

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085766.D
 Acq On : 25 Mar 2016 17:23
 Operator : UM/SJ
 Sample : H1855-02
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Quant Time: Mar 25 21:52:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	112296	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	424930	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	174872	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	265630	20.00	ng	0.00
75) Chrysene-d12	13.98	240	234815	20.00	ng	0.00
86) Perylene-d12	15.41	264	222279	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	54394	8.07	ng	0.01
7) Phenol-d6	6.46	99	77974	9.10	ng	0.00
23) Nitrobenzene-d5	7.38	82	35746	4.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	10612	6.39	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	61886	5.91	ng	-0.01
78) Terphenyl-d14	12.93	244	44636	3.91	ng	0.00

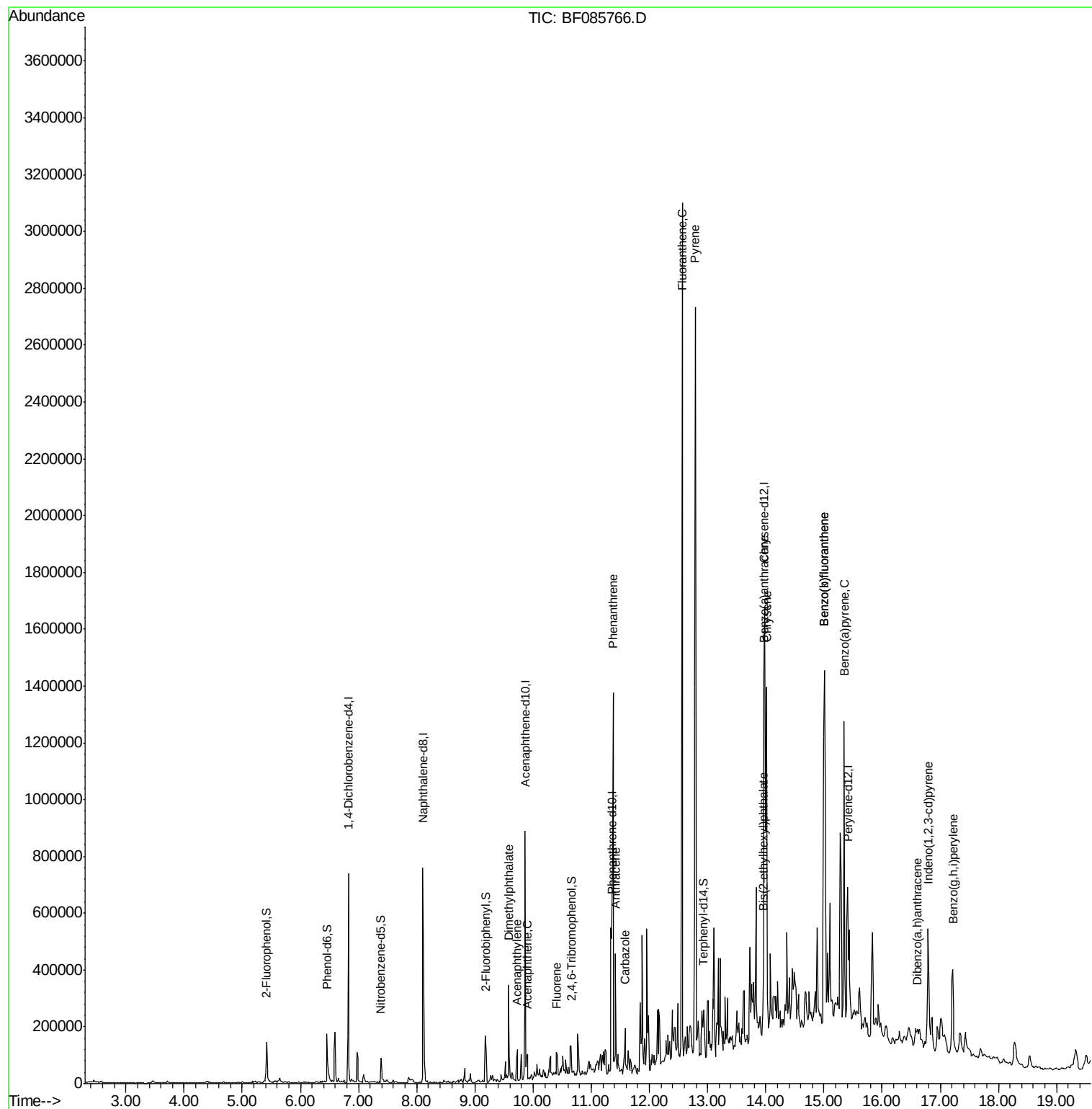
Target Compounds				Qvalue		
37) 2-Methylnaphthalene	8.82	142	11344	Below Cal		99
48) Acenaphthylene	9.73	152	57586	3.26	ng	99
49) Dimethylphthalate	9.58	163	118748	8.95	ng	100
51) Acenaphthene	9.90	154	28870	2.67	ng	97
57) Fluorene	10.41	166	34676	2.98	ng	100
70) Phenanthrene	11.37	178	608151	44.59	ng	99
71) Anthracene	11.42	178	154119	10.76	ng	98
72) Carbazole	11.58	167	61347	5.10	ng	98
74) Fluoranthene	12.56	202	1233115	85.06	ng	94
77) Pyrene	12.79	202	1173535	60.80	ng	99
80) Benzo(a)anthracene	13.97	228	614052	45.86	ng	95
82) Chrysene	14.01	228	546876	40.55	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	42574	4.40	ng	98
85) Indeno(1,2,3-cd)pyrene	16.79	276	258221	24.79	ng	93
87) Benzo(b)fluoranthene	15.01	252	992088	70.85	ng	98
88) Benzo(k)fluoranthene	15.01	252	992088	78.59	ng	# 97
89) Benzo(a)pyrene	15.35	252	495147	39.82	ng	97
90) Dibenzo(a,h)anthracene	16.61	278	53302	4.61	ng	92
91) Benzo(g,h,i)perylene	17.21	276	241433	20.64	ng	95

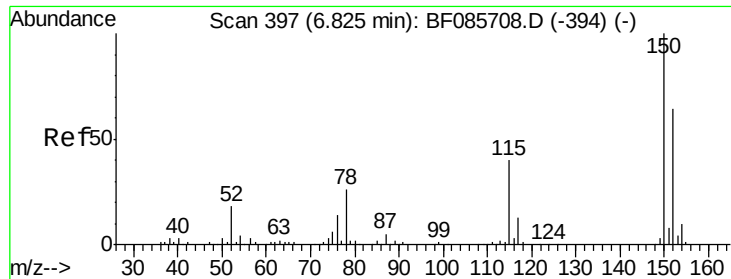
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
Data File : BF085766.D
Acq On : 25 Mar 2016 17:23
Operator : UM/SJ
Sample : H1855-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1

Quant Time: Mar 25 21:52:52 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 14:15:39 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

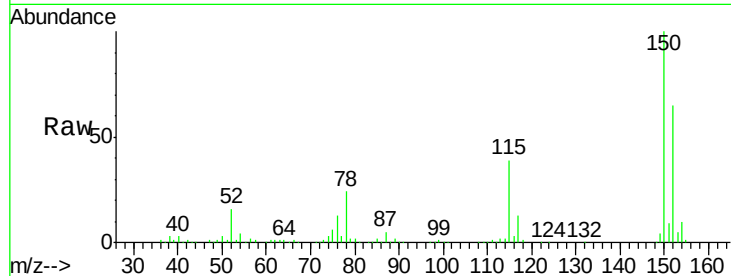
Tgt Ion:152 Resp: 112296

Ion Ratio Lower Upper

152 100

150 152.9 124.2 186.2

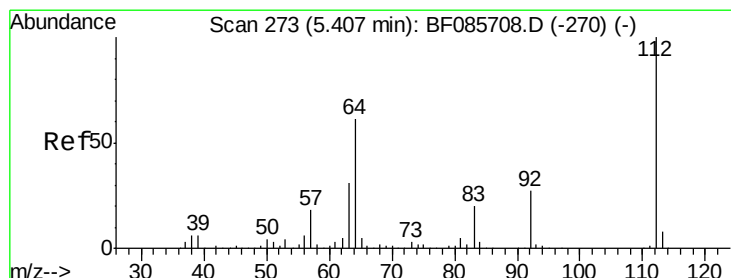
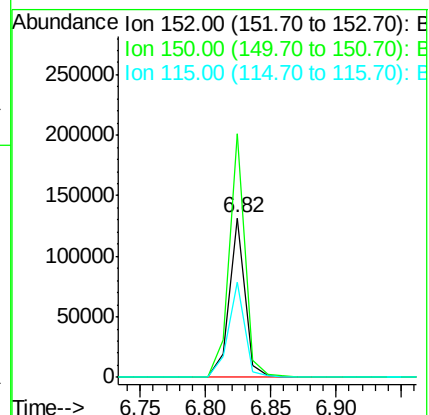
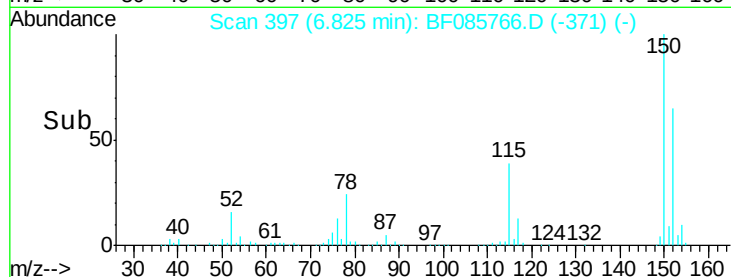
115 59.7 47.0 70.6



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: 8.07 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

