

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081572.D
 Acq On : 10 Sep 2015 17:52
 Operator : UM/IZ
 Sample : G3497-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1

Quant Time: Sep 11 00:43:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 00:38:02 2015
 Response via : Initial Calibration

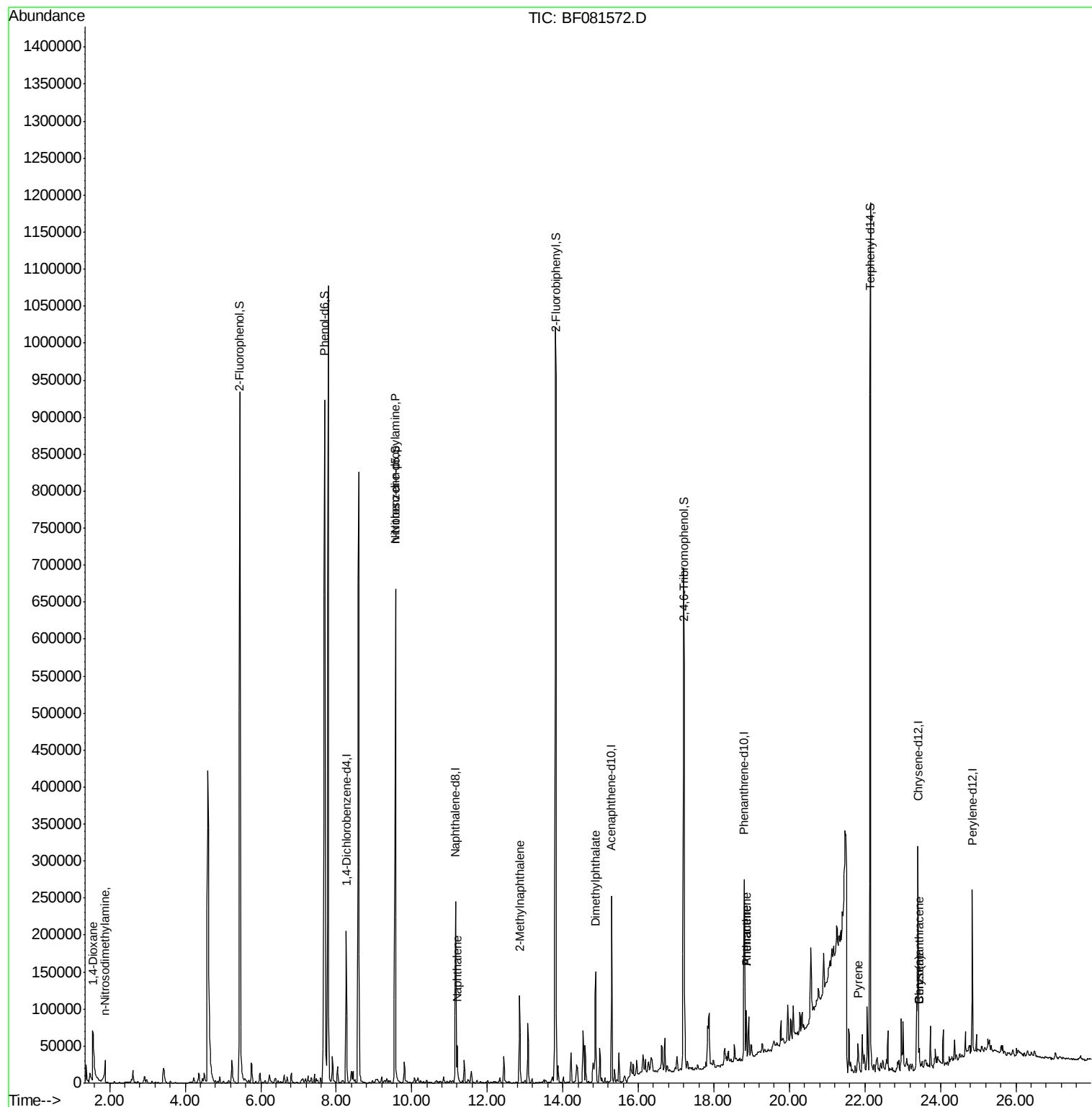
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	49145	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	193247	20.00	ng	-0.01
38) Acenaphthene-d10	15.29	164	90187	20.00	ng	-0.01
63) Phenanthrene-d10	18.80	188	179472	20.00	ng	-0.01
75) Chrysene-d12	23.41	240	105817	20.00	ng	-0.01
86) Perylene-d12	24.85	264	81855	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	458063	144.61	ng	0.03
7) Phenol-d6	7.69	99	657328	156.78	ng	0.00
23) Nitrobenzene-d5	9.57	82	412799	103.06	ng	0.00
41) 2,4,6-Tribromophenol	17.21	330	124098	154.54	ng	0.00
44) 2-Fluorobiphenyl	13.82	172	649043	92.22	ng	0.00
78) Terphenyl-d14	22.15	244	499658	109.92	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.55	88	3195	2.25	ng	# 11
4) n-Nitrosodimethylamine	1.87	42	4889	2.24	ng	# 1
19) n-Nitroso-di-n-propylamine	9.57	70	56226	19.70	ng	# 65
31) Naphthalene	11.21	128	44031	4.27	ng	100
37) 2-Methylnaphthalene	12.86	142	41415	6.18	ng	# 90
49) Dimethylphthalate	14.87	163	97357	13.89	ng	# 96
70) Phenanthrene	18.86	178	45059	4.52	ng	97
71) Anthracene	18.86	178	45059	4.40	ng	97
77) Pyrene	21.82	202	18176	2.32	ng	97
80) Benzo(a)anthracene	23.44	228	21173	3.14	ng	# 79
82) Chrysene	23.44	228	21173	3.51	ng	# 81

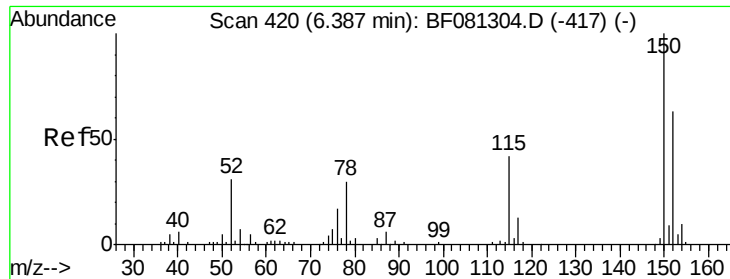
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

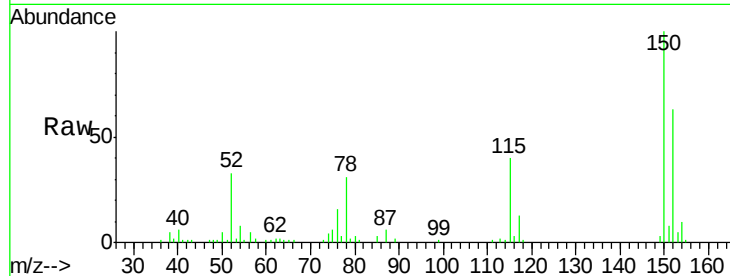
Tgt Ion:152 Resp: 49145

Ion Ratio Lower Upper

152 100

150 159.5 124.7 187.1

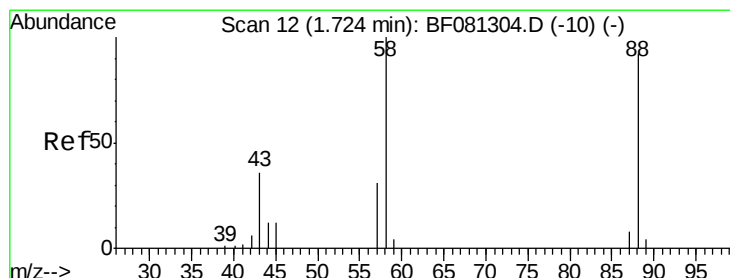
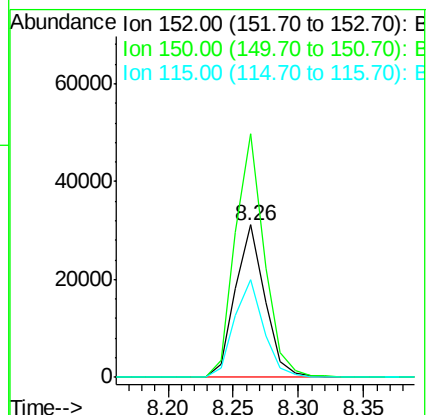
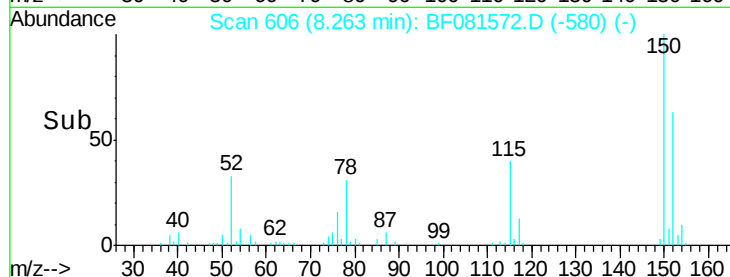
115 64.4 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.25 ng

