

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081634.D
 Acq On : 15 Sep 2015 17:51
 Operator : UM/IZ
 Sample : G3543-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE

Quant Time: Sep 16 00:54:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	57180	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	229284	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	103244	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	187943	20.00	ng	0.00
75) Chrysene-d12	23.38	240	120853	20.00	ng	0.00
86) Perylene-d12	24.81	264	97003	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	345458	93.74	ng	0.01
7) Phenol-d6	7.63	99	510162	104.58	ng	-0.01
23) Nitrobenzene-d5	9.51	82	340199	71.59	ng	-0.02
41) 2,4,6-Tribromophenol	17.16	330	95810	104.22	ng	-0.01
44) 2-Fluorobiphenyl	13.76	172	603076	74.85	ng	-0.01
78) Terphenyl-d14	22.12	244	442813	85.29	ng	0.00

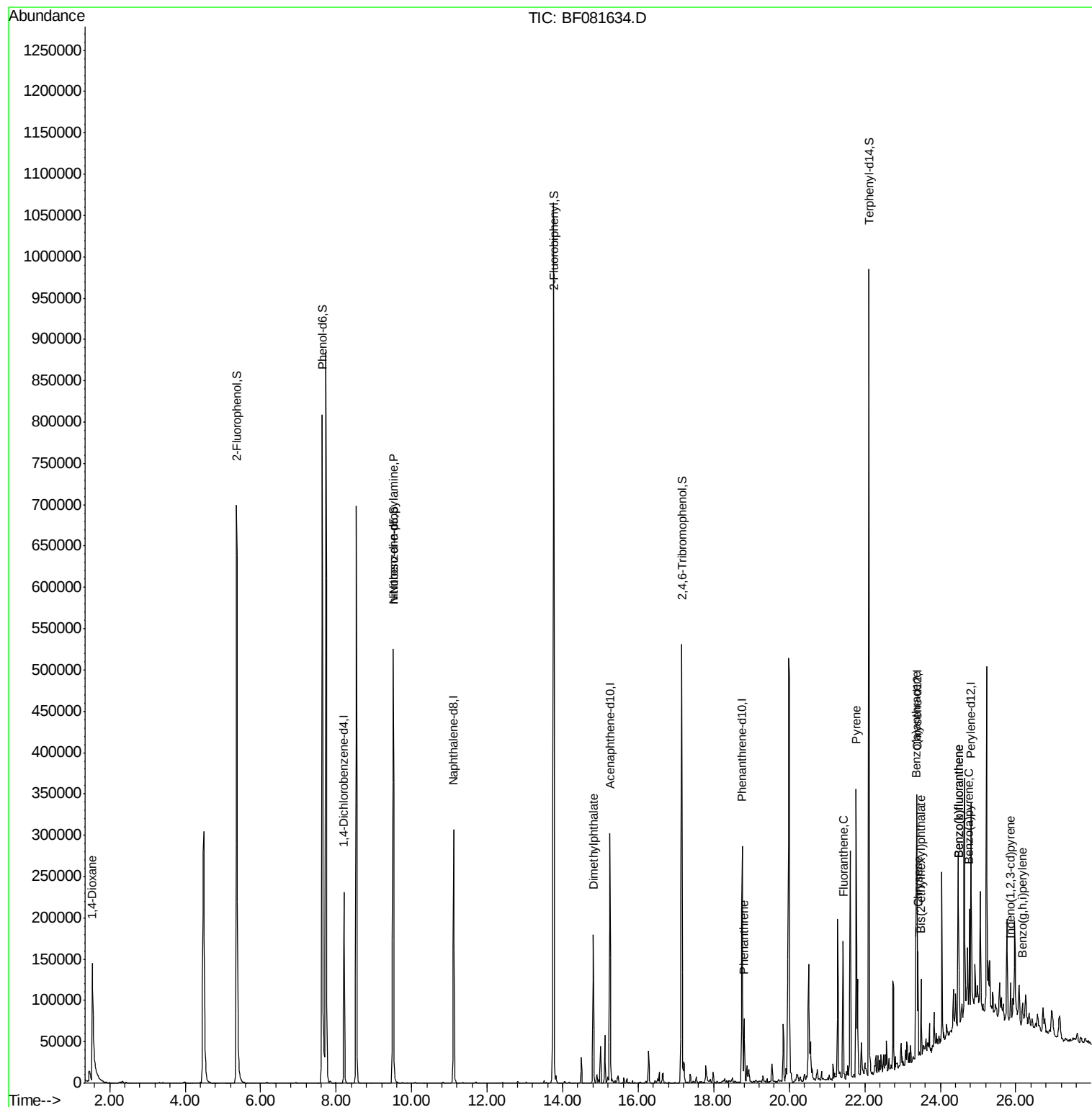
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.54	88	7364	4.45	ng	# 11
19) n-Nitroso-di-n-propylamine	9.51	70	45977	13.85	ng	# 68
49) Dimethylphthalate	14.81	163	118520	14.78	ng	# 96
70) Phenanthrene	18.80	178	50184	4.80	ng	97
74) Fluoranthene	21.43	202	112037	9.91	ng	87
77) Pyrene	21.77	202	97850	10.93	ng	98
80) Benzo(a)anthracene	23.37	228	43472	5.65	ng	95
82) Chrysene	23.41	228	45482	6.59	ng	92
83) Bis(2-ethylhexyl)phthalate	23.49	149	19952	3.88	ng	# 86
85) Indeno(1,2,3-cd)pyrene	25.87	276	21393	4.23	ng	# 80
87) Benzo(b)fluoranthene	24.48	252	77618	11.21	ng	# 86
88) Benzo(k)fluoranthene	24.48	252	77618	13.51	ng	# 87
89) Benzo(a)pyrene	24.77	252	38046	6.48	ng	# 86
91) Benzo(g,h,i)perylene	26.17	276	17798	4.11	ng	# 72

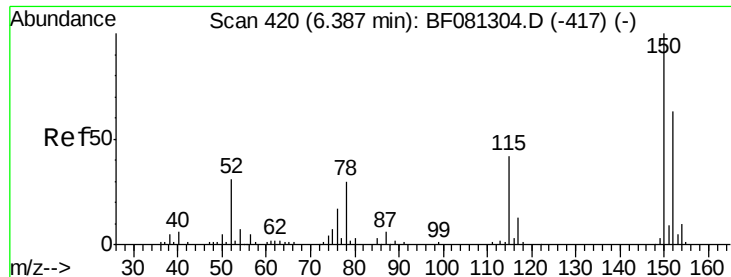
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

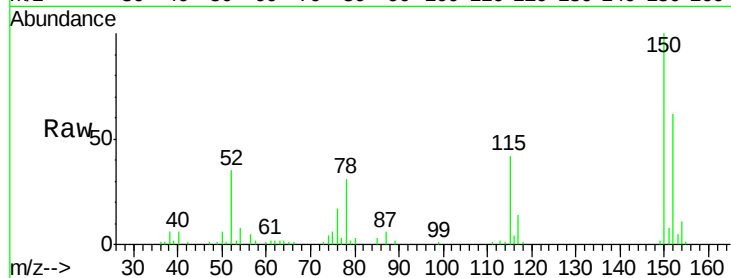
Tgt Ion:152 Resp: 57180

Ion Ratio Lower Upper

152 100

150 160.5 124.7 187.1

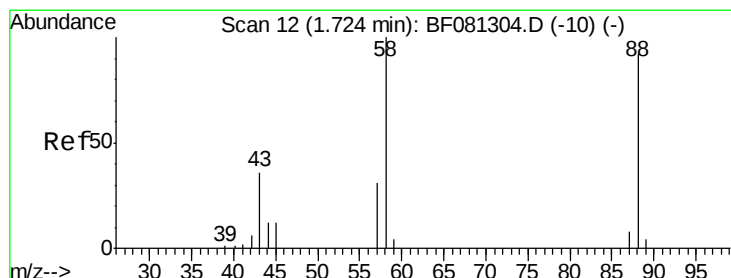
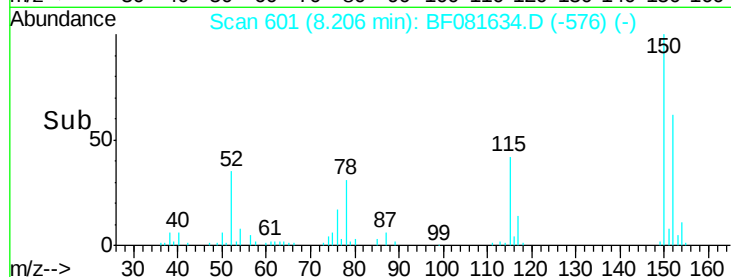
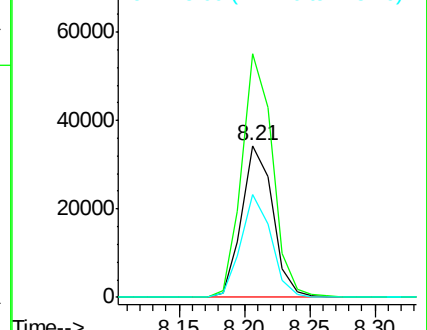
115 67.8 39.0 58.4#



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: 4.45 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