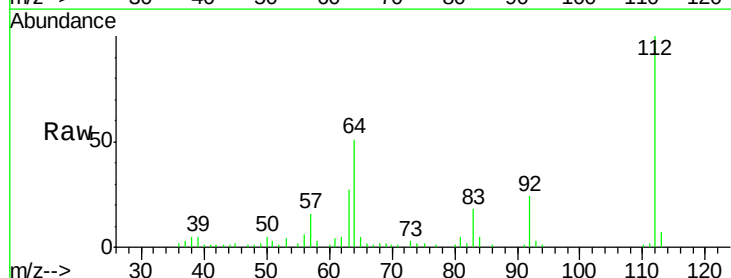
Tgt Ion:112 Resp: 54394

Ion Ratio Lower Upper

112 100

64 51.3 39.9 59.9

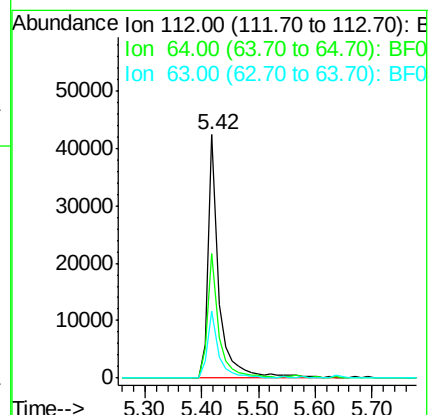
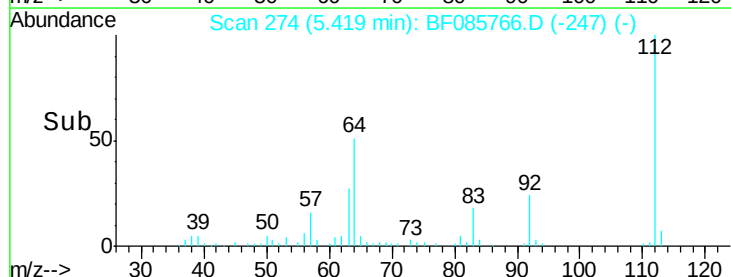
63 27.4 20.2 30.2

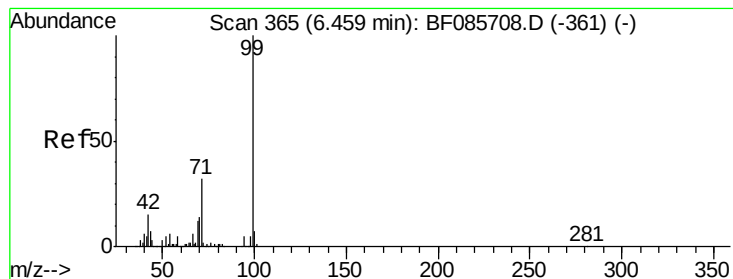


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.10 ng

RT: 6.46 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

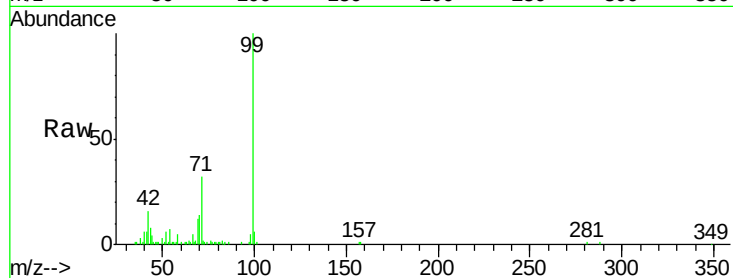
Tgt Ion: 99 Resp: 77974

Ion Ratio Lower Upper

99 100

42 16.2 11.1 16.7

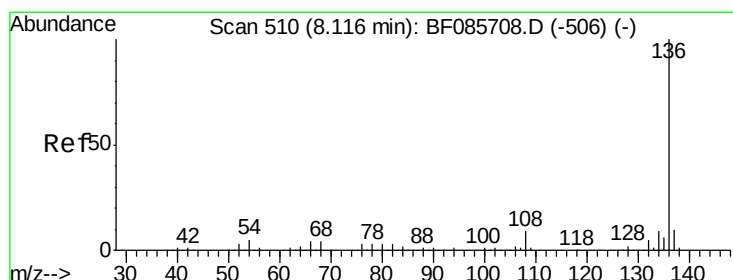
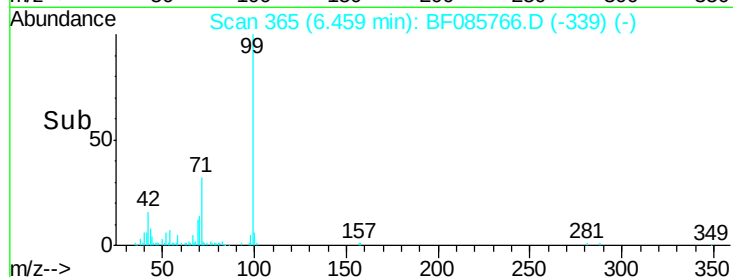
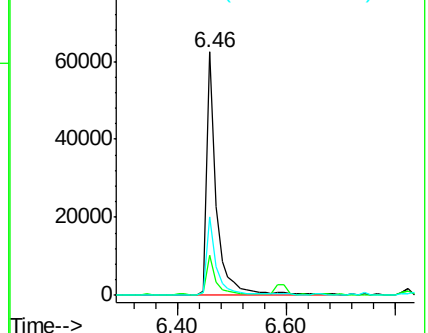
71 32.3 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Tgt Ion: 136 Resp: 424930

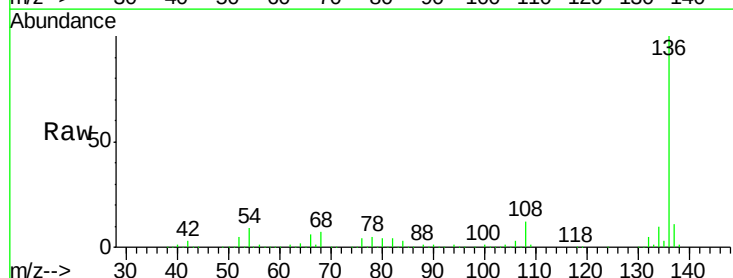
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.9 7.4 11.0

68 7.2 5.8 8.8

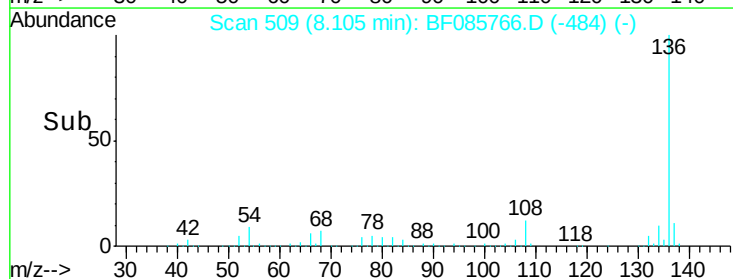
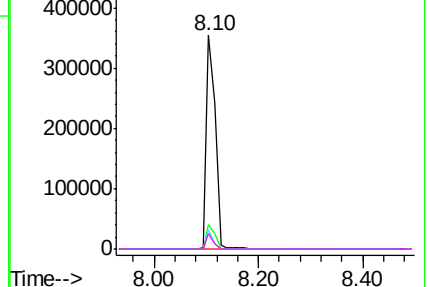


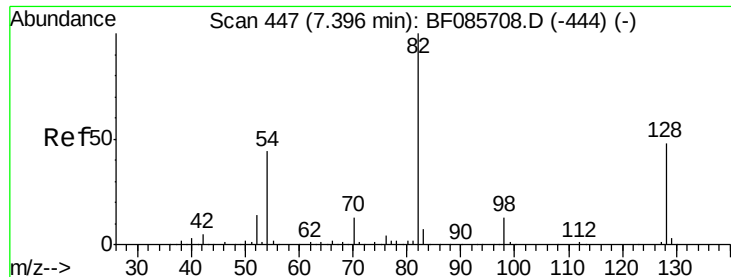
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

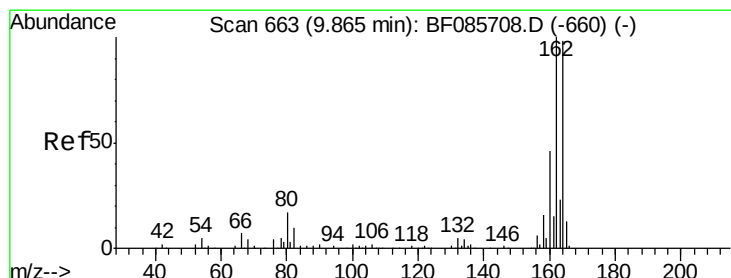
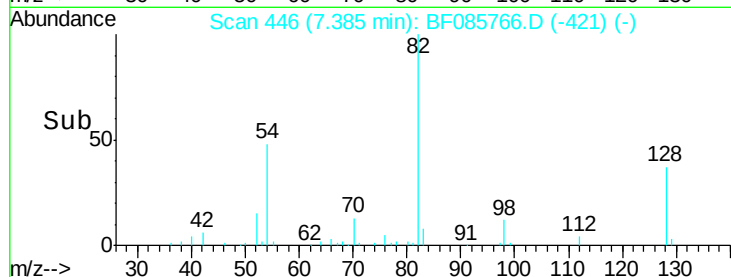
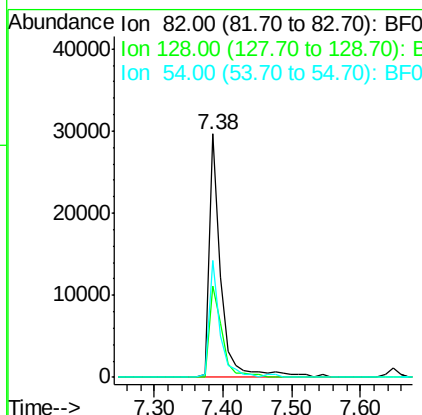
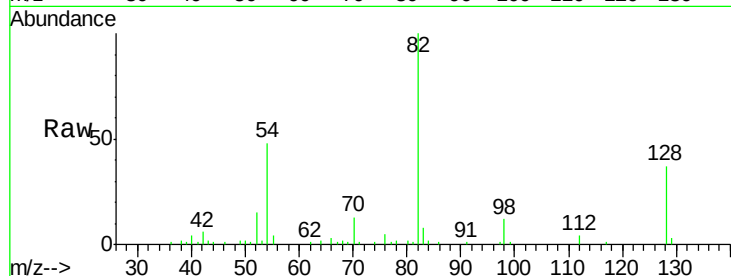




#23
 Nitrobenzene-d5
 Concen: 4.74 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

