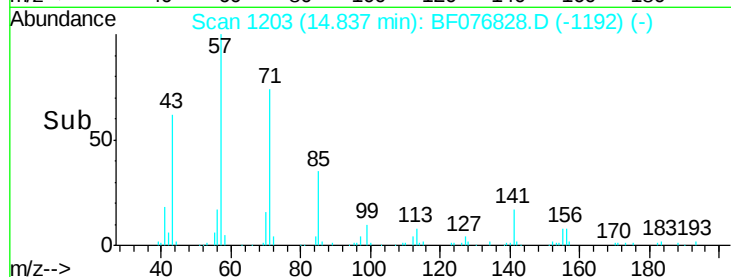
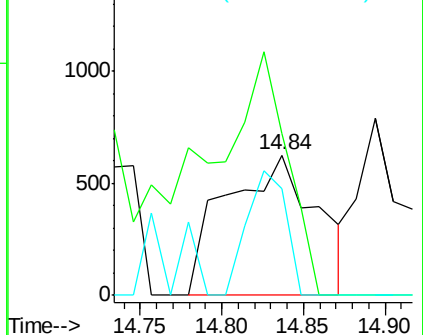
#50
2,6-Dinitrotoluene
Concen: 2.24 ng
RT: 14.84 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SS-1(STROMPIPE)

Tgt Ion:165 Resp: 2425
Ion Ratio Lower Upper
165 100
63 115.8 49.8 74.8#
89 76.2 46.8 70.2#

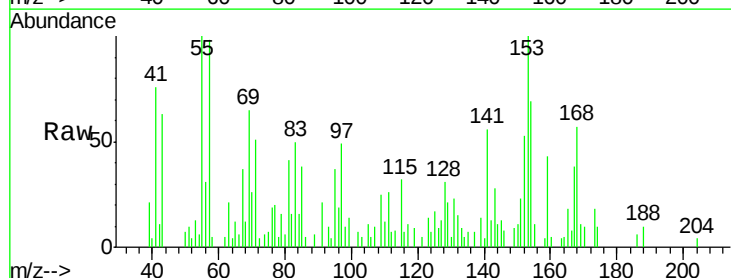


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

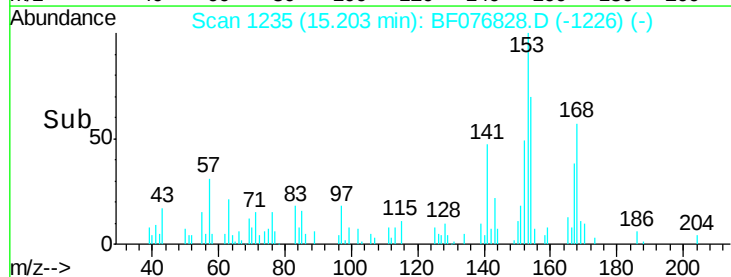
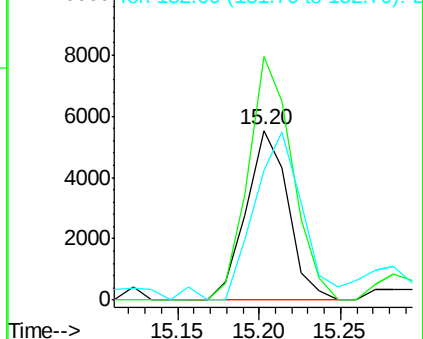


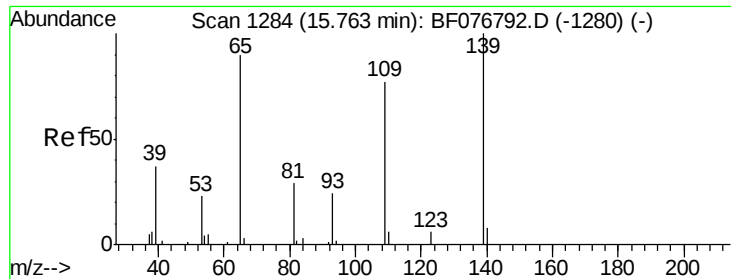
#51
Acenaphthene
Concen: 2.39 ng
RT: 15.20 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Tgt Ion:154 Resp: 9930
Ion Ratio Lower Upper
154 100
153 143.7 91.0 136.6#
152 76.4 42.2 63.2#



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





#55

4-Nitrophenol

Concen: 5.54 ng

RT: 15.77 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

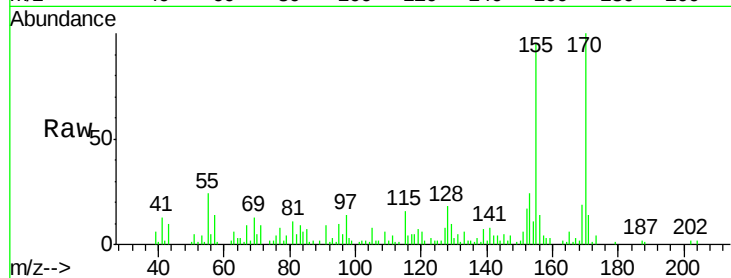
Tgt Ion:139 Resp: 4413

Ion Ratio Lower Upper

139 100

109 86.4 57.5 97.5

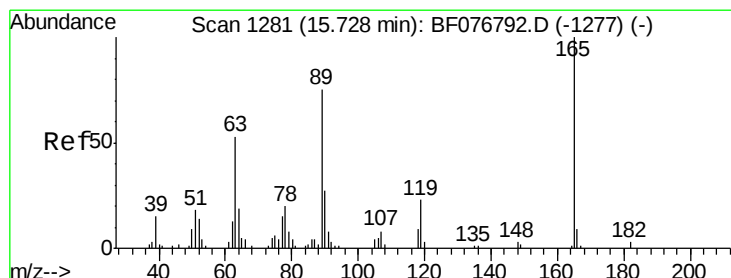
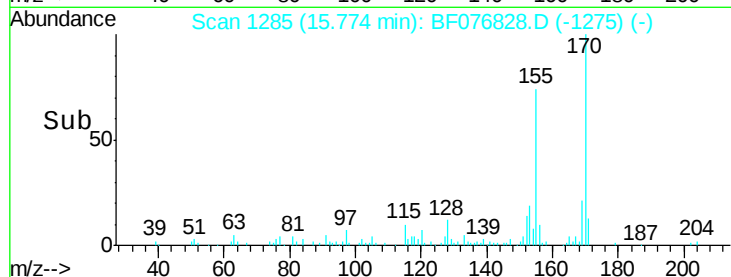
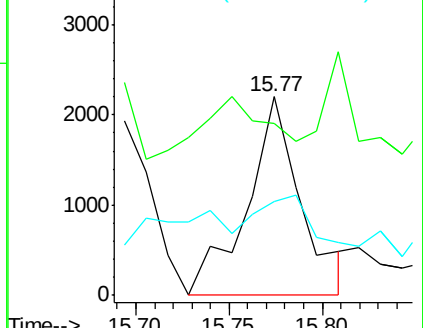
65 47.5 77.3 117.3#



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: 3.47 ng

RT: 15.69 min Scan# 1278

Delta R.T. -0.03 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Tgt Ion:165 Resp: 4804