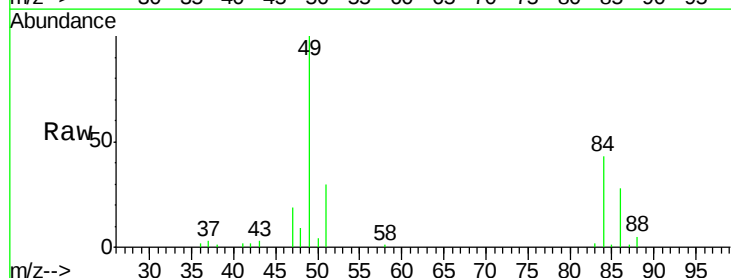
Tgt Ion: 88 Resp: 7364

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

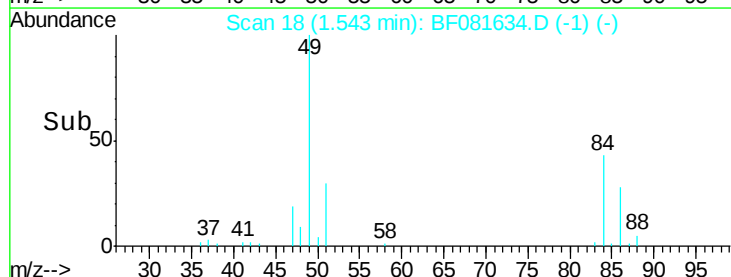
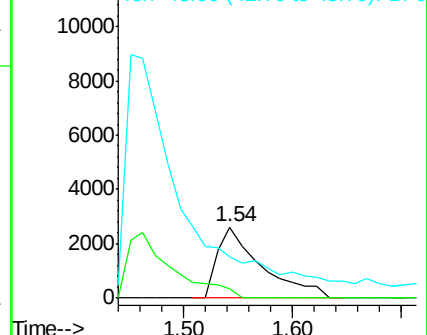
43 0.0 26.6 40.0#

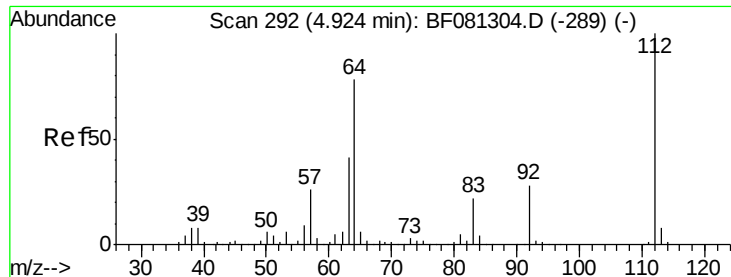


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 93.74 ng

RT: 5.36 min Scan# 352

Delta R.T. 0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

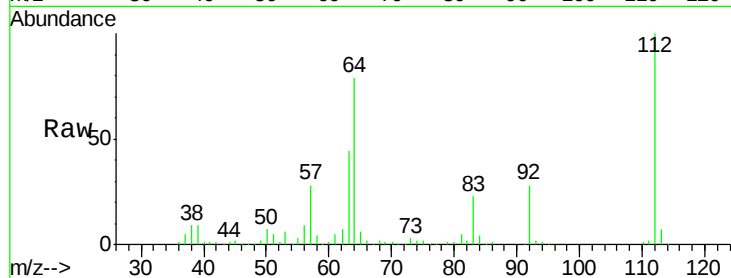
Tgt Ion: 112 Resp: 345458

Ion Ratio Lower Upper

112 100

64 79.1 39.7 59.5#

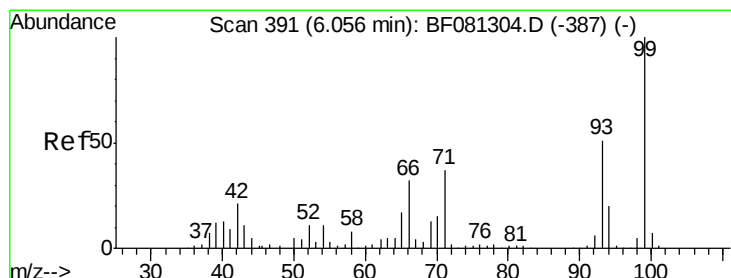
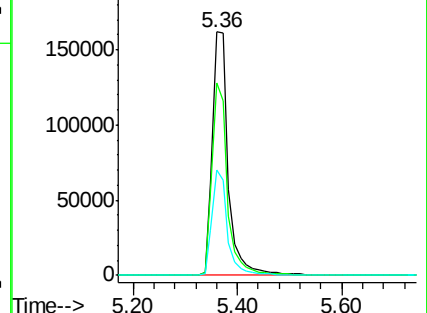
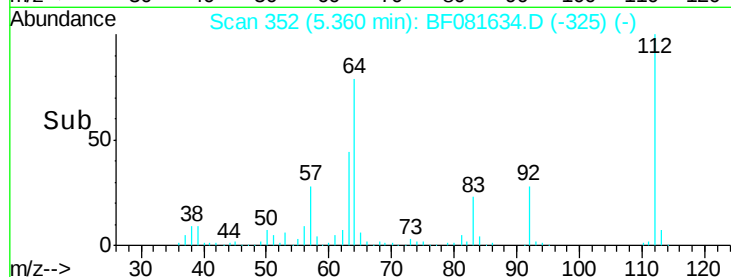
63 43.5 17.4 26.0#



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: 104.58 ng

RT: 7.63 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

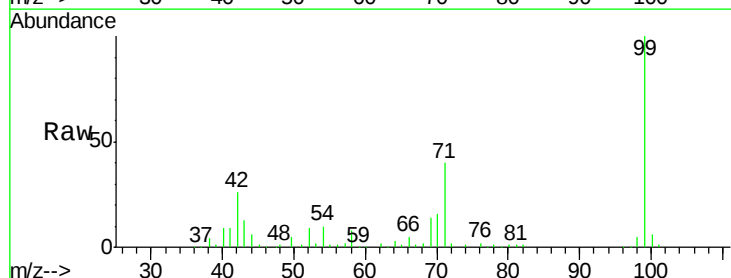
Tgt Ion: 99 Resp: 510162

Ion Ratio Lower Upper

99 100

42 25.8 13.7 20.5#

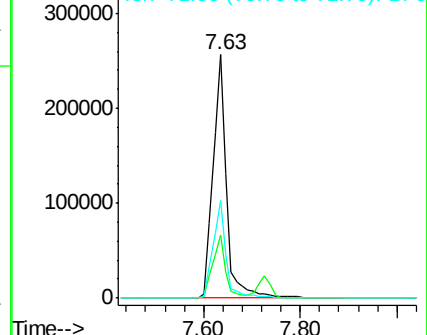
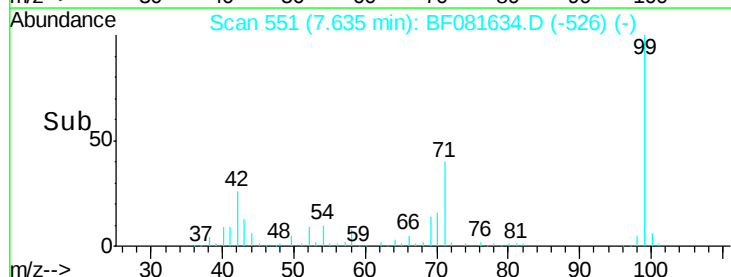
71 40.0 14.2 21.2#

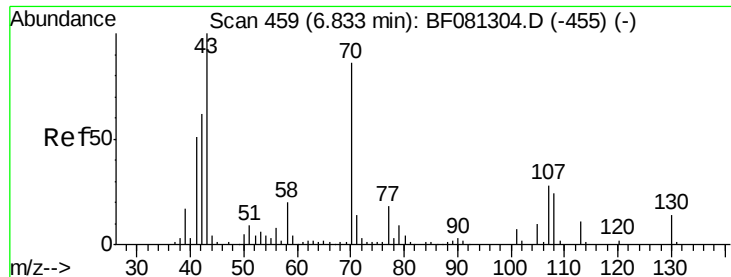


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

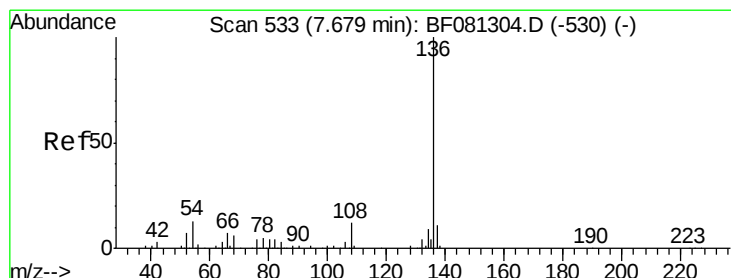
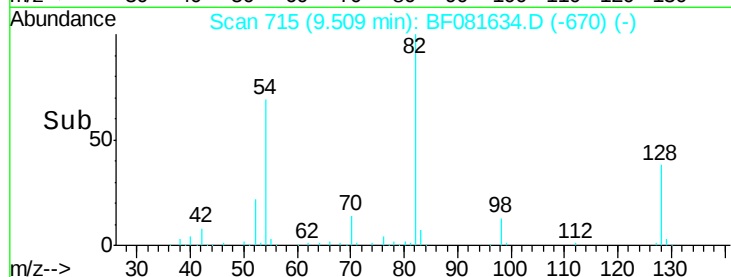
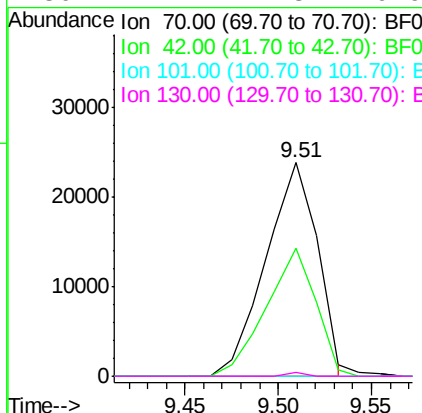
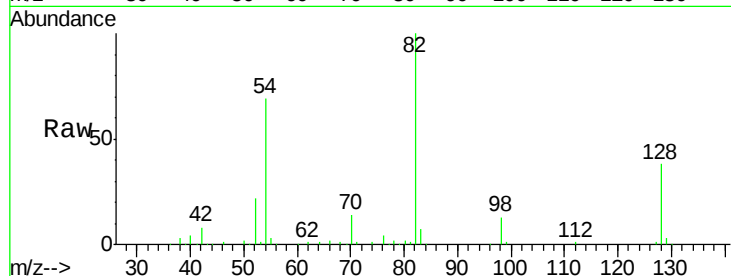




