

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
 Data File : BF085888.D
 Acq On : 30 Mar 2016 16:07
 Operator : UM/SJ
 Sample : H1834-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 01:51:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

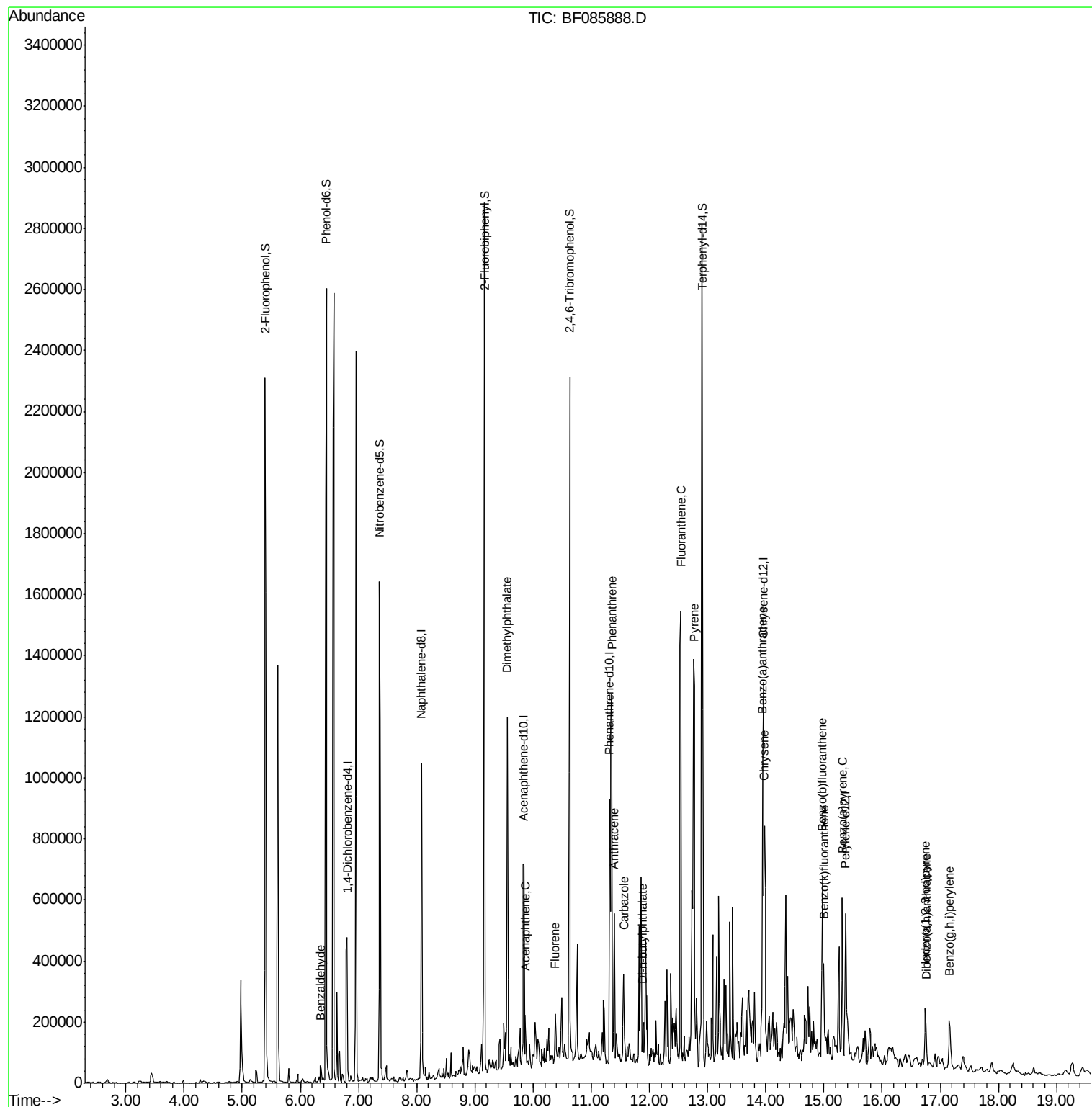
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	107270	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	442035	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	192679	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	367473	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	247229	20.00	ng	-0.01
86) Perylene-d12	15.37	264	211155	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	973171	151.09	ng	0.00
7) Phenol-d6	6.45	99	1318249	160.97	ng	0.00
23) Nitrobenzene-d5	7.36	82	785129	100.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	305916	167.11	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1311312	113.71	ng	0.00
78) Terphenyl-d14	12.90	244	1004810	83.59	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.34	77	20025	4.06	ng	85
49) Dimethylphthalate	9.56	163	408126	27.92	ng	100
51) Acenaphthene	9.86	154	36876	3.10	ng	96
57) Fluorene	10.38	166	46410	3.63	ng	# 99
70) Phenanthrene	11.35	178	687081	36.41	ng	99
71) Anthracene	11.40	178	188748	9.53	ng	98
72) Carbazole	11.56	167	112604	6.77	ng	99
73) Di-n-butylphthalate	11.89	149	53627	2.35	ng	100
74) Fluoranthene	12.54	202	872314	43.49	ng	89
77) Pyrene	12.77	202	807997	39.76	ng	99
80) Benzo(a)anthracene	13.95	228	448254	31.80	ng	96
82) Chrysene	13.98	228	346423m	24.40	ng	
85) Indeno(1,2,3-cd)pyrene	16.75	276	119522	10.90	ng	92
87) Benzo(b)fluoranthene	14.97	252	307025m	23.08	ng	
88) Benzo(k)fluoranthene	15.00	252	116634m	9.73	ng	
89) Benzo(a)pyrene	15.32	252	240606	20.37	ng	96
90) Dibenzo(a,h)anthracene	16.76	278	34256	3.12	ng	# 82
91) Benzo(g,h,i)perylene	17.16	276	134229	12.08	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

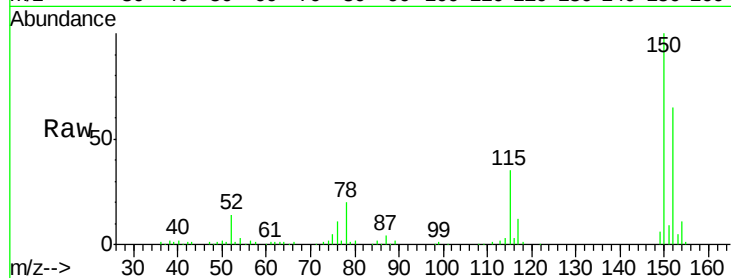
Tgt Ion:152 Resp: 107270

Ion Ratio Lower Upper

152 100

150 154.4 124.2 186.2

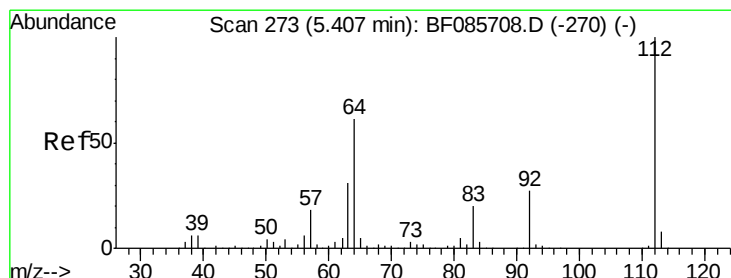
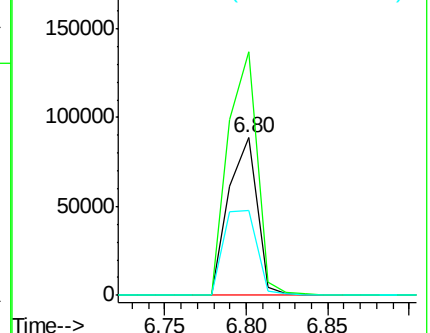
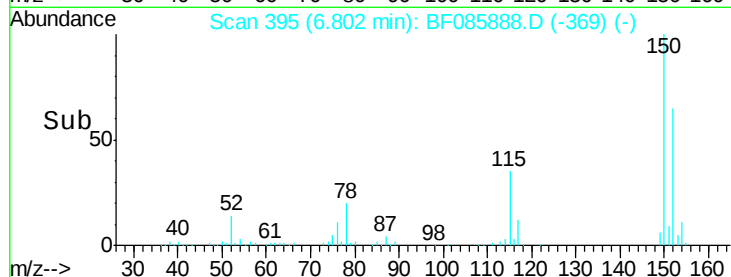
115 54.2 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 151.09 ng

RT: 5.40 min Scan# 272

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

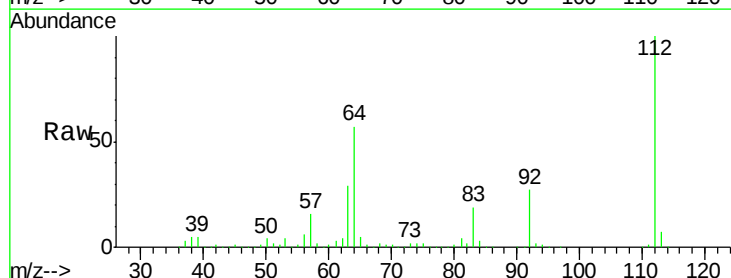
Tgt Ion:112 Resp: 973171

Ion Ratio Lower Upper

112 100

64 56.6 39.9 59.9

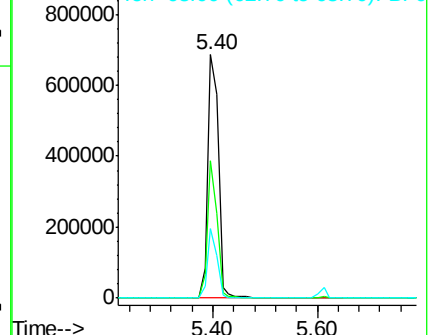
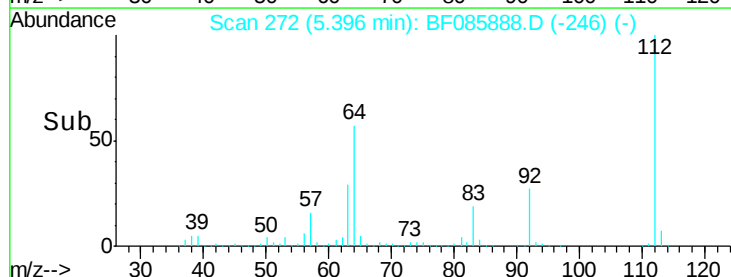
63 28.7 20.2 30.2



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: 160.97 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampled :