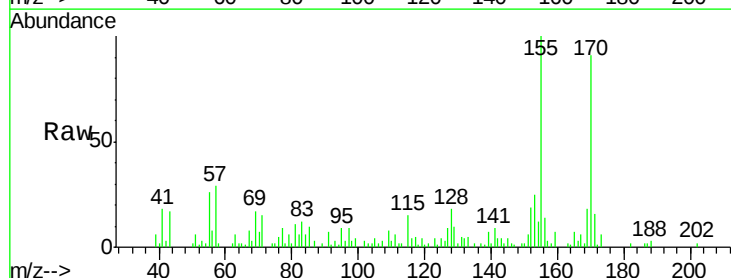
Ion Ratio Lower Upper

165 100

63 86.2 42.5 63.7#

89 33.9 60.2 90.2#

182 29.3 2.0 3.0#

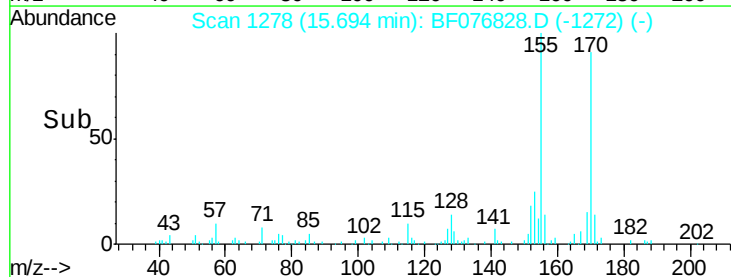
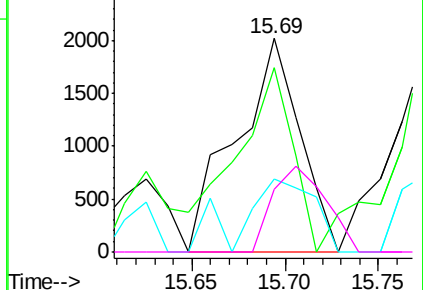


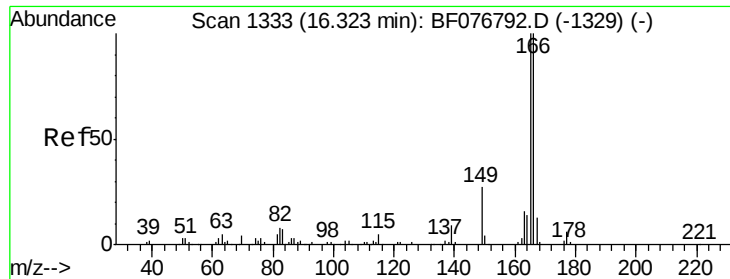
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 4.79 ng

RT: 16.32 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

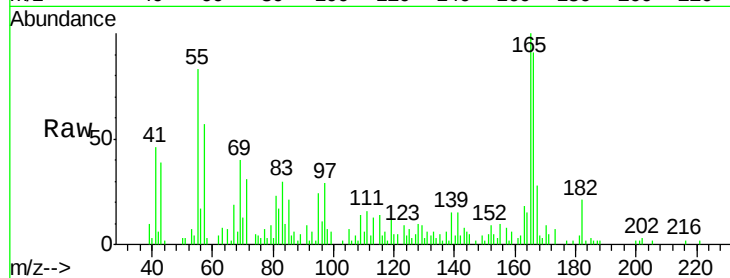
Tgt Ion:166 Resp: 24305

Ion Ratio Lower Upper

166 100

165 110.0 79.6 119.4

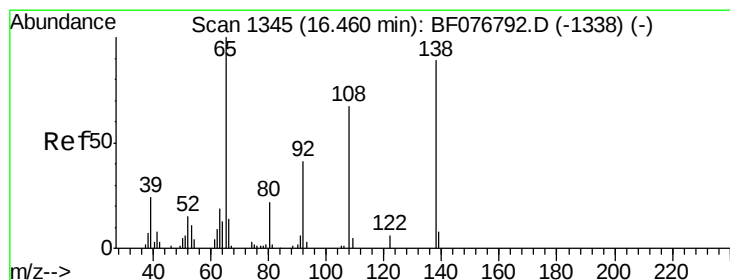
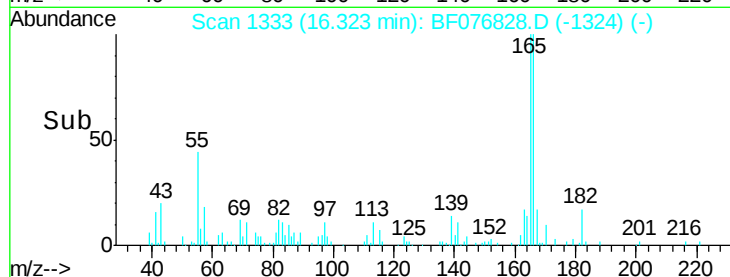
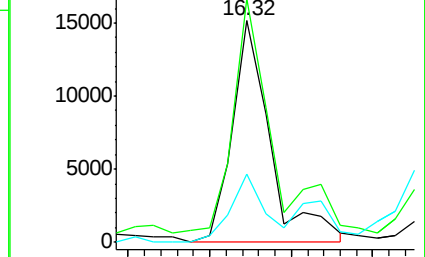
167 30.8 10.2 15.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 2.28 ng

RT: 16.40 min Scan# 1340

Delta R.T. -0.06 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

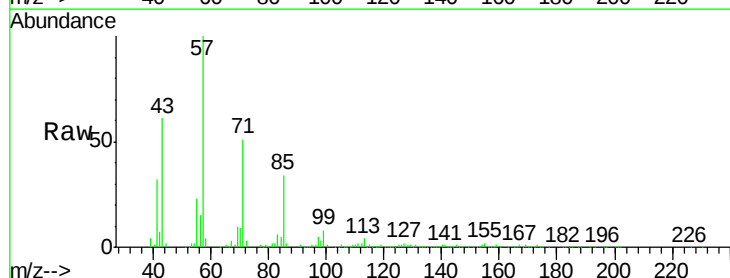
Tgt Ion:138 Resp: 2608

Ion Ratio Lower Upper

138 100

92 74.7 26.3 66.3#

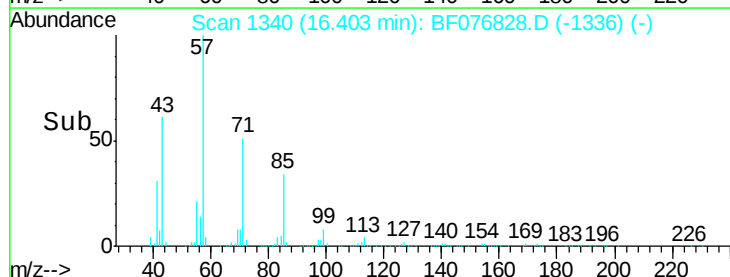
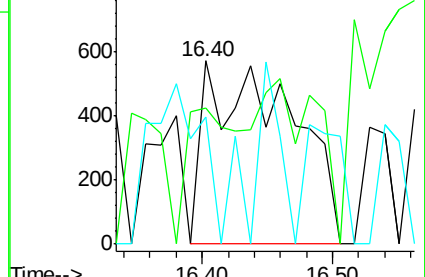
108 69.8 54.5 94.5