RT: 1.55 min Scan# 19

Delta R.T. -0.05 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

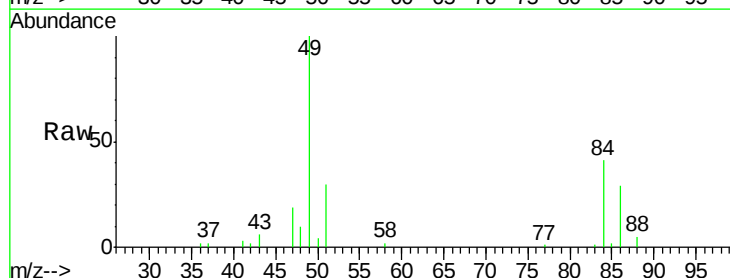
Tgt Ion: 88 Resp: 3195

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

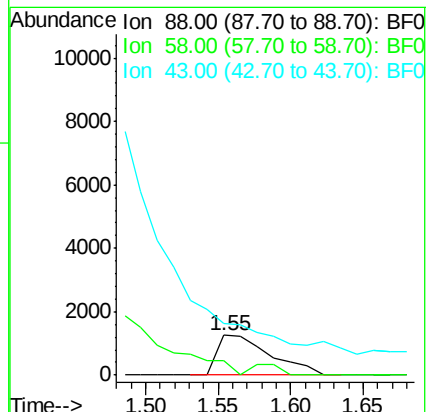
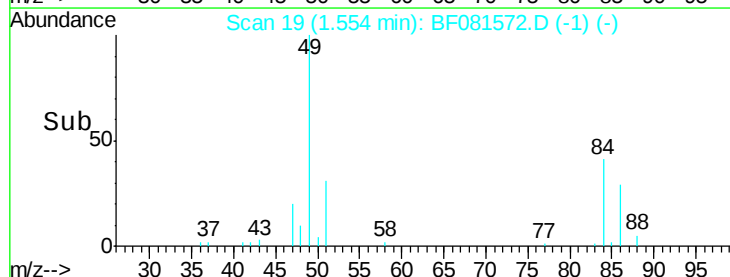
43 0.0 26.6 40.0#

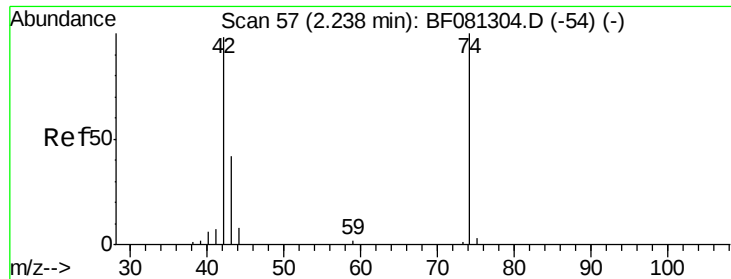


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 2.24 ng

RT: 1.87 min Scan# 47

Delta R.T. -0.22 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

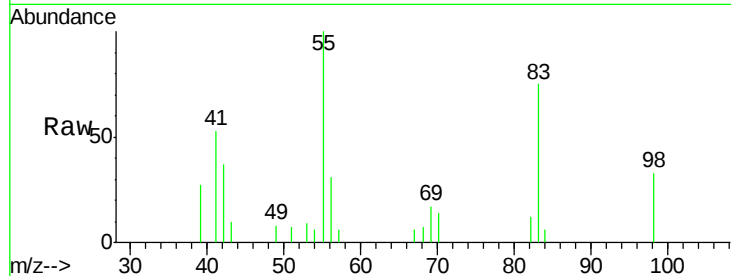
Tgt Ion: 42 Resp: 4889

Ion Ratio Lower Upper

42 100

74 0.0 105.0 157.6#

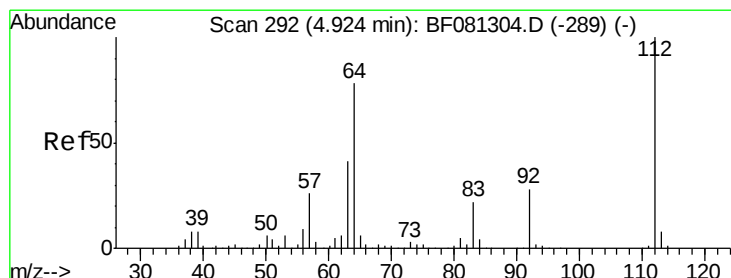
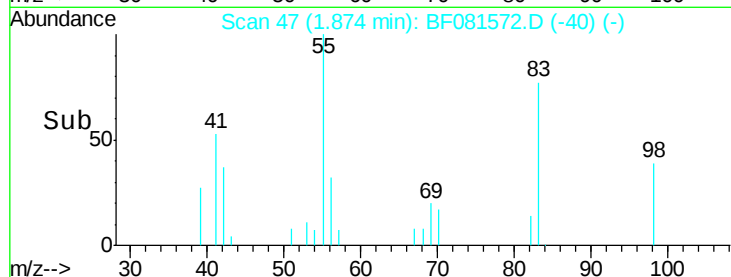
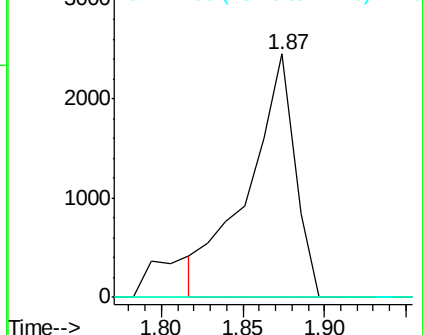
44 0.0 6.6 10.0#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 144.61 ng

RT: 5.45 min Scan# 360

Delta R.T. 0.03 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

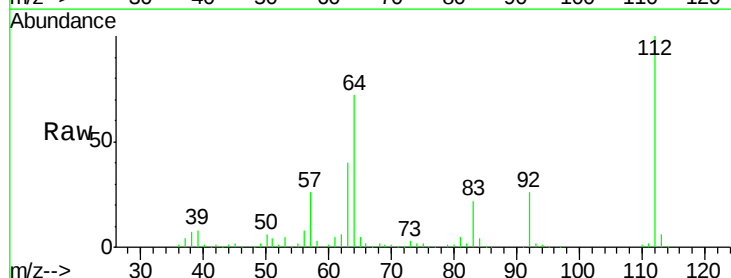
Tgt Ion: 112 Resp: 458063

Ion Ratio Lower Upper

112 100

64 72.3 39.7 59.5#

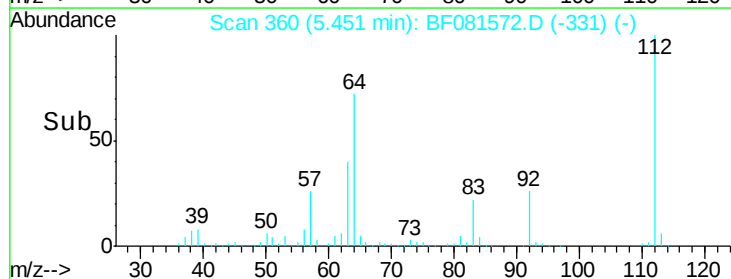
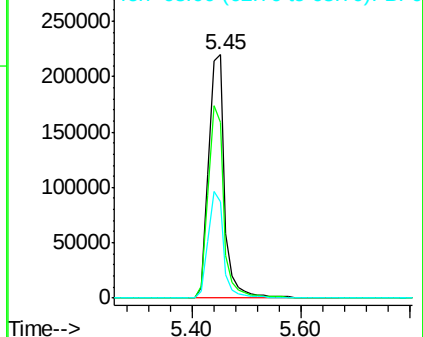
63 39.8 17.4 26.0#