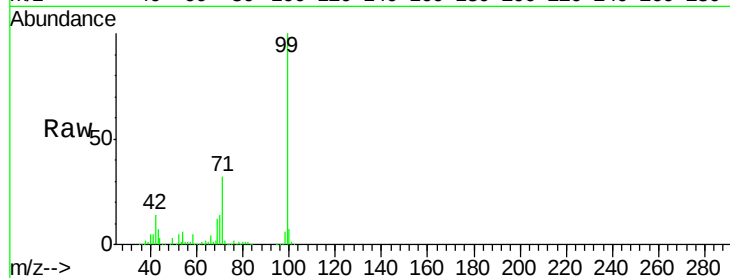
Tgt Ion: 99 Resp: 1318249

Ion Ratio Lower Upper

99 100

42 13.8 11.1 16.7

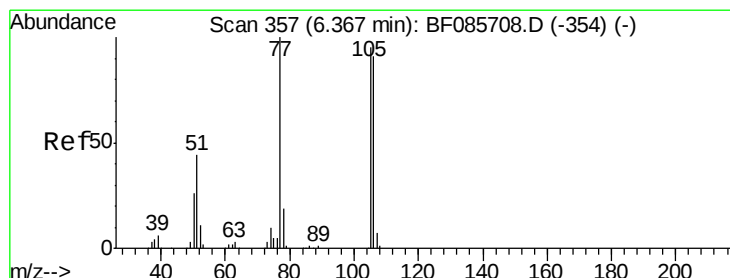
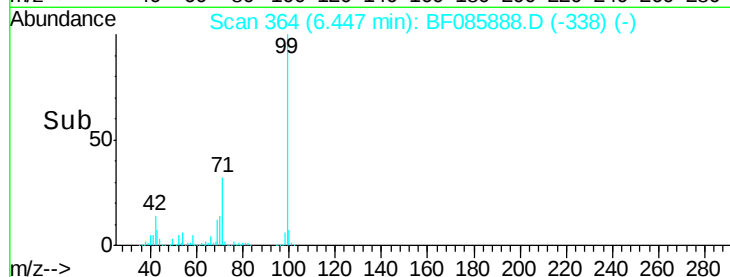
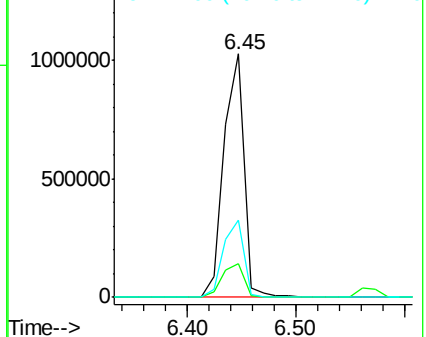
71 31.9 24.9 37.3



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



#9

Benzaldehyde

Concen: 4.06 ng

RT: 6.34 min Scan# 355

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

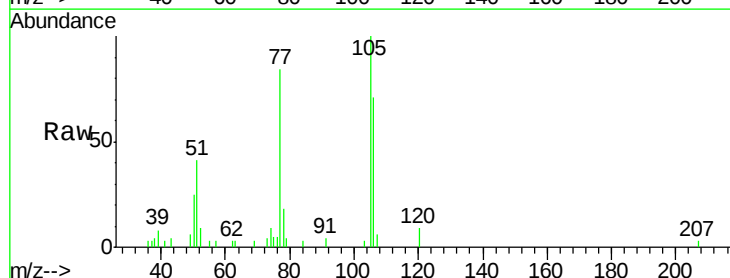
Tgt Ion: 77 Resp: 20025

Ion Ratio Lower Upper

77 100

105 119.6 80.1 120.1

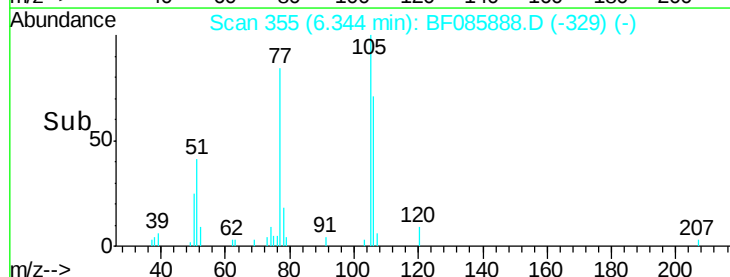
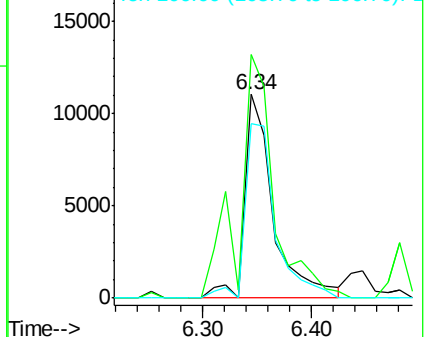
106 85.5 75.0 115.0

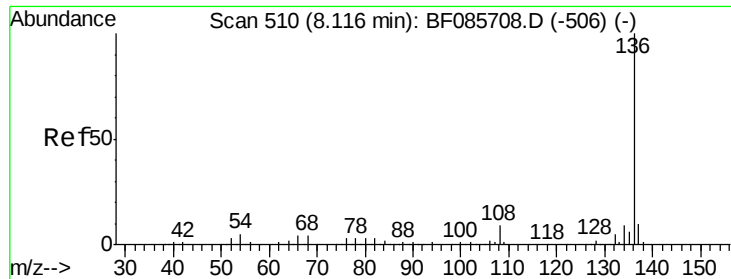


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

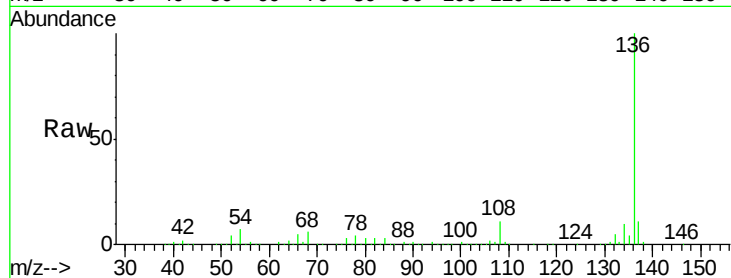




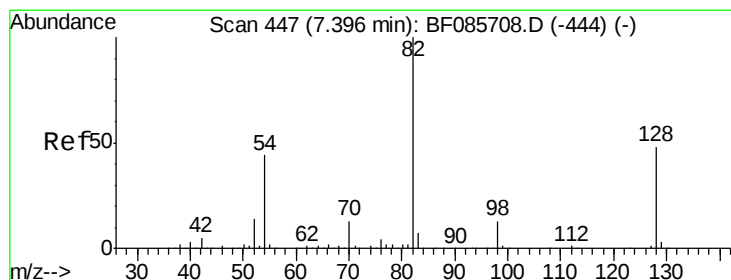
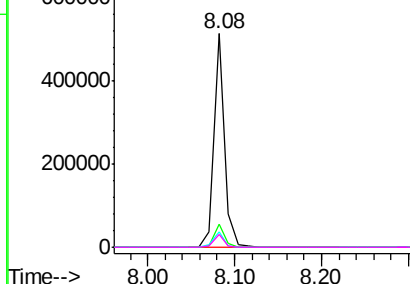
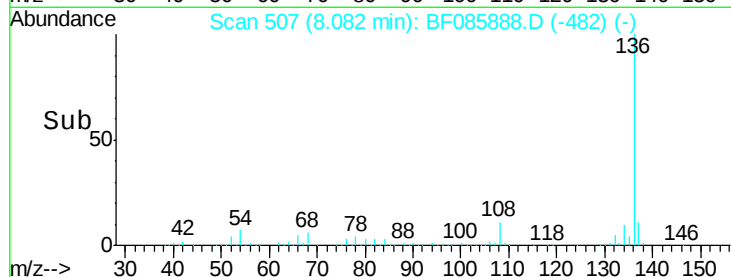
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF085888.D
Acq: 30 Mar 2016 16:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	136	Resp:	442035
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.3	7.4	11.0#
68	6.2	5.8	8.8

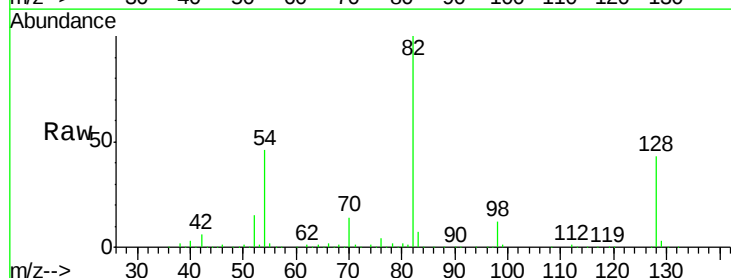


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

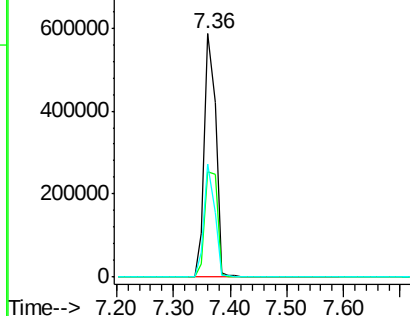
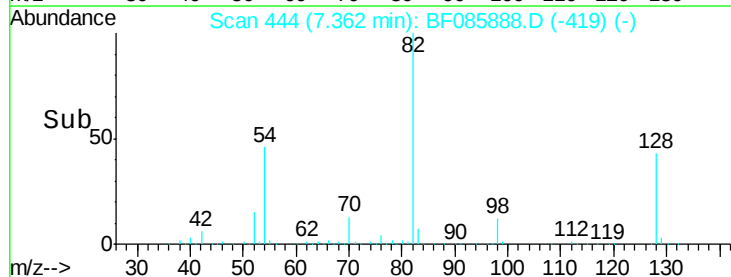


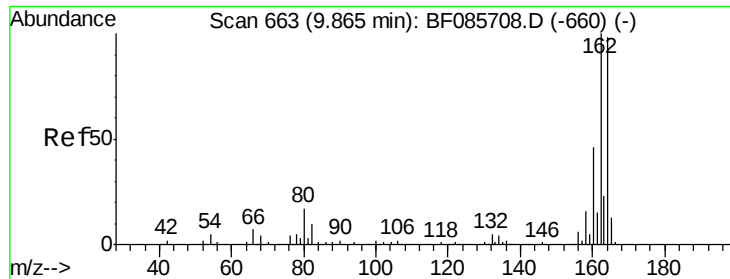
#23
Nitrobenzene-d5
Concen: 100.02 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085888.D
Acq: 30 Mar 2016 16:07

Tgt Ion:	82	Resp:	785129
Ion	Ratio	Lower	Upper
82	100		
128	43.3	41.8	62.8
54	46.3	33.4	50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
800000
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: 9.84 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