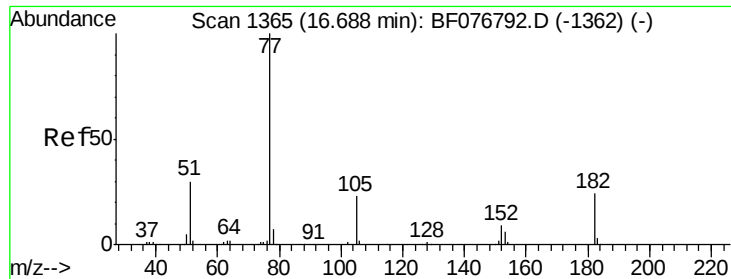


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 6.13 ng

RT: 16.71 min Scan# 1367

Delta R.T. 0.02 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

Tgt Ion: 77 Resp: 33063

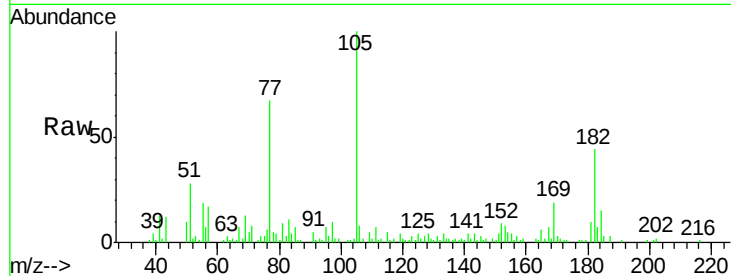
Ion Ratio Lower Upper

77 100

182 65.5 3.7 43.7#

105 148.6 2.7 42.7#

51 41.7 11.8 51.8

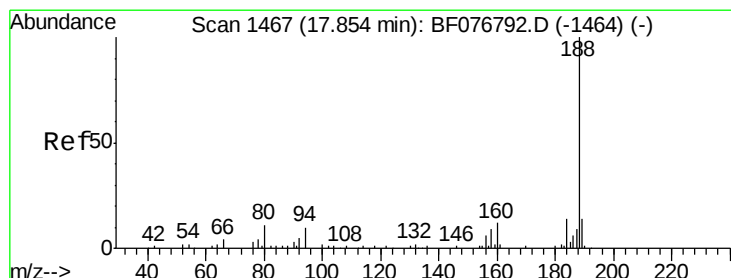
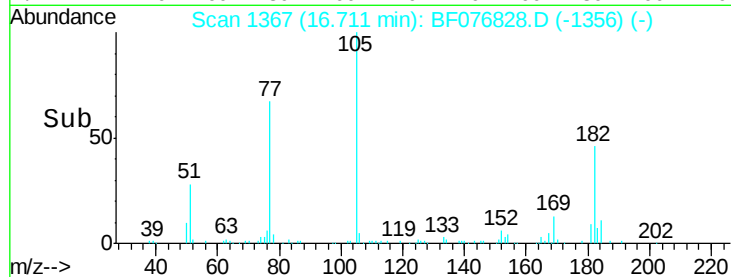
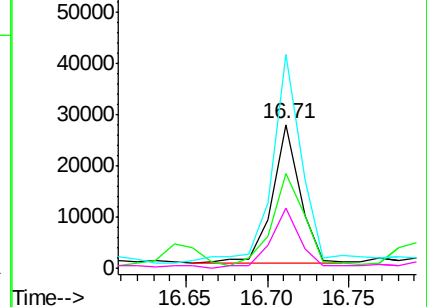


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 17.85 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

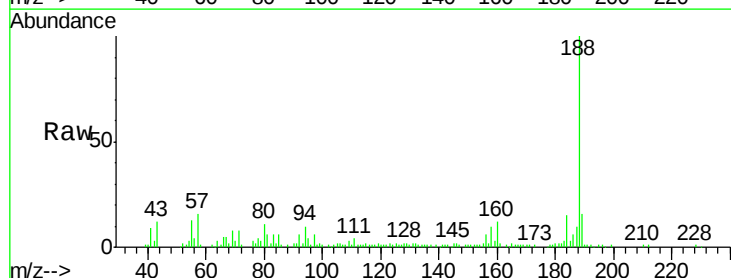
Tgt Ion: 188 Resp: 108463

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

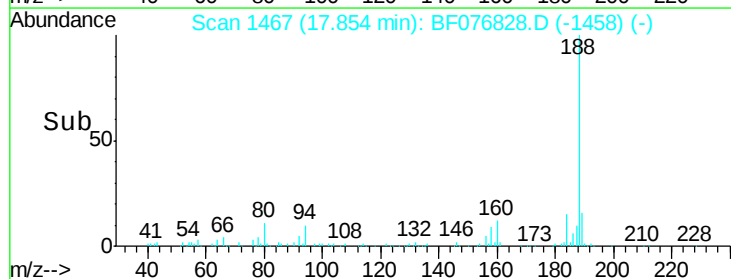
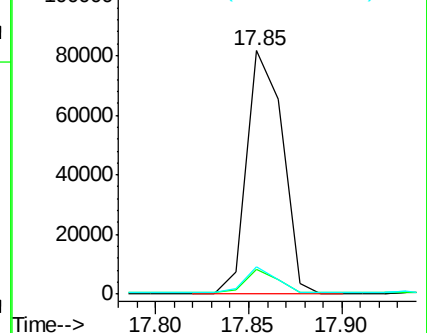
80 11.2 8.6 13.0

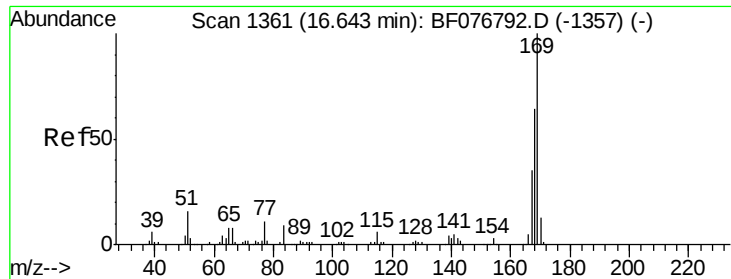


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

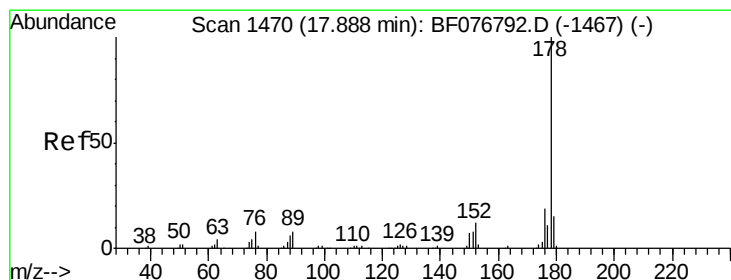
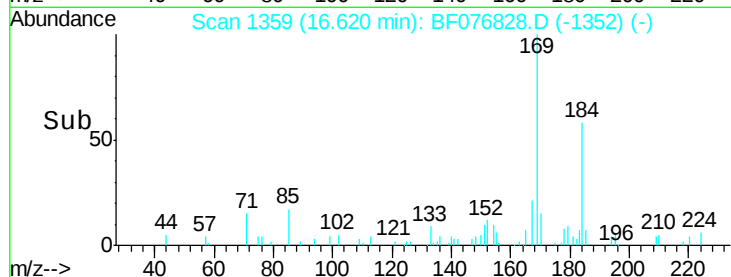
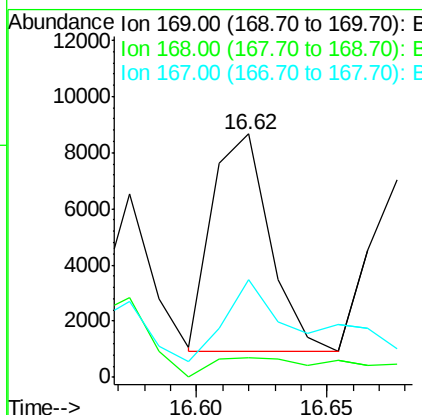
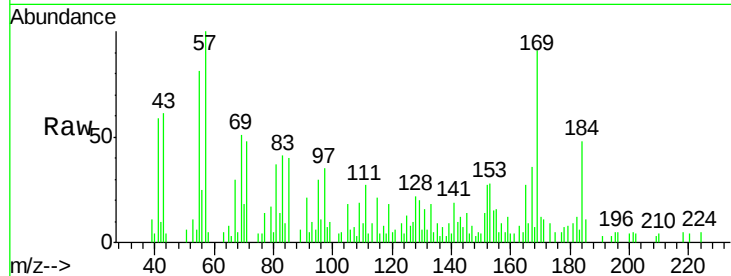




#65
n-Nitrosodiphenylamine
Concen: 3.03 ng
RT: 16.62 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

