

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102786.D
 Acq On : 6 Feb 2018 16:12
 Operator : SJ/JU
 Sample : J1454-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(4-8)

Quant Time: Feb 06 18:35:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	149088	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	599029	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	219313	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	275444	20.00	ng	0.01
75) Chrysene-d12	14.12	240	85090	20.00	ng	0.07
86) Perylene-d12	15.63	264	140720	20.00	ng	0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1297094	132.13	ng	0.01
7) Phenol-d6	6.52	99	1454304	123.03	ng	0.01
23) Nitrobenzene-d5	7.45	82	869874	100.74	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	207186	117.37	ng	0.01
44) 2-Fluorobiphenyl	9.25	172	1082651	81.92	ng	0.00
78) Terphenyl-d14	13.04	244	312039	86.83	ng	0.05

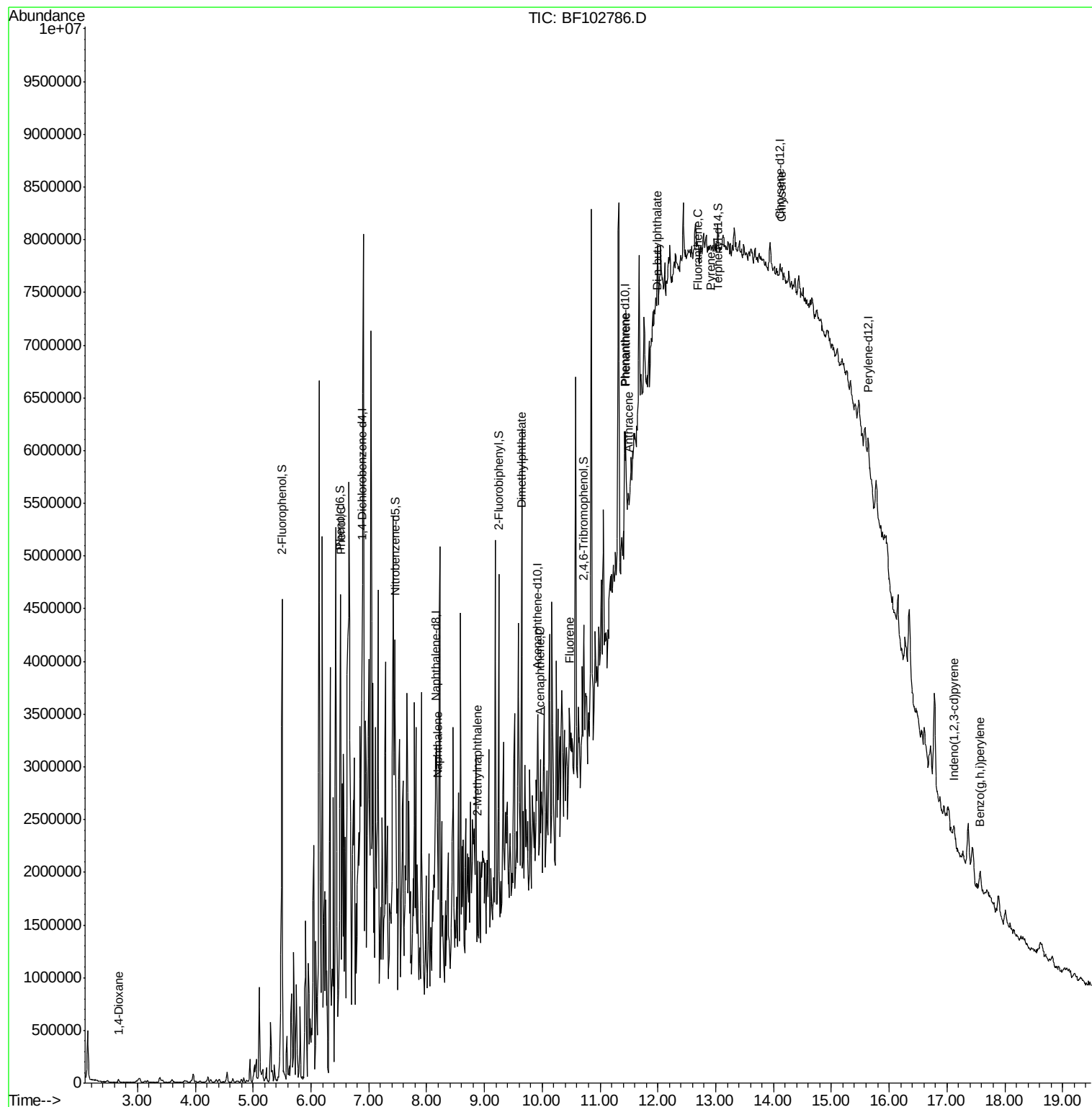
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.66	88	13145	2.711	ng	# 67
10) Phenol	6.52	94	39152	3.091	ng	# 82
31) Naphthalene	8.19	128	144299	4.930	ng	# 85
37) 2-Methylnaphthalene	8.88	142	180120	9.400	ng	# 98
49) Dimethylphthalate	9.63	163	99369	5.811	ng	# 89
51) Acenaphthene	9.96	154	61148	4.527	ng	# 93
57) Fluorene	10.47	166	99037	7.151	ng	# 95
70) Phenanthrene	11.44	178	429901	28.024	ng	# 95
71) Anthracene	11.50	178	69427	4.450	ng	# 71
73) Di-n-butylphthalate	11.99	149	1479828	79.697	ng	# 99
74) Fluoranthene	12.69	202	187735	12.164	ng	# 83
77) Pyrene	12.92	202	178769	26.792	ng	# 89
82) Chrysene	14.14	228	98982	18.349	ng	# 65
85) Indeno(1,2,3-cd)pyrene	17.12	276	69612	15.559	ng	# 98
91) Benzo(a,h,i)perylene	17.57	276	74406	11.405	ng	# 82

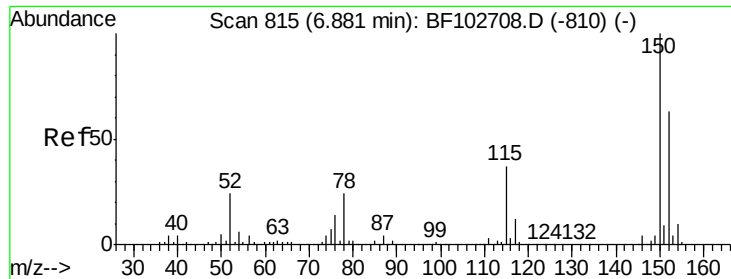
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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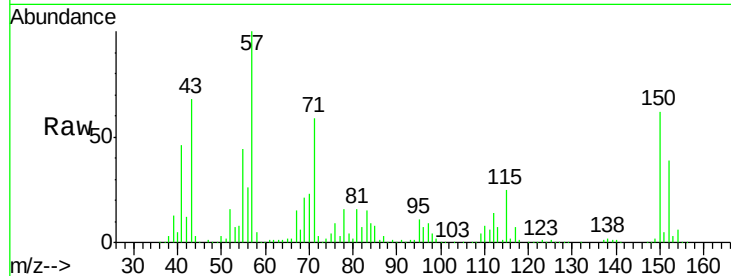


#1

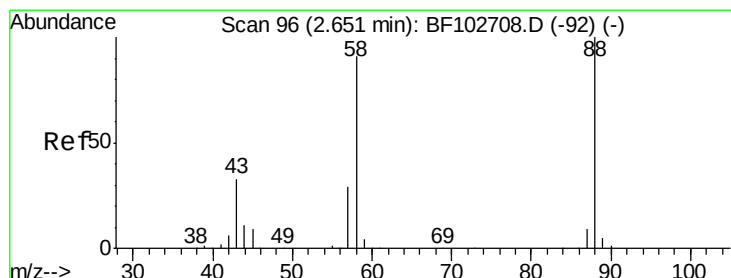
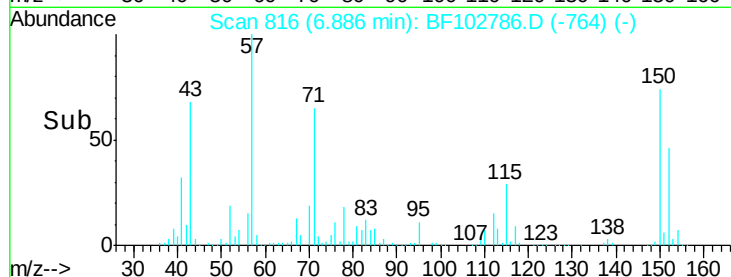
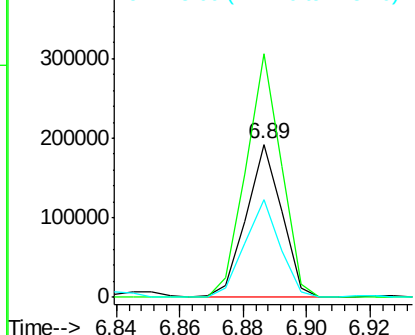
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102786.D
Acq: 6 Feb 2018 16:12

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(4-8)

Tot Ion:152 Resp: 149088
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 63.5 50.1 75.1



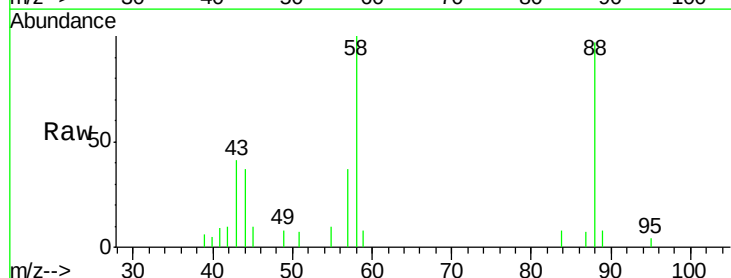
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