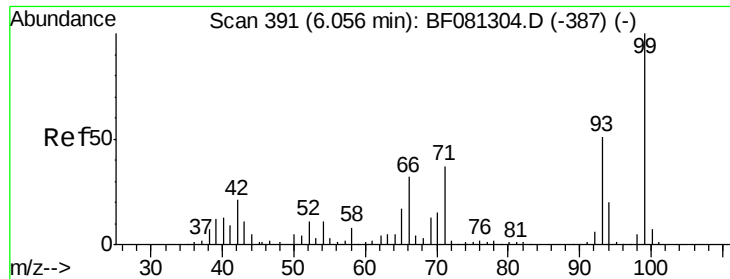


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 156.78 ng

RT: 7.69 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampled :

B1

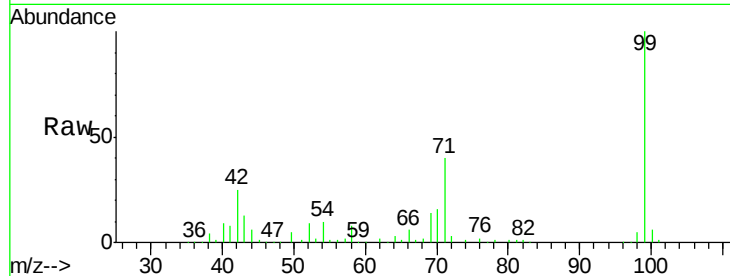
Tgt Ion: 99 Resp: 657328

Ion Ratio Lower Upper

99 100

42 25.1 13.7 20.5#

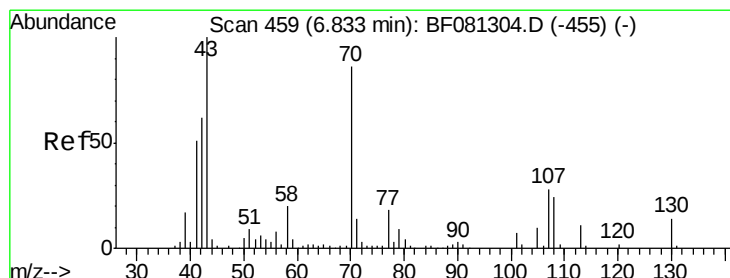
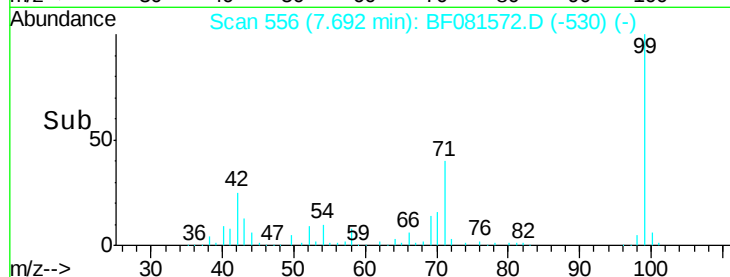
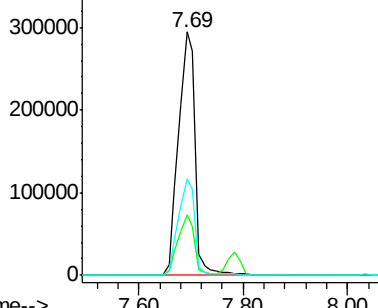
71 39.8 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.70 ng

RT: 9.57 min Scan# 720

Delta R.T. 0.22 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Tgt Ion: 70 Resp: 56226

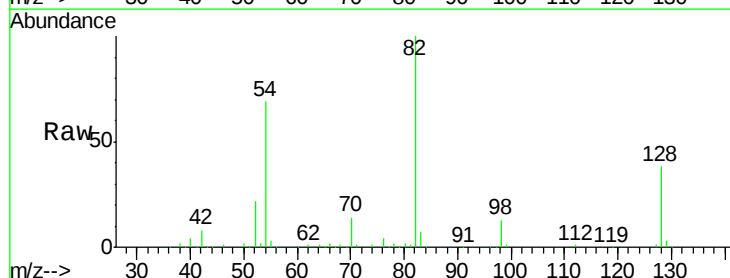
Ion Ratio Lower Upper

70 100

42 56.9 63.8 95.6#

101 0.0 9.2 13.8#

130 1.5 27.3 40.9#

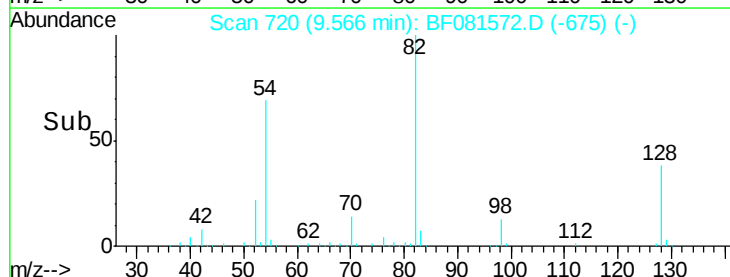
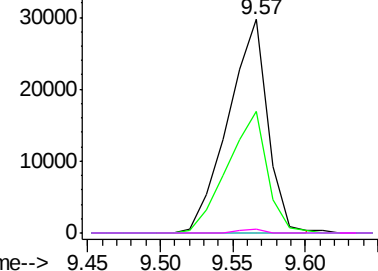


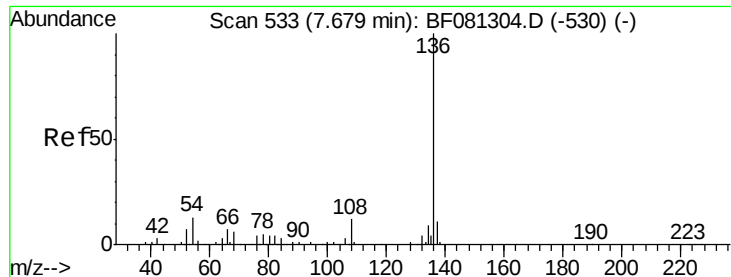
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.15 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

Tgt Ion: 136 Resp: 193247

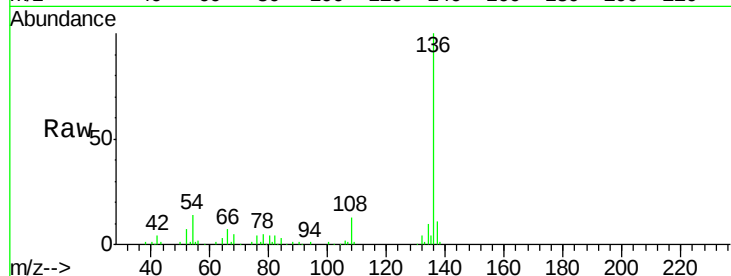
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 13.6 8.2 12.2#

68 5.2 5.8 8.6#

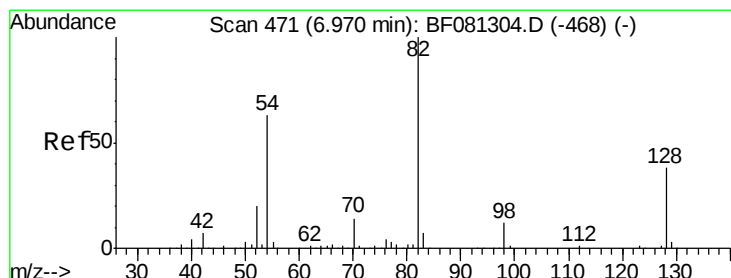
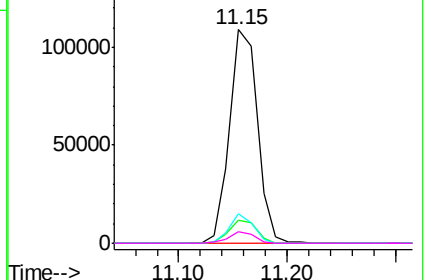
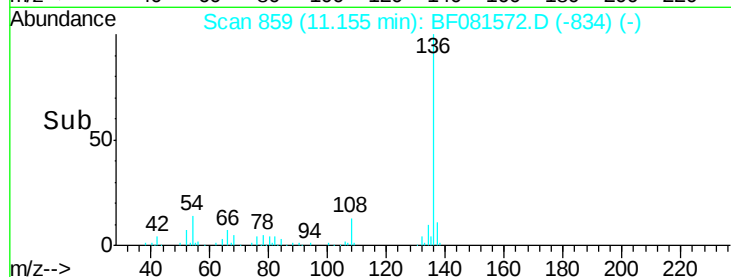