#19
n-Nitroso-di-n-propylamine
Concen: 13.85 ng
RT: 9.51 min Scan# 715
Delta R.T. 0.22 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

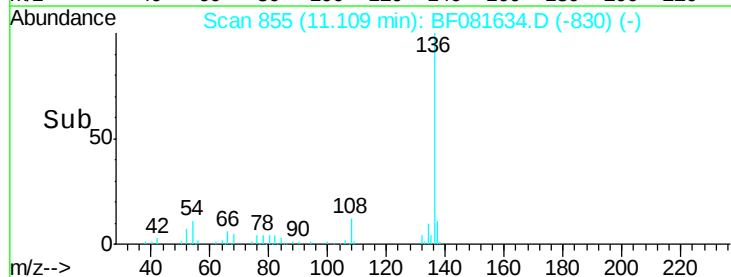
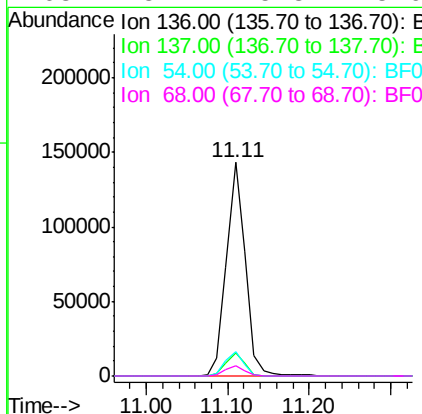
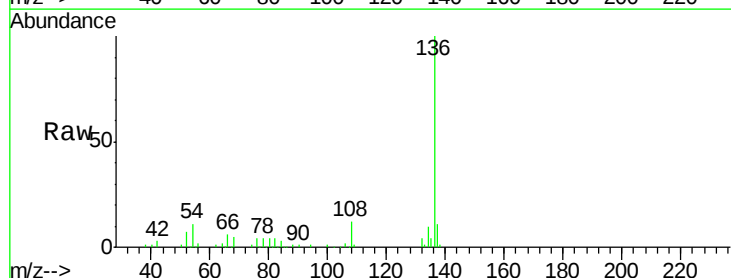
Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1RE

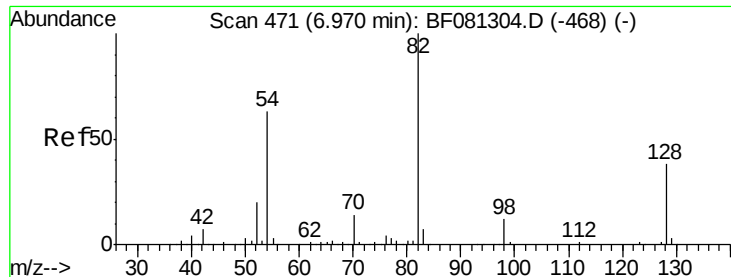
Tgt Ion: 70 Resp: 45977
Ion Ratio Lower Upper
70 100
42 59.8 63.8 95.6#
101 0.0 9.2 13.8#
130 1.7 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Tgt Ion: 136 Resp: 229284
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 11.3 8.2 12.2
68 5.1 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 71.59 ng

RT: 9.51 min Scan# 715

Delta R.T. -0.02 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

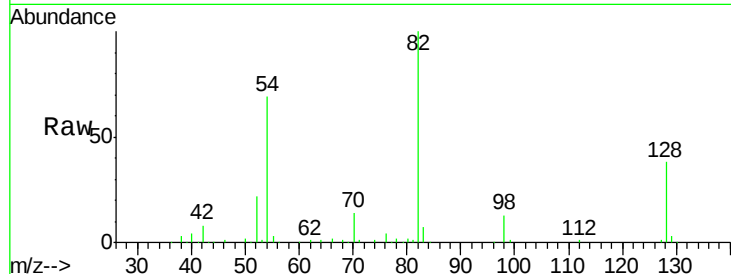
Tgt Ion: 82 Resp: 340199

Ion Ratio Lower Upper

82 100

128 37.6 51.0 76.6#

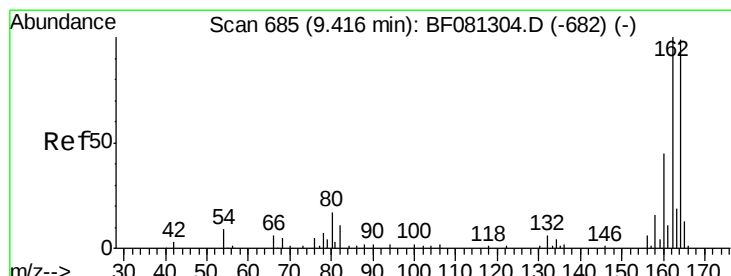
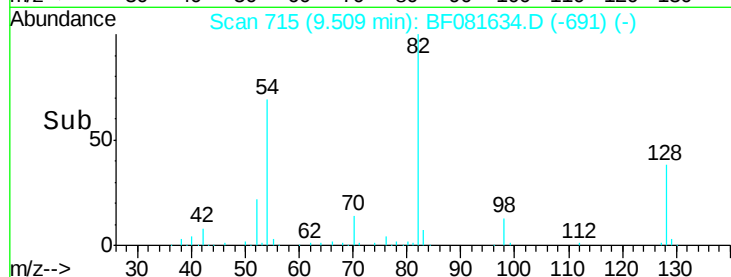
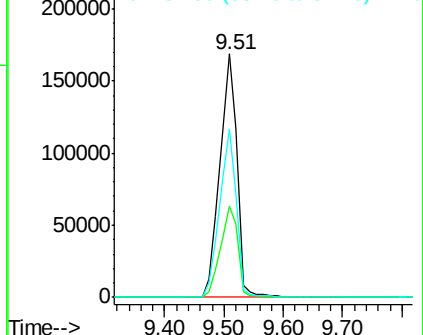
54 69.0 47.5 71.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

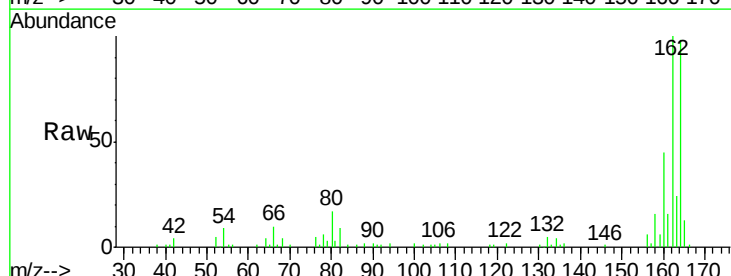
Tgt Ion: 164 Resp: 103244

Ion Ratio Lower Upper

164 100

162 102.1 75.2 112.8

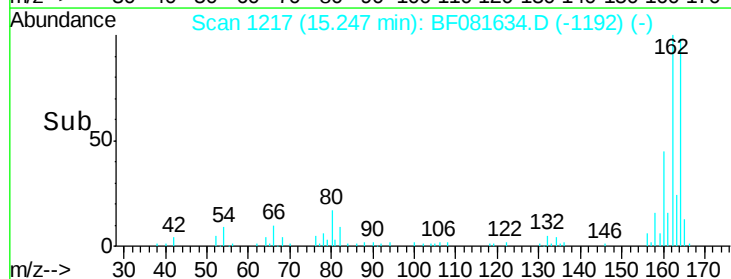
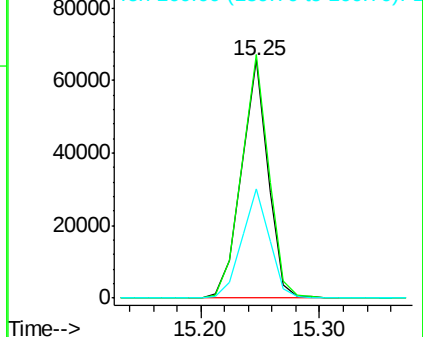
160 45.7 31.5 47.3