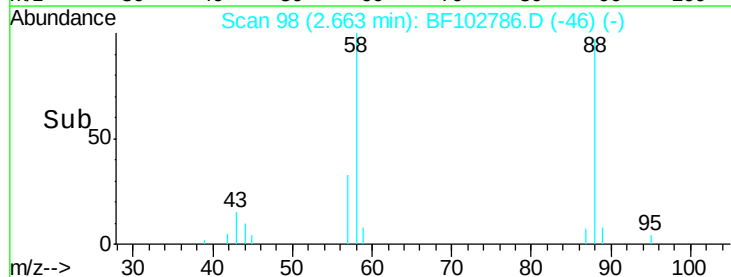
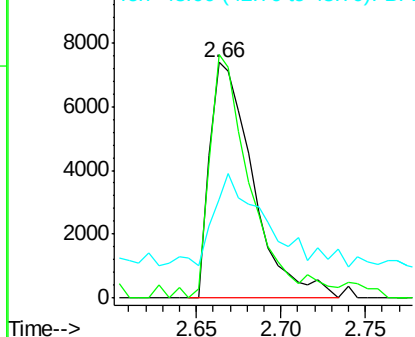
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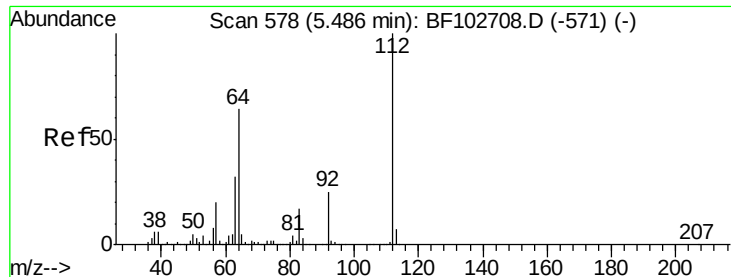
1,4-Dioxane
Concen: 2.711 ng
RT: 2.66 min Scan# 98
Delta R.T. 0.01 min
Lab File: BF102786.D
Acq: 6 Feb 2018 16:12

Tgt Ion: 88 Resp: 13145
Ion Ratio Lower Upper
88 100
58 98.7 62.6 93.8#
43 62.9 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 132.127 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

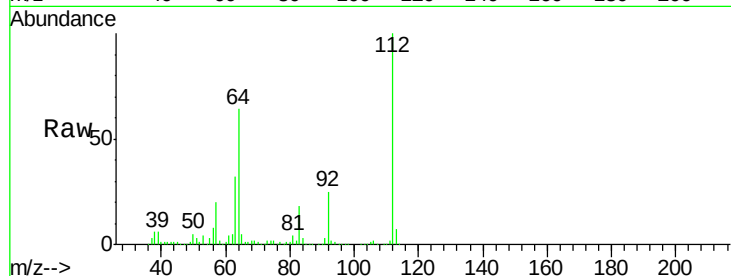
Tot Ion:112 Resp: 1297094

Ion Ratio Lower Upper

112 100

64 63.6 47.9 71.9

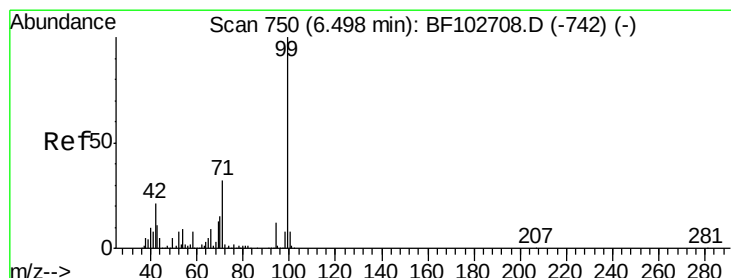
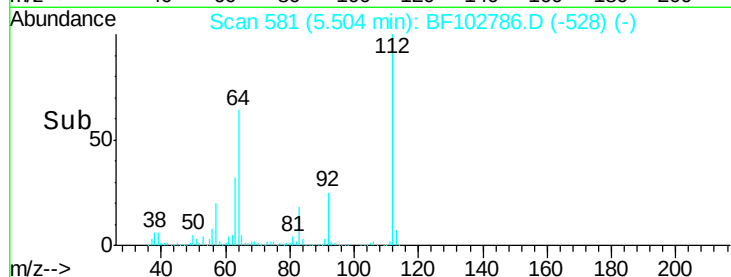
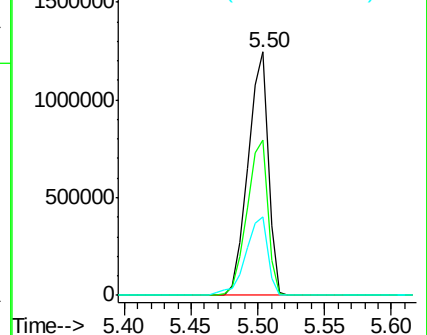
63 32.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 123.034 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

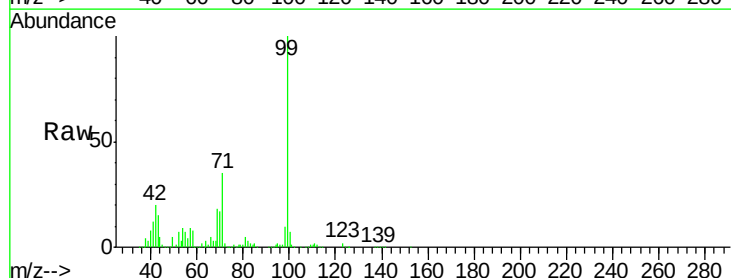
Tgt Ion: 99 Resp: 1454304

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

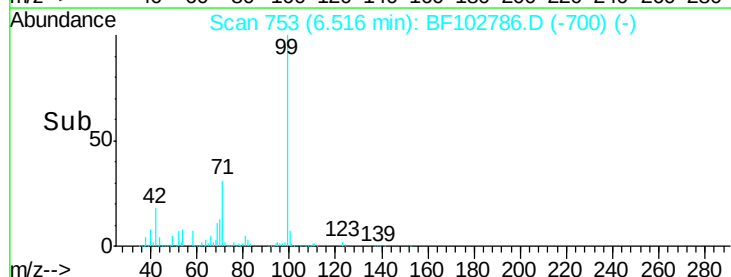
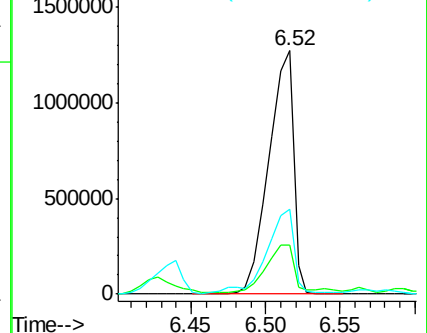
71 34.9 25.4 38.0

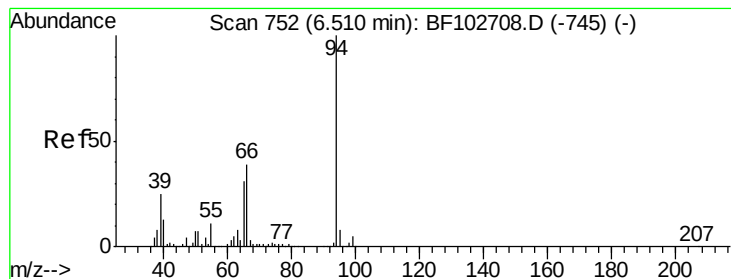


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 3.091 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

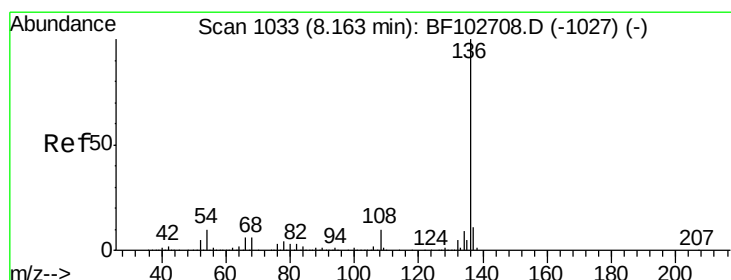
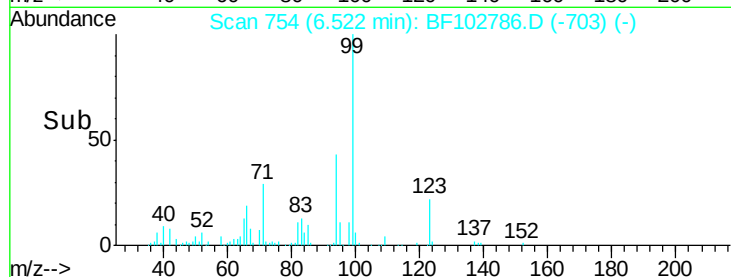
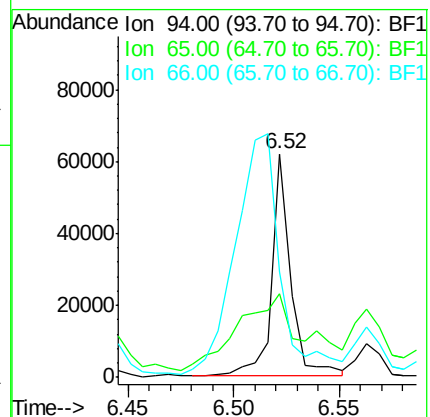
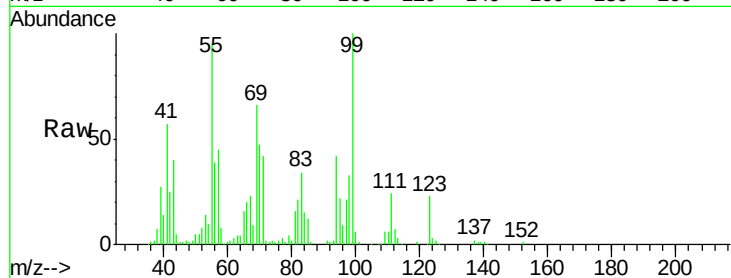
Tot Ion: 94 Resp: 39152