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.06 ng

RT: 9.57 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

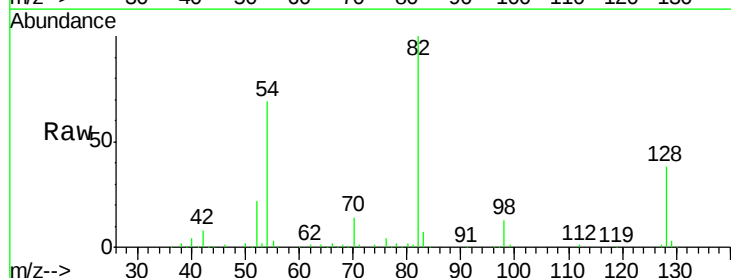
Tgt Ion: 82 Resp: 412799

Ion Ratio Lower Upper

82 100

128 37.7 51.0 76.6#

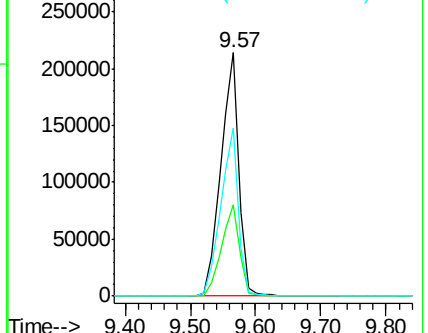
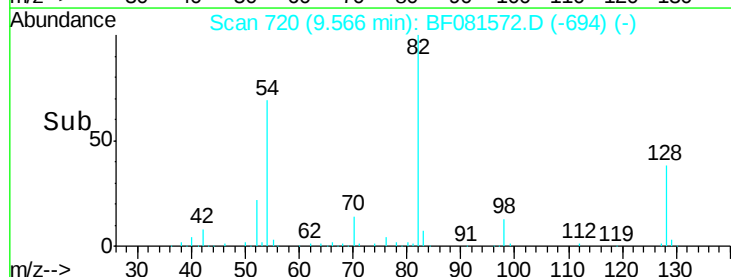
54 69.0 47.5 71.3

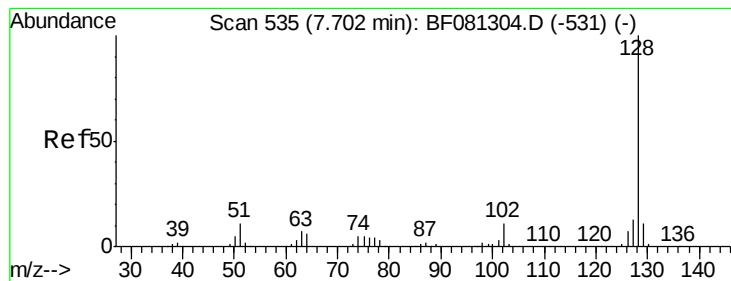


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 4.27 ng

RT: 11.21 min Scan# 864

Delta R.T. -0.00 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

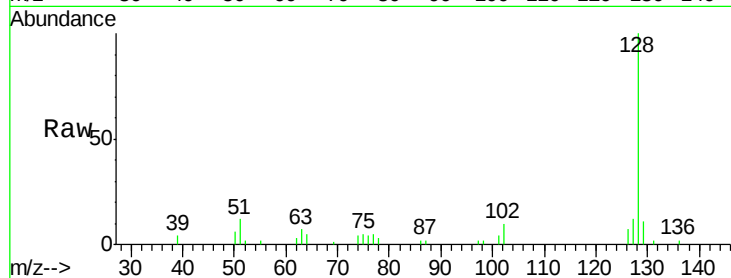
Tgt Ion:128 Resp: 44031

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

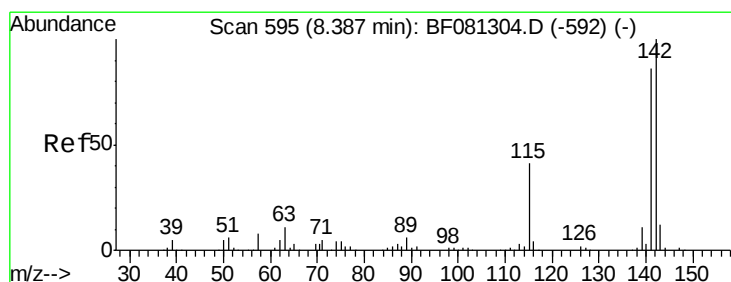
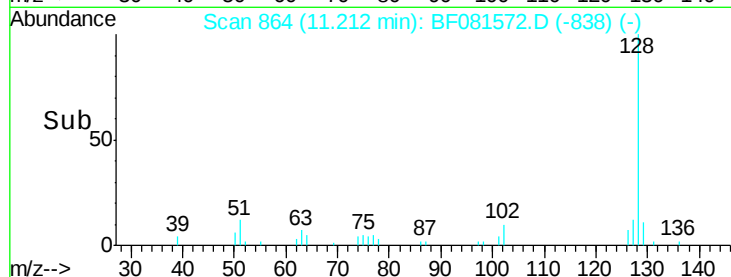
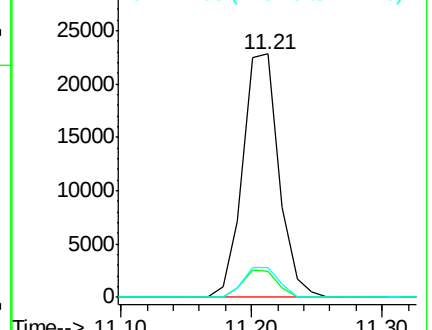
127 12.5 9.9 14.9



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



#37

2-Methylnaphthalene

Concen: 6.18 ng

RT: 12.86 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

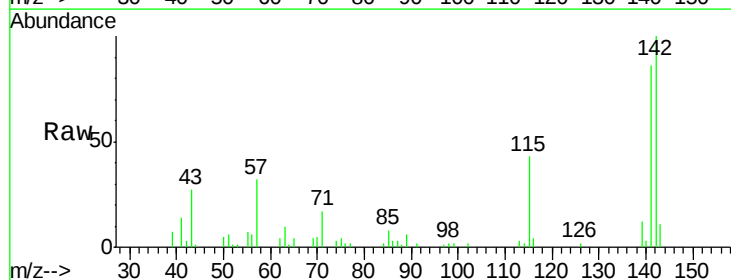
Tgt Ion:142 Resp: 41415

Ion Ratio Lower Upper

142 100

141 86.2 67.5 101.3

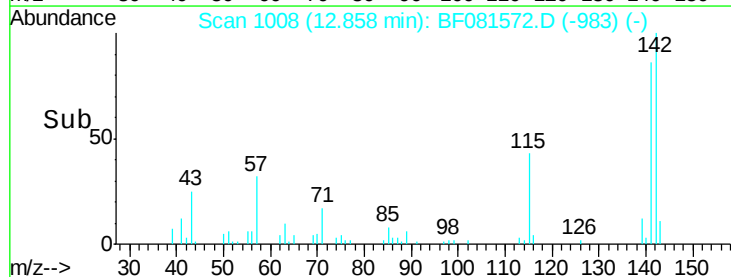
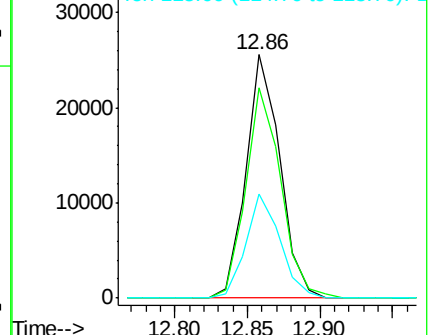
115 42.6 18.2 27.2#