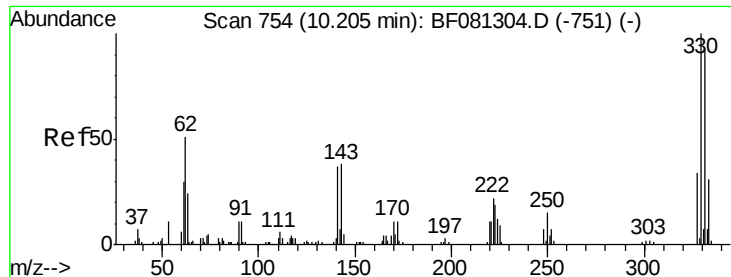


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

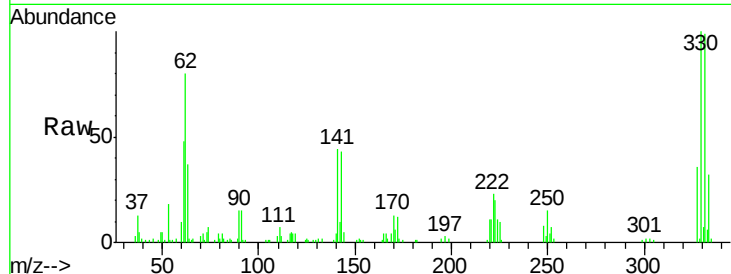




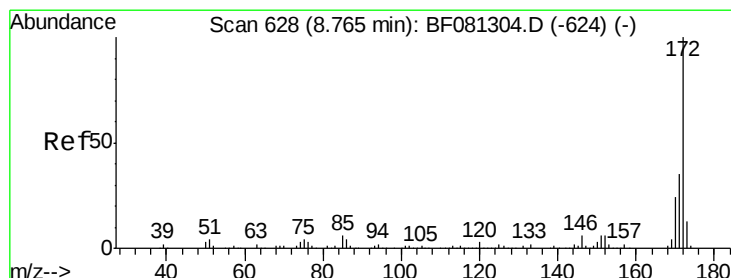
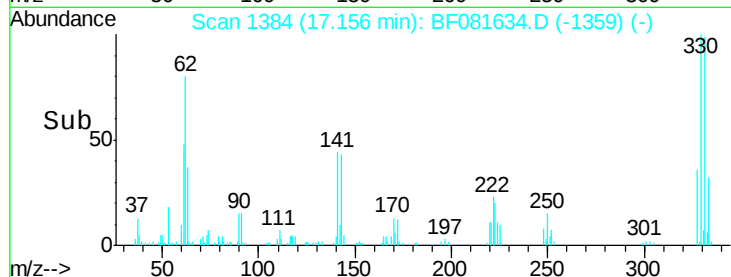
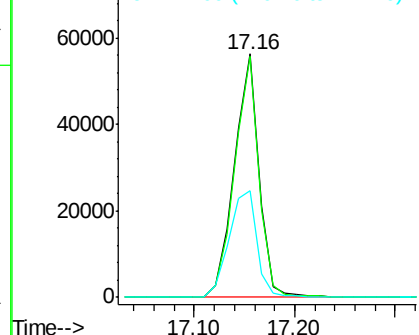
#41
 2,4,6-Tribromophenol
 Concen: 104.22 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE

Tgt Ion: 330 Resp: 95810
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 49.5 29.7 44.5#

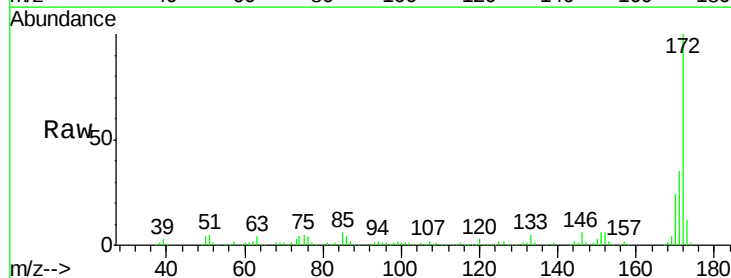


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

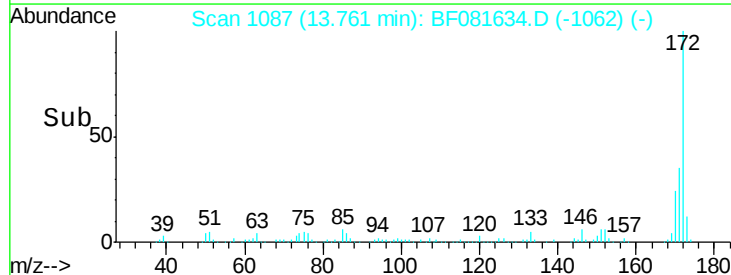
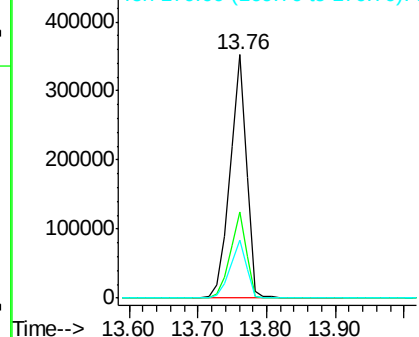


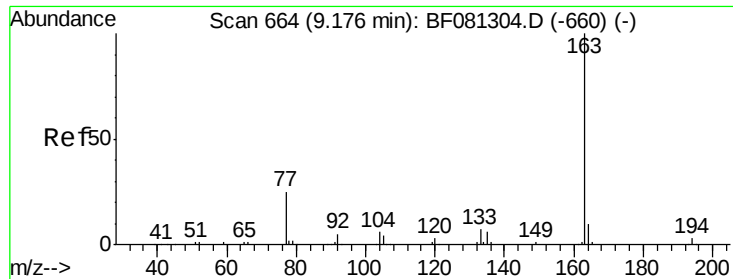
#44
 2-Fluorobiphenyl
 Concen: 74.85 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Tgt Ion: 172 Resp: 603076
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.9 17.4 26.2



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





#49

Dimethylphthalate

Concen: 14.78 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

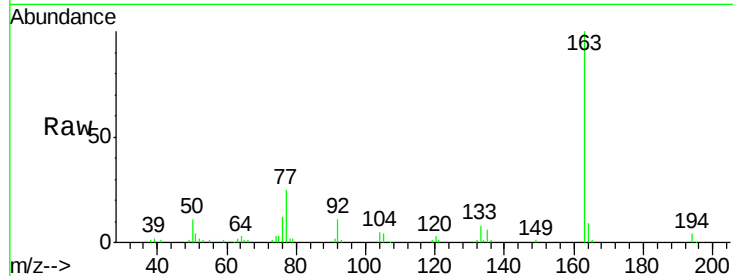
Tgt Ion:163 Resp: 118520

Ion Ratio Lower Upper

163 100

194 3.6 4.4 6.6#

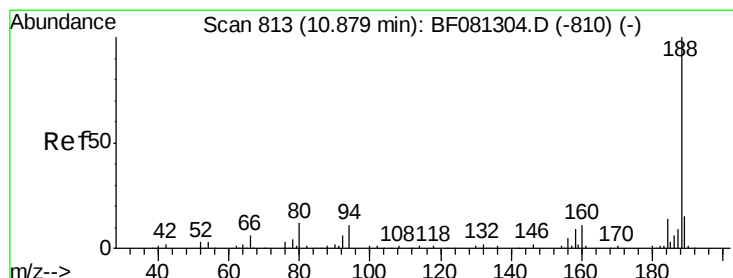
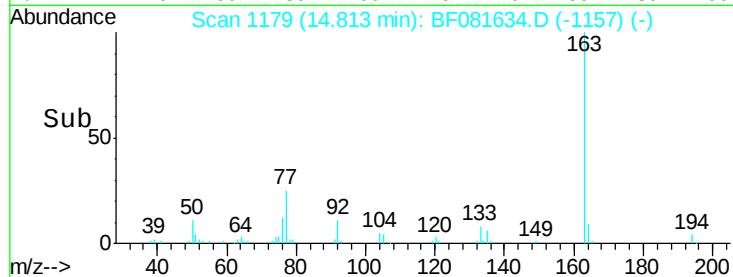
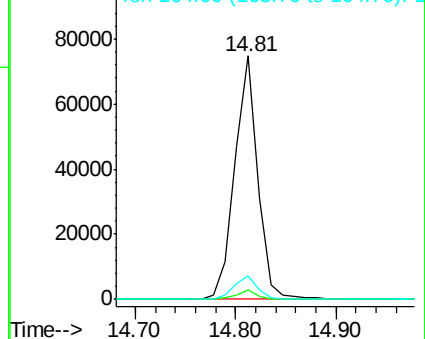
164 9.4 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.76 min Scan# 1524

Delta R.T. 0.00 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

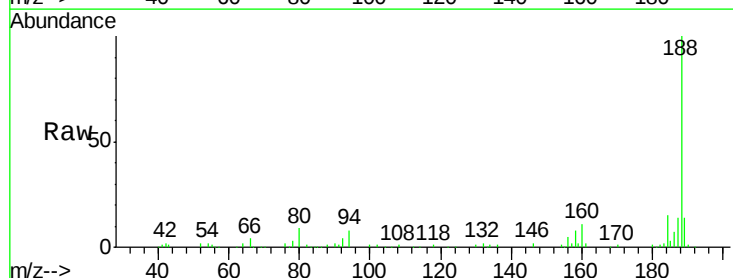
Tgt Ion:188 Resp: 187943

Ion Ratio Lower Upper

188 100

94 7.9 11.1 16.7#

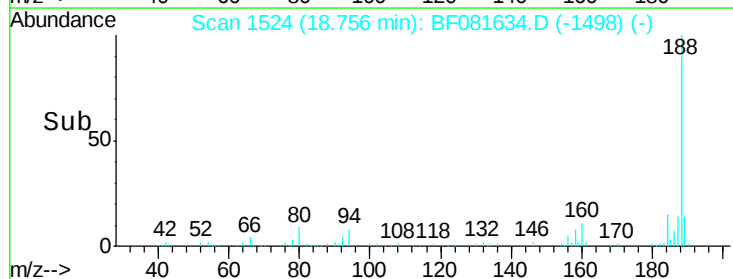
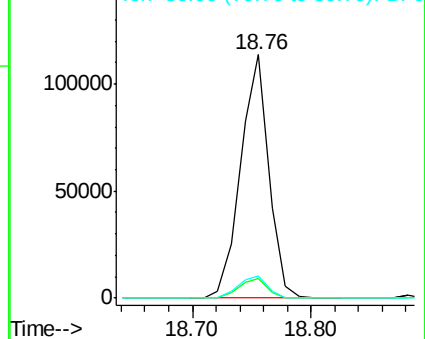
80 9.0 11.0 16.4#