Ion Ratio Lower Upper

94 100

65 37.3 7.9 47.9

66 47.1 16.2 56.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Tgt Ion: 136 Resp: 599029

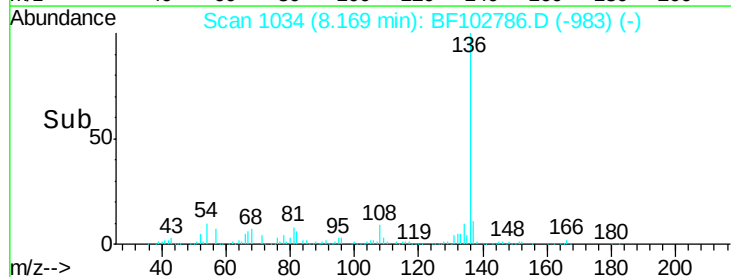
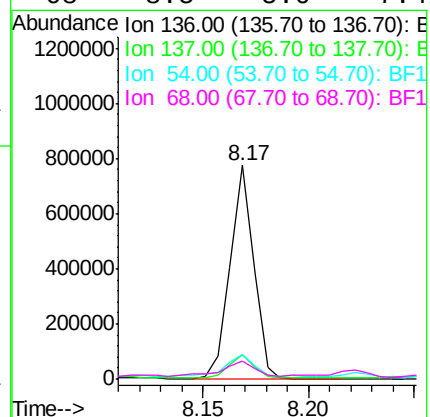
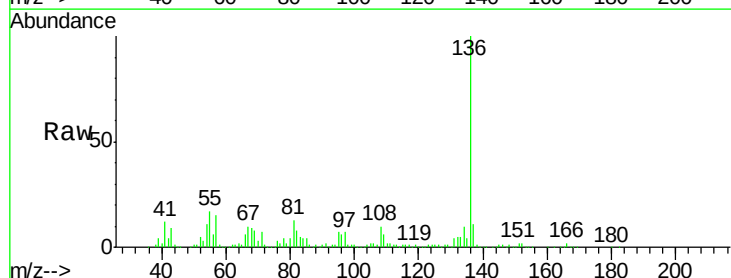
Ion Ratio Lower Upper

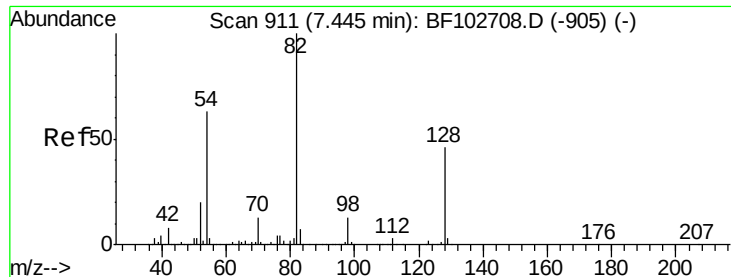
136 100

137 11.5 8.9 13.3

54 11.5 6.6 9.8#

68 8.5 5.0 7.4#

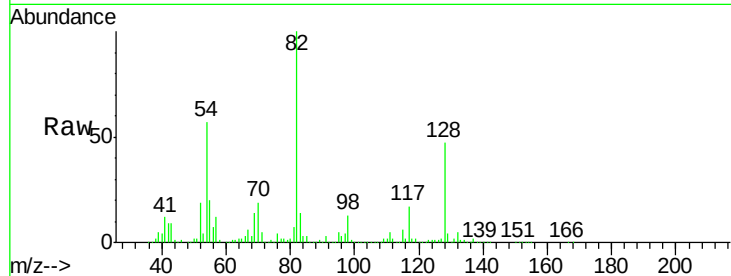




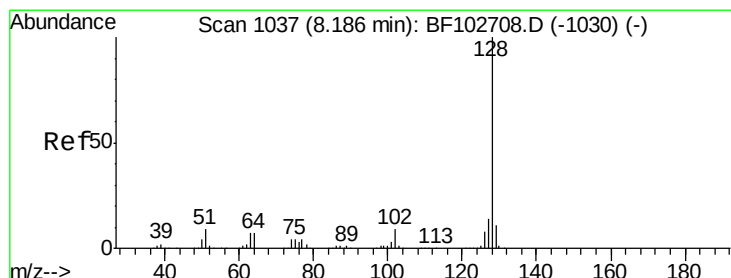
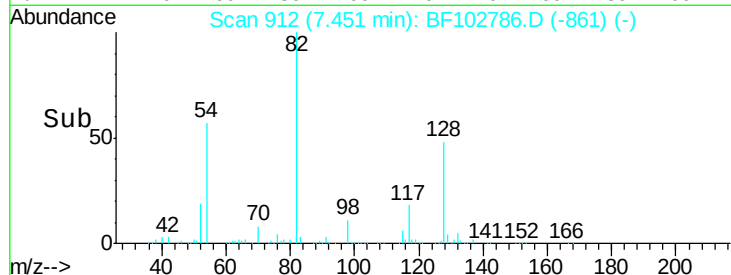
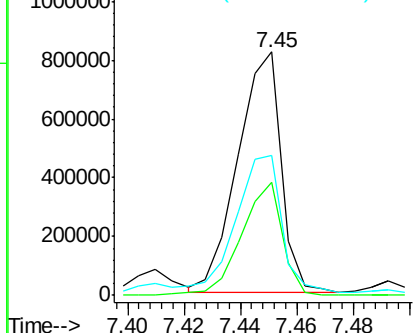
#23
Nitrobenzene-d5
Concen: 100.736 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF102786.D
Acq: 6 Feb 2018 16:12

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(4-8)

Tot Ion: 82 Resp: 869874
Ion Ratio Lower Upper
82 100
128 46.5 36.1 54.1
54 57.4 41.4 62.2

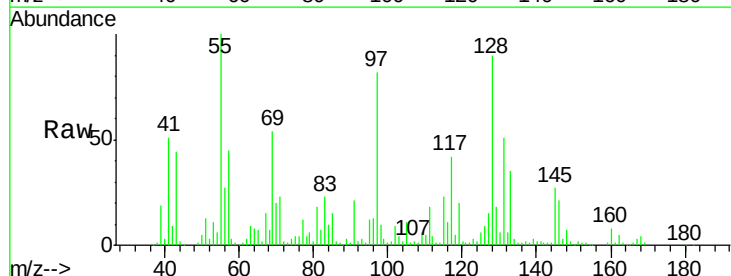


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

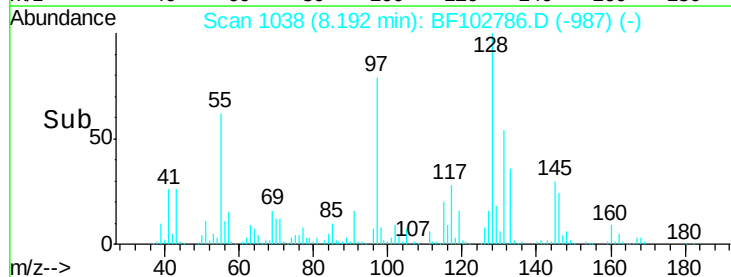
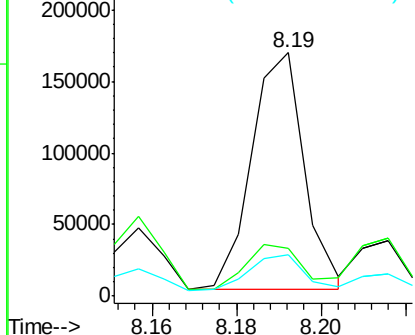


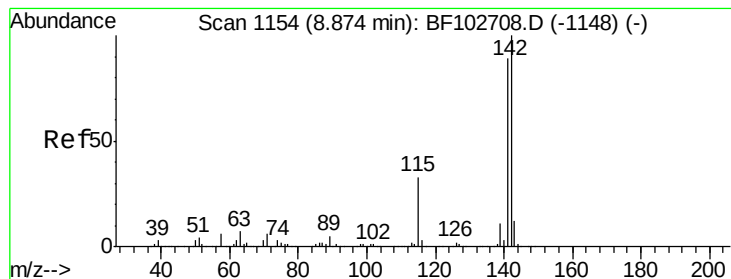
#31
Naphthalene
Concen: 4.930 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF102786.D
Acq: 6 Feb 2018 16:12

Tgt Ion: 128 Resp: 144299
Ion Ratio Lower Upper
128 100
129 19.5 8.8 13.2#
127 17.0 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