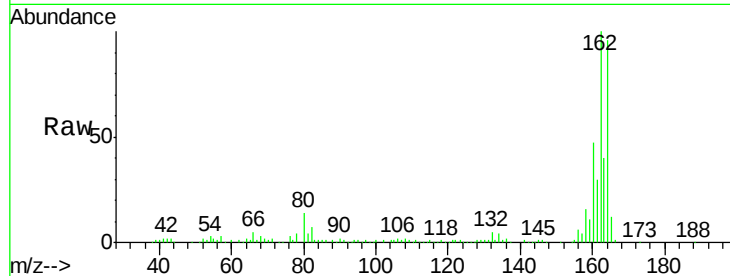
Tgt Ion:164 Resp: 192679

Ion Ratio Lower Upper

164 100

162 104.1 82.1 123.1

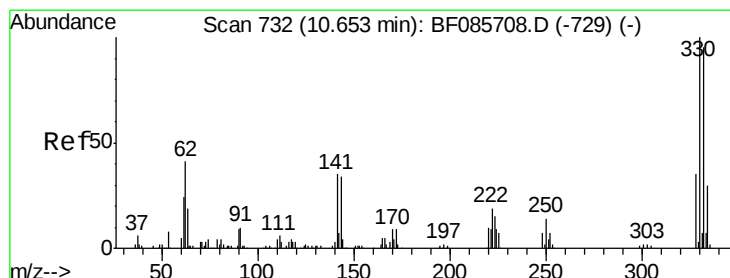
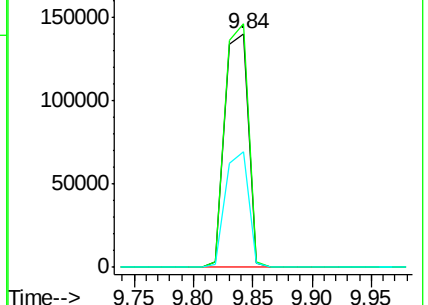
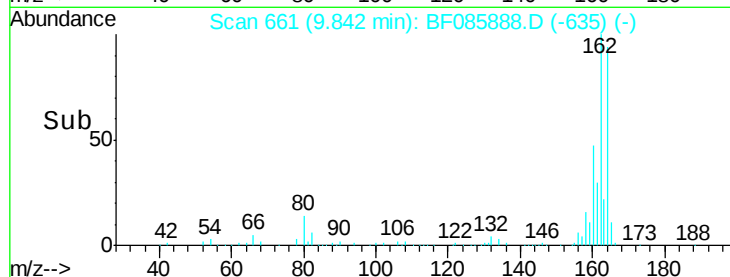
160 49.3 37.4 56.2



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: 167.11 ng

RT: 10.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

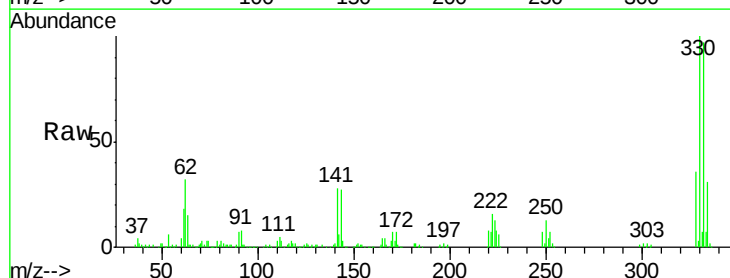
Tgt Ion:330 Resp: 305916

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.2

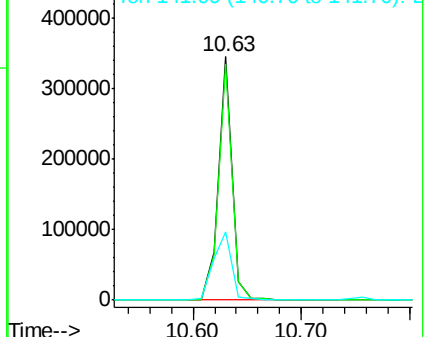
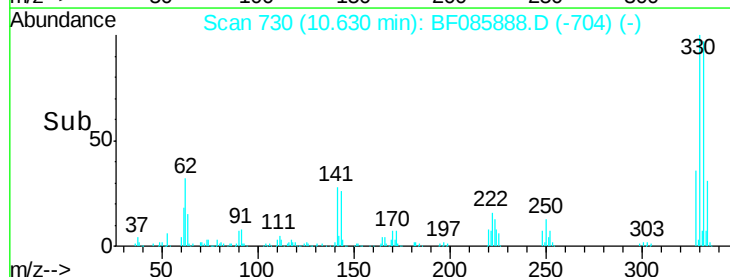
141 36.0 31.5 47.3

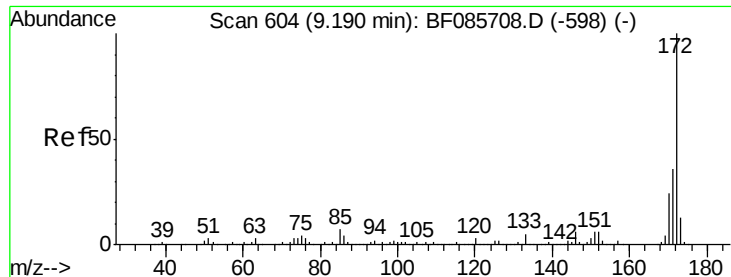


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

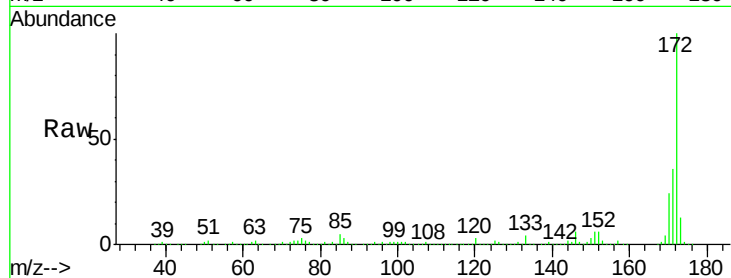




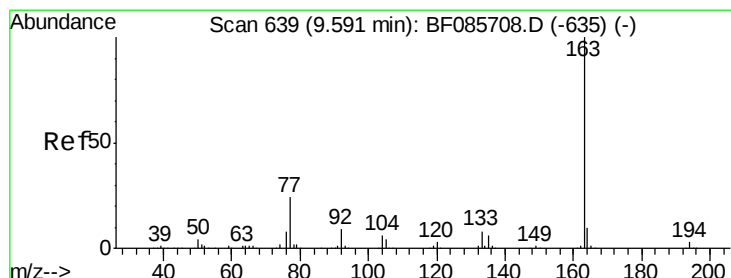
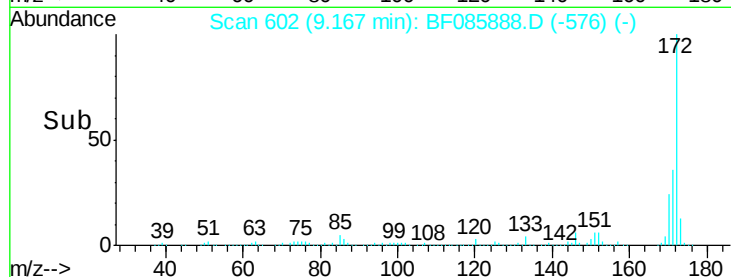
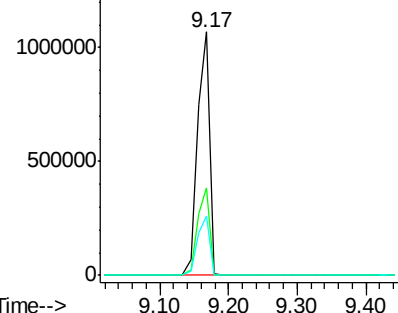
#44
 2-Fluorobiphenyl
 Concen: 113.71 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: BF085888.D
 Acq: 30 Mar 2016 16:07

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:172 Resp: 1311312
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.2
 170 24.5 19.8 29.6

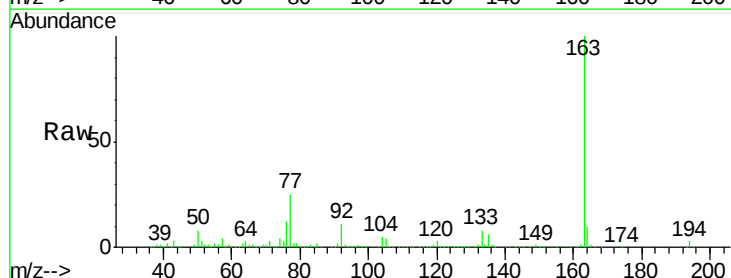


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

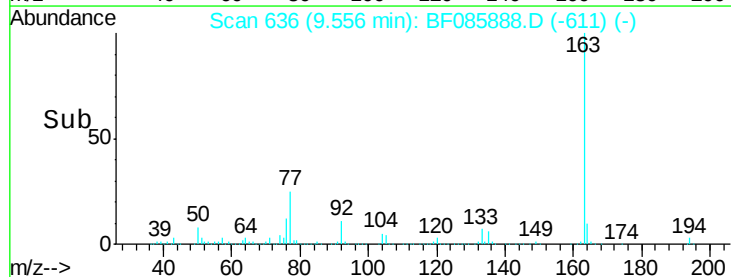
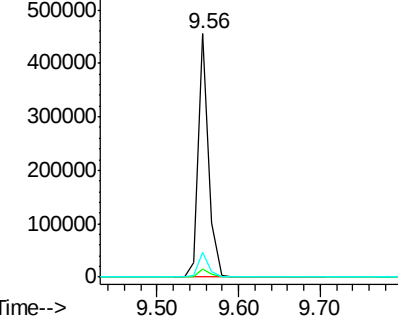


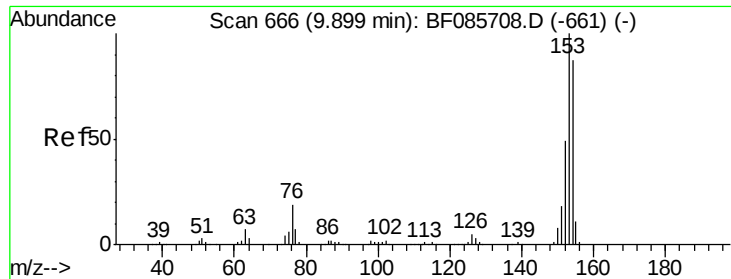
#49
 Dimethylphthalate
 Concen: 27.92 ng
 RT: 9.56 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BF085888.D
 Acq: 30 Mar 2016 16:07