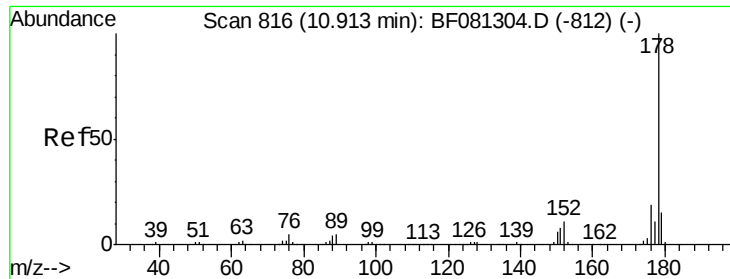


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

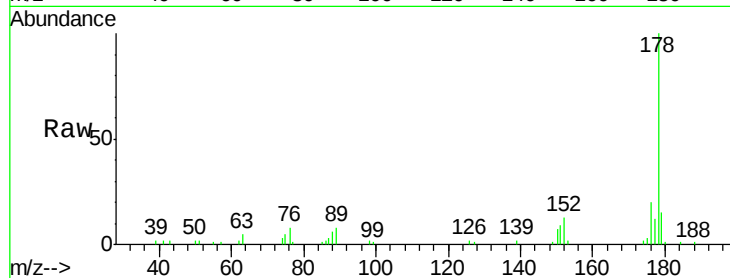




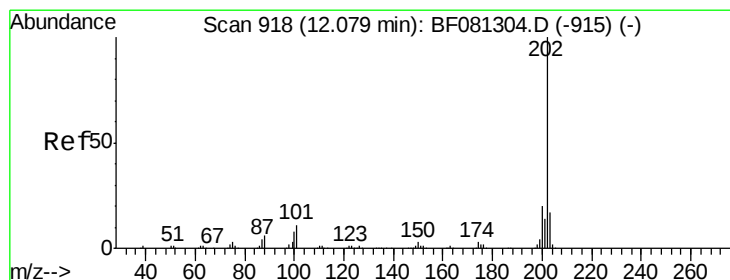
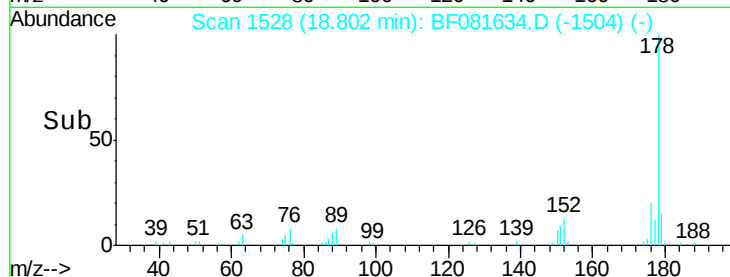
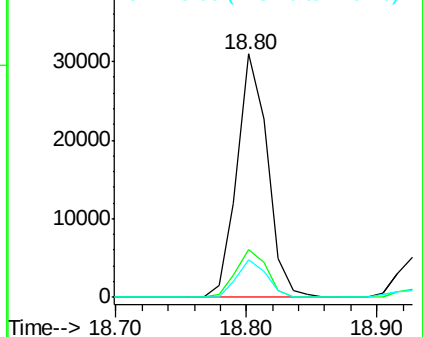
#70
Phenanthrene
Concen: 4.80 ng
RT: 18.80 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1RE

Tgt Ion:178 Resp: 50184
Ion Ratio Lower Upper
178 100
176 19.7 13.8 20.8
179 15.2 12.2 18.2

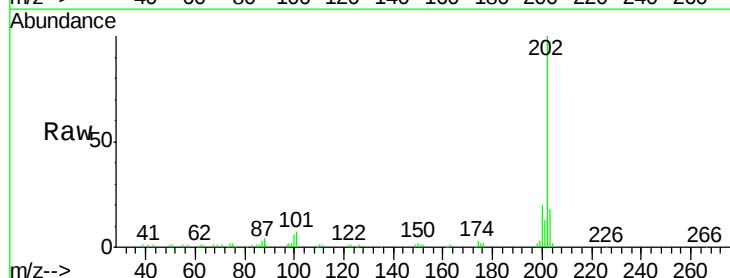


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

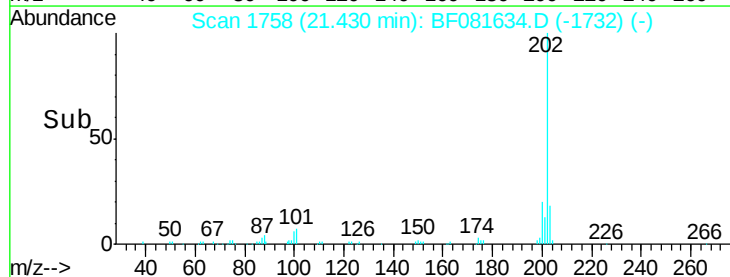
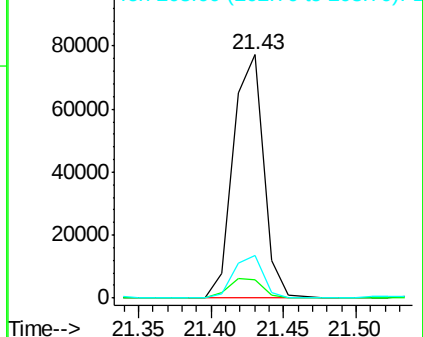


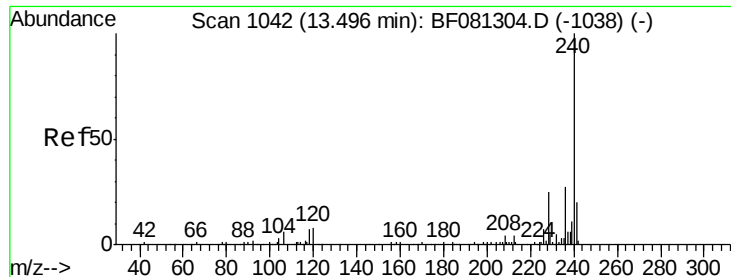
#74
Fluoranthene
Concen: 9.91 ng
RT: 21.43 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Tgt Ion:202 Resp: 112037
Ion Ratio Lower Upper
202 100
101 7.4 0.0 38.3
203 17.8 0.0 37.3



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: 23.38 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

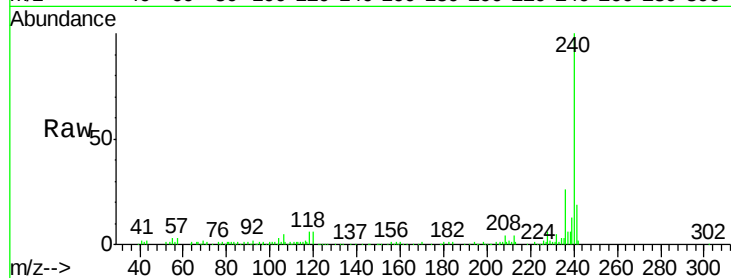
Tgt Ion:240 Resp: 120853

Ion Ratio Lower Upper

240 100

120 6.2 16.2 24.2#

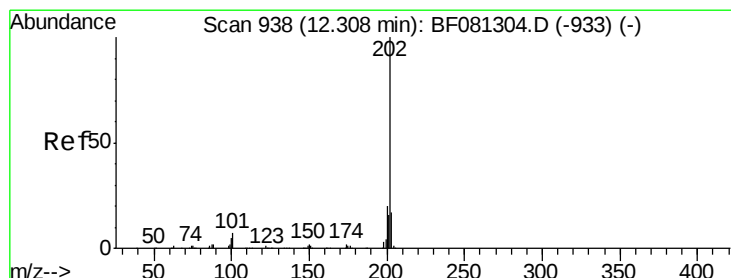
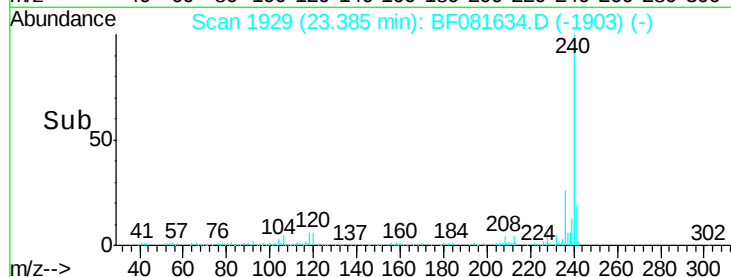
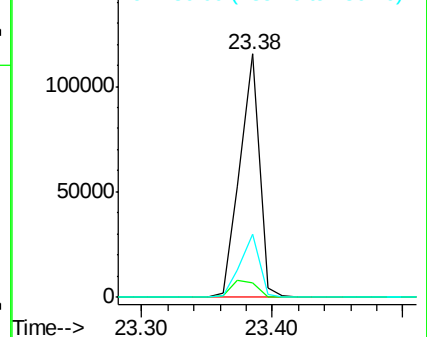
236 26.1 18.4 27.6