#37

2-Methylnaphthalene

Concen: 9.400 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

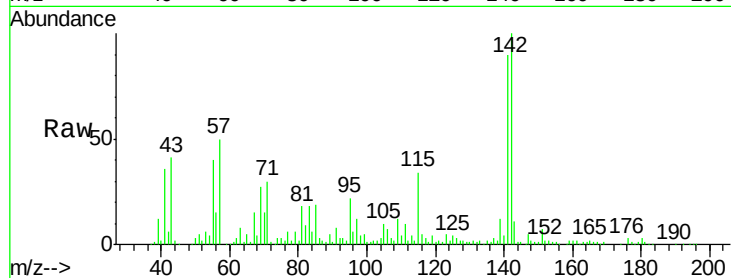
Tot Ion:142 Resp: 180120

Ion Ratio Lower Upper

142 100

141 90.2 70.8 106.2

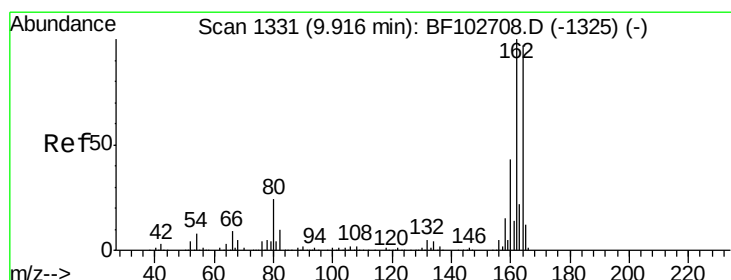
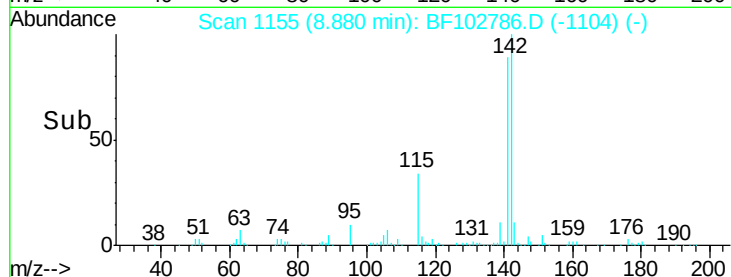
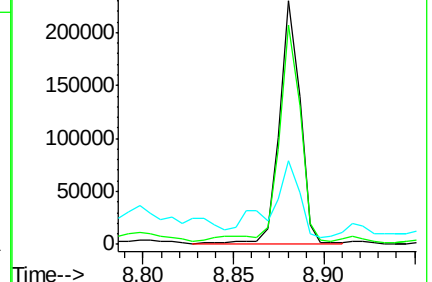
115 34.5 26.1 39.1



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: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

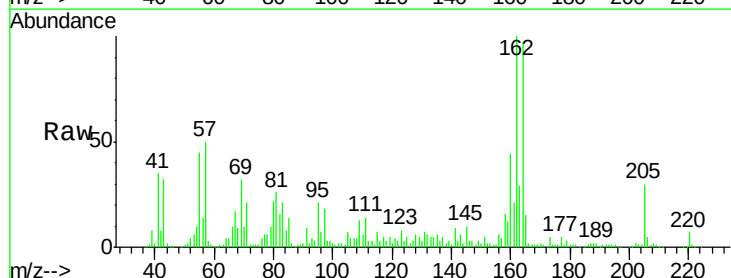
Tgt Ion:164 Resp: 219313

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

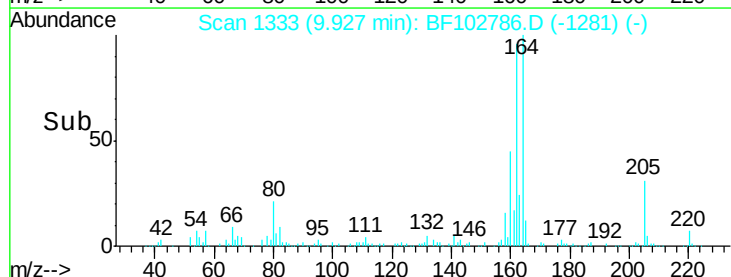
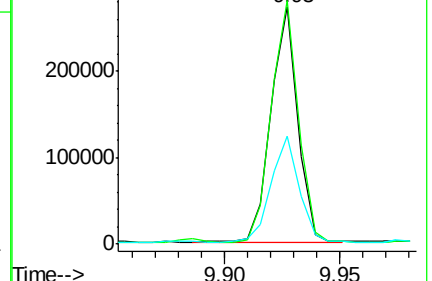
160 45.4 38.3 57.5

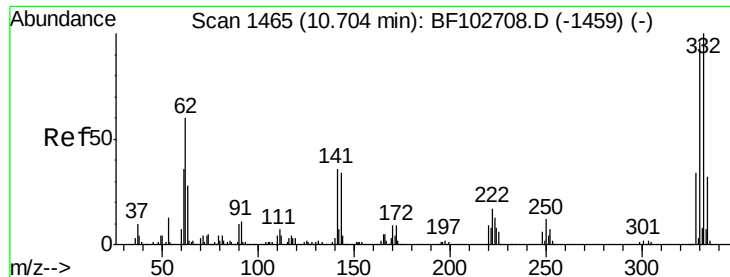


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

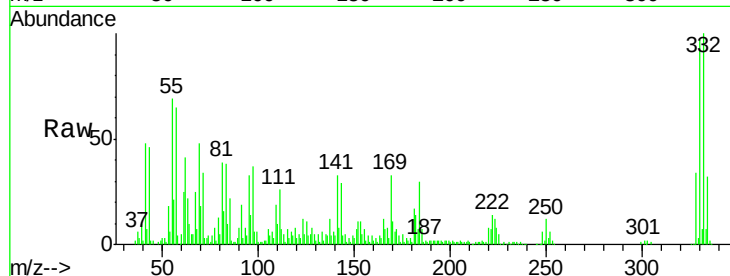




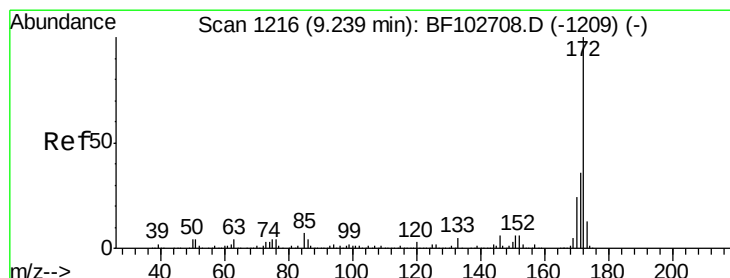
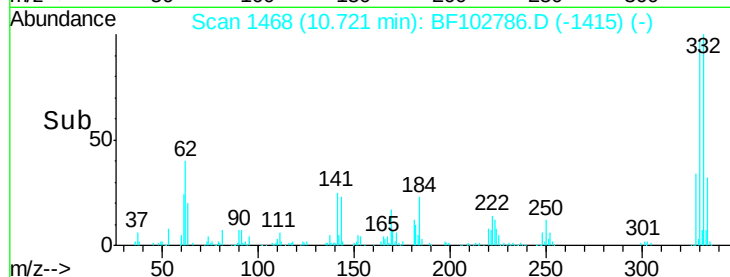
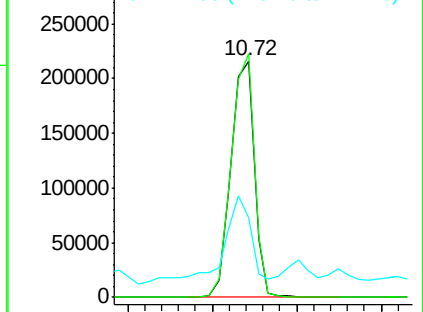
#41
 2,4,6-Tribromophenol
 Concen: 117.372 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF102786.D
 Acq: 6 Feb 2018 16:12

Instrument :
 BNA_F
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 8-SAN-10-EW(4-8)

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.9	77.0	115.6
141	44.6	29.9	44.9

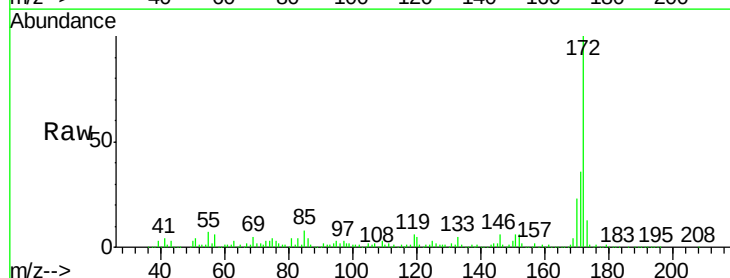


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

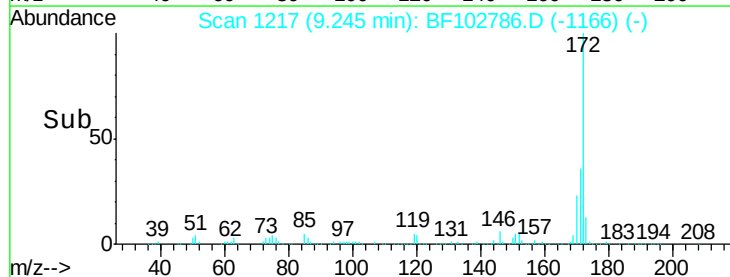
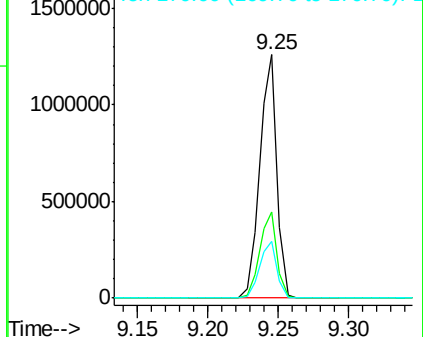


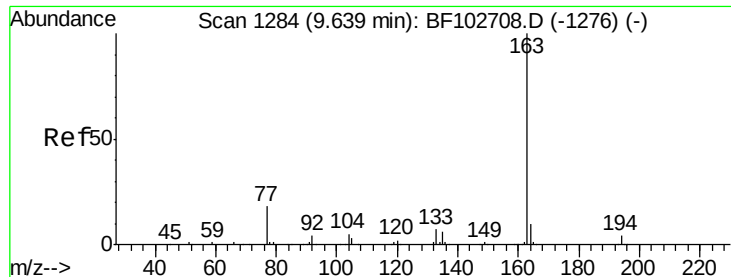
#44
 2-Fluorobiphenyl
 Concen: 81.915 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102786.D
 Acq: 6 Feb 2018 16:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.5	19.6	29.4