Tgt Ion:163 Resp: 408126
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.9 4.3
 164 10.3 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





#51

Acenaphthene

Concen: 3.10 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

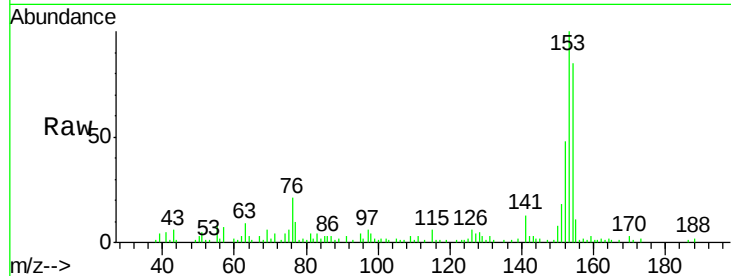
Tgt Ion:154 Resp: 36876

Ion Ratio Lower Upper

154 100

153 117.9 90.1 135.1

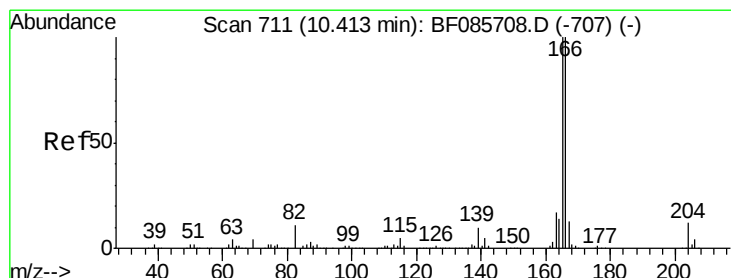
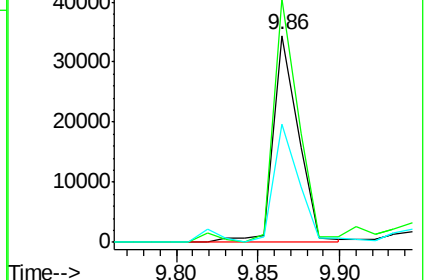
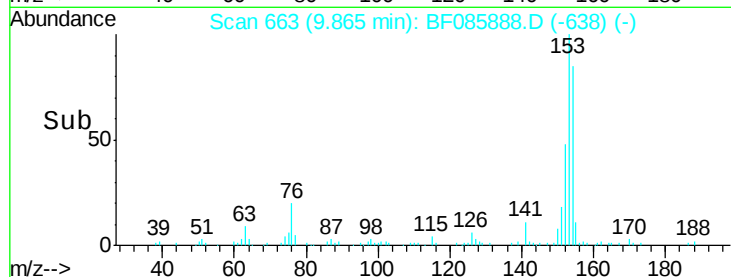
152 57.1 44.2 66.2



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



#57

Fluorene

Concen: 3.63 ng

RT: 10.38 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

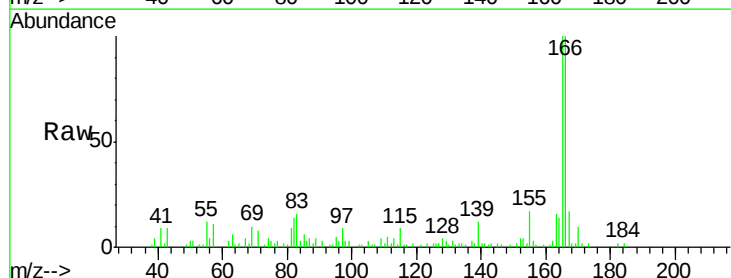
Tgt Ion:166 Resp: 46410

Ion Ratio Lower Upper

166 100

165 99.6 79.4 119.0

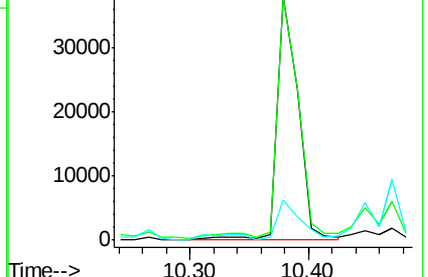
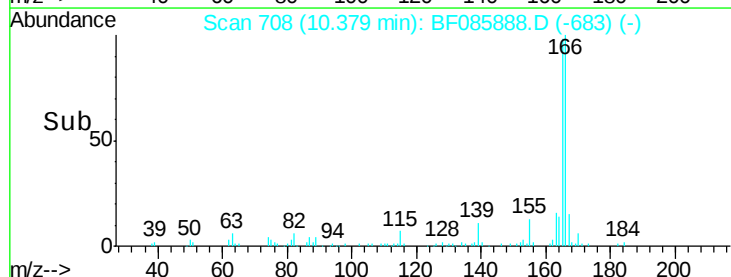
167 16.6 11.0 16.4#

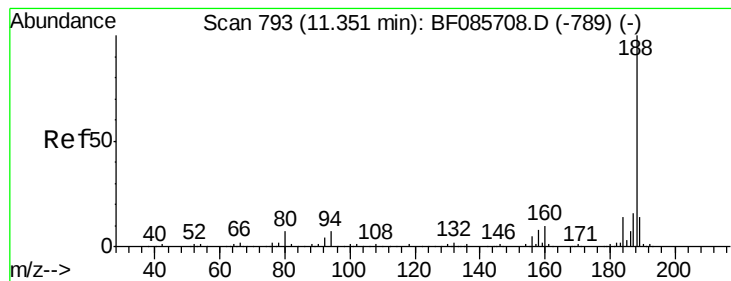


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

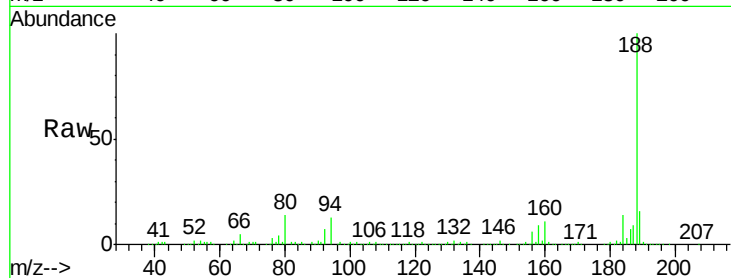
Tgt Ion:188 Resp: 367473

Ion Ratio Lower Upper

188 100

94 12.6 5.4 8.0#

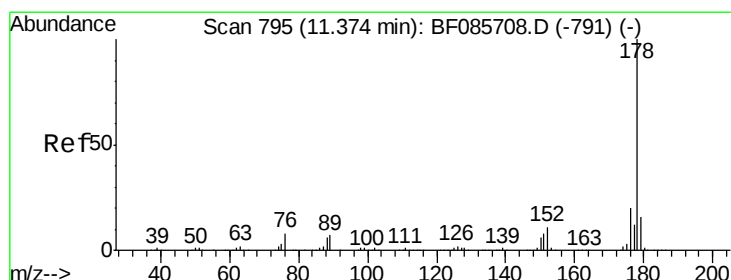
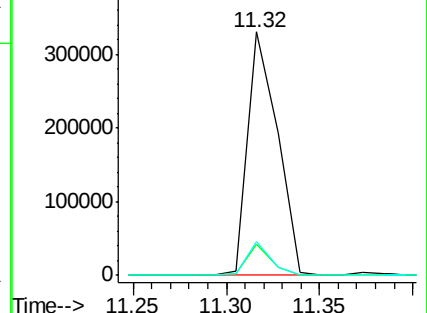
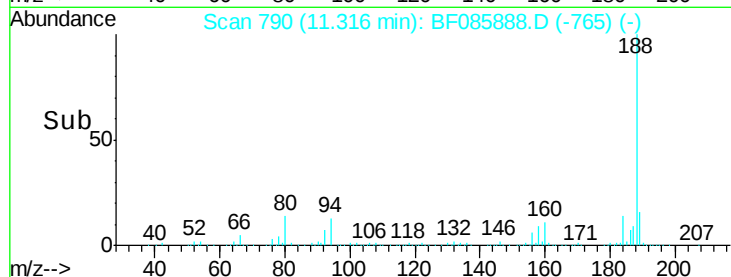
80 14.1 5.5 8.3#



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: 36.41 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

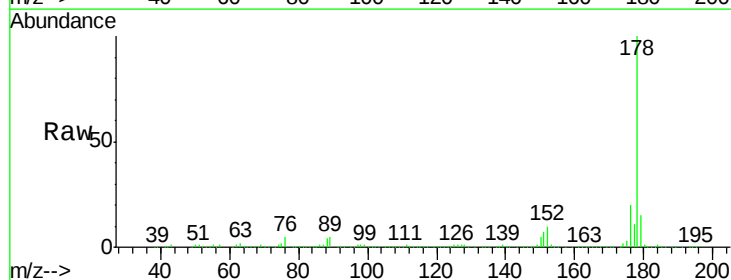
Tgt Ion:178 Resp: 687081

Ion Ratio Lower Upper

178 100

176 19.7 16.3 24.5

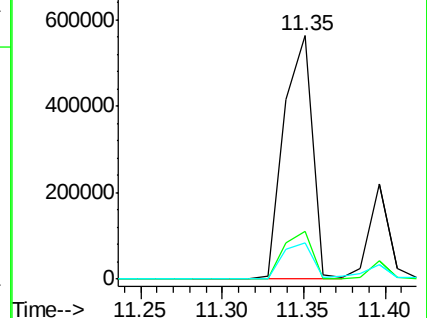
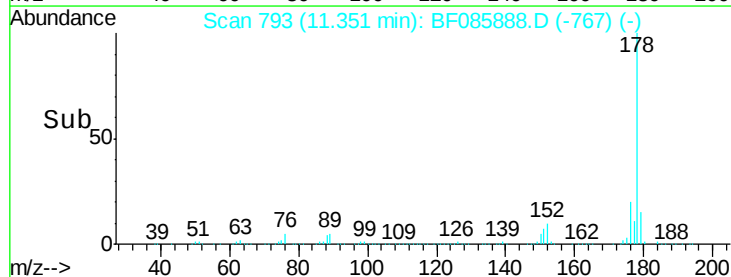
179 15.1 12.6 18.8