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: 10.93 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

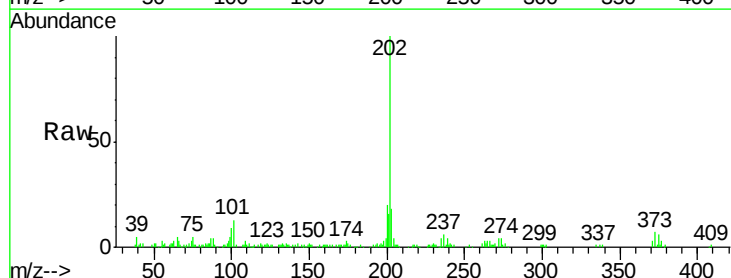
Tgt Ion:202 Resp: 97850

Ion Ratio Lower Upper

202 100

200 20.2 15.0 22.4

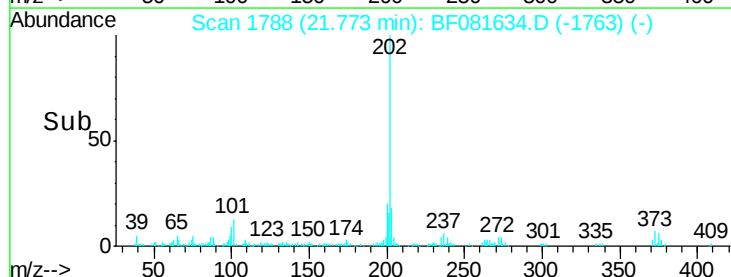
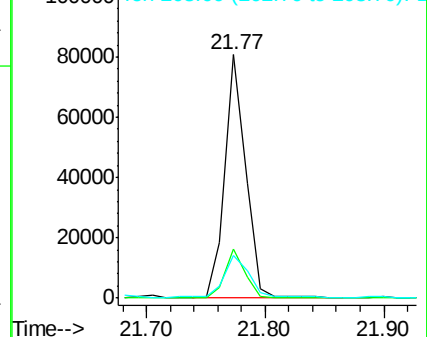
203 17.7 14.1 21.1

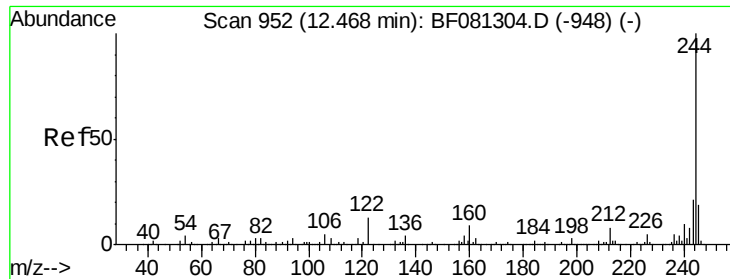


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.29 ng

RT: 22.12 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

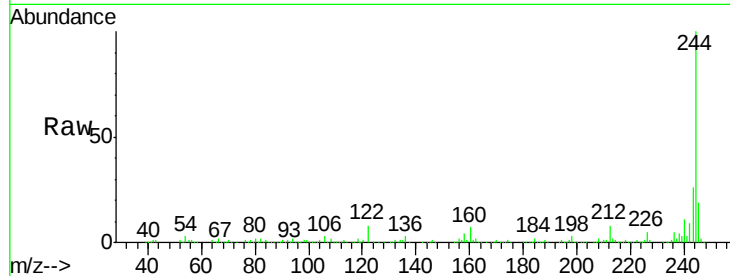
Tgt Ion:244 Resp: 442813

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

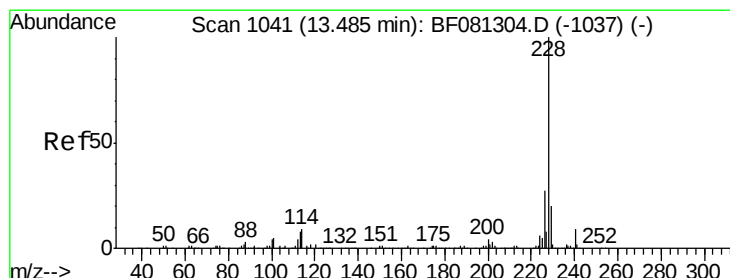
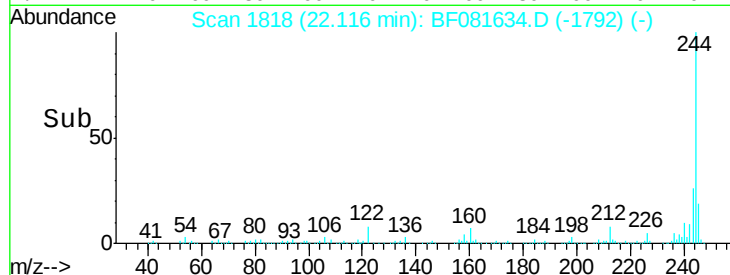
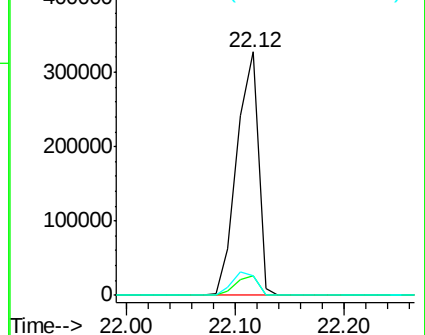
122 7.9 17.4 26.2#



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: 5.65 ng

RT: 23.37 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

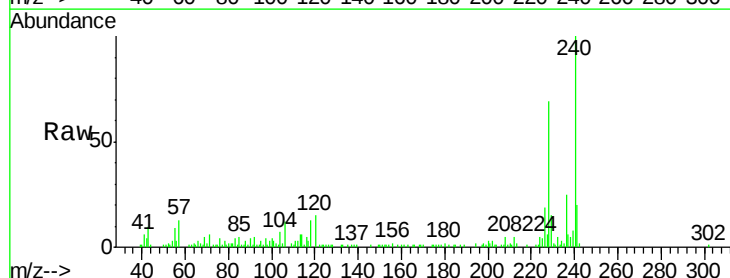
Tgt Ion:228 Resp: 43472

Ion Ratio Lower Upper

228 100

226 27.8 20.0 30.0

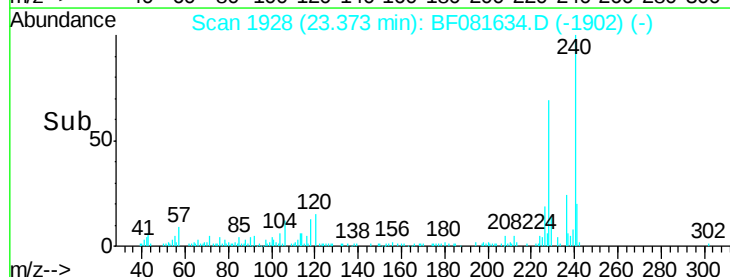
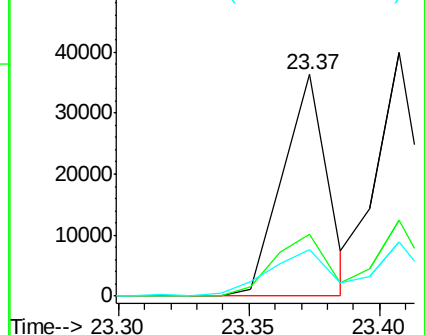
229 21.1 15.4 23.2

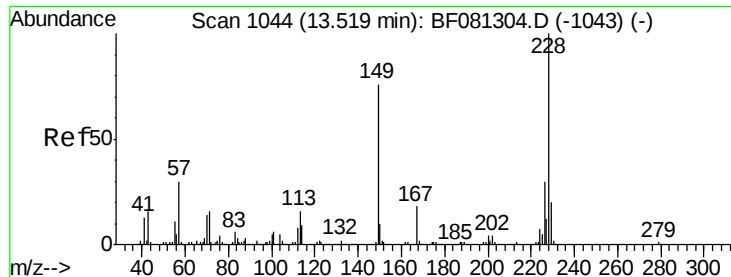


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.59 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