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

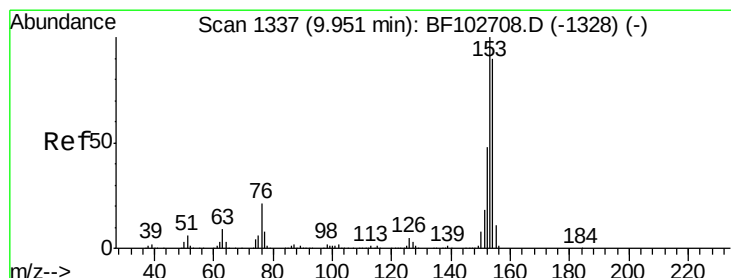
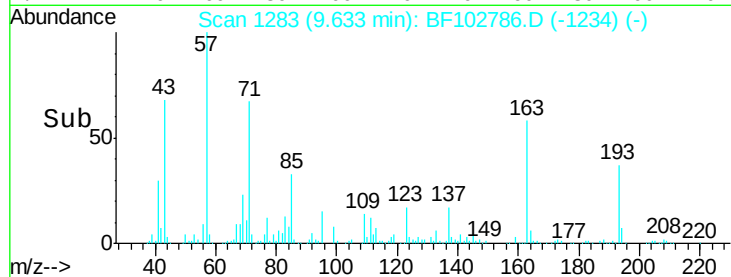
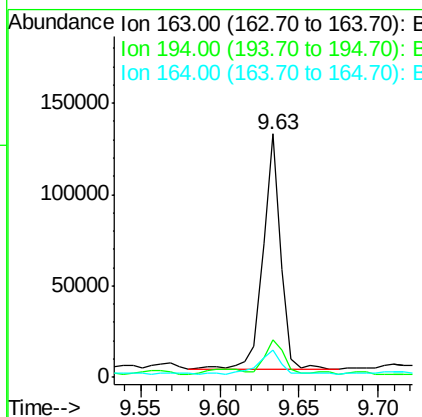
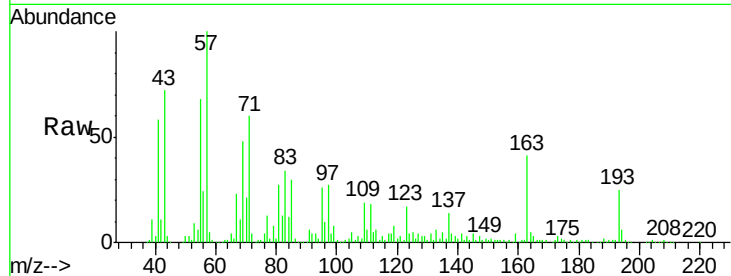




#49
Dimethylphthalate
Concen: 5.811 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102786.D
Acq: 6 Feb 2018 16:12

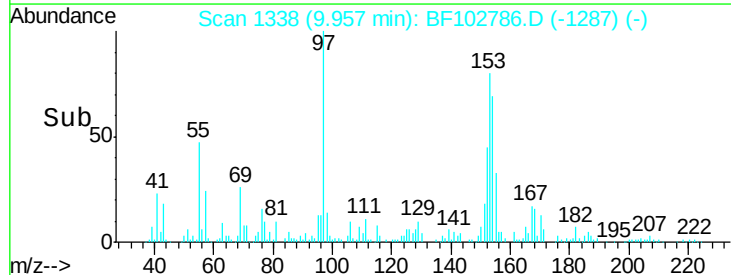
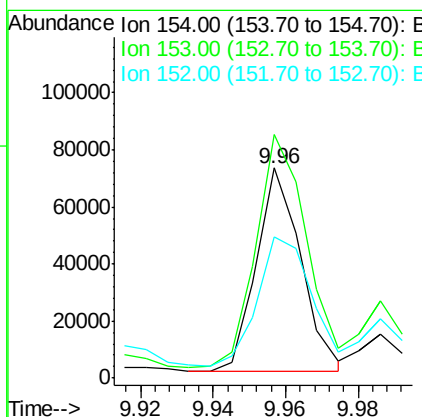
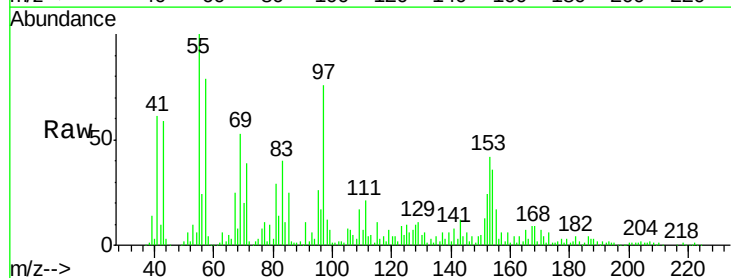
Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(4-8)

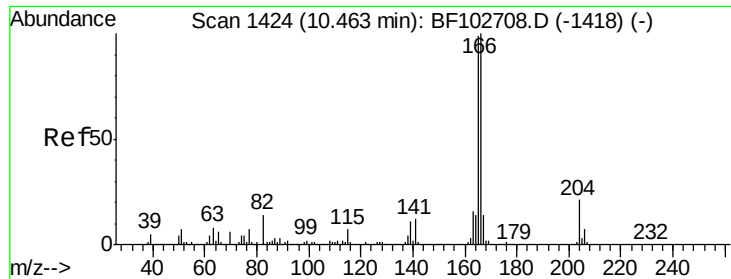
Tot Ion:163 Resp: 99369
Ion Ratio Lower Upper
163 100
194 15.2 2.7 4.1#
164 11.4 8.2 12.2



#51
Acenaphthene
Concen: 4.527 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF102786.D
Acq: 6 Feb 2018 16:12

Tgt Ion:154 Resp: 61148
Ion Ratio Lower Upper
154 100
153 116.1 91.2 136.8
152 67.1 43.8 65.8#





#57

Fluorene

Concen: 7.151 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

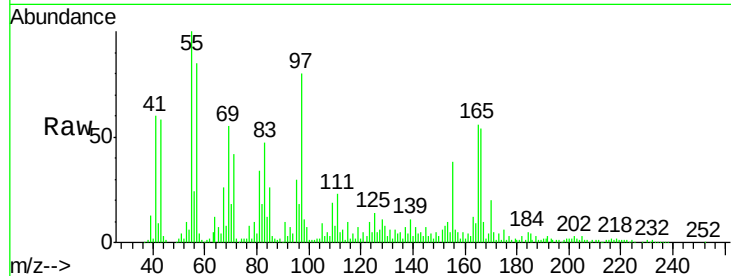
Tot Ion:166 Resp: 99037

Ion Ratio Lower Upper

166 100

165 103.5 79.8 119.8

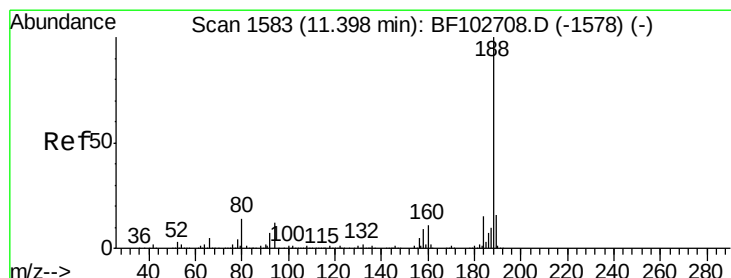
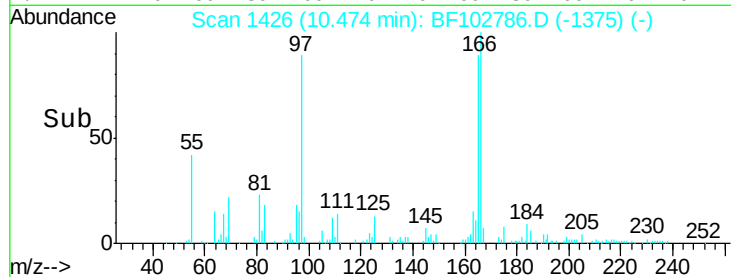
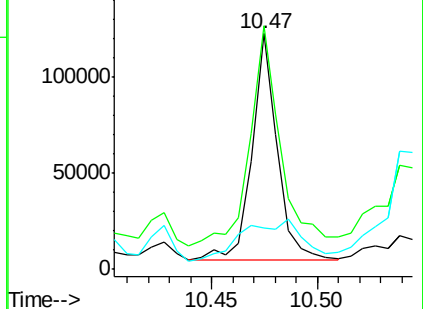
167 17.7 10.6 16.0#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

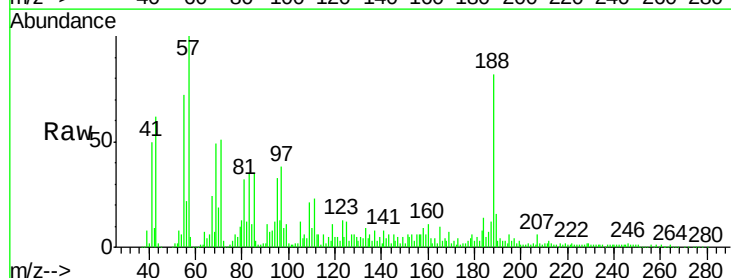
Tgt Ion:188 Resp: 275444

Ion Ratio Lower Upper

188 100

94 14.4 8.5 12.7#

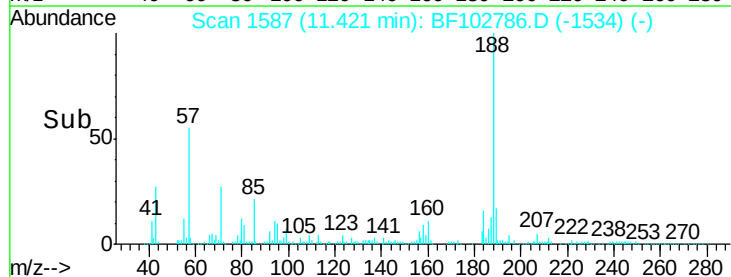
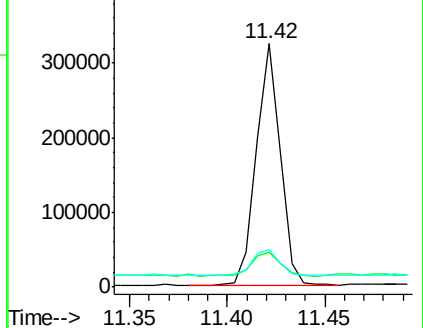
80 15.5 9.2 13.8#