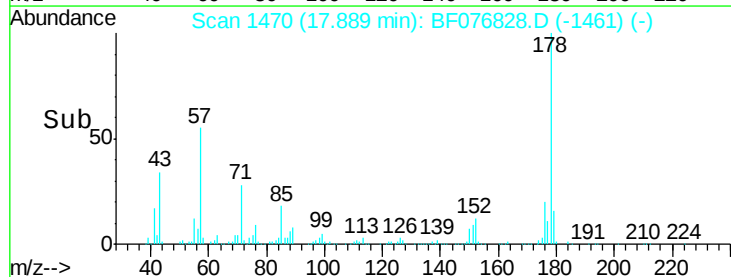
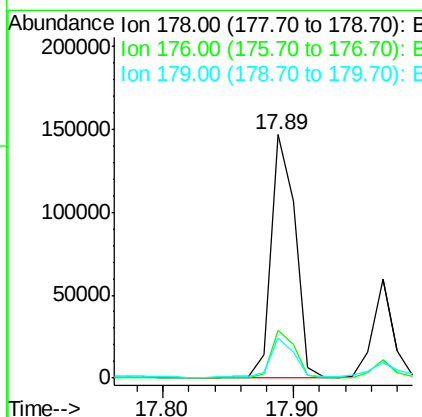
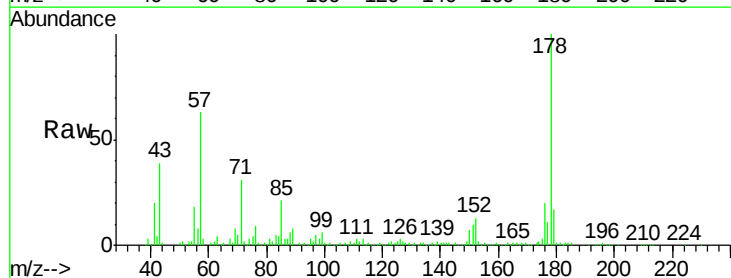
Instrument :
BNA_F
ClientSampleId :
SS-1(STROMPIPE)

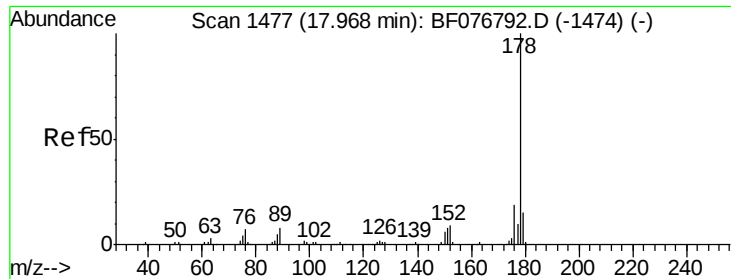
Tgt Ion:169 Resp: 11938
Ion Ratio Lower Upper
169 100
168 7.9 51.2 76.8#
167 40.1 28.2 42.2



#70
Phenanthrene
Concen: 27.81 ng
RT: 17.89 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Tgt Ion:178 Resp: 188007
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 16.7 11.8 17.8

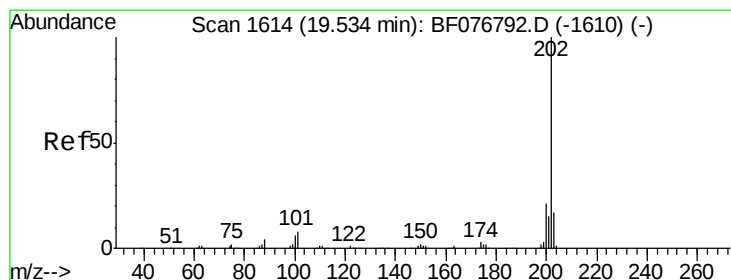
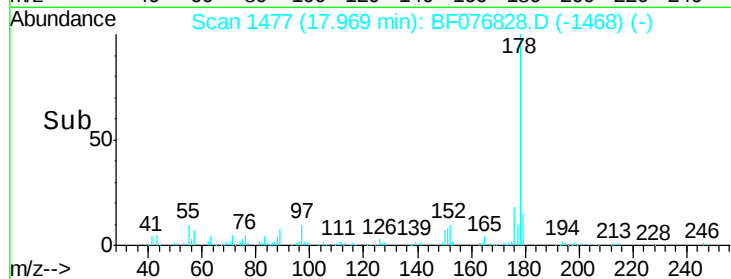
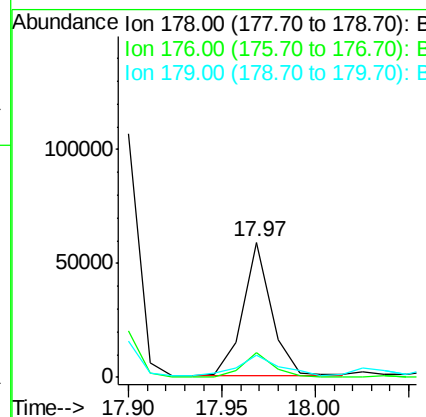
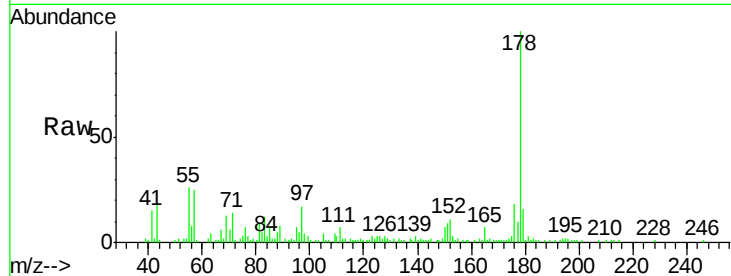




#71
 Anthracene
 Concen: 9.65 ng
 RT: 17.97 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF076828.D
 Acq: 13 Jan 2015 4:10

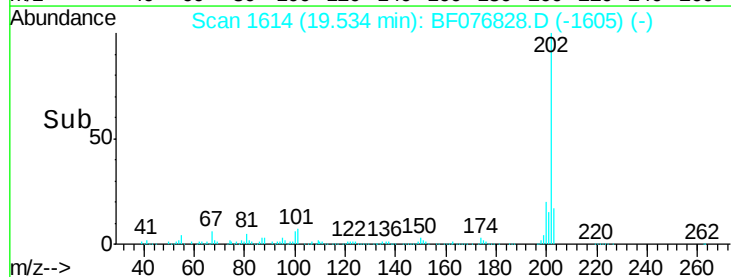
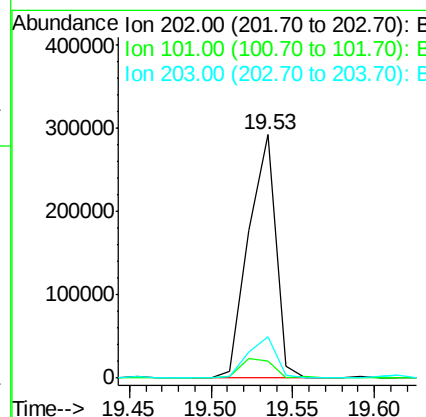
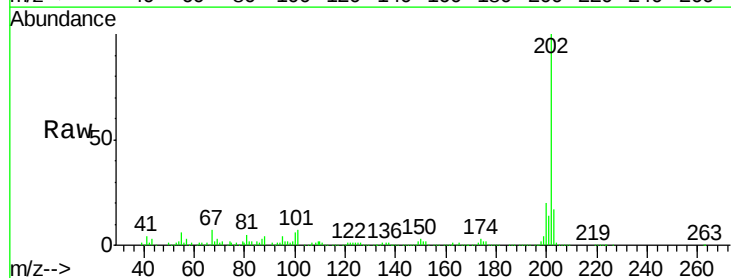
Instrument :
 BNA_F
 ClientSampleId :
 SS-1(STROMPIPE)

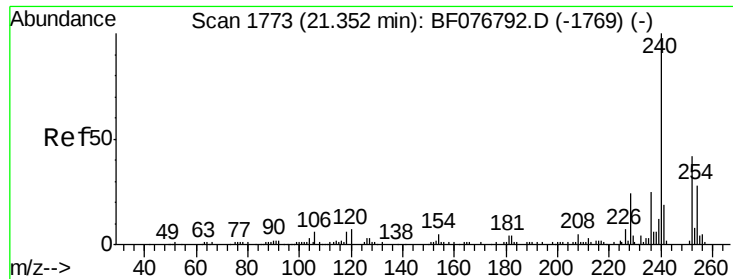
Tgt Ion:178 Resp: 63342
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 16.2 12.2 18.4



#74
 Fluoranthene
 Concen: 48.79 ng
 RT: 19.53 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BF076828.D
 Acq: 13 Jan 2015 4:10

Tgt Ion:202 Resp: 337805
 Ion Ratio Lower Upper
 202 100
 101 7.2 0.0 28.0
 203 17.0 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