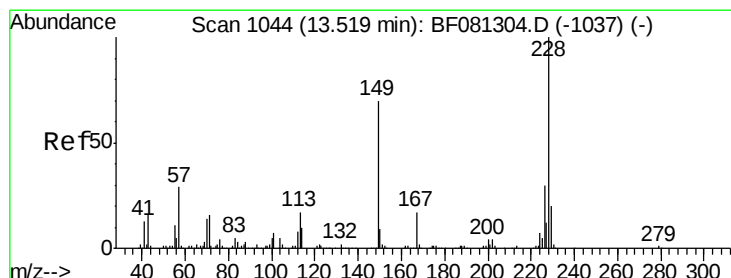
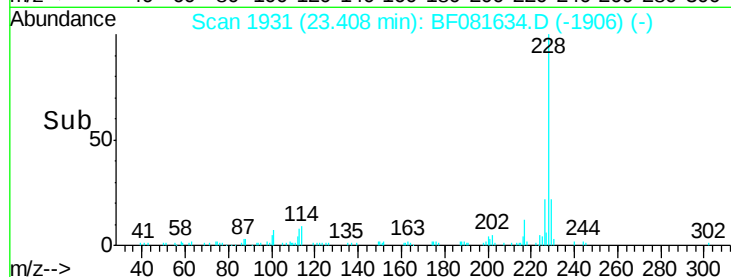
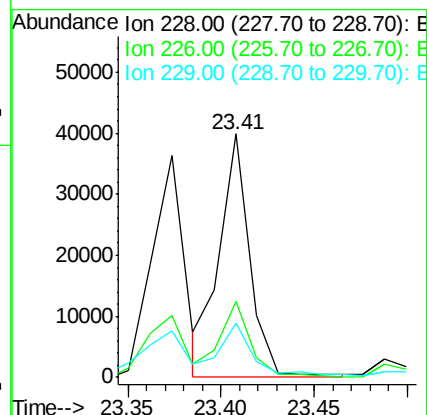
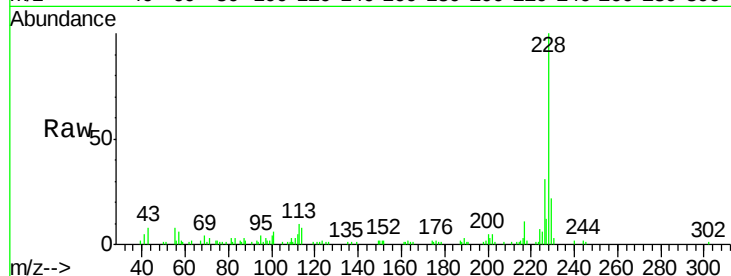
Tgt Ion:228 Resp: 45482

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

229 22.3 15.6 23.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.88 ng

RT: 23.49 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

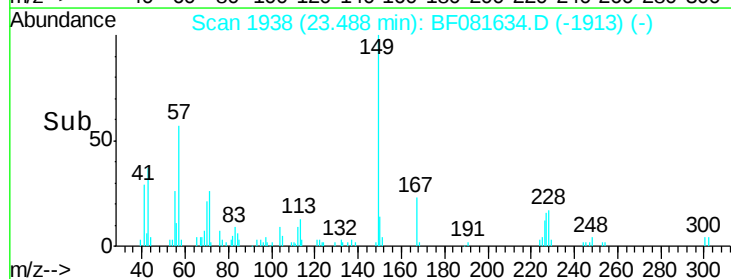
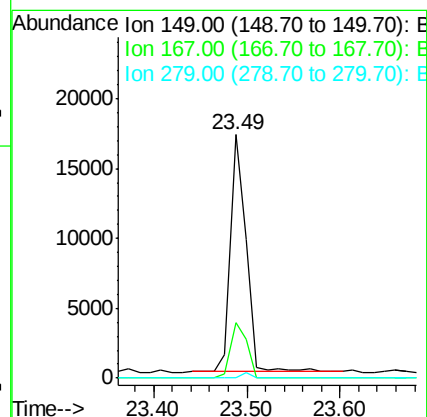
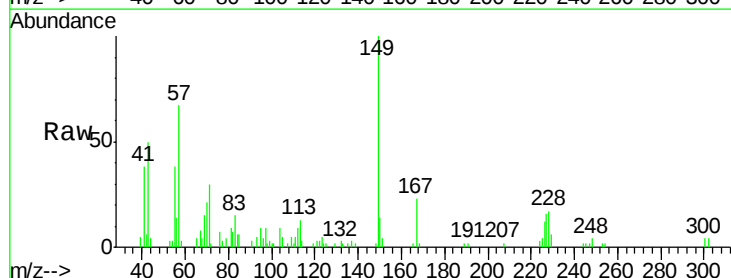
Tgt Ion:149 Resp: 19952

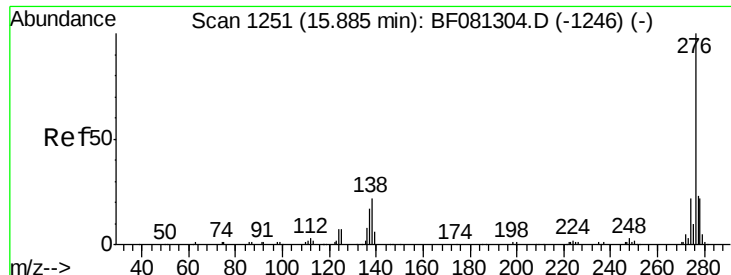
Ion Ratio Lower Upper

149 100

167 22.5 24.2 36.2#

279 0.0 3.8 5.6#

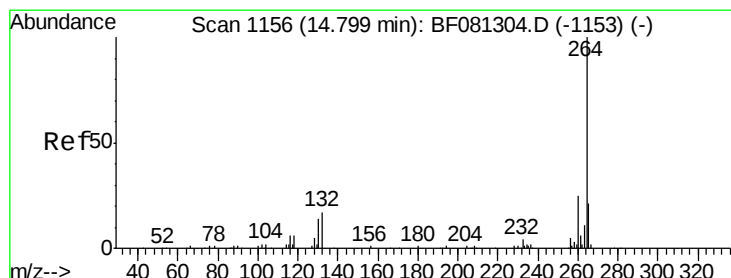
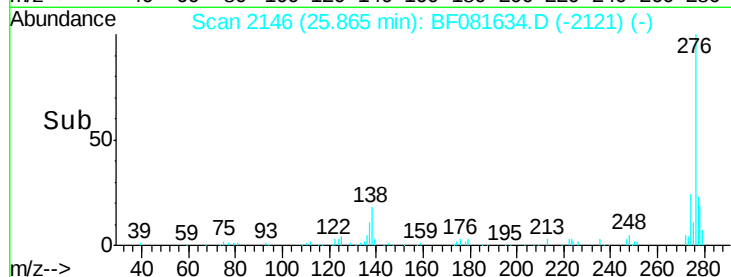
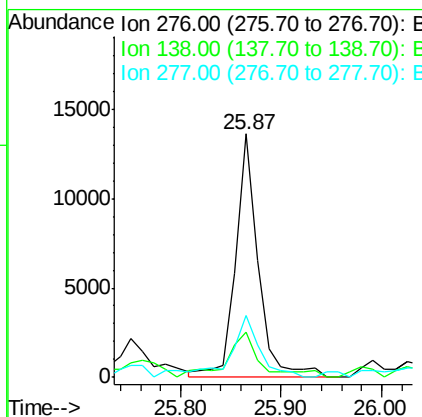
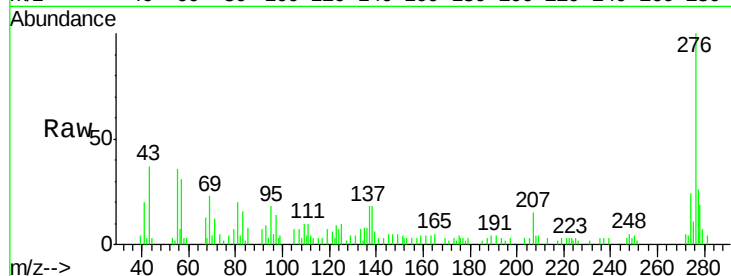




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.23 ng
 RT: 25.87 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

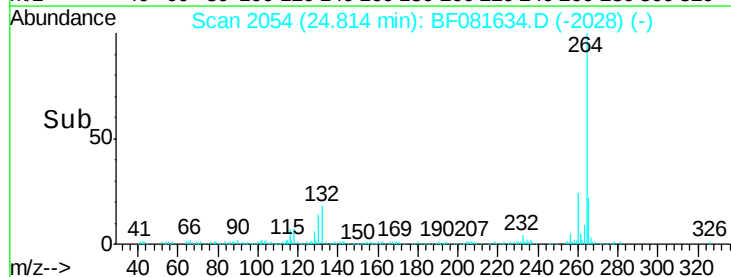
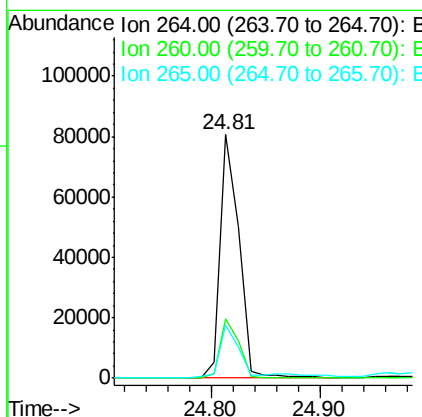
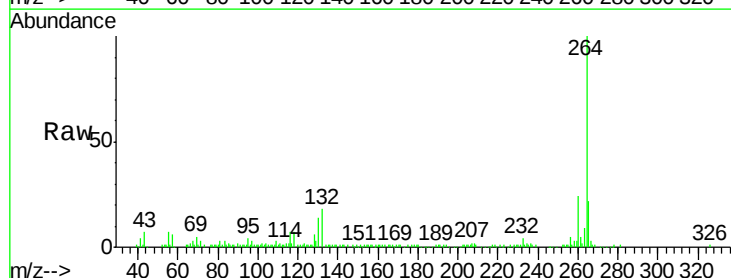
Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE