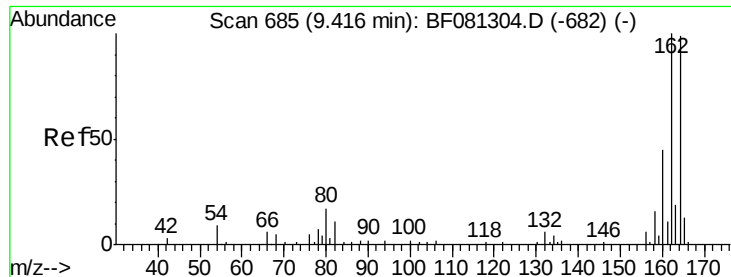


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

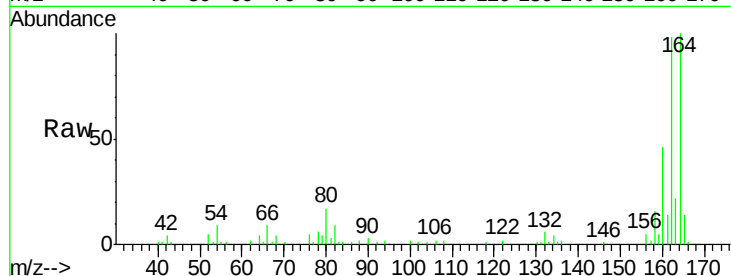




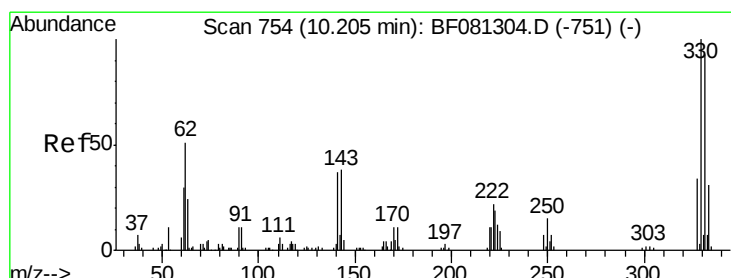
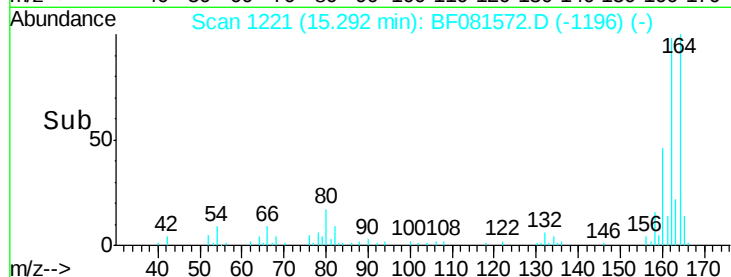
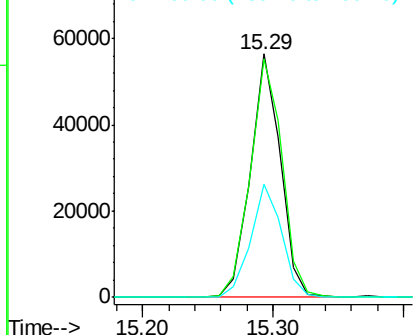
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF081572.D
 Acq: 10 Sep 2015 17:52

Instrument :
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 B1

Tgt Ion:164 Resp: 90187
 Ion Ratio Lower Upper
 164 100
 162 98.1 75.2 112.8
 160 46.2 31.5 47.3

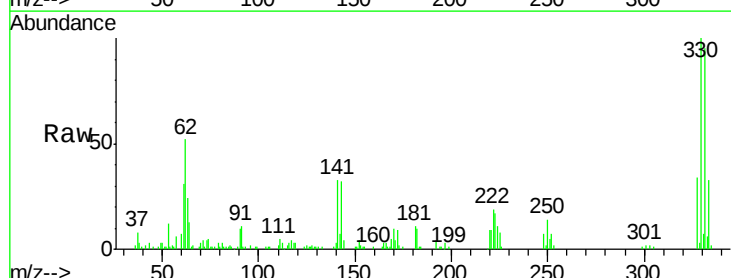


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

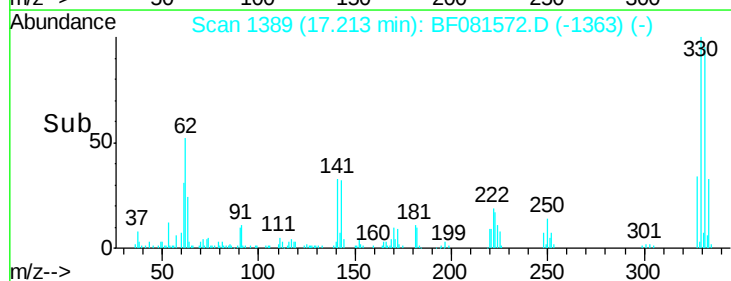
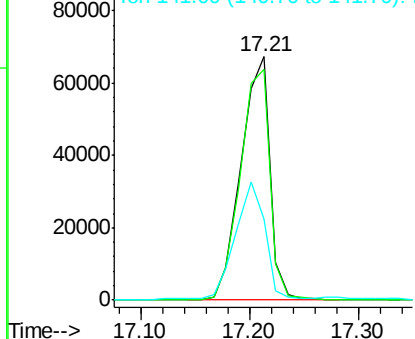


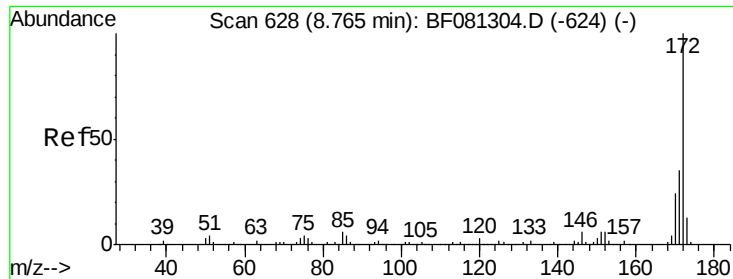
#41
 2,4,6-Tribromophenol
 Concen: 154.54 ng
 RT: 17.21 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF081572.D
 Acq: 10 Sep 2015 17:52

Tgt Ion:330 Resp: 124098
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 51.1 29.7 44.5#



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

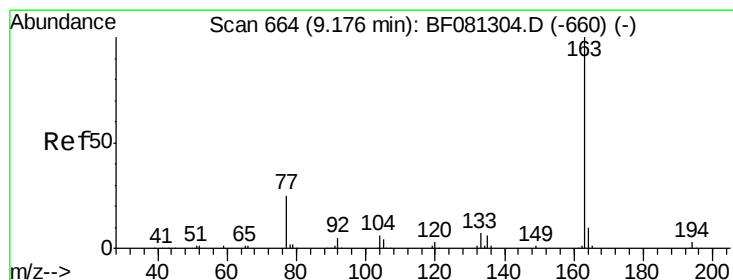
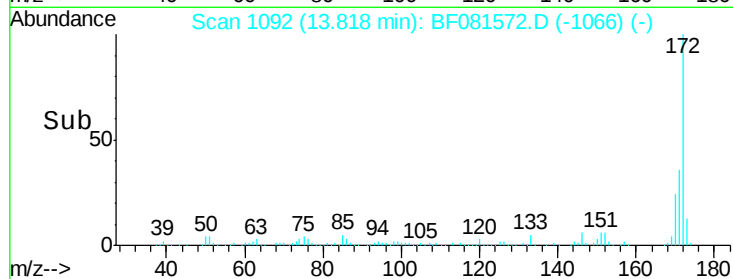
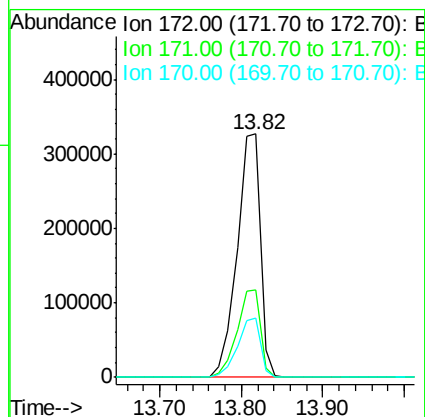
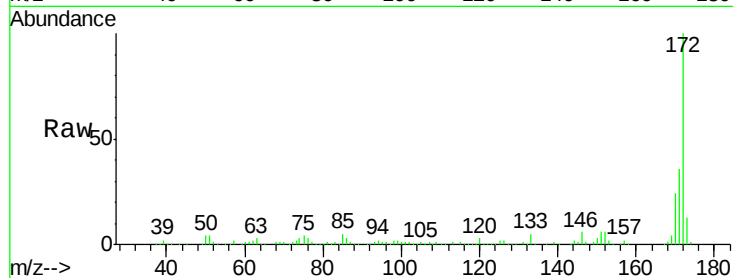




#44
2-Fluorobiphenyl
Concen: 92.22 ng
RT: 13.82 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BF081572.D
Acq: 10 Sep 2015 17:52