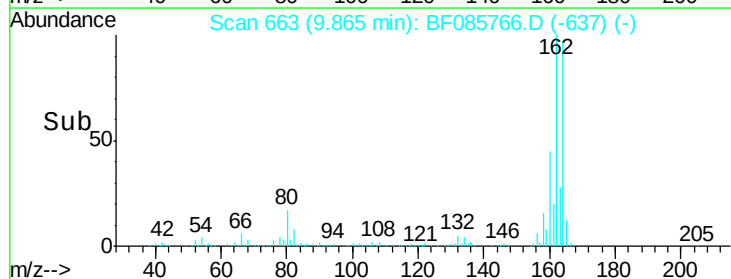
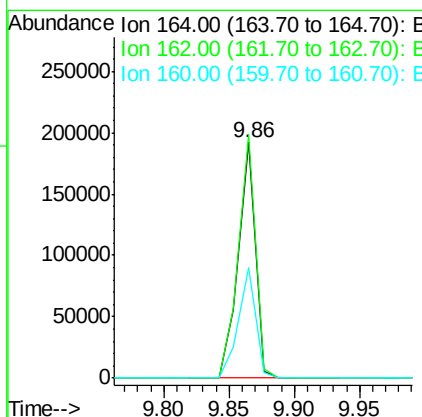
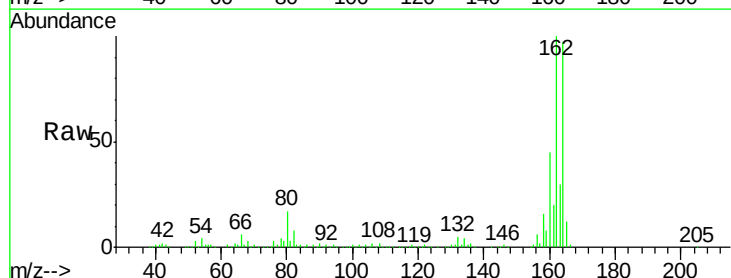
Instrument :
 BNA_F
 ClientSampled :
 SB-1

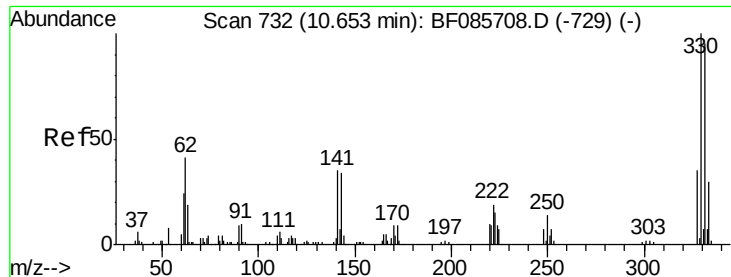
Tgt Ion: 82 Resp: 35746
 Ion Ratio Lower Upper
 82 100
 128 37.4 41.8 62.8#
 54 47.9 33.4 50.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

Tgt Ion: 164 Resp: 174872
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.1 123.1
 160 46.9 37.4 56.2

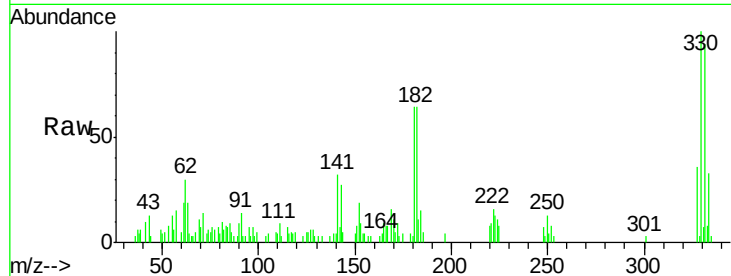




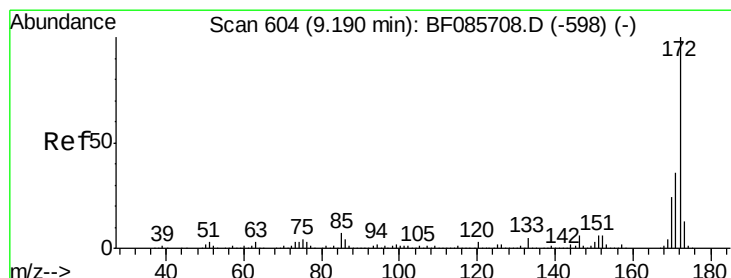
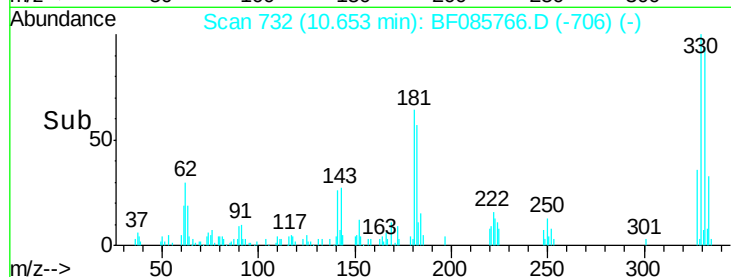
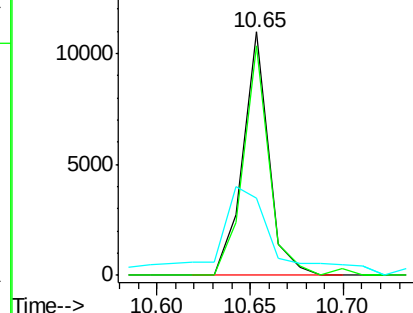
#41
 2,4,6-Tribromophenol
 Concen: 6.39 ng
 RT: 10.65 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

Instrument :
 BNA_F
 ClientSampled :
 SB-1

Tgt Ion:330 Resp: 10612
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.2 117.2
 141 76.3 31.5 47.3#

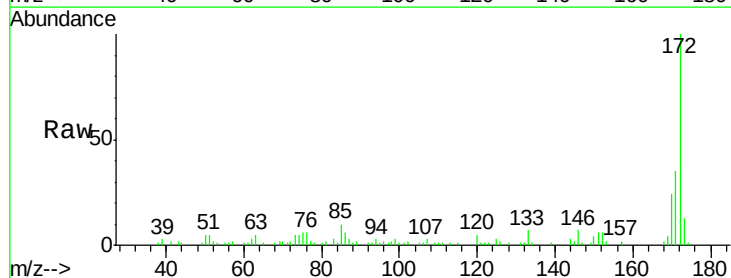


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

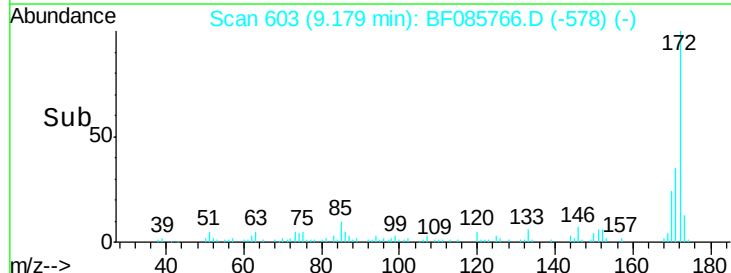
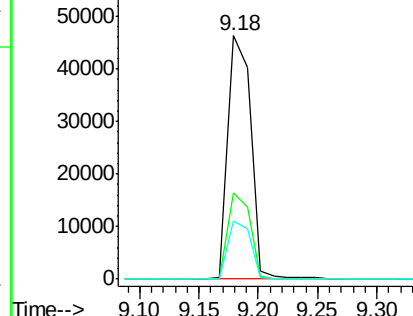


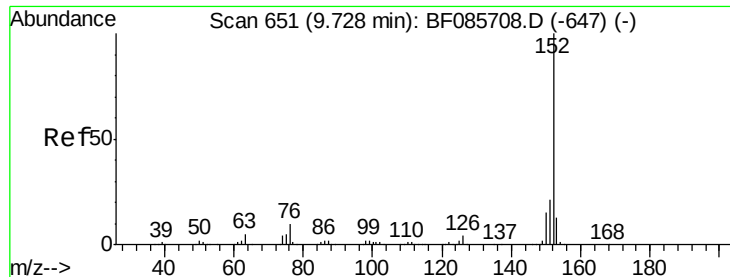
#44
 2-Fluorobiphenyl
 Concen: 5.91 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

Tgt Ion:172 Resp: 61886
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.4 44.2
 170 24.0 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





#48

Acenaphthylene

Concen: 3.26 ng

RT: 9.73 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

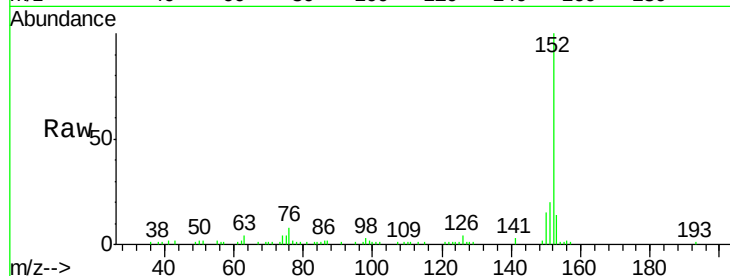
Tgt Ion:152 Resp: 57586

Ion Ratio Lower Upper

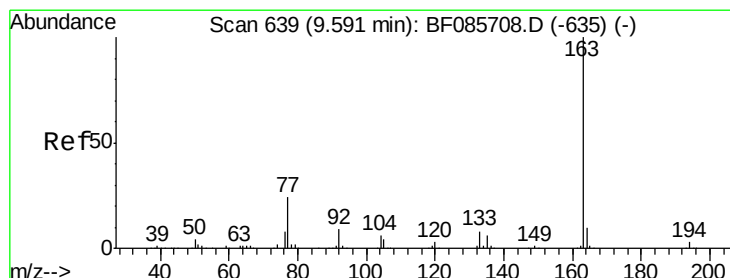
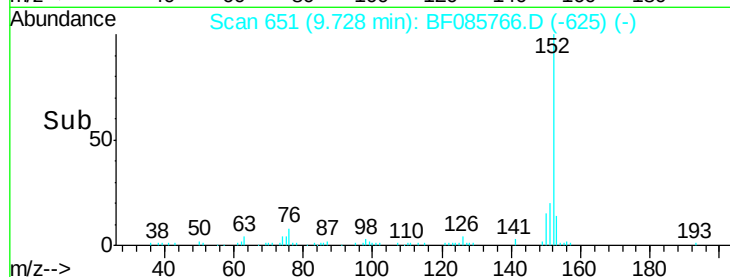
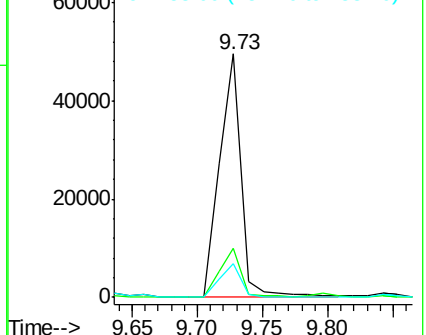
152 100