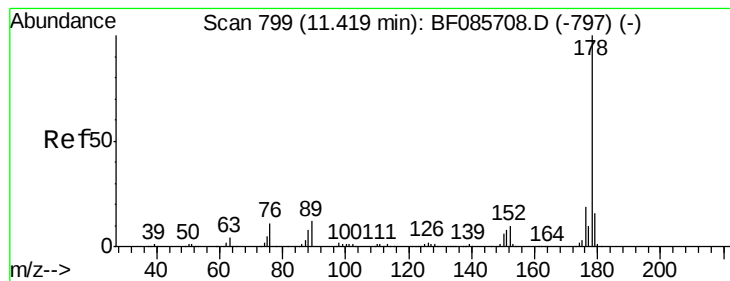


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 9.53 ng

RT: 11.40 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

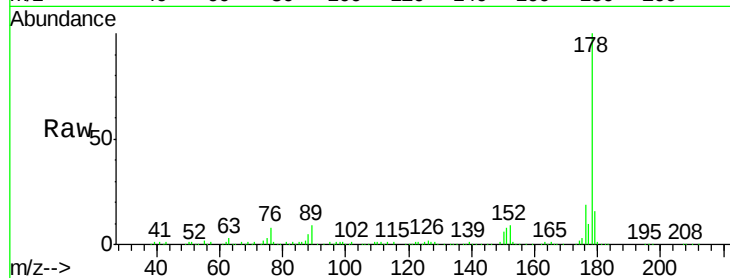
Tgt Ion:178 Resp: 188748

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

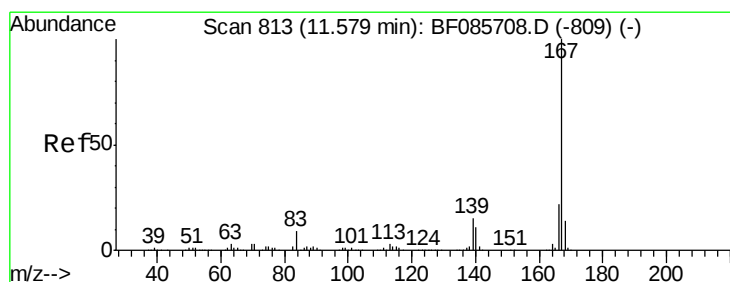
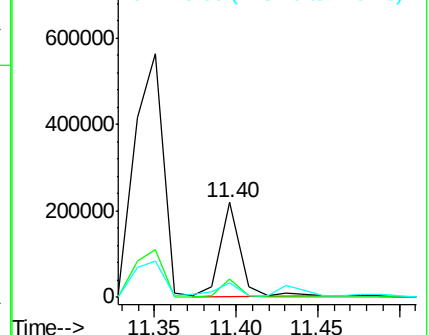
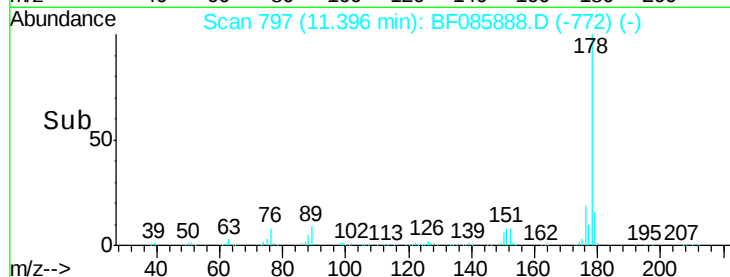
179 15.8 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 6.77 ng

RT: 11.56 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

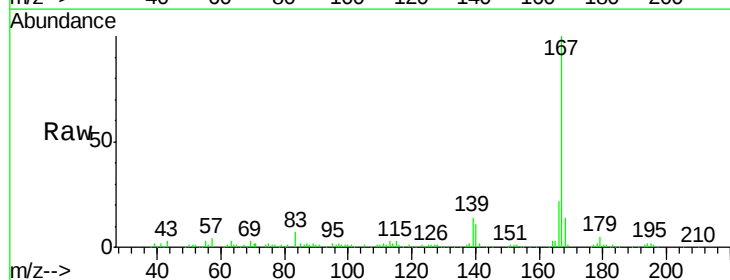
Tgt Ion:167 Resp: 112604

Ion Ratio Lower Upper

167 100

166 22.0 17.8 26.8

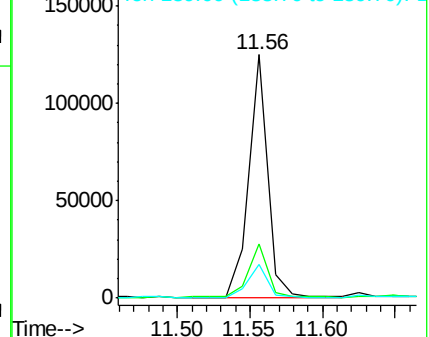
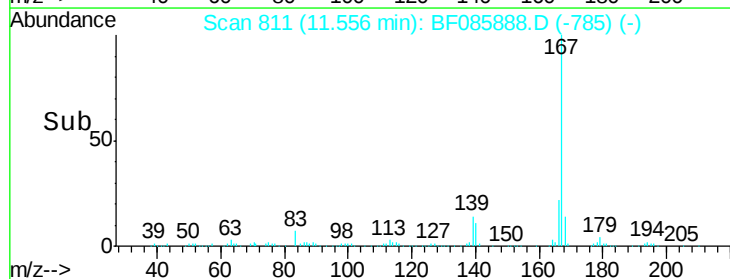
139 14.0 11.6 17.4

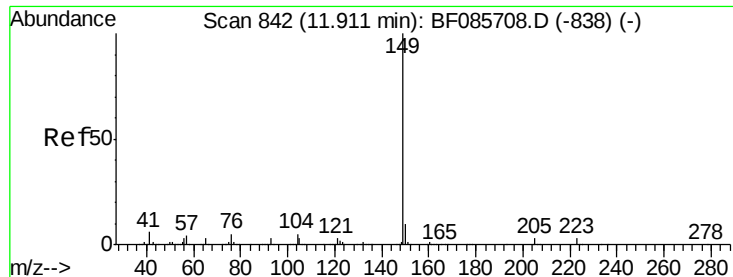


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.35 ng

RT: 11.89 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

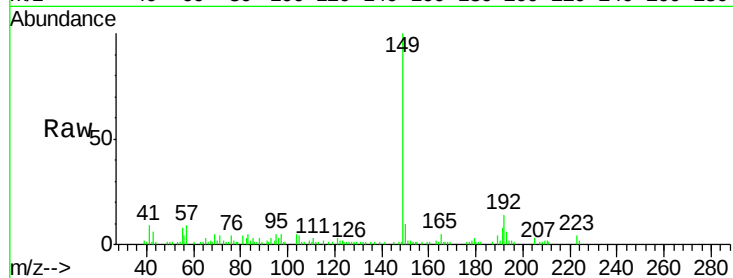
Tgt Ion:149 Resp: 53627

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

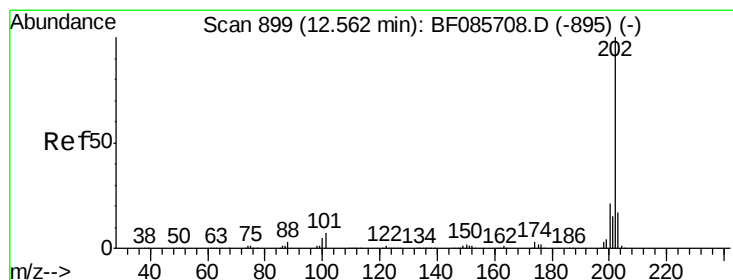
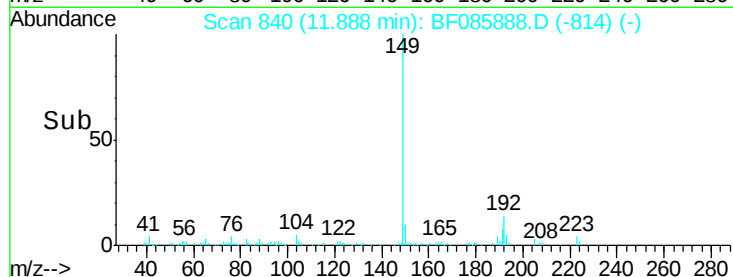
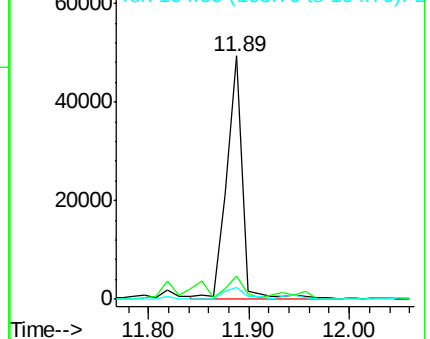
104 4.8 3.8 5.8



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: 43.49 ng

RT: 12.54 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

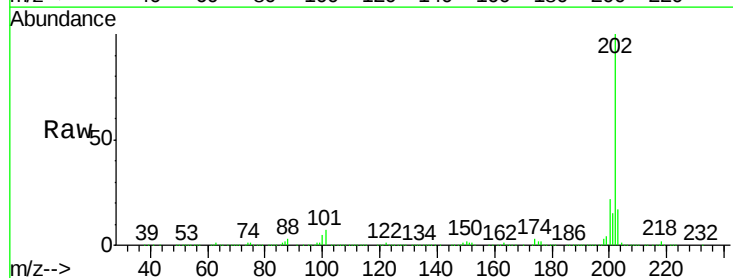
Tgt Ion:202 Resp: 872314

Ion Ratio Lower Upper

202 100

101 7.3 0.0 36.6

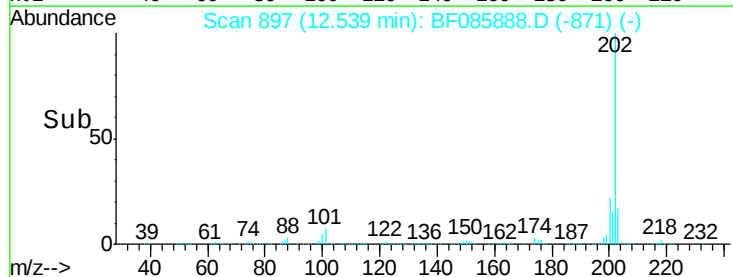
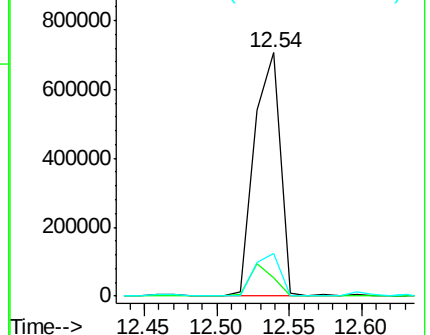
203 17.5 0.0 38.1