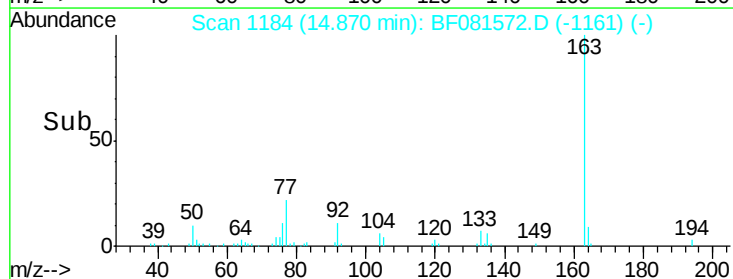
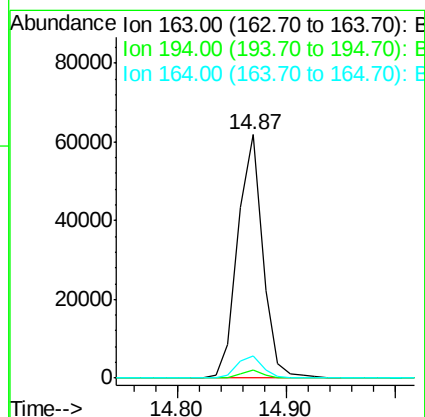
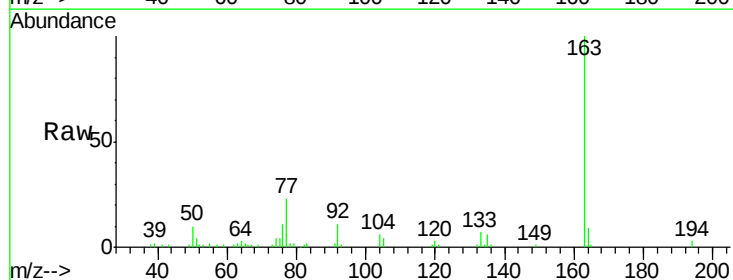
Instrument :
BNA_F
ClientSampleId :
B1

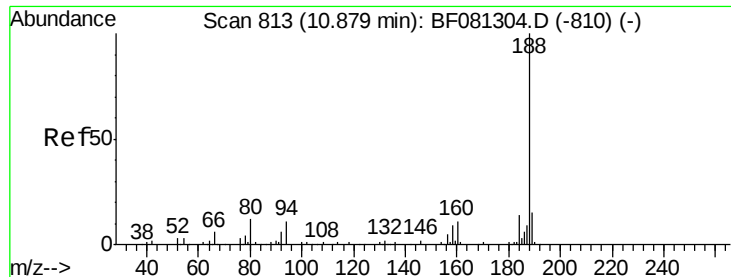
Tgt Ion:172 Resp: 649043
Ion Ratio Lower Upper
172 100
171 35.8 26.1 39.1
170 24.4 17.4 26.2



#49
Dimethylphthalate
Concen: 13.89 ng
RT: 14.87 min Scan# 1184
Delta R.T. -0.03 min
Lab File: BF081572.D
Acq: 10 Sep 2015 17:52

Tgt Ion:163 Resp: 97357
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 9.3 8.3 12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.80 min Scan# 1528

Delta R.T. -0.01 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

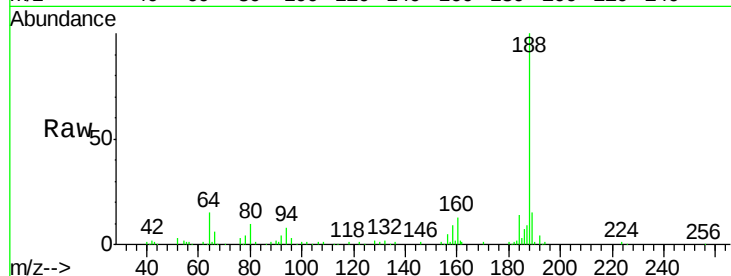
Tgt Ion:188 Resp: 179472

Ion Ratio Lower Upper

188 100

94 8.3 11.1 16.7#

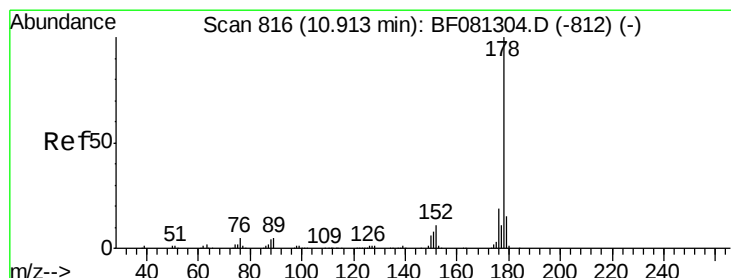
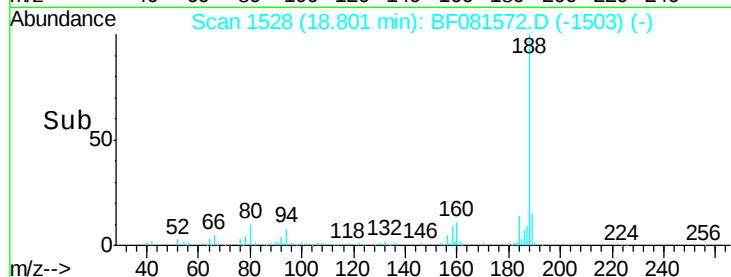
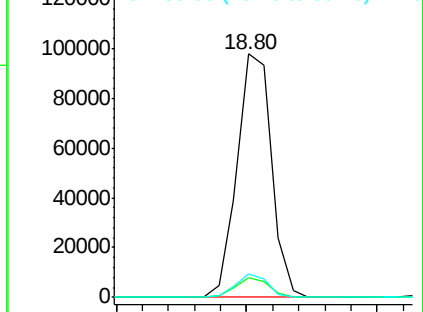
80 9.7 11.0 16.4#



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



#70

Phenanthrene

Concen: 4.52 ng

RT: 18.86 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

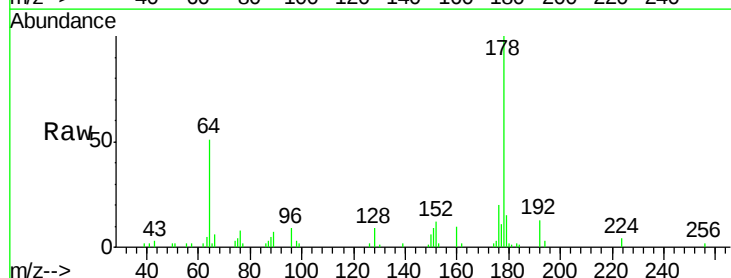
Tgt Ion:178 Resp: 45059

Ion Ratio Lower Upper

178 100

176 19.8 13.8 20.8

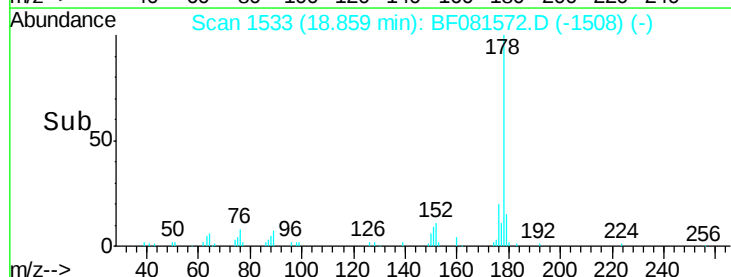
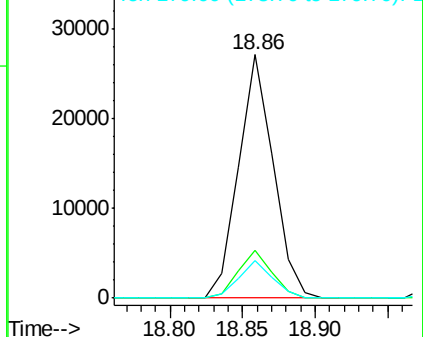
179 15.4 12.2 18.2