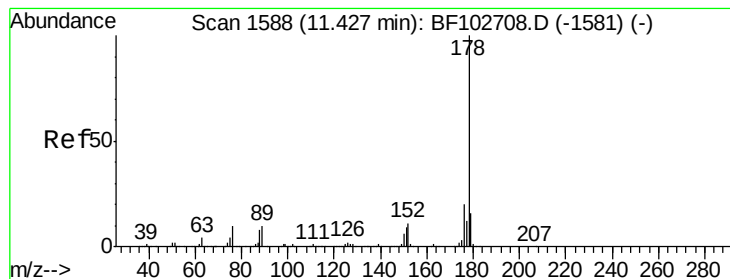


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 28.024 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

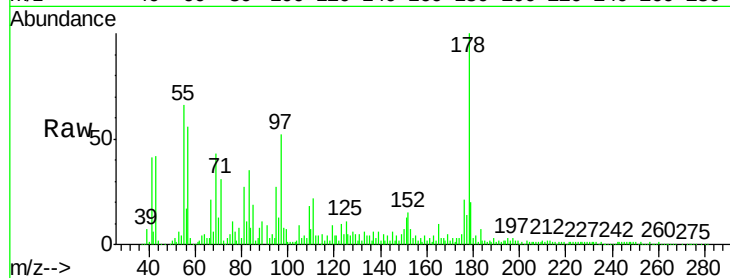
Tot Ion:178 Resp: 429901

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

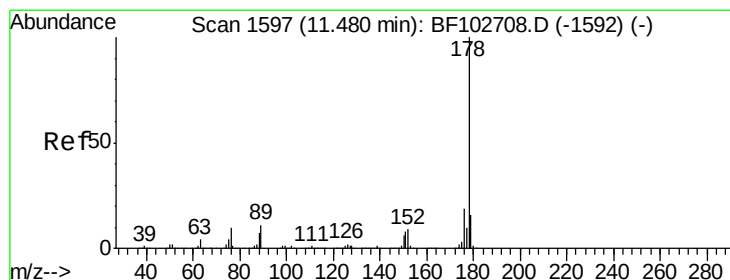
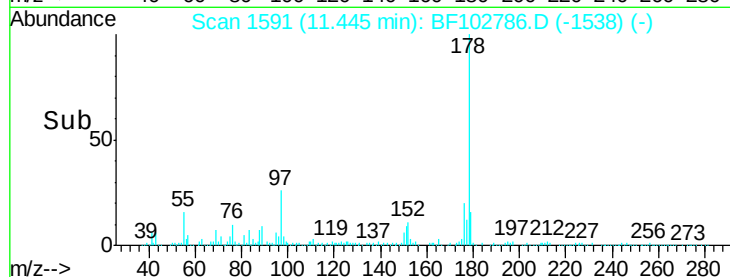
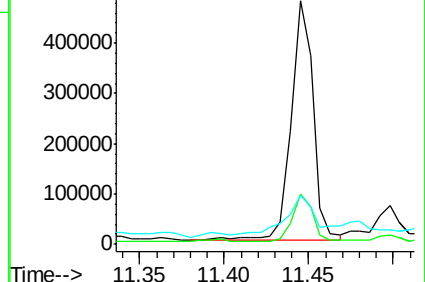
179 20.1 13.0 19.6#



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: 4.450 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

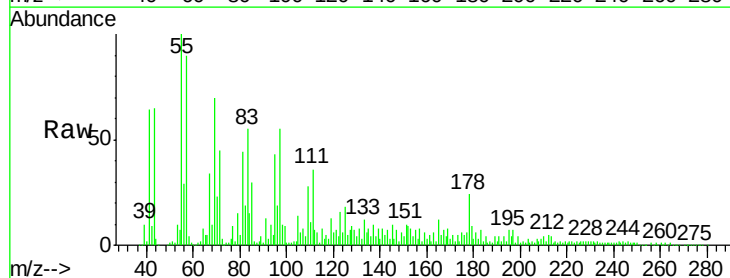
Tgt Ion:178 Resp: 69427

Ion Ratio Lower Upper

178 100

176 23.3 15.4 23.2#

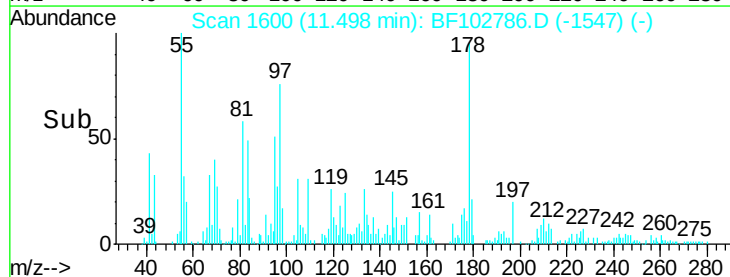
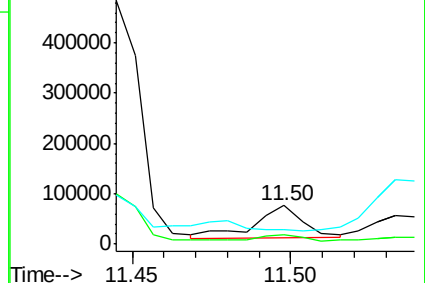
179 38.3 12.6 19.0#

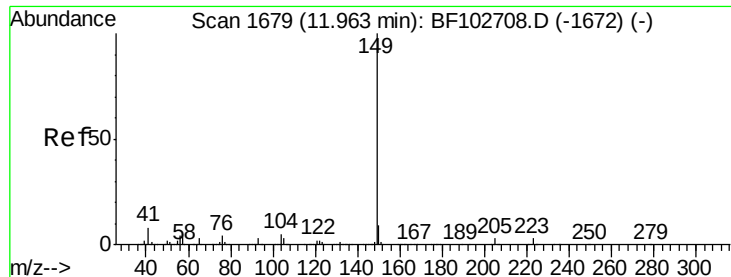


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 79.697 ng

RT: 11.99 min Scan# 1684

Delta R.T. 0.02 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

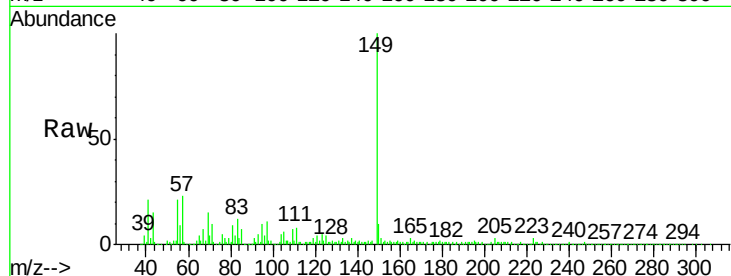
Tot Ion:149 Resp: 1479828

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

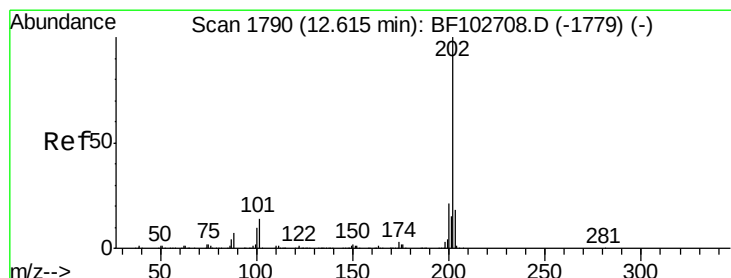
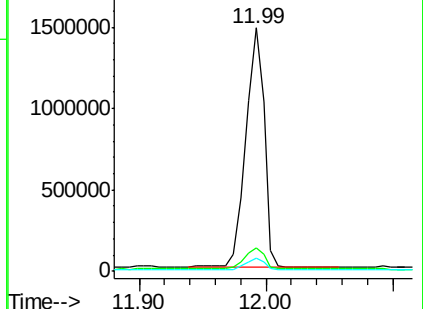
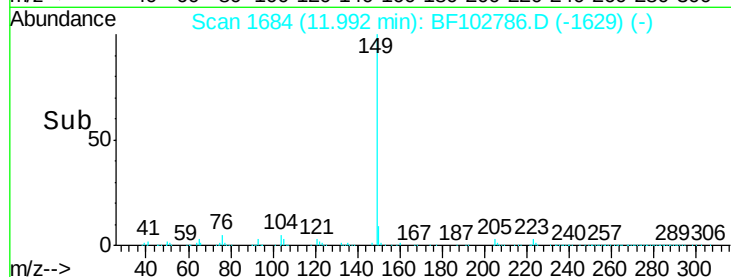
104 5.4 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 12.164 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.07 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