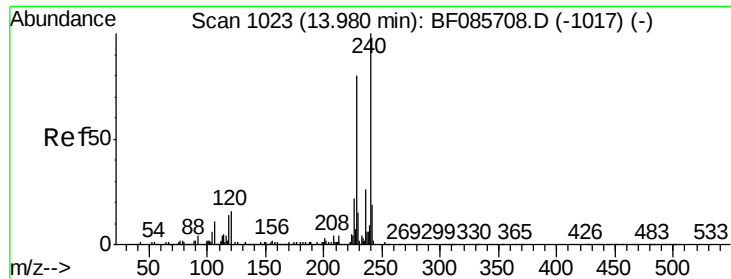


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

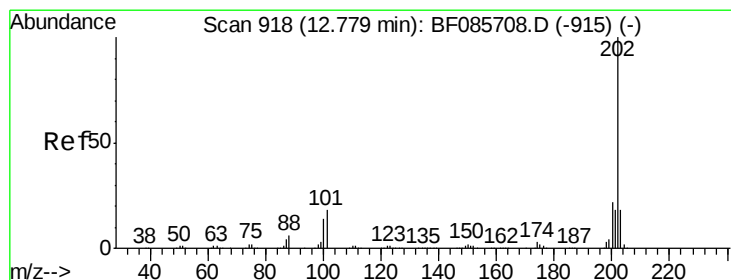
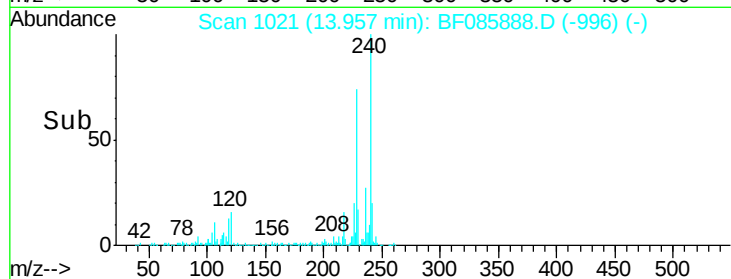
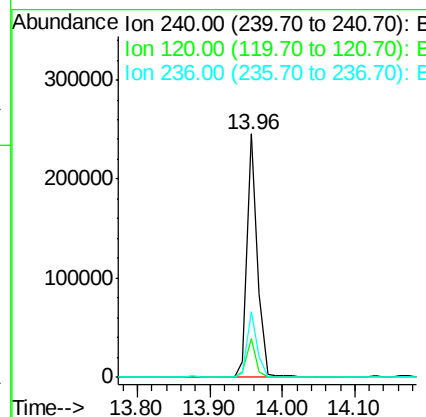
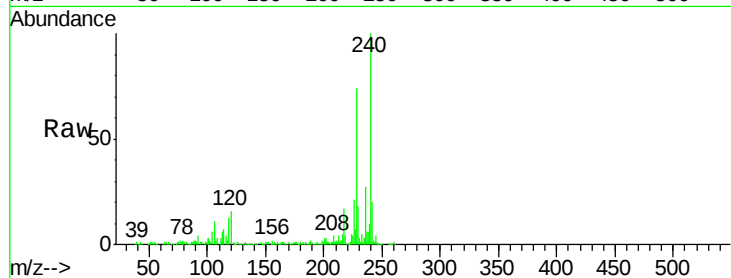




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF085888.D
 Acq: 30 Mar 2016 16:07

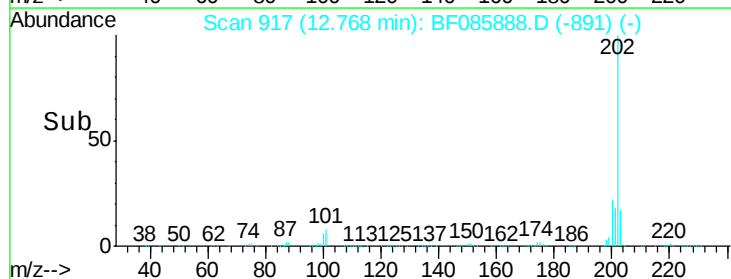
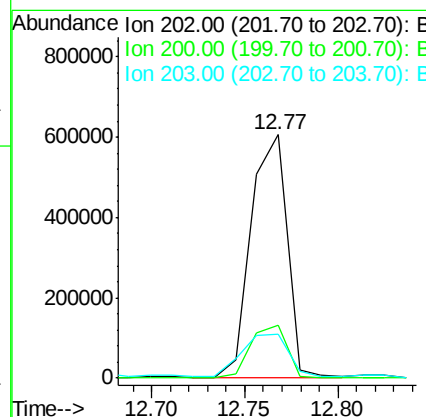
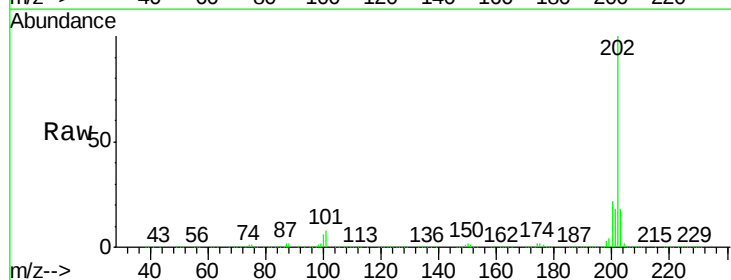
Instrument :
 BNA_F
 ClientSampleId :

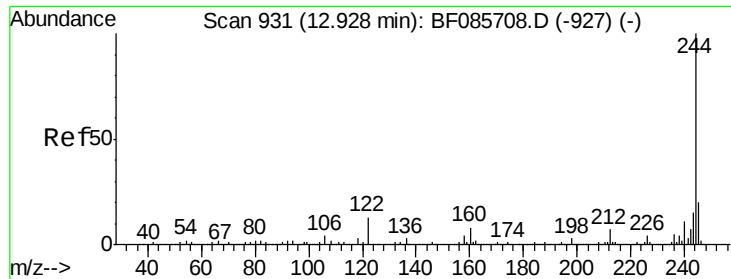
Tgt Ion:240 Resp: 247229
 Ion Ratio Lower Upper
 240 100
 120 15.9 13.8 20.8
 236 26.7 20.6 30.8



#77
 Pyrene
 Concen: 39.76 ng
 RT: 12.77 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: BF085888.D
 Acq: 30 Mar 2016 16:07

Tgt Ion:202 Resp: 807997
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.6 26.4
 203 17.8 14.0 21.0

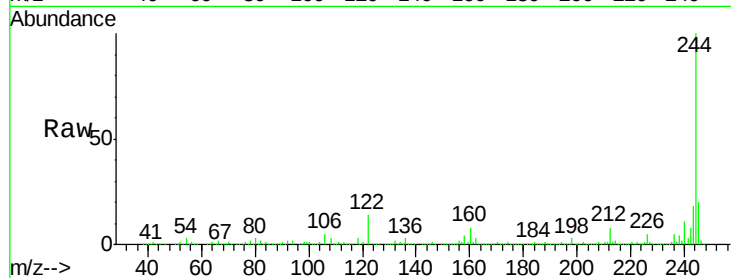




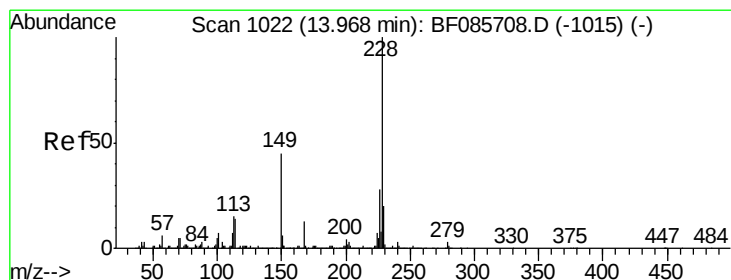
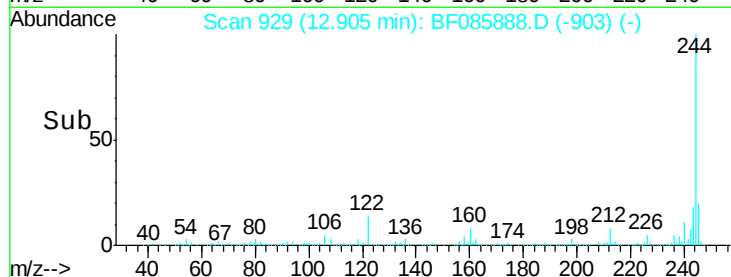
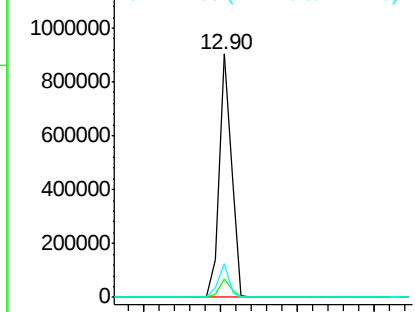
#78
 Terphenyl-d14
 Concen: 83.59 ng
 RT: 12.90 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: BF085888.D
 Acq: 30 Mar 2016 16:07

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:244 Resp: 1004810
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 13.6 10.2 15.4

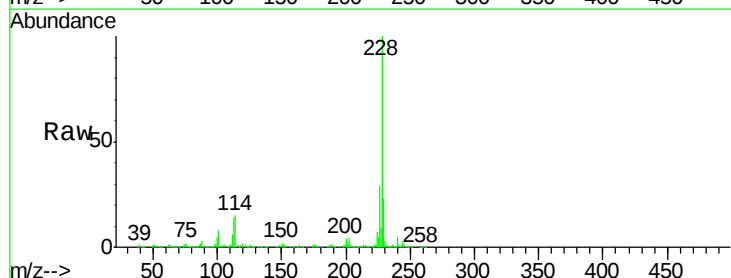


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

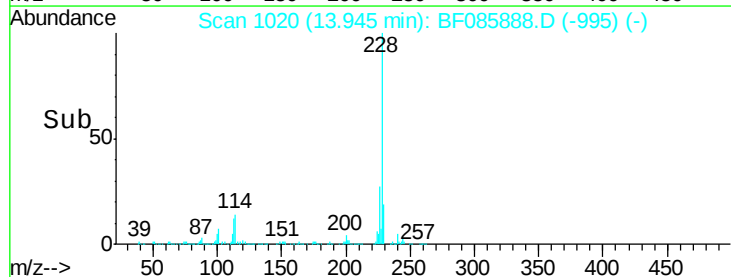
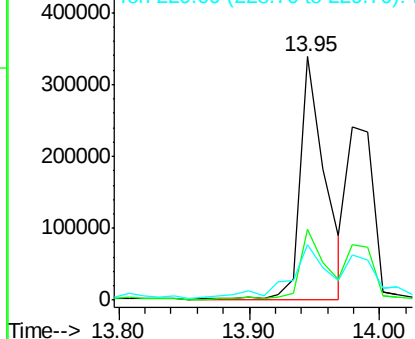