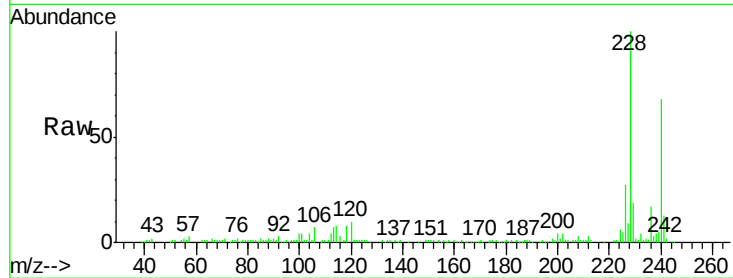
Tgt Ion:240 Resp: 108778

Ion Ratio Lower Upper

240 100

120 15.0 5.7 8.5#

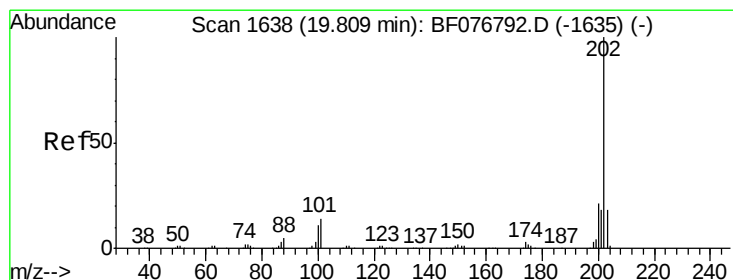
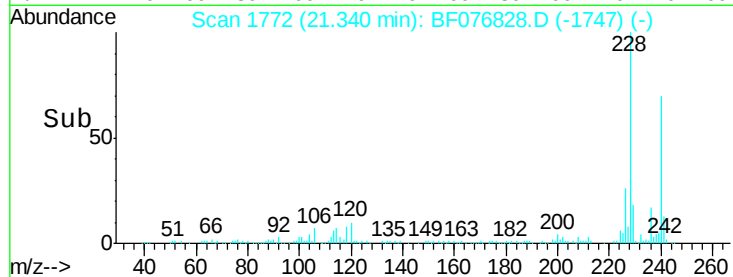
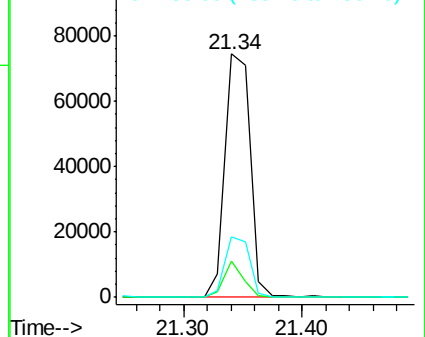
236 24.8 19.7 29.5



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: 35.48 ng

RT: 19.81 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

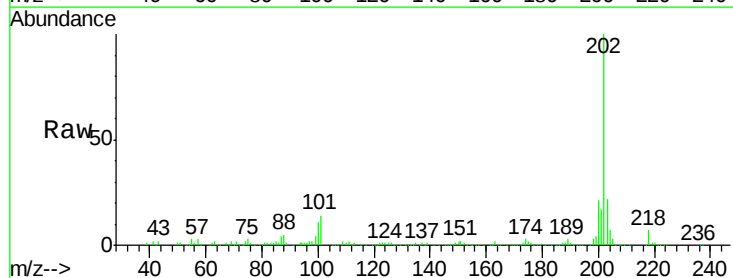
Tgt Ion:202 Resp: 277670

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

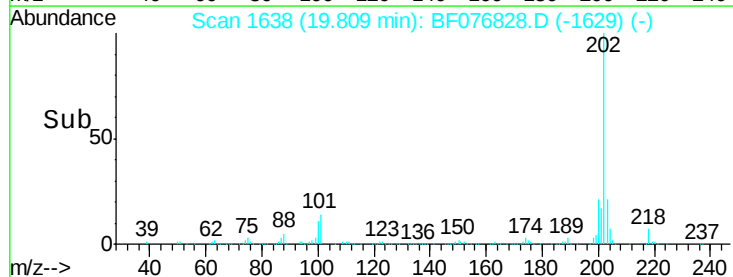
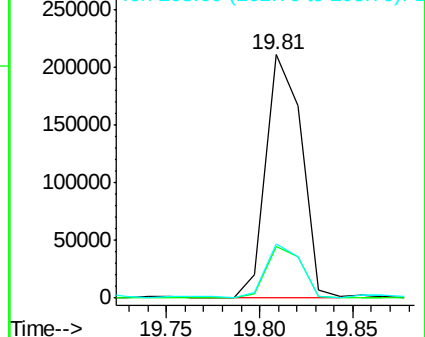
203 22.2 14.6 22.0#

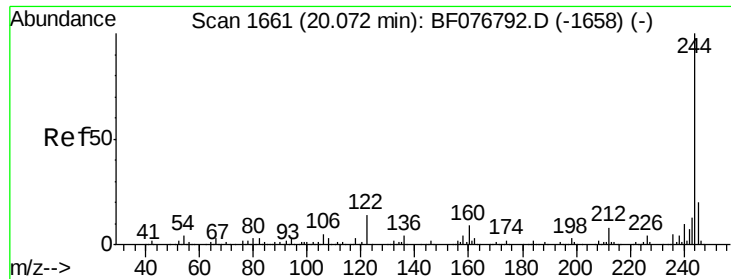


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

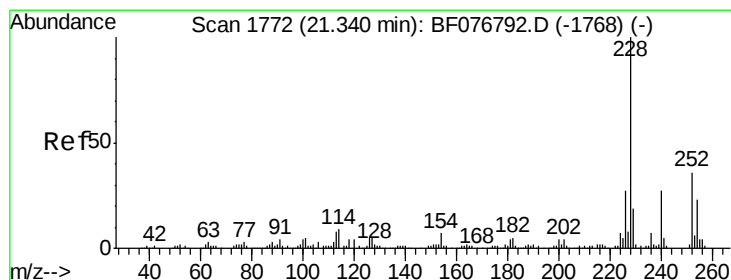
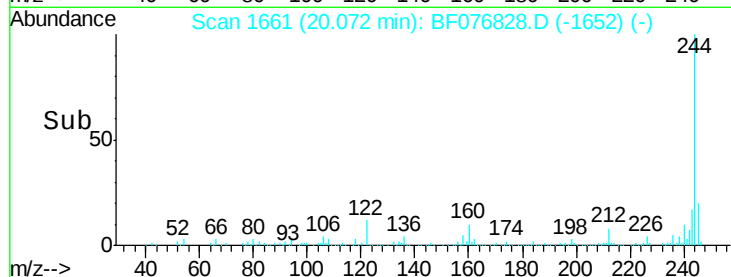
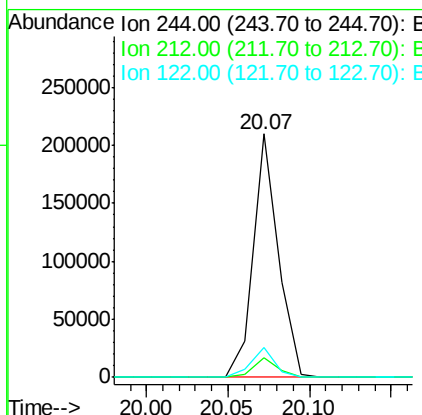
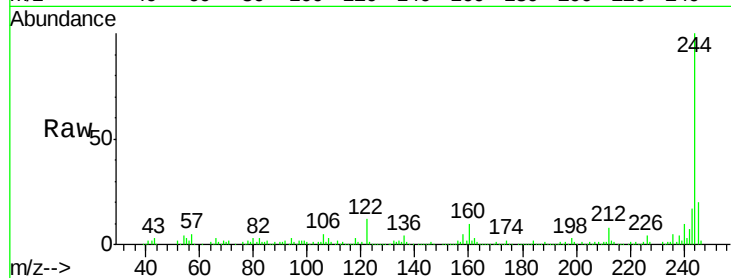




#78
 Terphenyl-d14
 Concen: 45.10 ng
 RT: 20.07 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: BF076828.D
 Acq: 13 Jan 2015 4:10