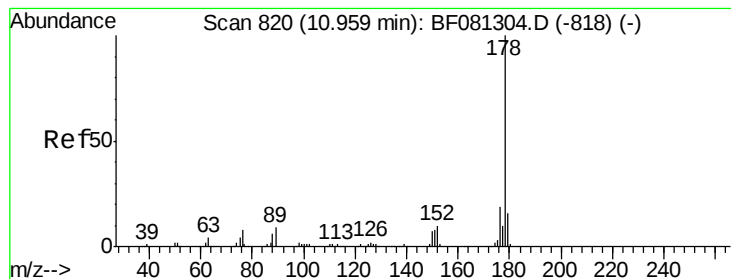


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.40 ng

RT: 18.86 min Scan# 1533

Delta R.T. -0.14 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

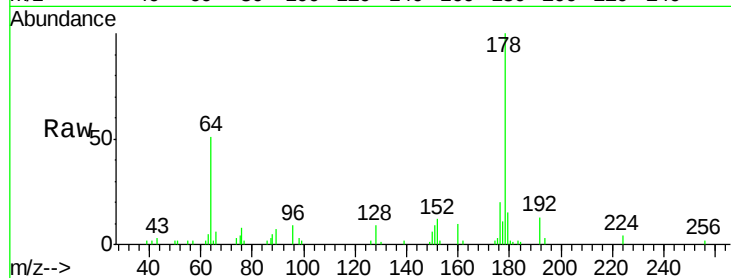
Tgt Ion:178 Resp: 45059

Ion Ratio Lower Upper

178 100

176 19.8 14.1 21.1

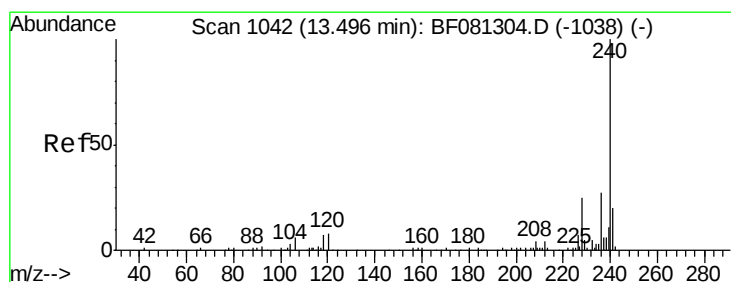
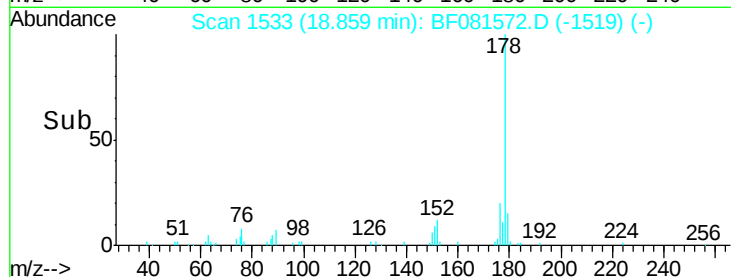
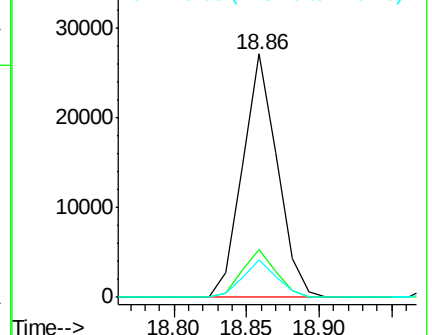
179 15.4 12.2 18.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

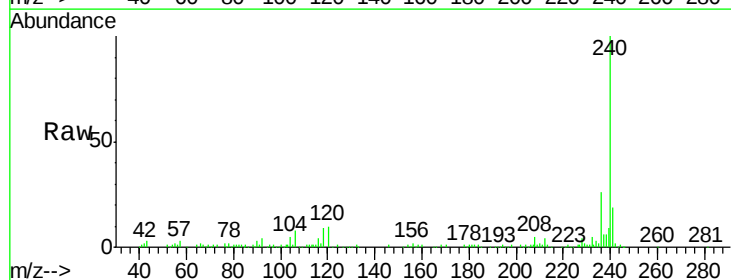
Tgt Ion:240 Resp: 105817

Ion Ratio Lower Upper

240 100

120 10.4 16.2 24.2#

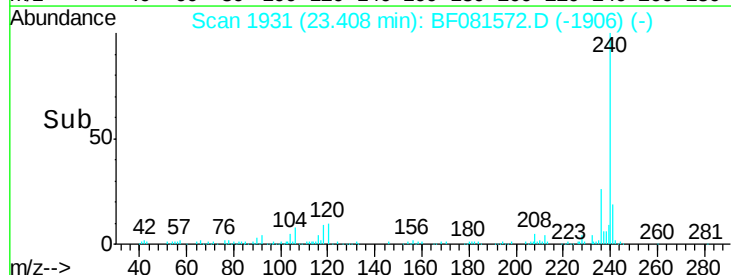
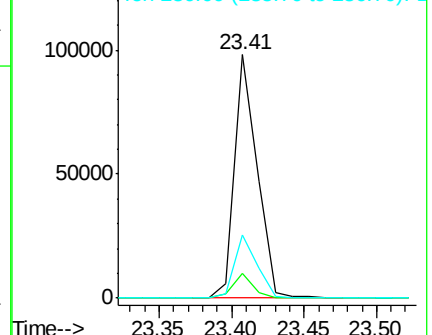
236 26.0 18.4 27.6

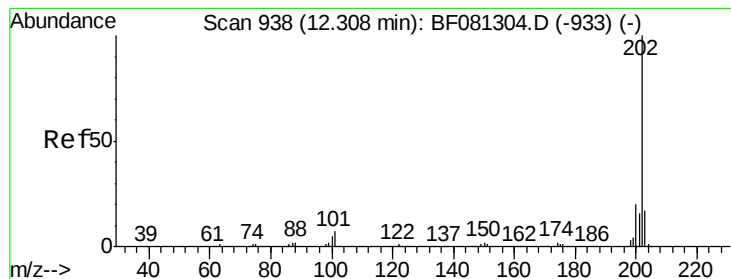


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.32 ng

RT: 21.82 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

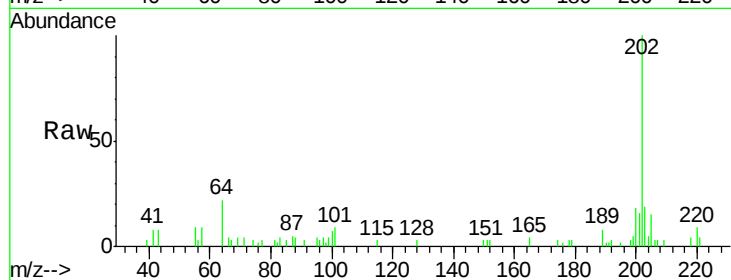
Tgt Ion: 202 Resp: 18176

Ion Ratio Lower Upper

202 100

200 17.5 15.0 22.4

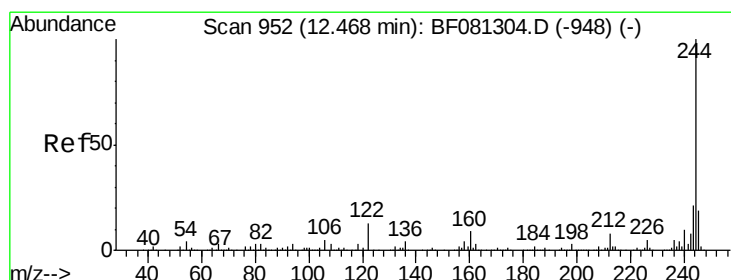
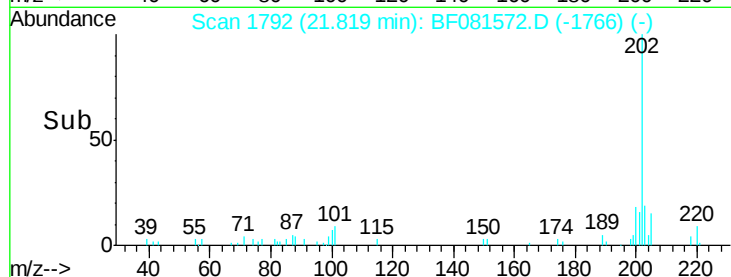
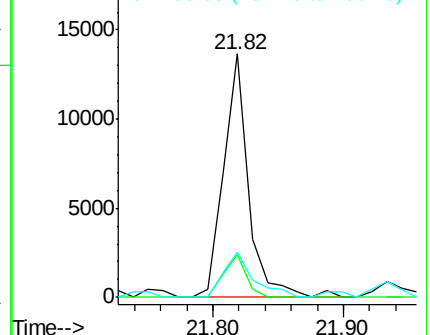
203 18.7 14.1 21.1