151 20.2 16.8 25.2

153 13.6 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.95 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

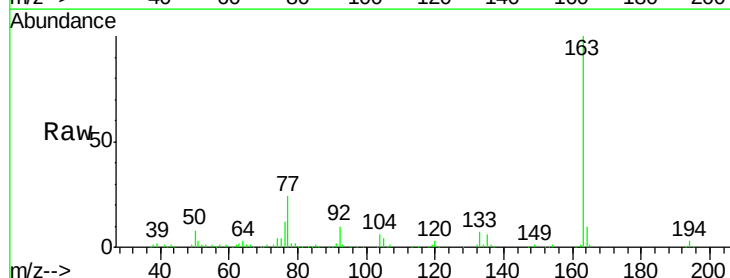
Tgt Ion:163 Resp: 118748

Ion Ratio Lower Upper

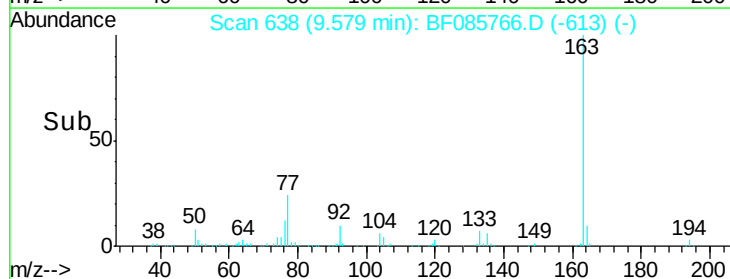
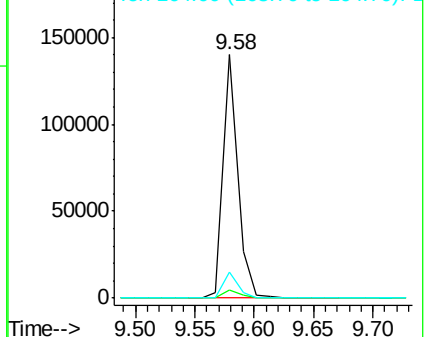
163 100

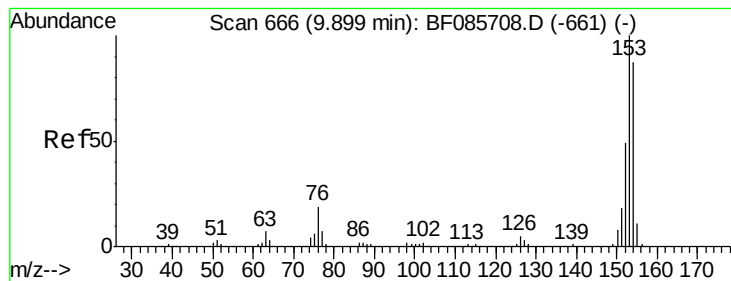
194 3.1 2.9 4.3

164 10.4 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





#51

Acenaphthene

Concen: 2.67 ng

RT: 9.90 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

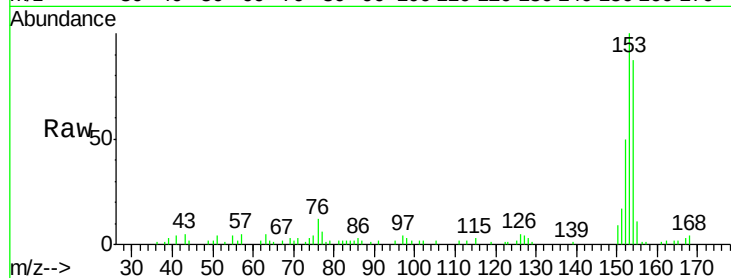
Tgt Ion:154 Resp: 28870

Ion Ratio Lower Upper

154 100

153 115.4 90.1 135.1

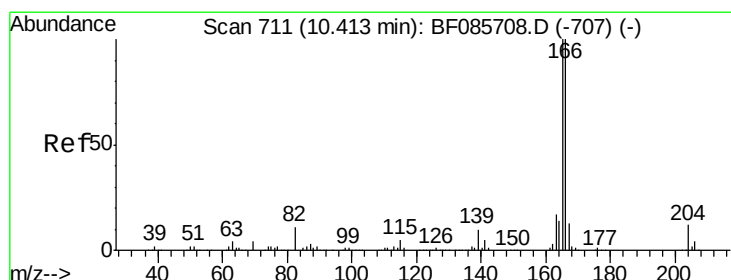
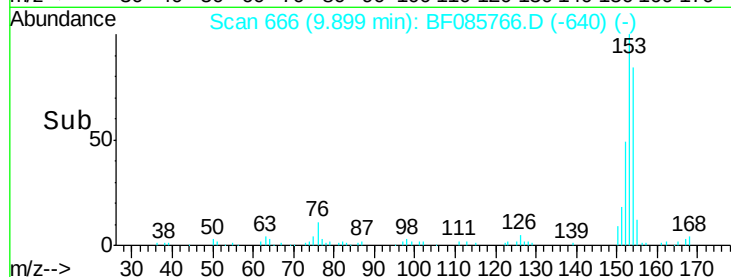
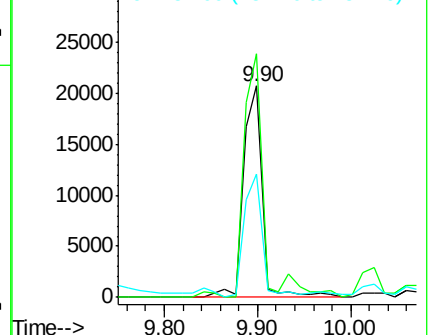
152 58.2 44.2 66.2



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: 2.98 ng

RT: 10.41 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

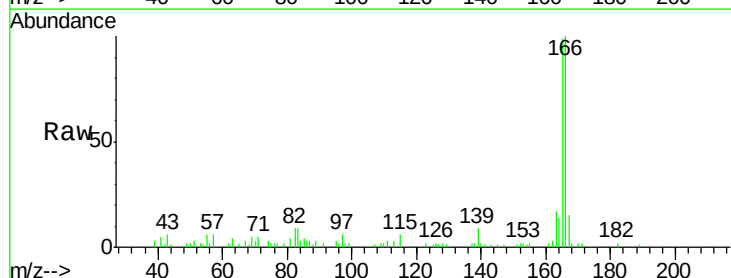
Tgt Ion:166 Resp: 34676

Ion Ratio Lower Upper

166 100

165 99.2 79.4 119.0

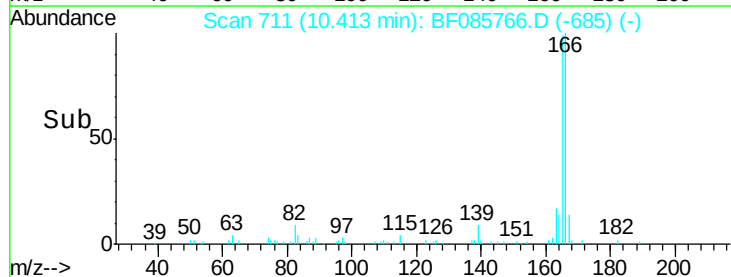
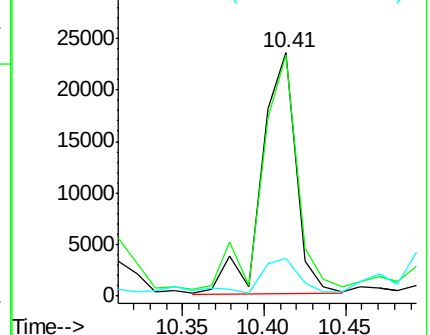
167 15.3 11.0 16.4

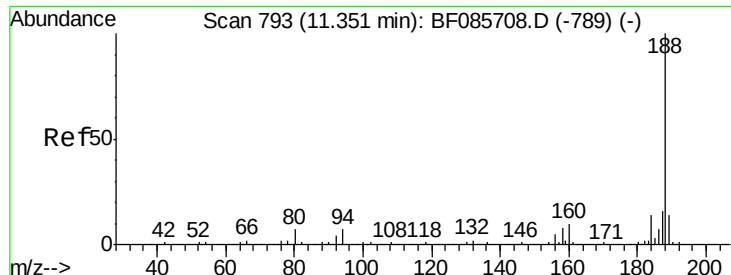


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

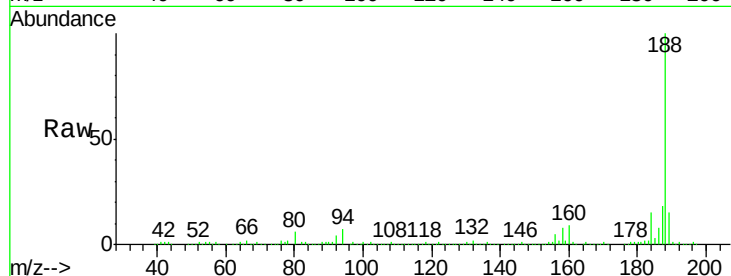




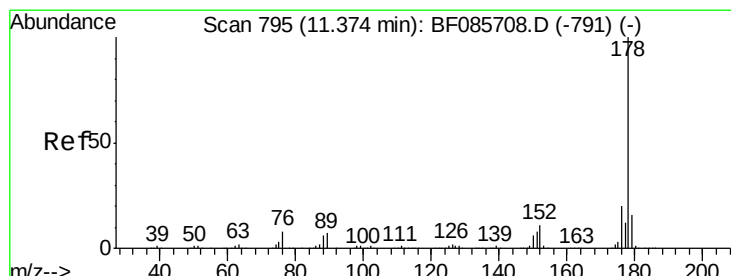
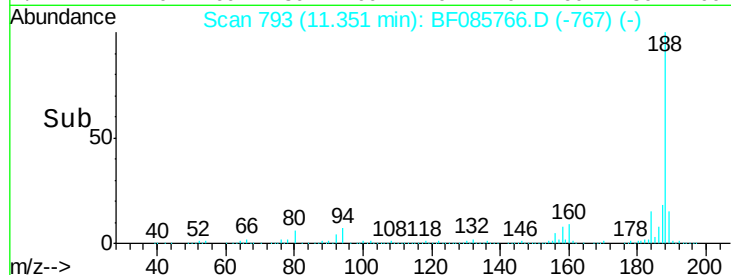
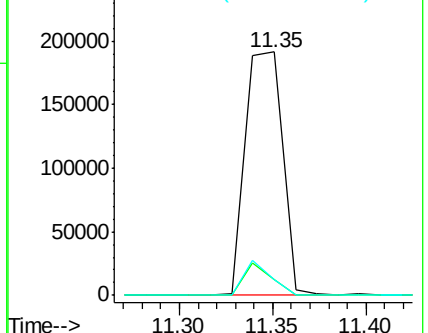
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SB-1