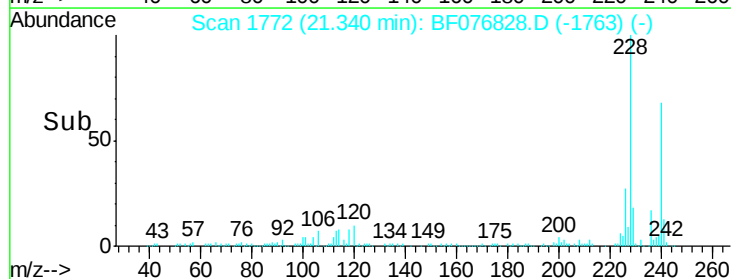
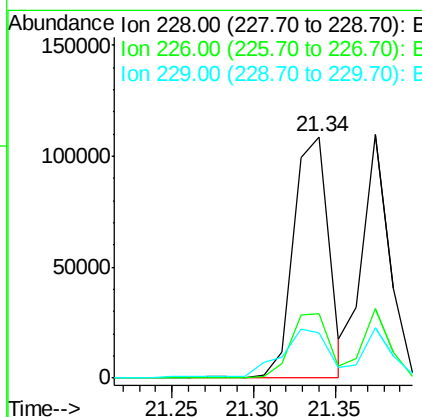
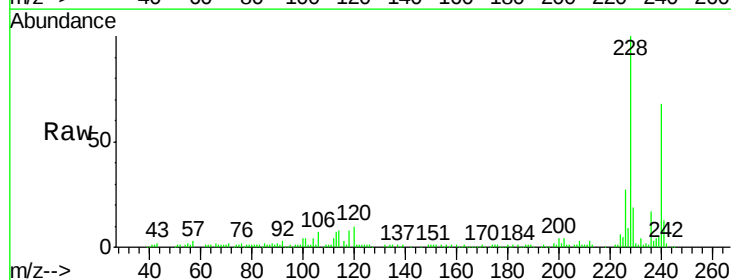
Instrument :
 BNA_F
 ClientSampleId :
 SS-1(STROMPIPE)

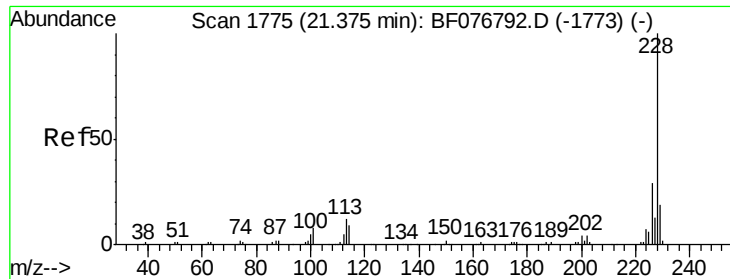
Tgt Ion:244 Resp: 223451
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 12.5 11.3 16.9



#80
 Benzo(a)anthracene
 Concen: 23.79 ng
 RT: 21.34 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BF076828.D
 Acq: 13 Jan 2015 4:10

Tgt Ion:228 Resp: 164871
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.4 32.0
 229 18.5 15.0 22.4





#82

Chrysene

Concen: 20.08 ng

RT: 21.37 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

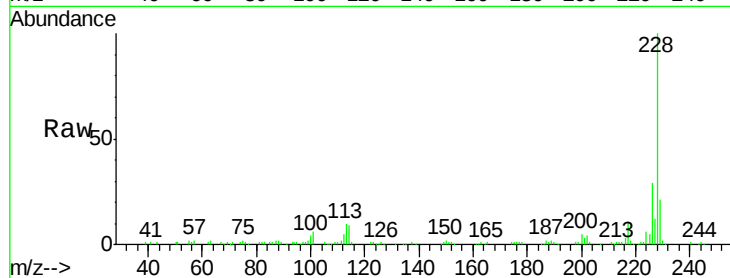
Tgt Ion:228 Resp: 125894

Ion Ratio Lower Upper

228 100

226 28.7 23.3 34.9

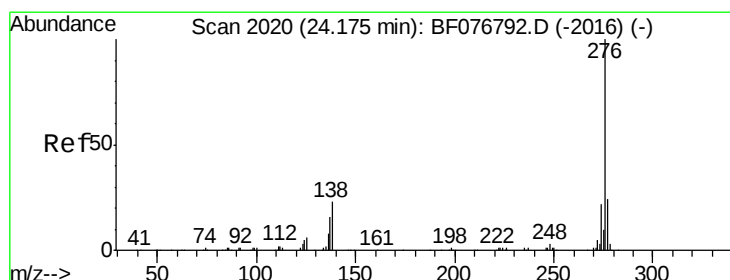
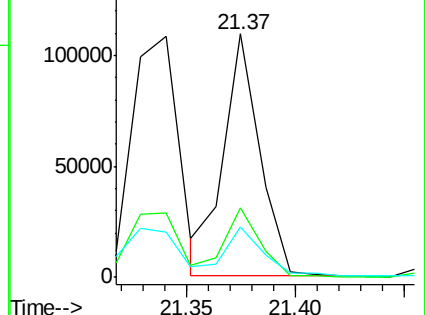
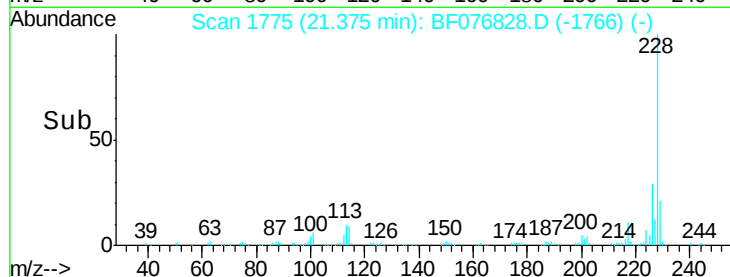
229 20.9 14.6 22.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.21 ng

RT: 24.21 min Scan# 2023

Delta R.T. 0.03 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

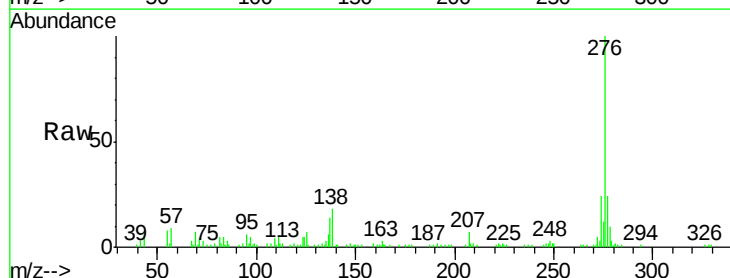
Tgt Ion:276 Resp: 63366

Ion Ratio Lower Upper

276 100

138 22.1 0.0 0.0#

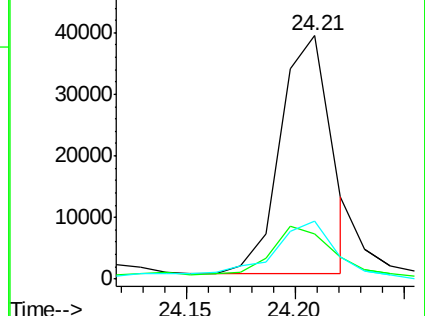
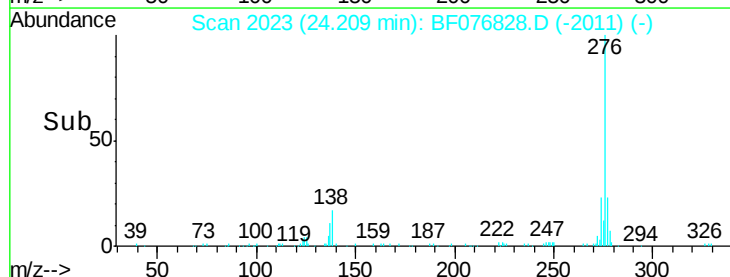
277 23.5 0.0 0.0#