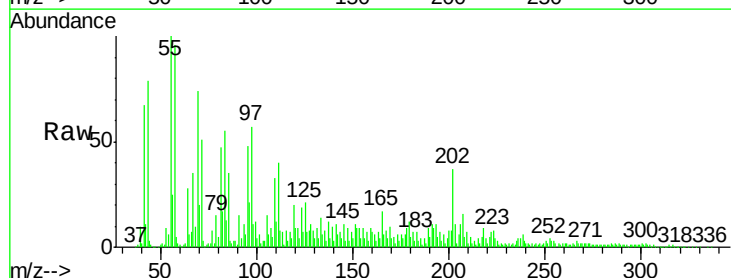
Tgt Ion:202 Resp: 187735

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.1

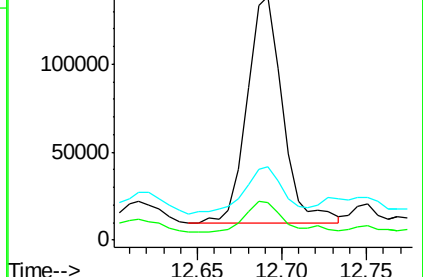
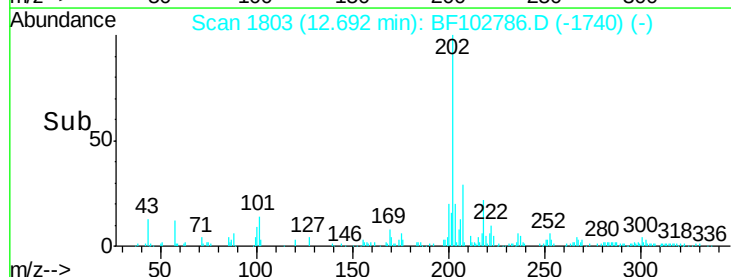
203 30.0 0.0 38.1

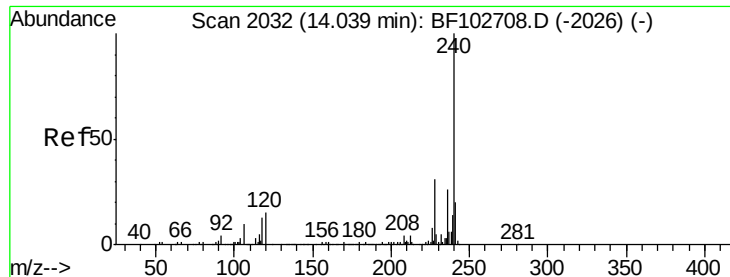


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.07 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

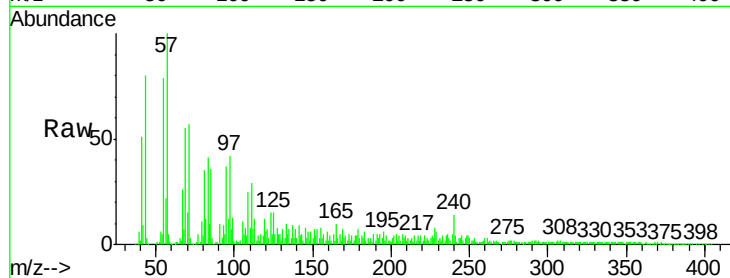
Tot Ion:240 Resp: 85090

Ion Ratio Lower Upper

240 100

120 46.9 9.5 14.3#

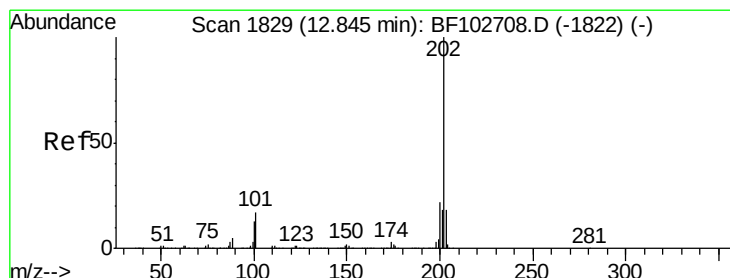
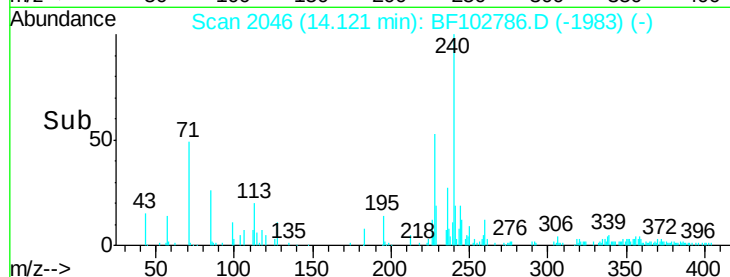
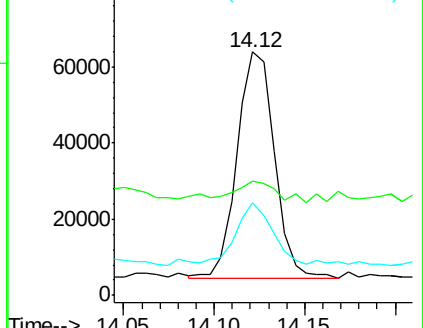
236 38.2 20.7 31.1#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 26.792 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.06 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

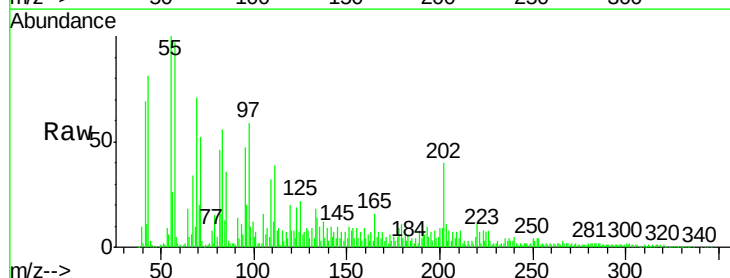
Tgt Ion:202 Resp: 178769

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

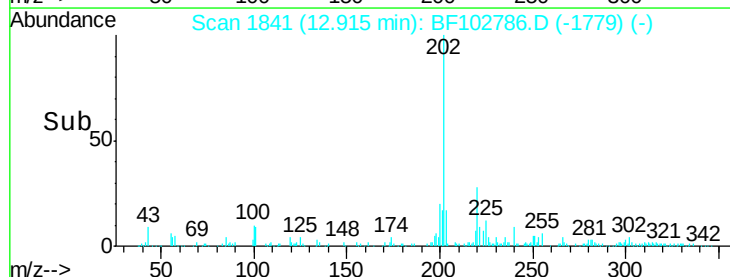
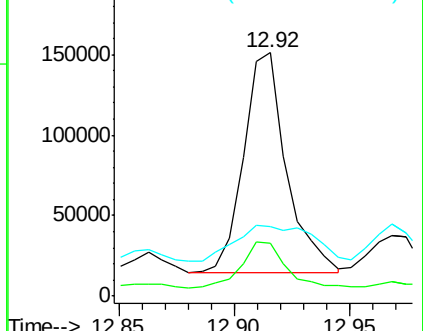
203 28.6 14.3 21.5#

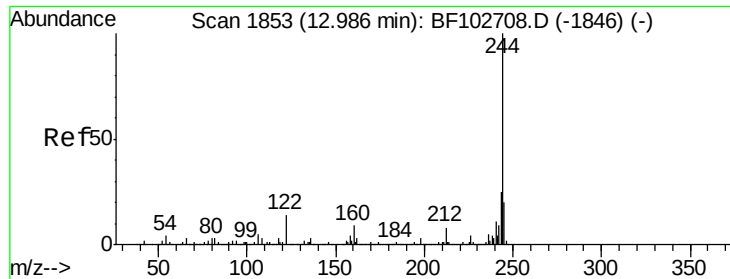


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.830 ng

RT: 13.04 min Scan# 1863

Delta R.T. 0.05 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

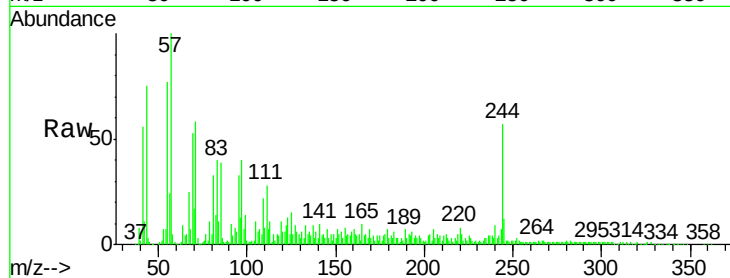
Tot Ion:244 Resp: 312039

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

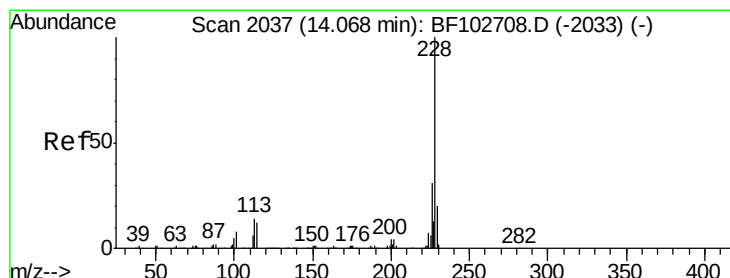
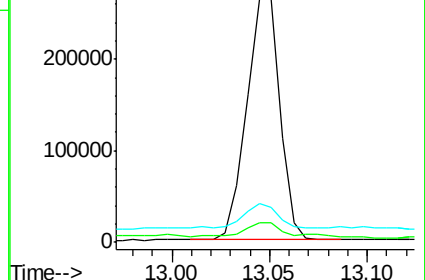
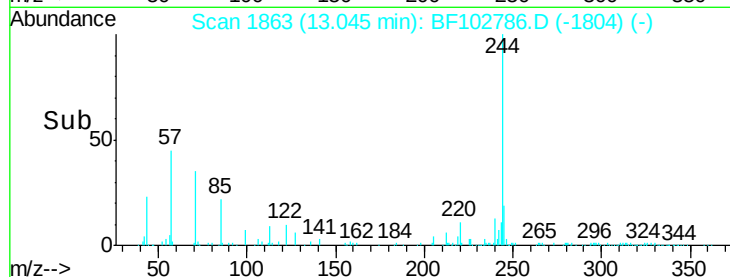
122 15.9 11.0 16.4