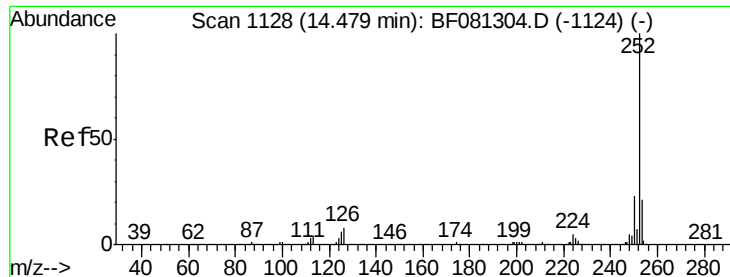
Tgt Ion: 276 Resp: 21393
 Ion Ratio Lower Upper
 276 100
 138 25.4 25.7 38.5#
 277 34.3 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Tgt Ion: 264 Resp: 97003
 Ion Ratio Lower Upper
 264 100
 260 24.2 16.7 25.1
 265 21.8 17.2 25.8

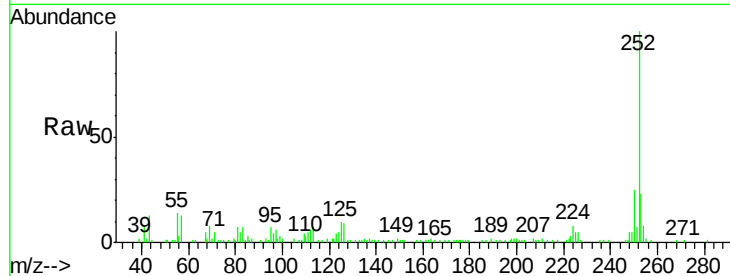




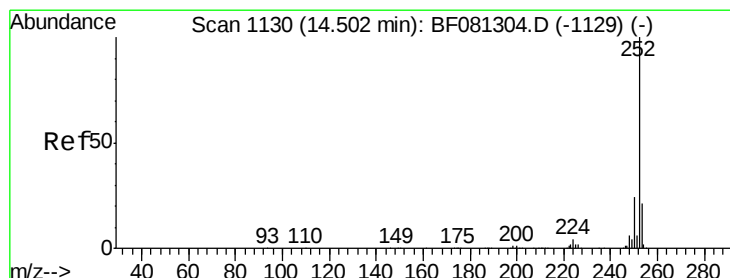
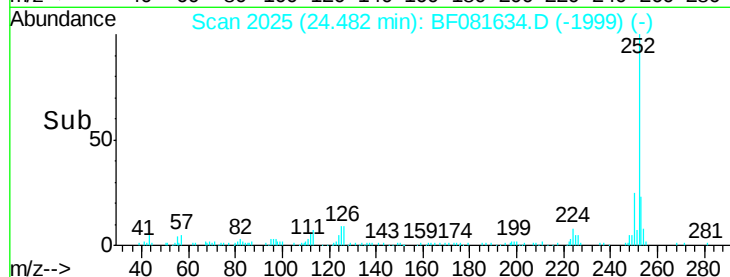
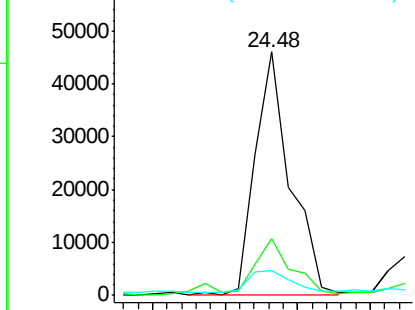
#87
Benzo(b)fluoranthene
Concen: 11.21 ng
RT: 24.48 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1RE

Tgt Ion:252 Resp: 77618
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.0 17.1 25.7#

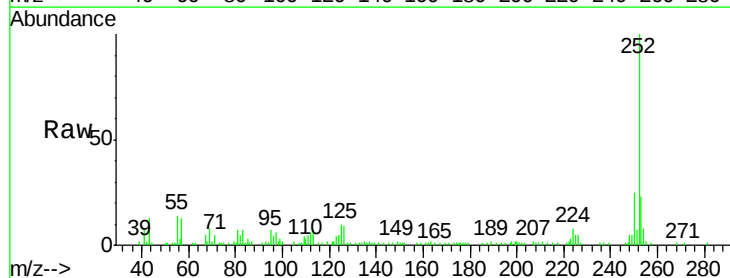


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

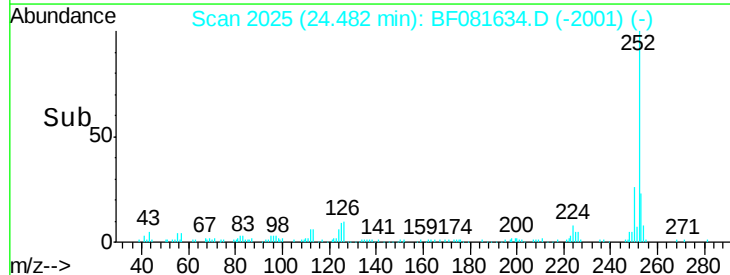
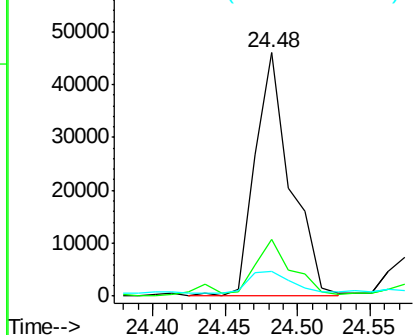


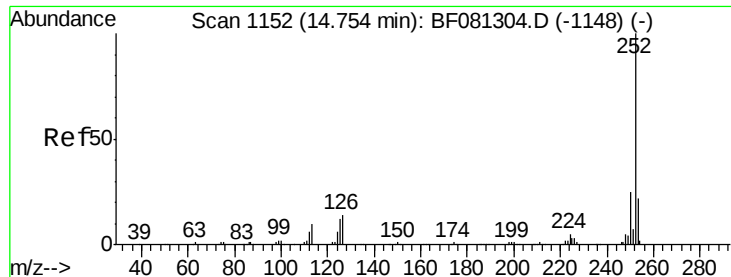
#88
Benzo(k)fluoranthene
Concen: 13.51 ng
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Tgt Ion:252 Resp: 77618
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 10.0 16.0 24.0#



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





#89

Benzo(a)pyrene

Concen: 6.48 ng

RT: 24.77 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

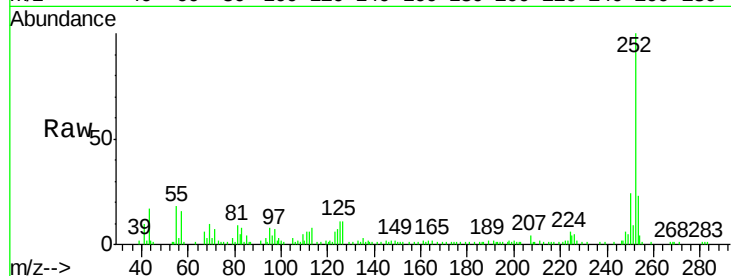
Tgt Ion:252 Resp: 38046

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

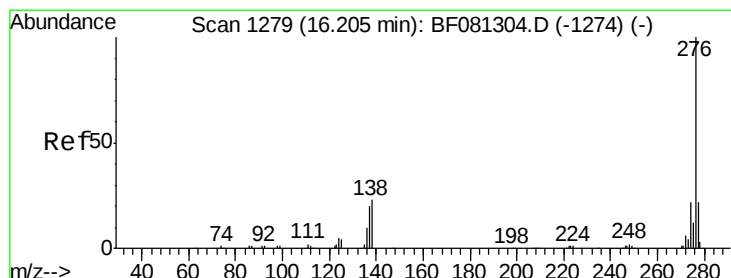
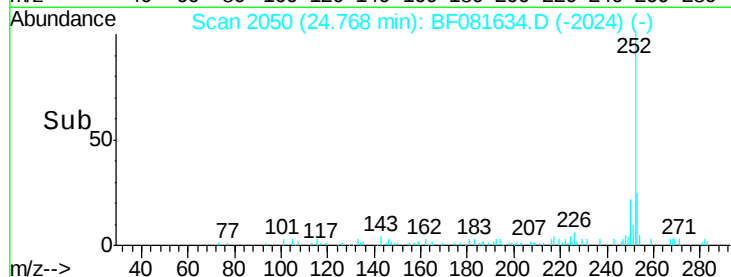
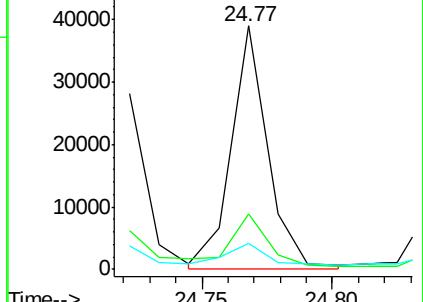
125 10.5 18.0 27.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.11 ng

RT: 26.17 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

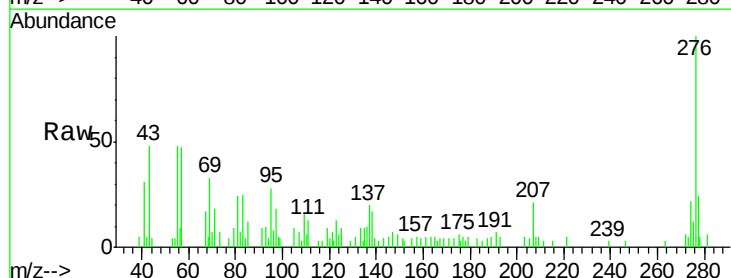
Tgt Ion:276 Resp: 17798

Ion Ratio Lower Upper

276 100

277 24.0 17.8 26.6

138 16.8 34.6 51.8#



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