Tgt Ion:188 Resp: 265630
Ion Ratio Lower Upper
188 100
94 6.5 5.4 8.0
80 6.3 5.5 8.3

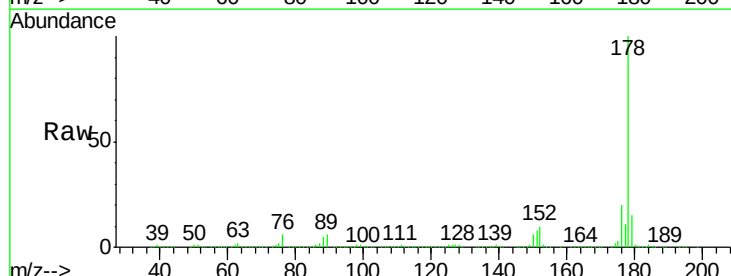


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

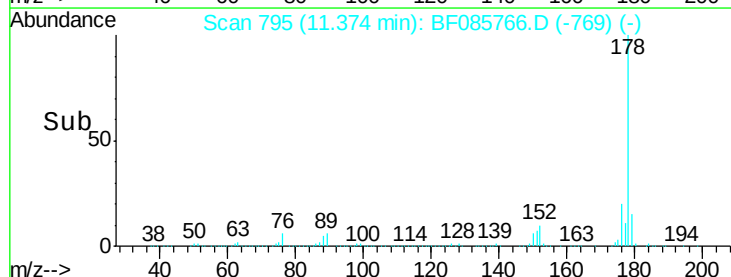
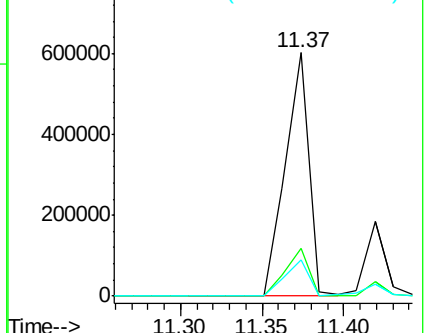


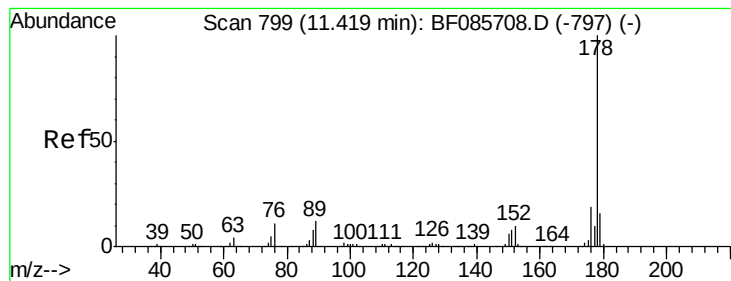
#70
Phenanthrene
Concen: 44.59 ng
RT: 11.37 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion:178 Resp: 608151
Ion Ratio Lower Upper
178 100
176 19.8 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: 10.76 ng

RT: 11.42 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

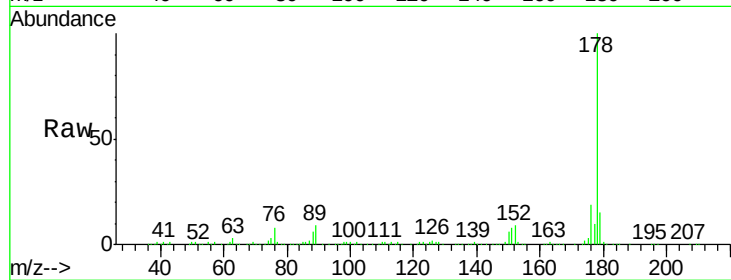
Tgt Ion:178 Resp: 154119

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

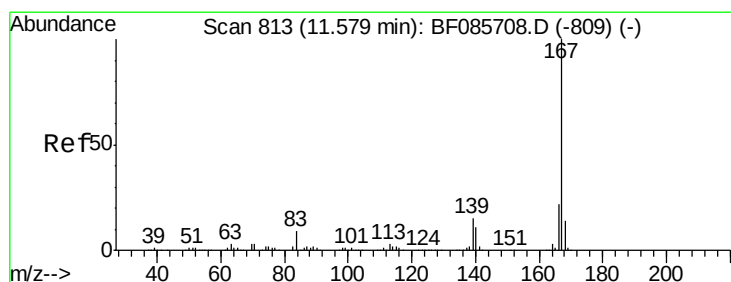
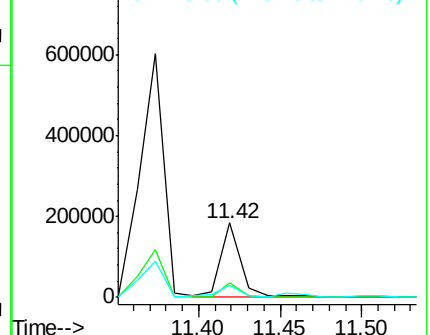
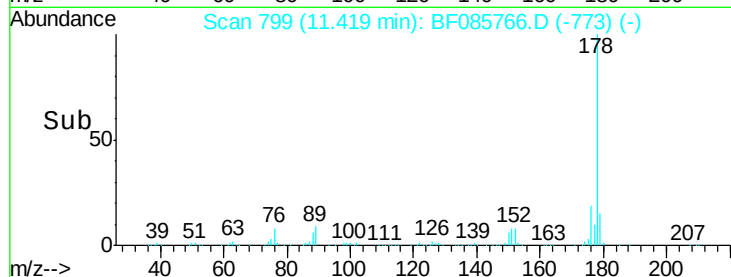
179 15.4 13.0 19.4



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: 5.10 ng

RT: 11.58 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

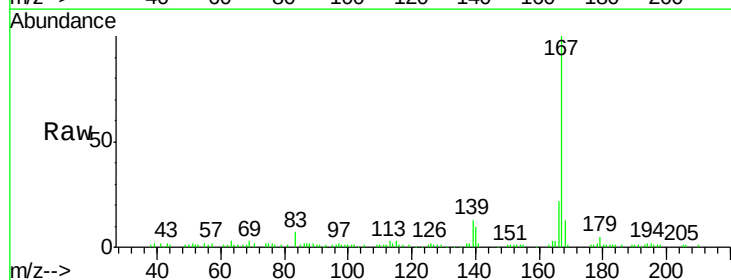
Tgt Ion:167 Resp: 61347

Ion Ratio Lower Upper

167 100

166 21.8 17.8 26.8

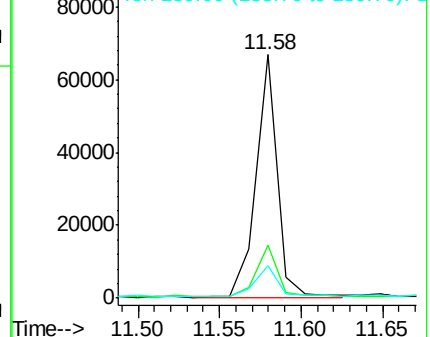
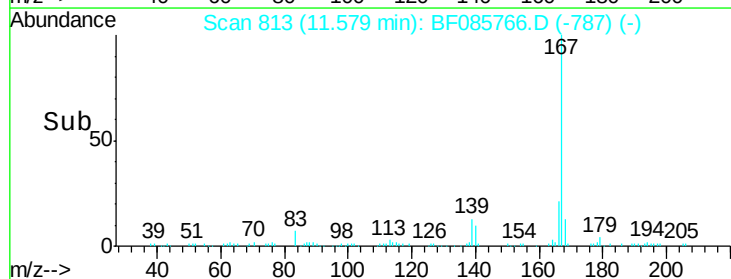
139 13.5 11.6 17.4