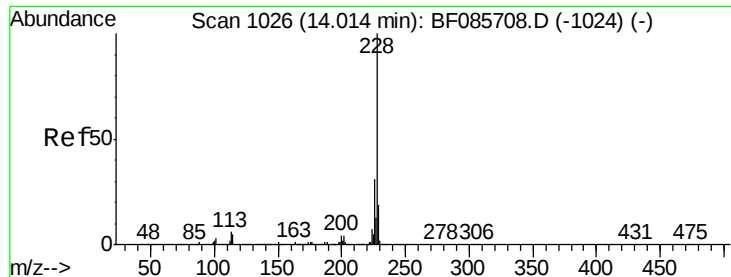
#80
 Benzo(a)anthracene
 Concen: 31.80 ng
 RT: 13.95 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF085888.D
 Acq: 30 Mar 2016 16:07

Tgt Ion:228 Resp: 448254
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.1 33.1
 229 22.9 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

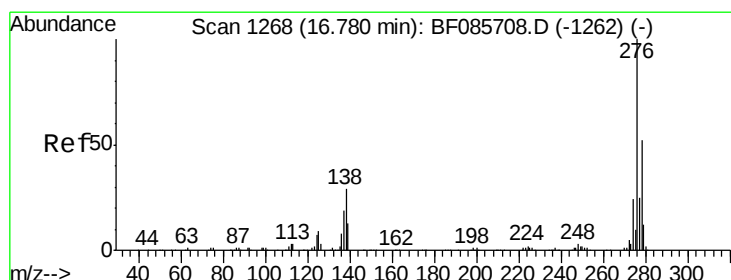
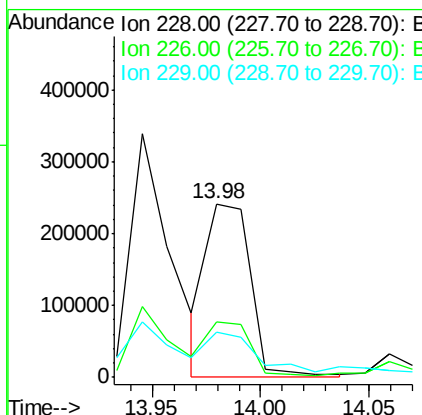
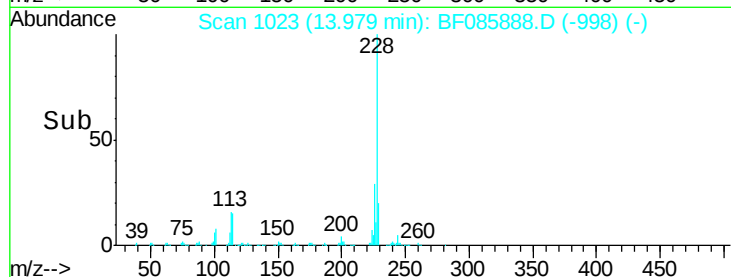
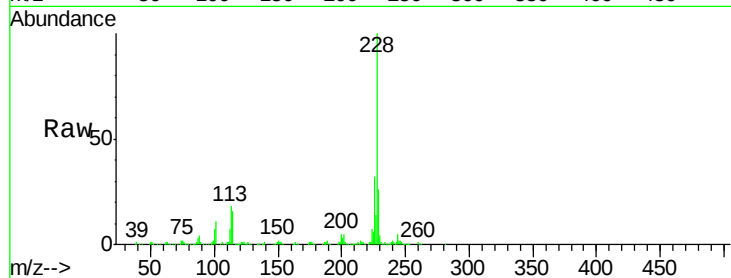




#82
Chrysene
Concen: 24.40 ng m
RT: 13.98 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF085888.D
Acq: 30 Mar 2016 16:07

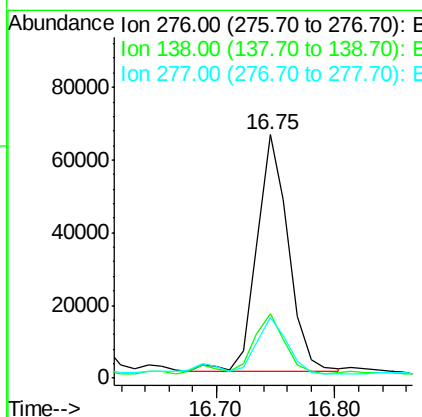
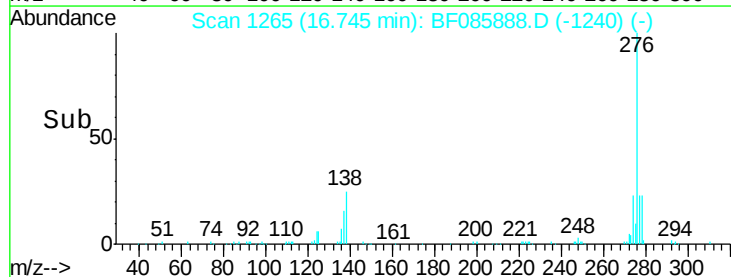
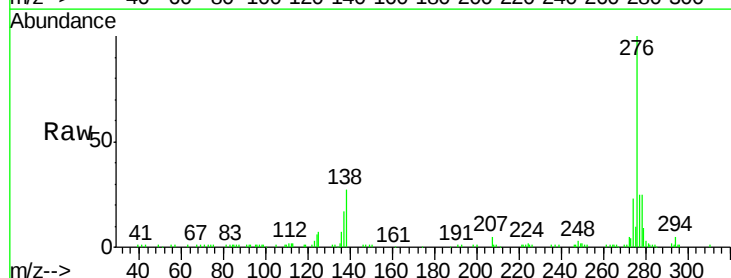
Instrument :
BNA_F
ClientSampleId :

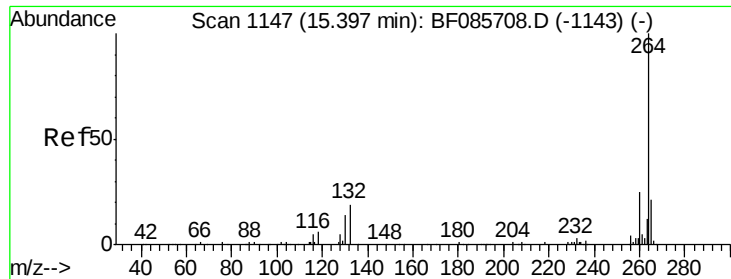
Tgt Ion:228 Resp: 346423
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 26.3 15.7 23.5#



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.90 ng
RT: 16.75 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF085888.D
Acq: 30 Mar 2016 16:07

Tgt Ion:276 Resp: 119522
Ion Ratio Lower Upper
276 100
138 24.3 24.2 36.4
277 23.3 20.0 30.0

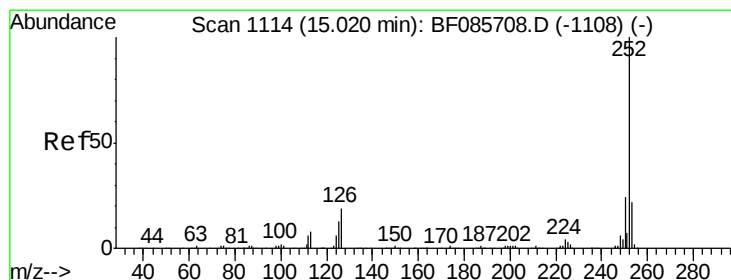
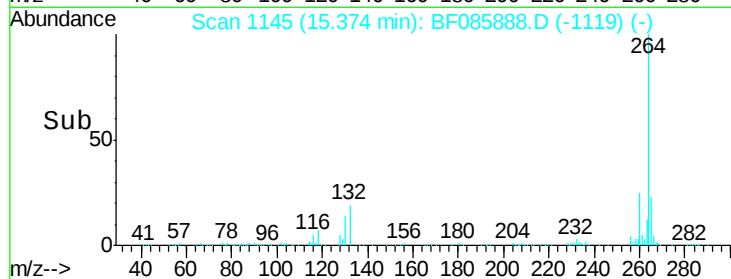
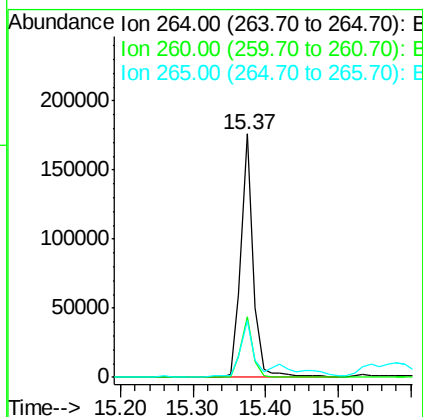
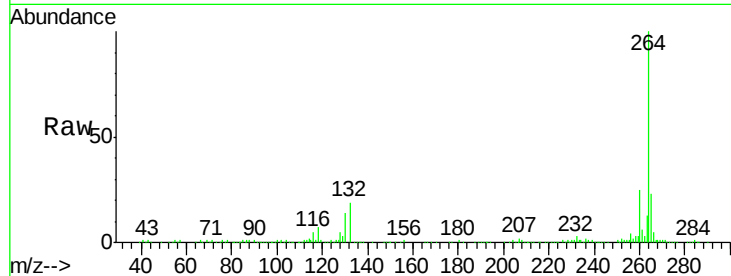




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF085888.D
Acq: 30 Mar 2016 16:07

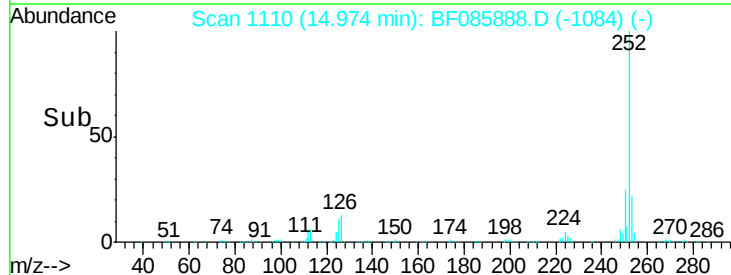
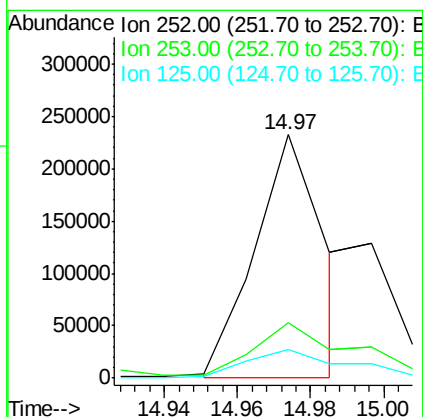
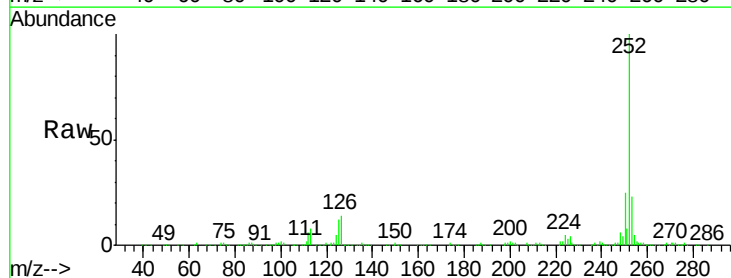
Instrument :
BNA_F
ClientSampleId :