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



#82

Chrysene

Concen: 18.349 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.06 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

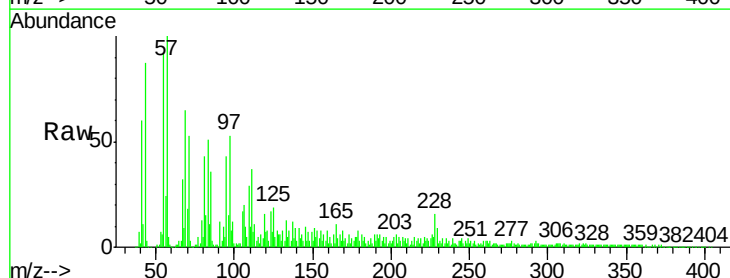
Tgt Ion:228 Resp: 98982

Ion Ratio Lower Upper

228 100

226 37.6 25.0 37.6

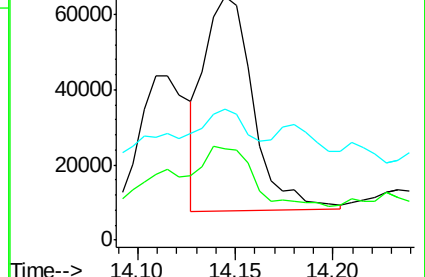
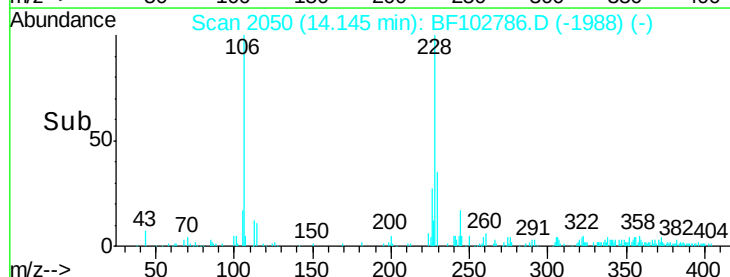
229 53.7 16.2 24.4#

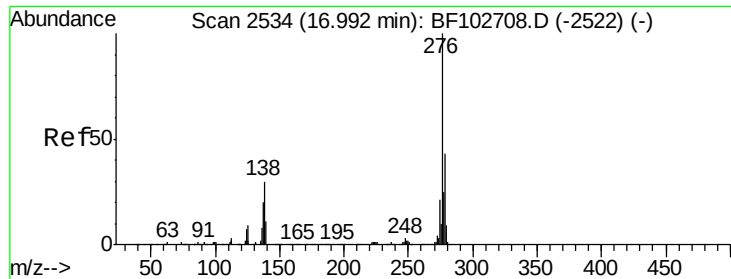


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.559 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.10 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

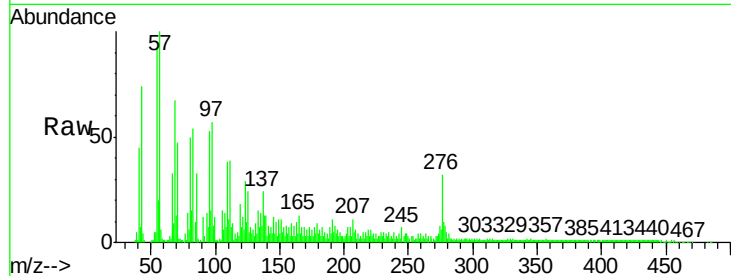
Tot Ion:276 Resp: 69612

Ion Ratio Lower Upper

276 100

138 29.6 25.0 37.6

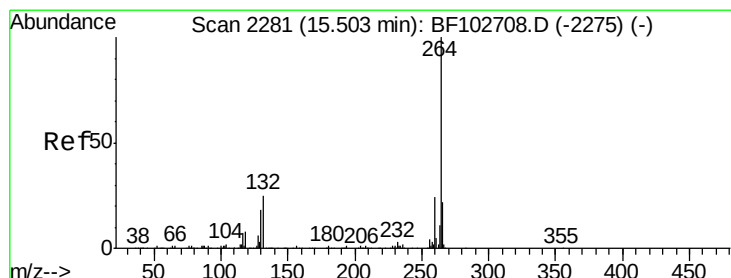
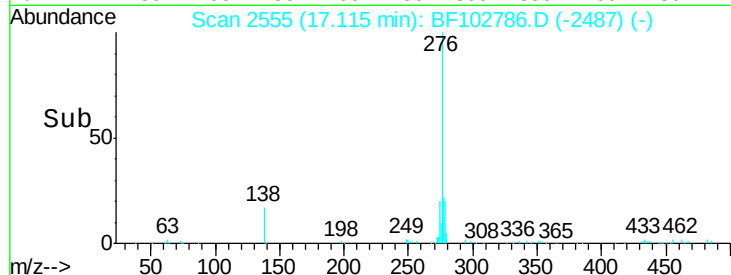
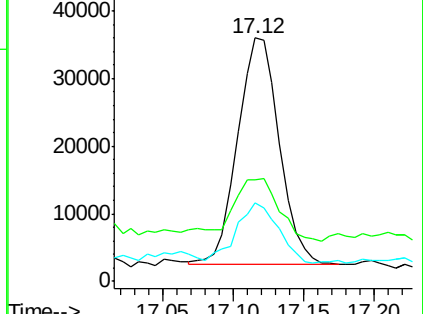
277 26.0 20.1 30.1



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: 20.000 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.11 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

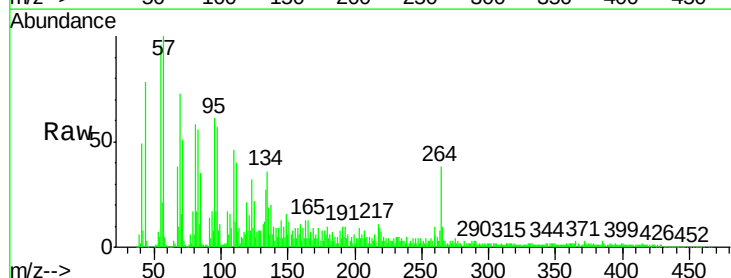
Tgt Ion:264 Resp: 140720

Ion Ratio Lower Upper

264 100

260 25.8 19.2 28.8

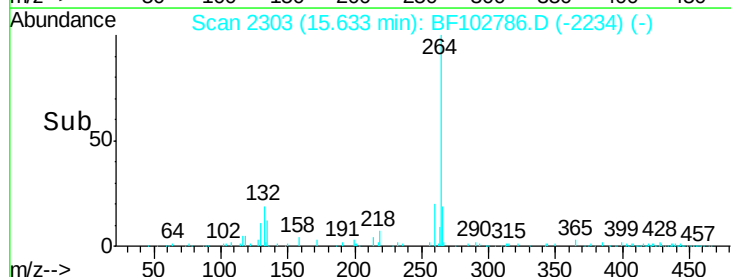
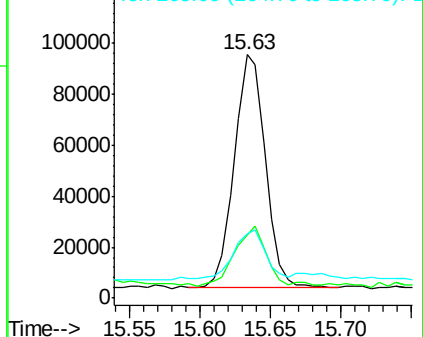
265 26.5 17.5 26.3#

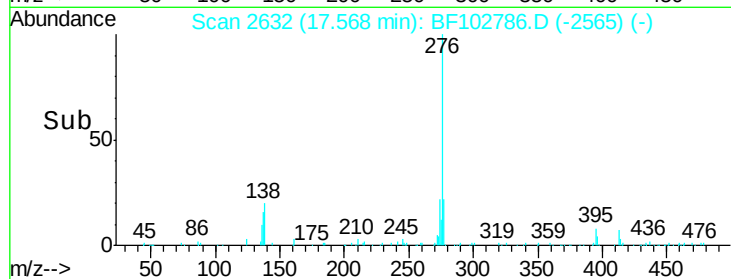
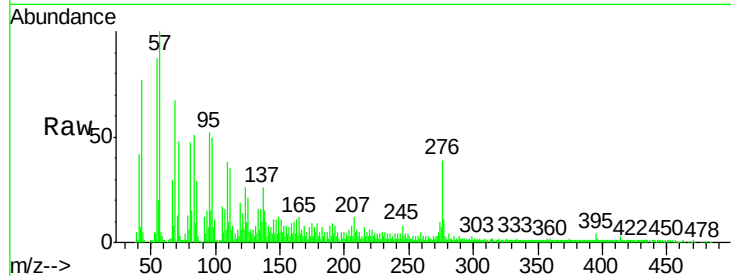
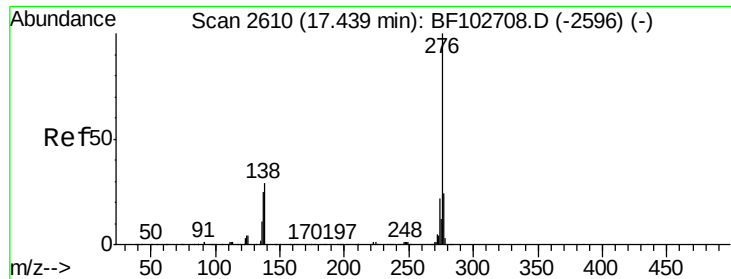


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#91

Benzo(a,h,i)perylene

Concen: 11.405 ng

RT: 17.57 min Scan# 2632

Delta R.T. 0.09 min

Lab File: BF102786.D

Acq: 6 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(4-8)

Tot Ion:276 Resp: 74406

Ion Ratio Lower Upper

276 100

277 29.3 17.9 26.9#

138 38.4 21.8 32.8#