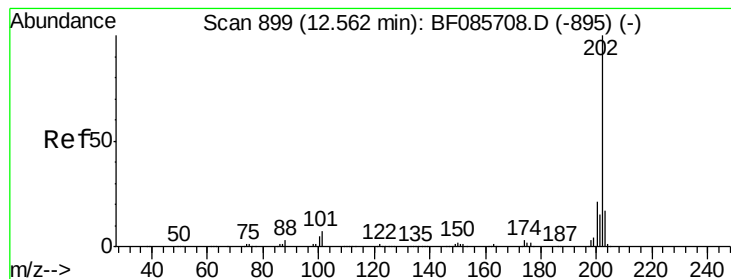


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 85.06 ng

RT: 12.56 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

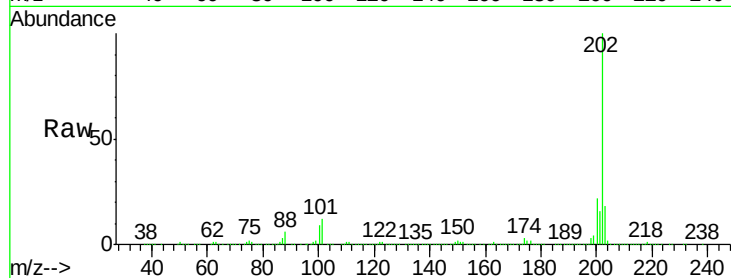
Tgt Ion:202 Resp: 1233115

Ion Ratio Lower Upper

202 100

101 11.7 0.0 36.6

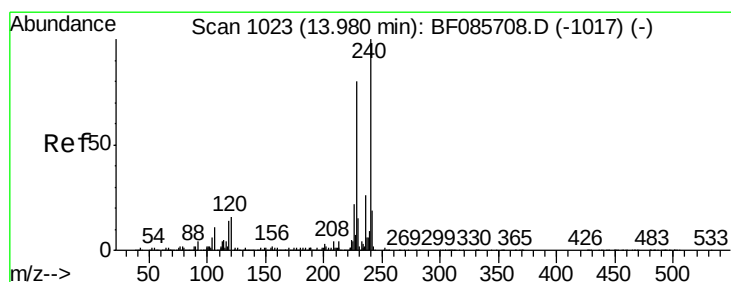
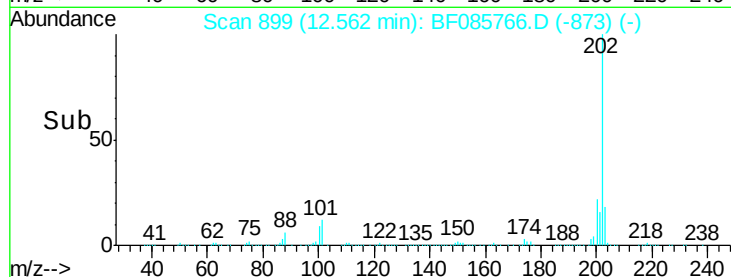
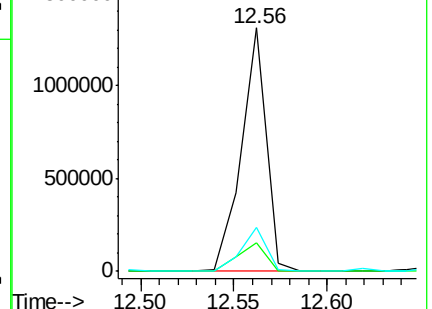
203 18.0 0.0 38.1



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: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

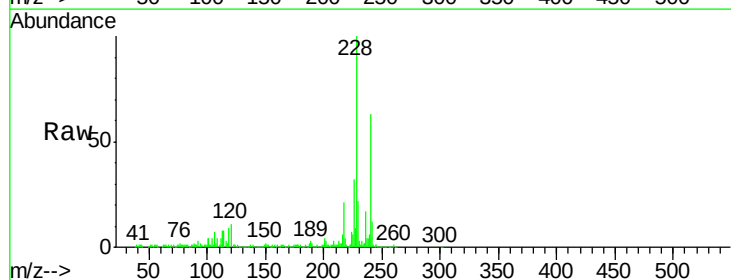
Tgt Ion:240 Resp: 234815

Ion Ratio Lower Upper

240 100

120 16.8 13.8 20.8

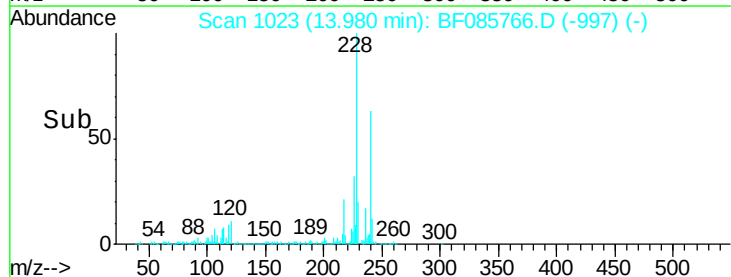
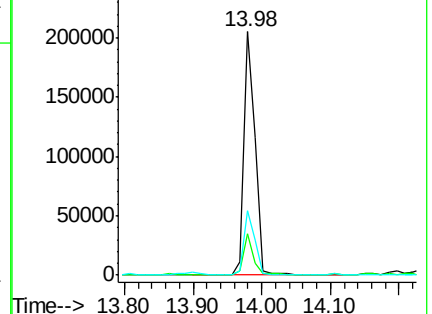
236 26.7 20.6 30.8

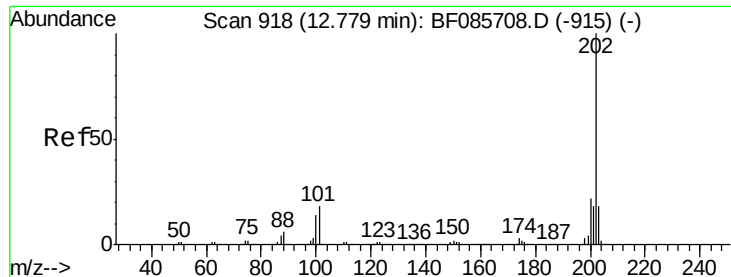


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 60.80 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

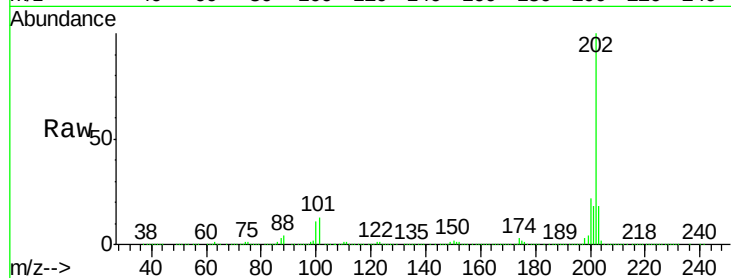
Tgt Ion:202 Resp: 1173535

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

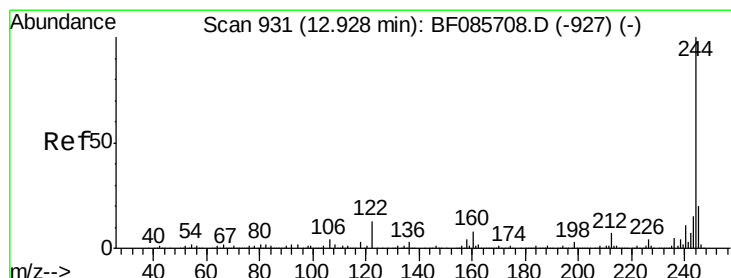
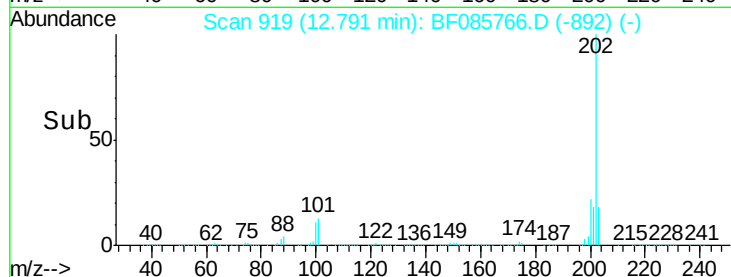
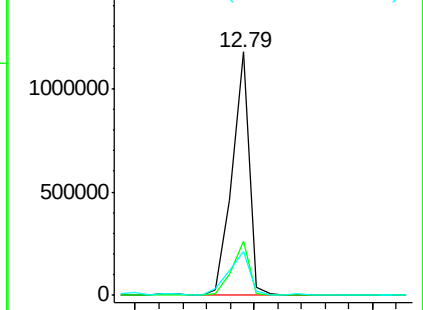
203 17.9 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 3.91 ng

RT: 12.93 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

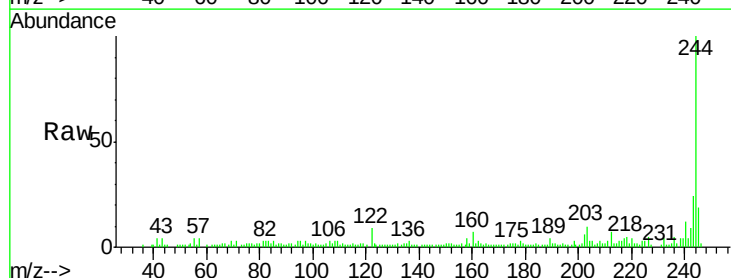
Tgt Ion:244 Resp: 44636

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

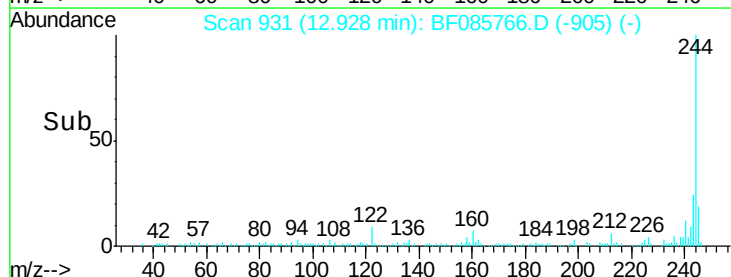
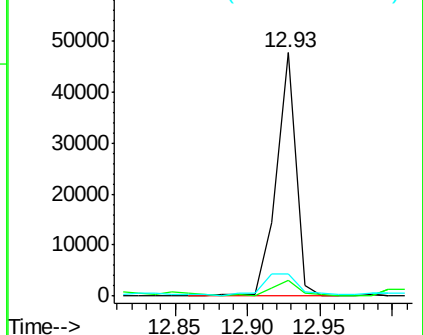
122 9.4 10.2 15.4#