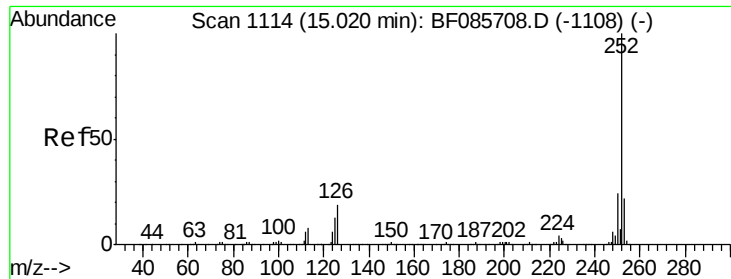
Tgt Ion: 264 Resp: 211155
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 23.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 23.08 ng m
RT: 14.97 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BF085888.D
Acq: 30 Mar 2016 16:07

Tgt Ion: 252 Resp: 307025
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 11.7 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 9.73 ng m

RT: 15.00 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

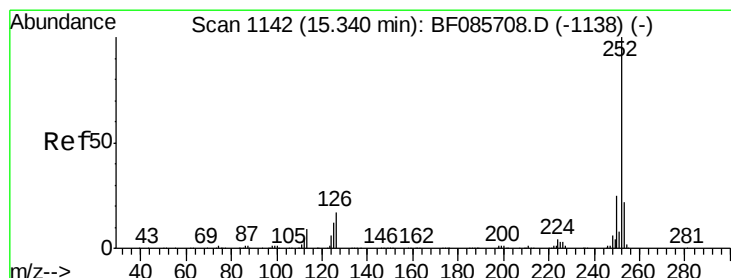
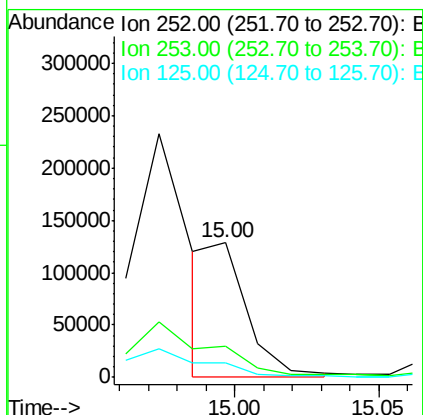
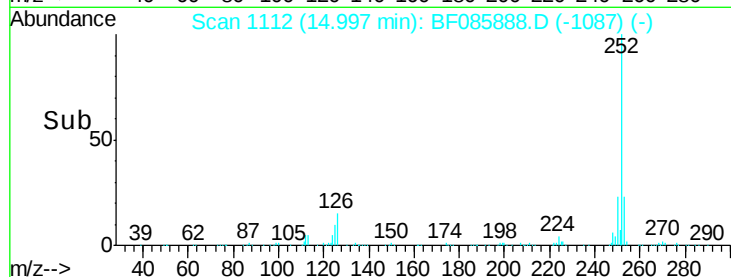
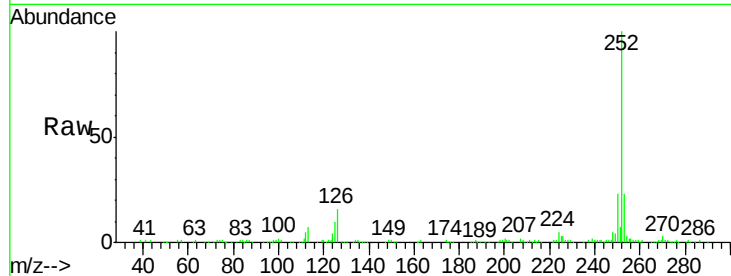
Tgt Ion:252 Resp: 116634

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.3 7.7 11.5



#89

Benzo(a)pyrene

Concen: 20.37 ng

RT: 15.32 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

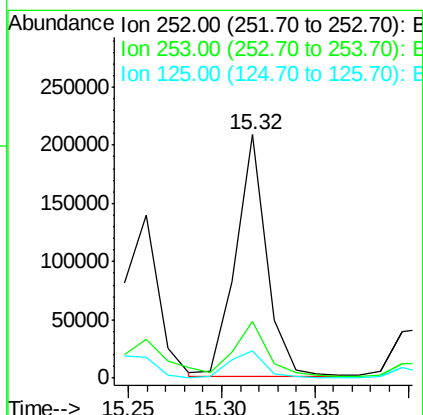
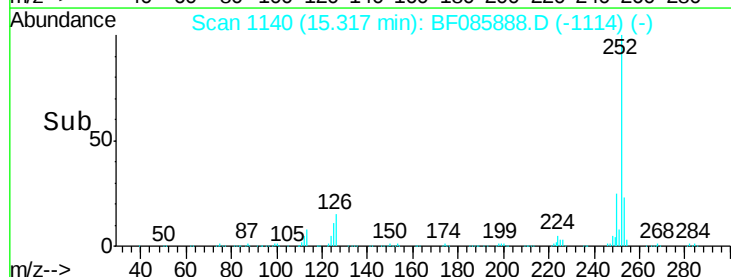
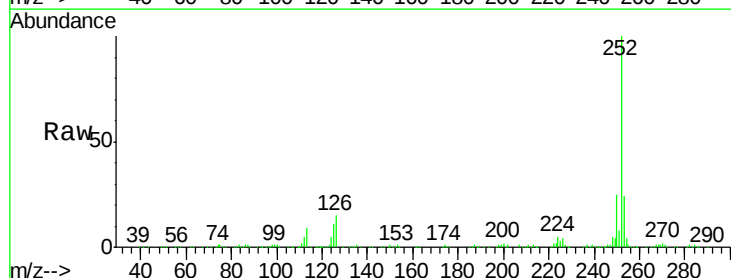
Tgt Ion:252 Resp: 240606

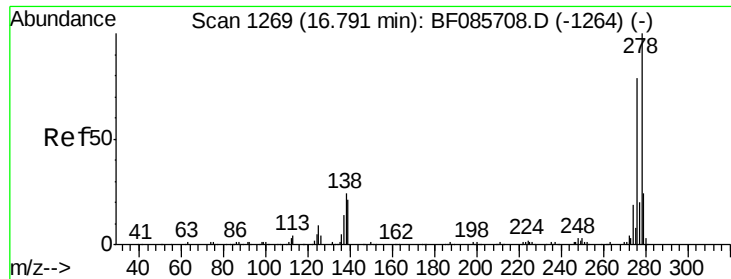
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 11.0 10.3 15.5





#90

Dibenzo(a,h)anthracene

Concen: 3.12 ng

RT: 16.76 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

Instrument :

BNA_F

ClientSampleId :

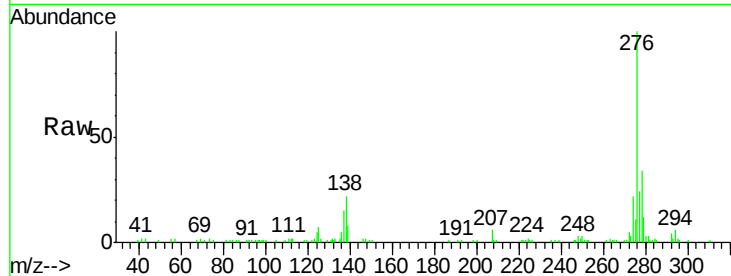
Tgt Ion:278 Resp: 34256

Ion Ratio Lower Upper

278 100

139 22.4 14.4 21.6#

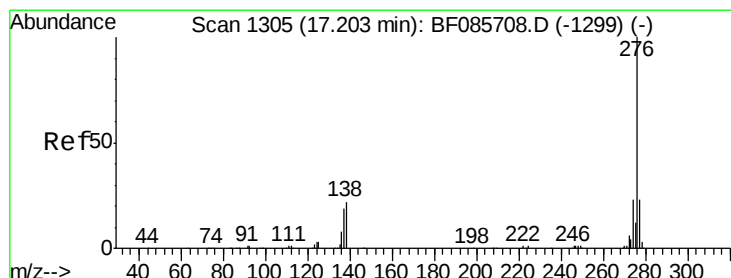
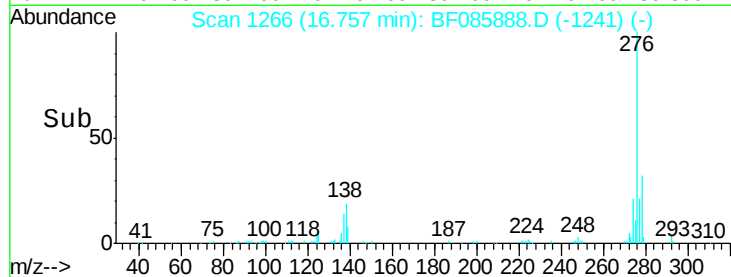
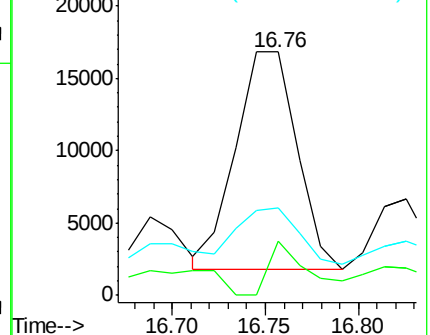
279 35.7 19.1 28.7#



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: 12.08 ng

RT: 17.16 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF085888.D

Acq: 30 Mar 2016 16:07

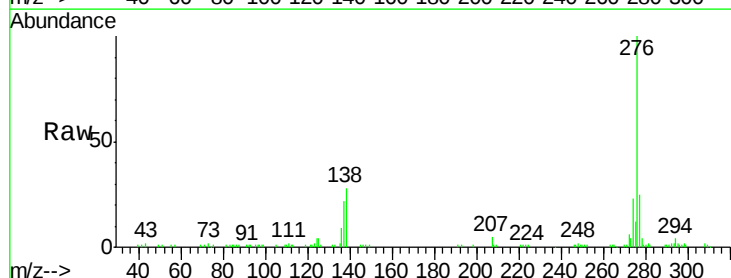
Tgt Ion:276 Resp: 134229

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 27.7 22.6 34.0



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