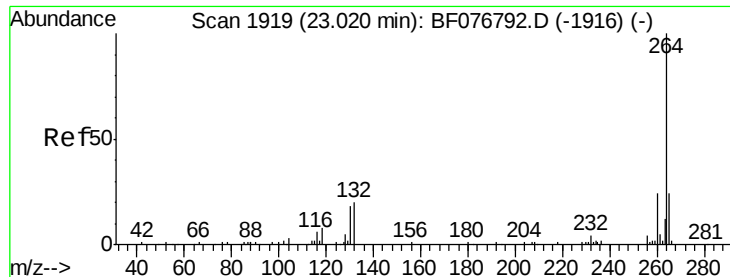


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

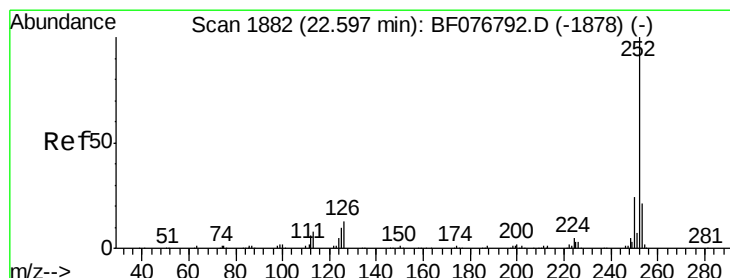
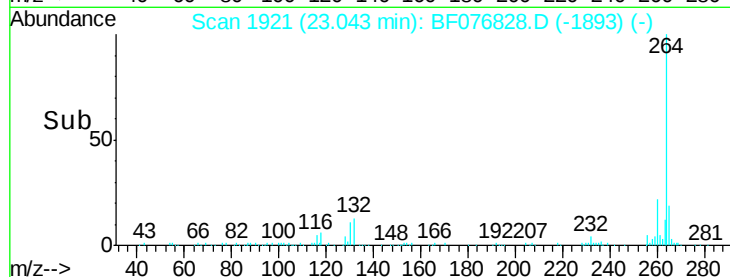
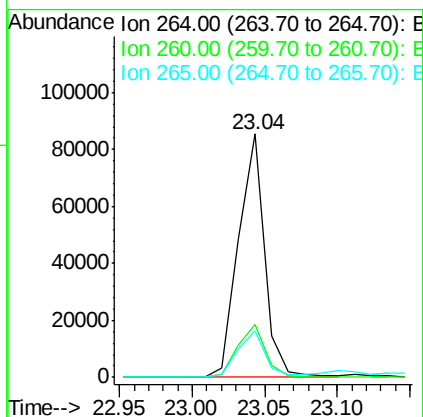
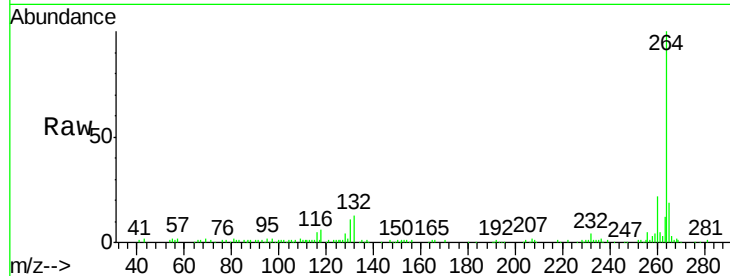




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.04 min Scan# 1921
Delta R.T. 0.02 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

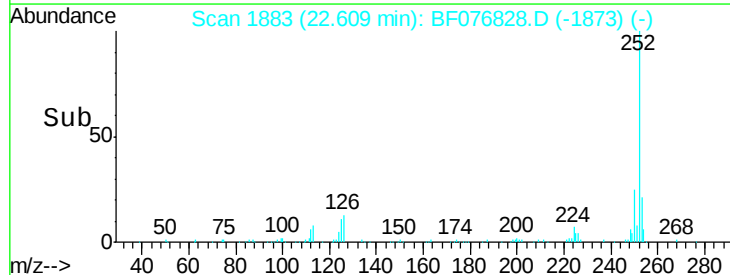
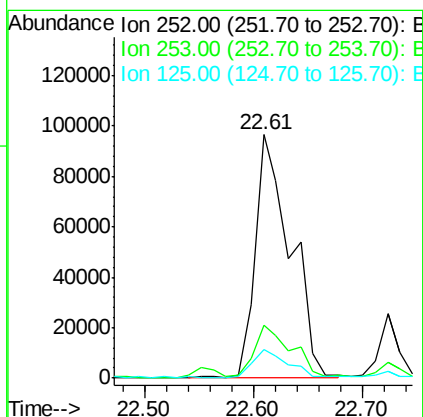
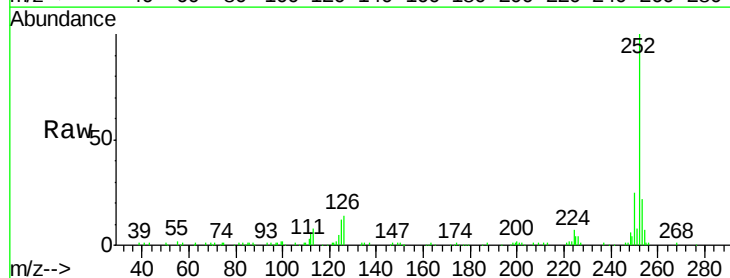
Instrument :
BNA_F
ClientSampleId :
SS-1(STROMPIPE)

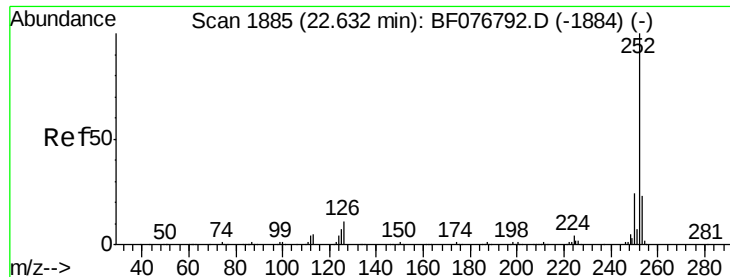
Tgt Ion:264 Resp: 107075
Ion Ratio Lower Upper
264 100
260 21.9 19.4 29.0
265 19.2 18.9 28.3



#87
Benzo(b)fluoranthene
Concen: 29.36 ng
RT: 22.61 min Scan# 1883
Delta R.T. 0.01 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Tgt Ion:252 Resp: 217752
Ion Ratio Lower Upper
252 100
253 21.8 16.6 25.0
125 11.6 8.1 12.1

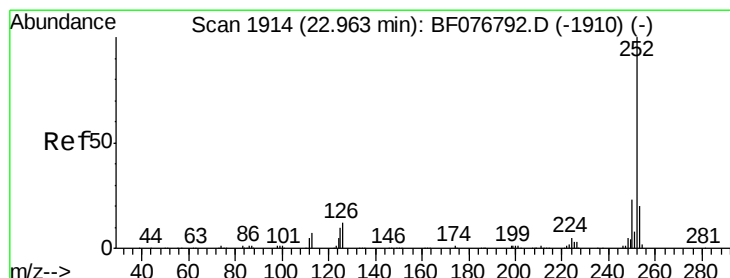
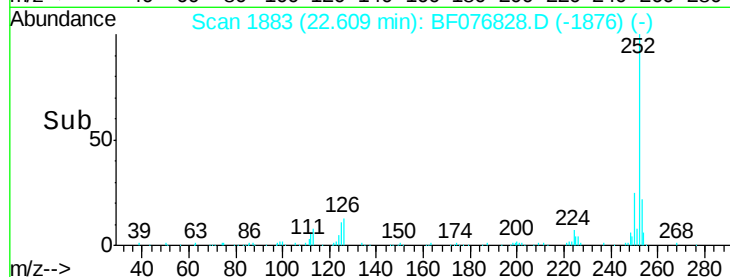
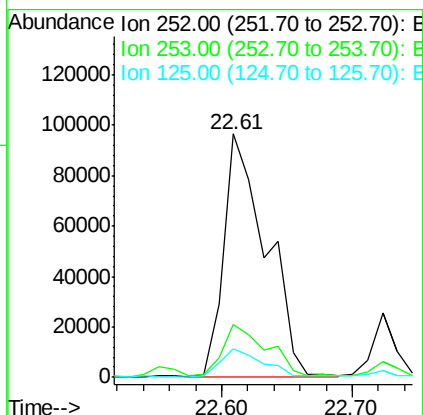
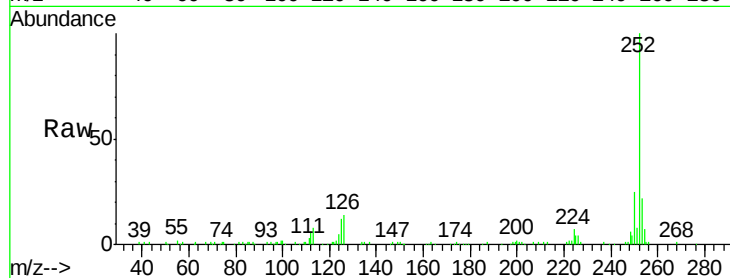