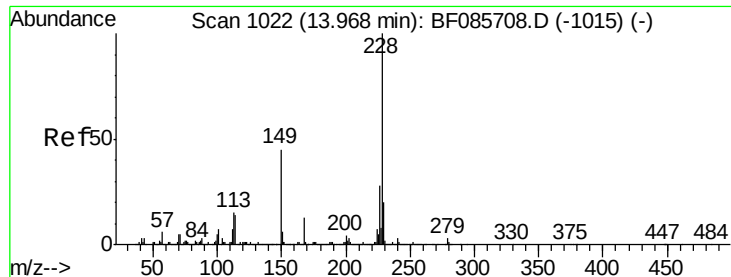


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 45.86 ng

RT: 13.97 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

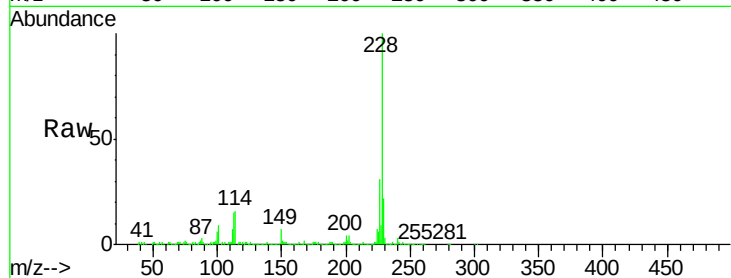
Tgt Ion:228 Resp: 614052

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

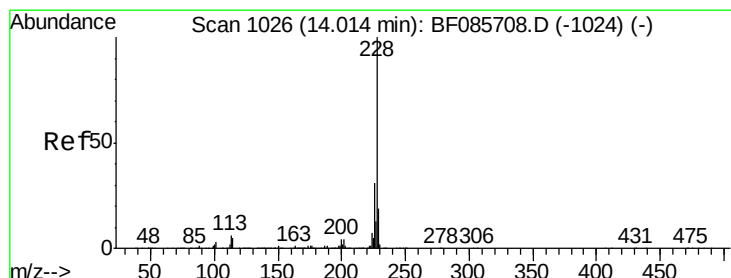
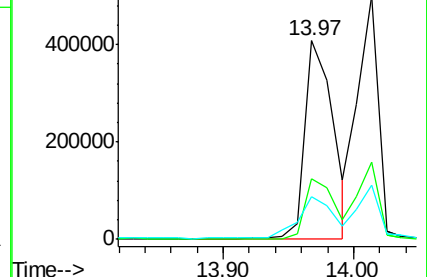
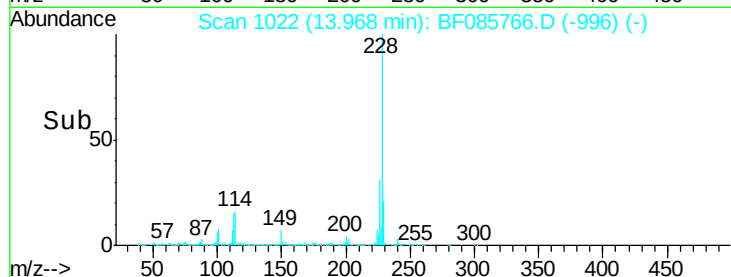
229 21.6 16.2 24.4



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: 40.55 ng

RT: 14.01 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

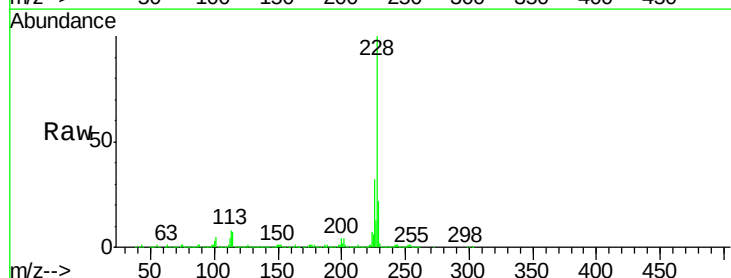
Tgt Ion:228 Resp: 546876

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.6

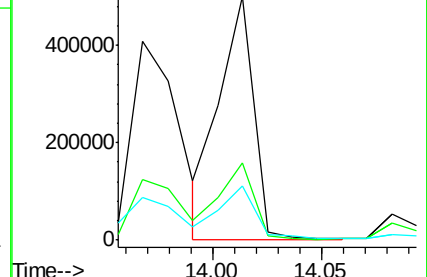
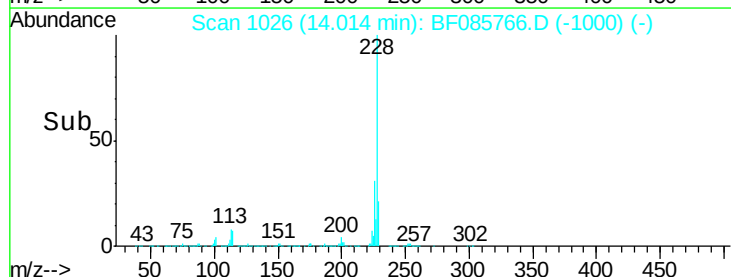
229 22.3 15.7 23.5

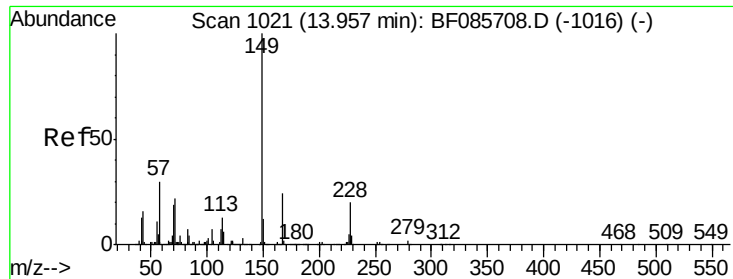


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

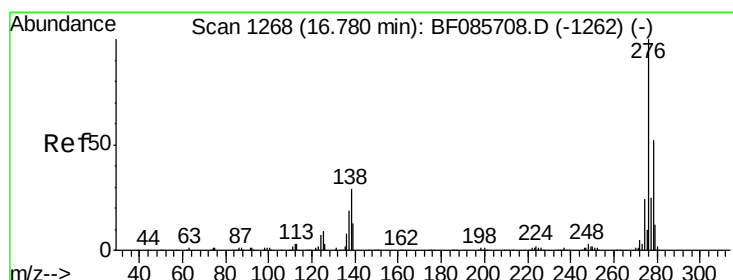
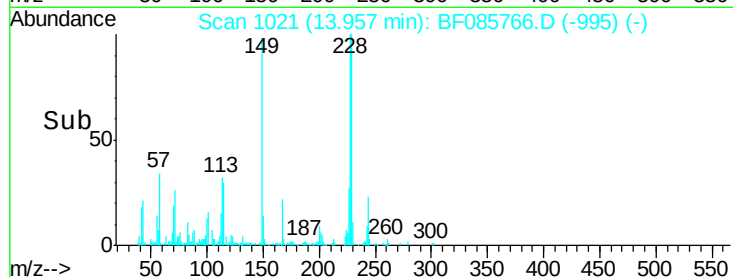
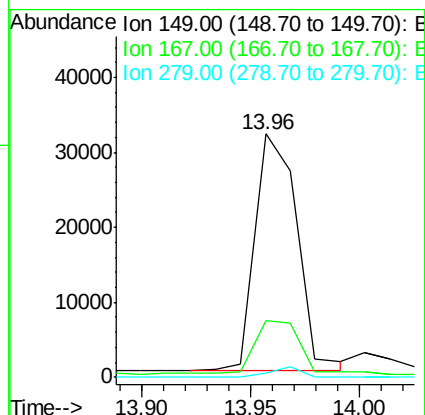
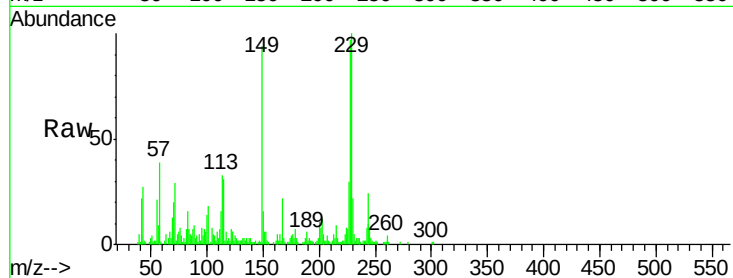




#83
Bis(2-ethylhexyl)phthalate
Concen: 4.40 ng
RT: 13.96 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

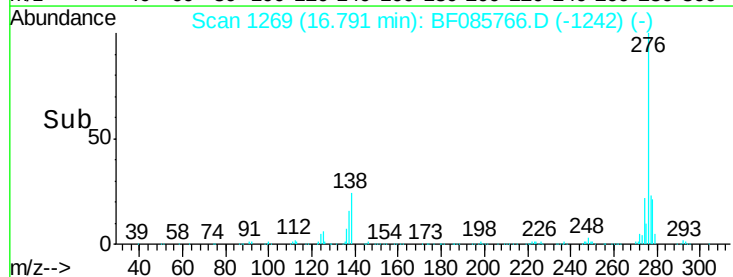
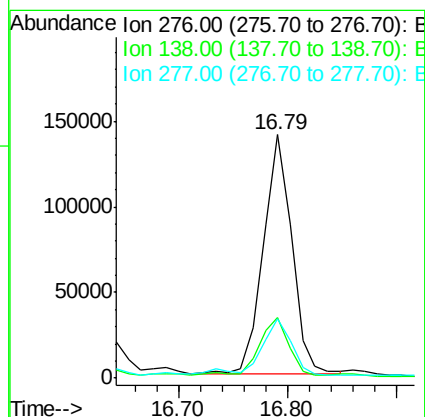
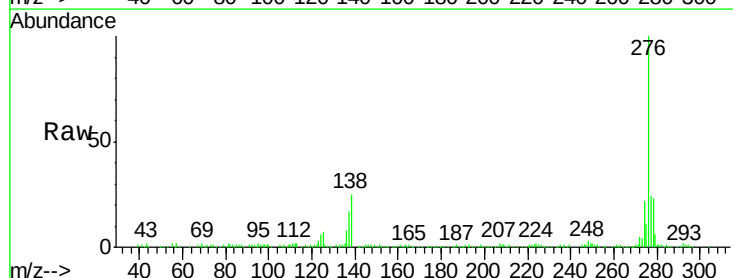
Instrument :
BNA_F
ClientSampleId :
SB-1

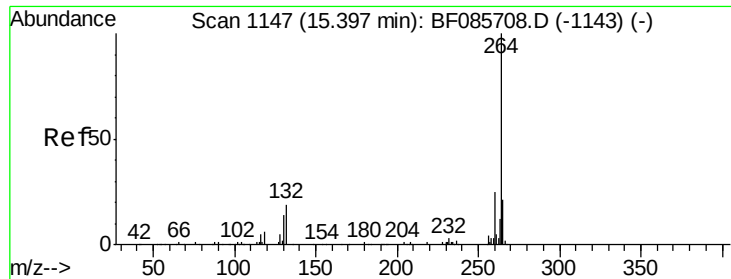
Tgt Ion:149 Resp: 42574
Ion Ratio Lower Upper
149 100
167 23.2 19.4 29.2
279 1.6 1.5 2.3