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: 109.92 ng

RT: 22.15 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

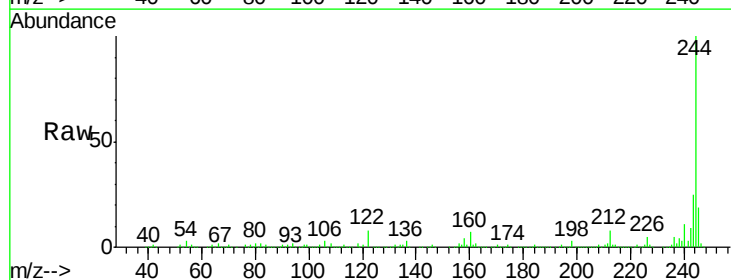
Tgt Ion: 244 Resp: 499658

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

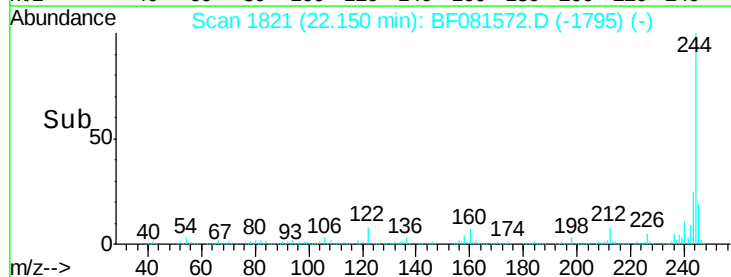
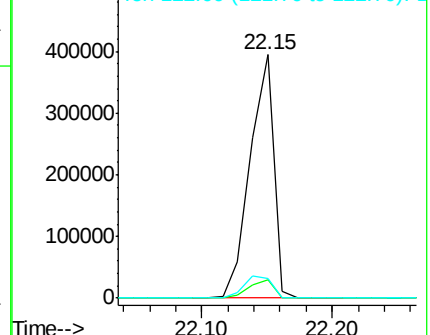
122 8.2 17.4 26.2#

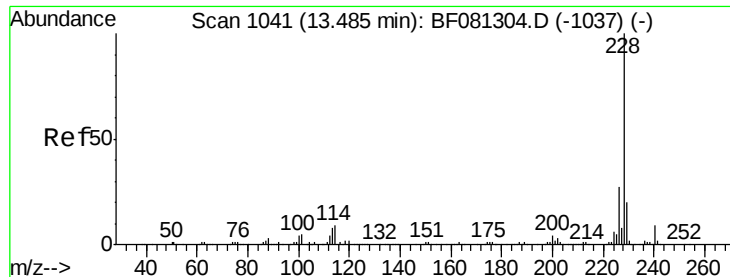


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.14 ng

RT: 23.44 min Scan# 1934

Delta R.T. 0.03 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

Instrument :

BNA_F

ClientSampleId :

B1

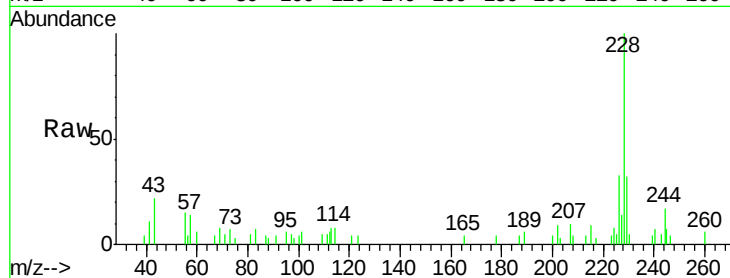
Tgt Ion:228 Resp: 21173

Ion Ratio Lower Upper

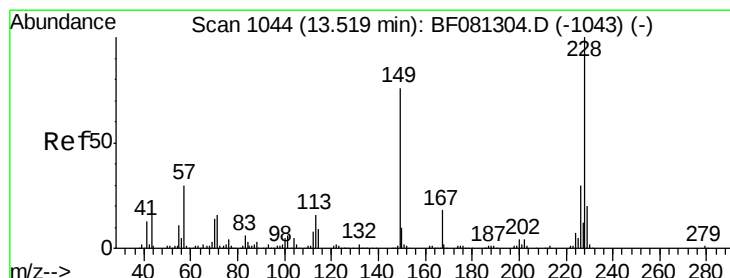
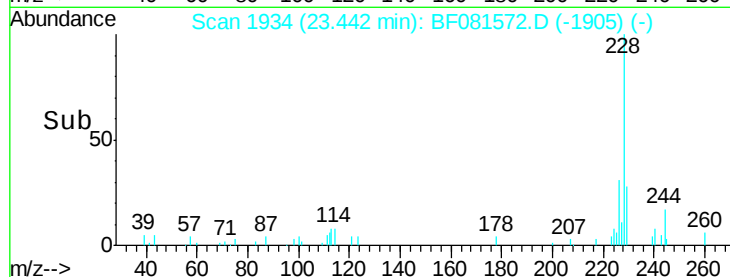
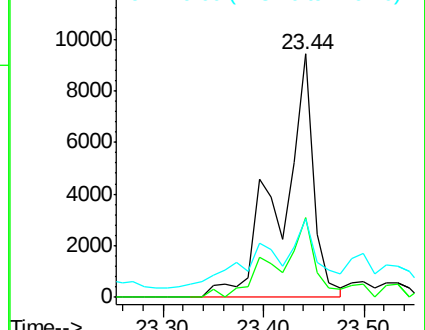
228 100

226 32.7 20.0 30.0#

229 32.5 15.4 23.2#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.51 ng

RT: 23.44 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BF081572.D

Acq: 10 Sep 2015 17:52

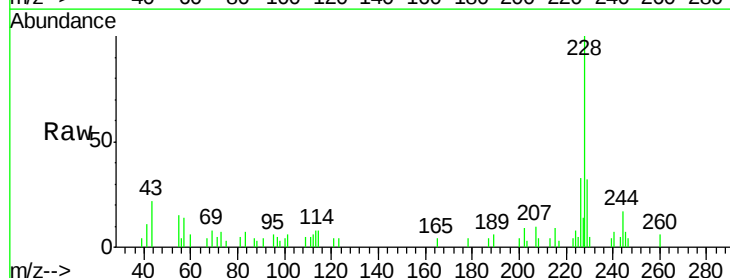
Tgt Ion:228 Resp: 21173

Ion Ratio Lower Upper

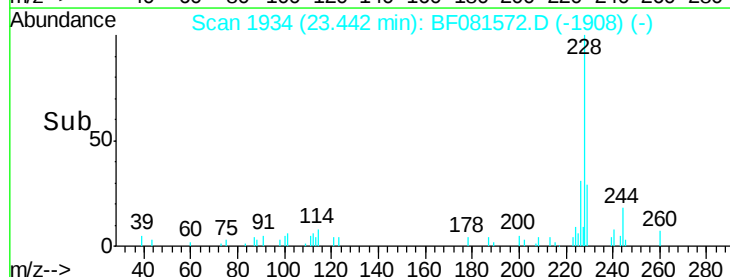
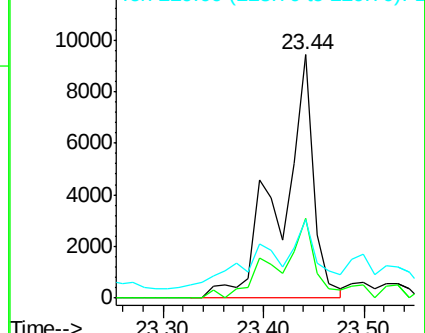
228 100

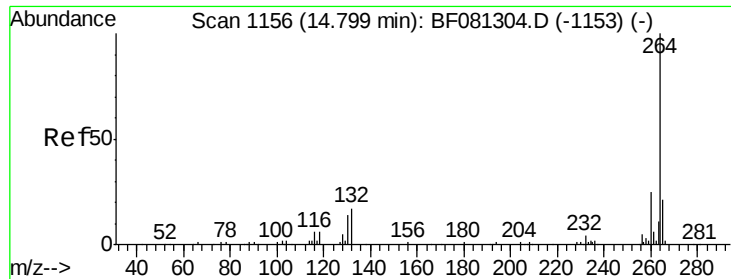
226 32.7 21.0 31.4#

229 32.5 15.6 23.4#



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

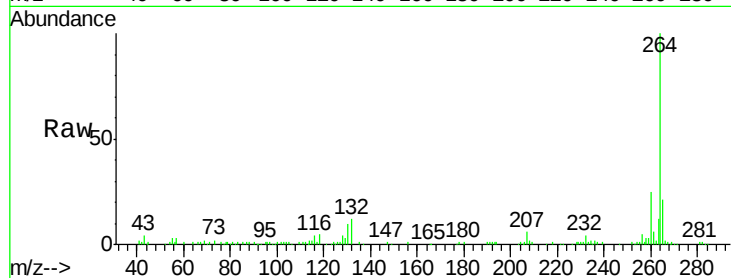




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.85 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BF081572.D
Acq: 10 Sep 2015 17:52

Instrument :
BNA_F
ClientSampleId :
B1

Tgt Ion: 264 Resp: 81855
Ion Ratio Lower Upper
264 100
260 24.6 16.7 25.1
265 20.8 17.2 25.8



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