#88
Benzo(k)fluoranthene
Concen: 33.53 ng
RT: 22.61 min Scan# 1883
Delta R.T. -0.02 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

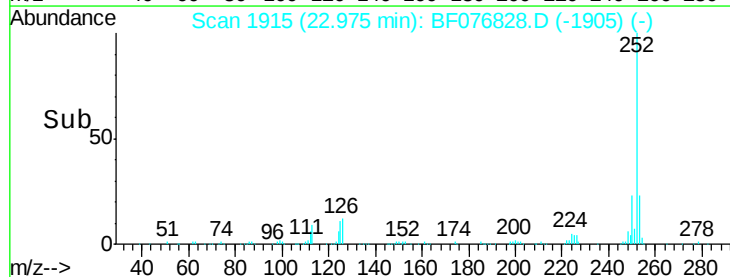
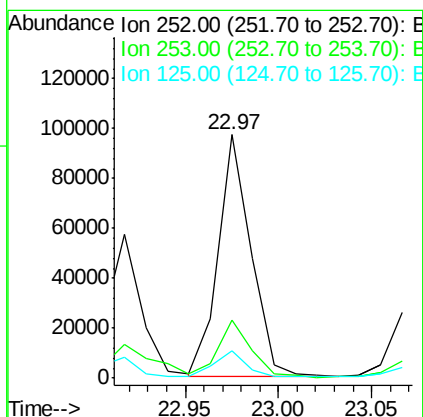
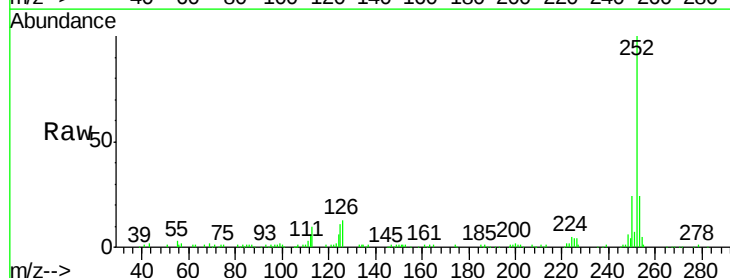
Instrument :
BNA_F
ClientSampleId :
SS-1(STROMPIPE)

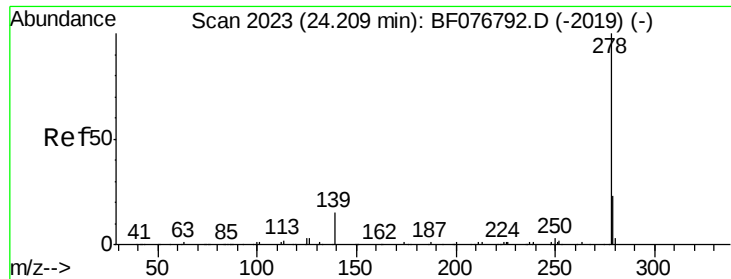
Tgt Ion: 252 Resp: 217390
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 11.6 7.5 11.3#



#89
Benzo(a)pyrene
Concen: 18.61 ng
RT: 22.97 min Scan# 1915
Delta R.T. 0.01 min
Lab File: BF076828.D
Acq: 13 Jan 2015 4:10

Tgt Ion: 252 Resp: 118579
Ion Ratio Lower Upper
252 100
253 23.9 16.2 24.4
125 11.3 7.8 11.6





#90

Dibenzo(a,h)anthracene

Concen: 2.55 ng

RT: 24.23 min Scan# 2025

Delta R.T. 0.02 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SS-1(STROMPIPE)

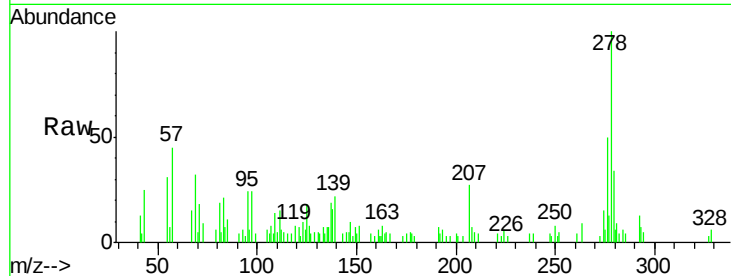
Tgt Ion:278 Resp: 14819

Ion Ratio Lower Upper

278 100

139 21.8 12.2 18.4#

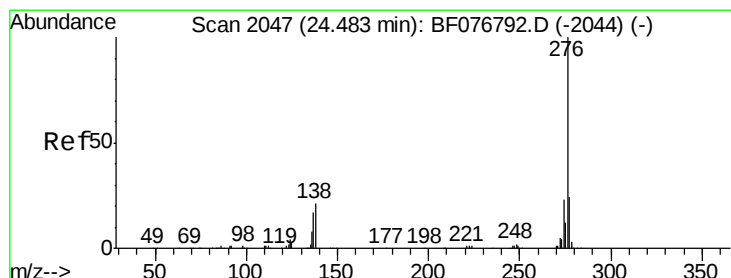
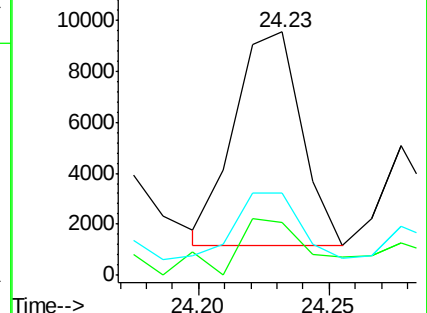
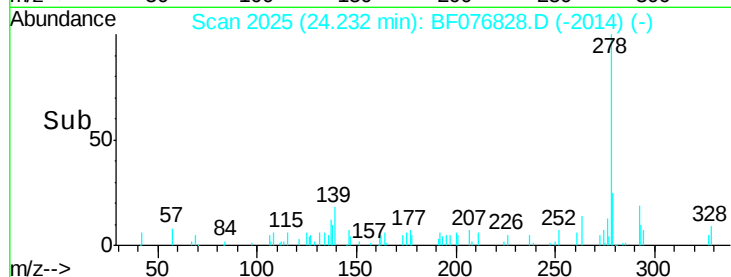
279 33.7 17.9 26.9#



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: 10.00 ng

RT: 24.51 min Scan# 2049

Delta R.T. 0.02 min

Lab File: BF076828.D

Acq: 13 Jan 2015 4:10

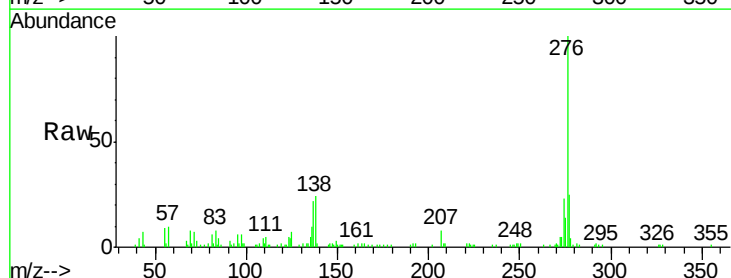
Tgt Ion:276 Resp: 59254

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 23.8 16.7 25.1



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