#85
Indeno(1,2,3-cd)pyrene
Concen: 24.79 ng
RT: 16.79 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion:276 Resp: 258221
Ion Ratio Lower Upper
276 100
138 25.0 24.2 36.4
277 26.9 20.0 30.0

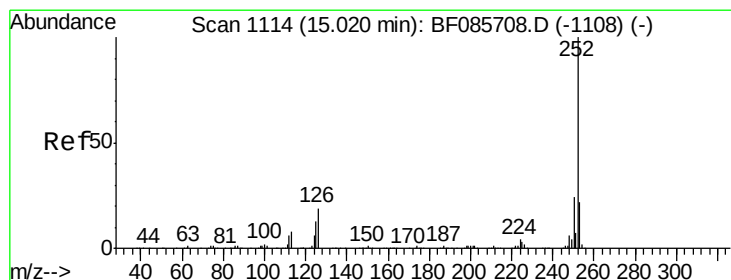
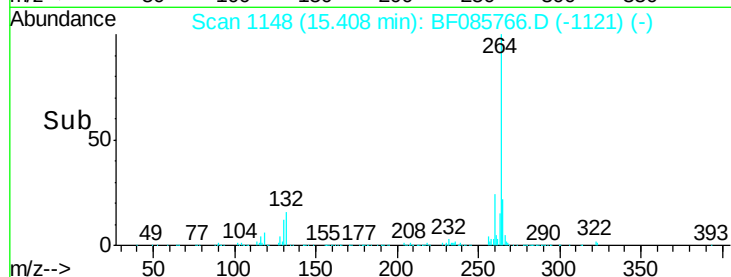
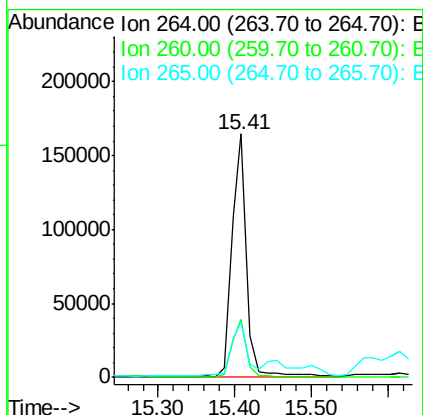
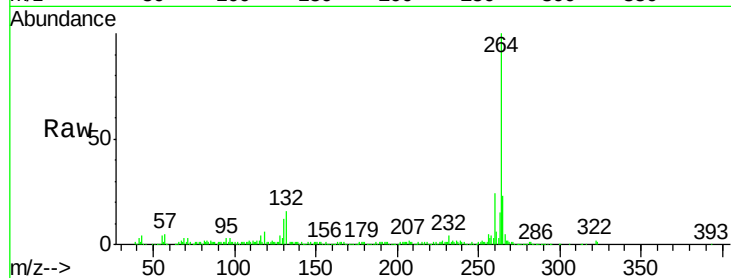




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

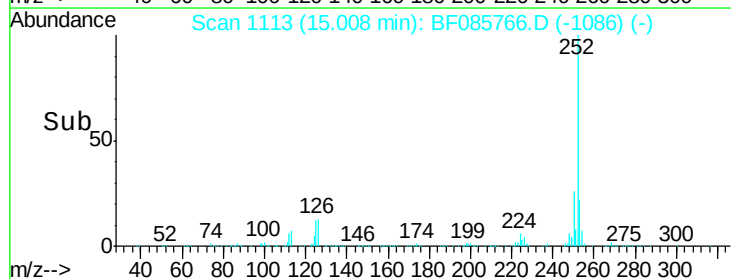
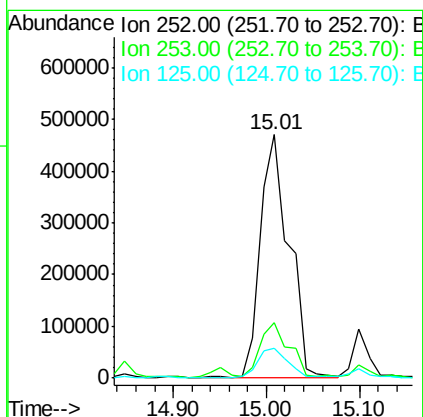
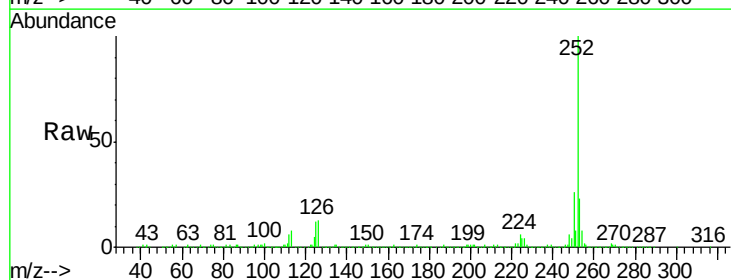
Instrument :
BNA_F
ClientSampleId :
SB-1

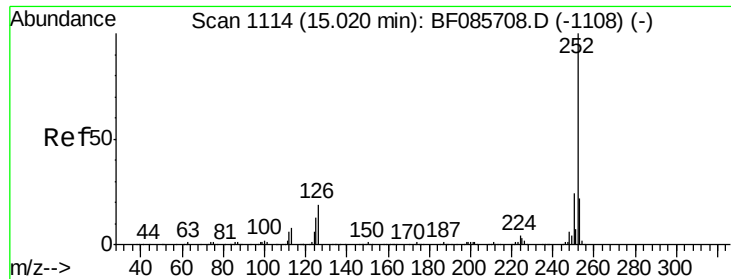
Tgt Ion:264 Resp: 222279
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 70.85 ng
RT: 15.01 min Scan# 1113
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion:252 Resp: 992088
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 12.2 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 78.59 ng

RT: 15.01 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

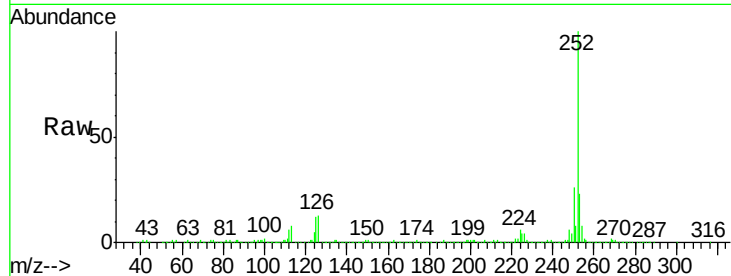
Tgt Ion:252 Resp: 992088

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

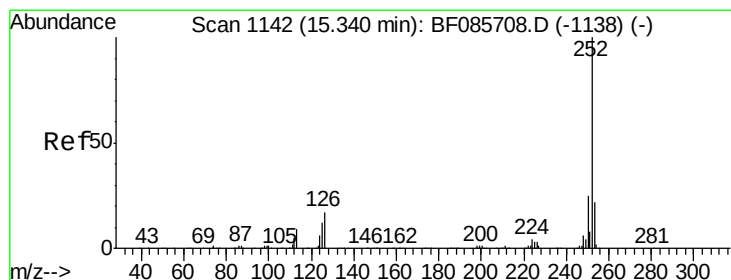
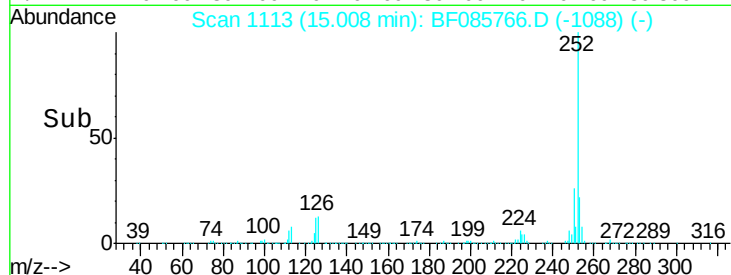
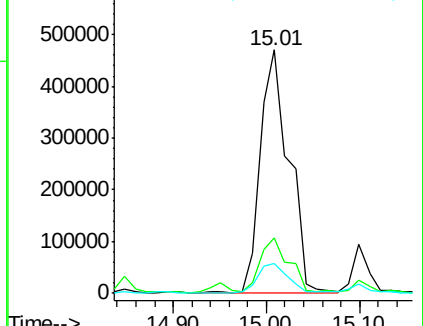
125 12.2 7.7 11.5#



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: 39.82 ng

RT: 15.35 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

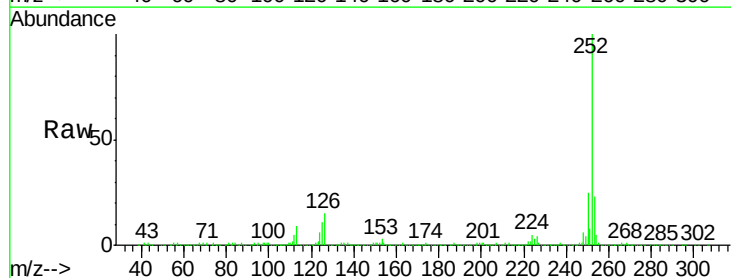
Tgt Ion:252 Resp: 495147

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

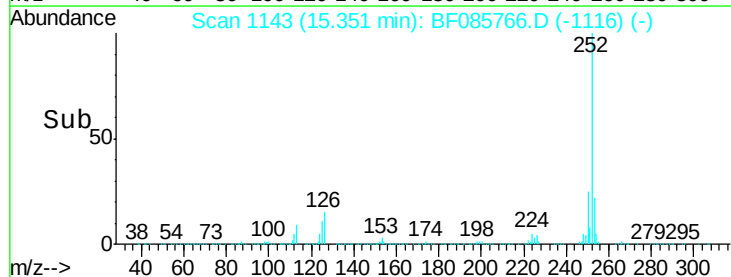
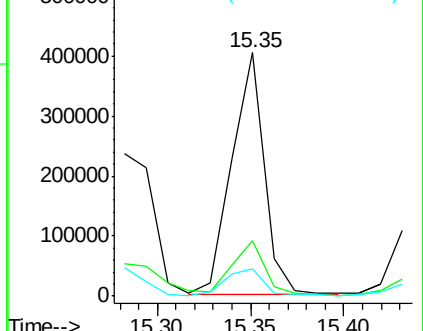
125 11.4 10.3 15.5

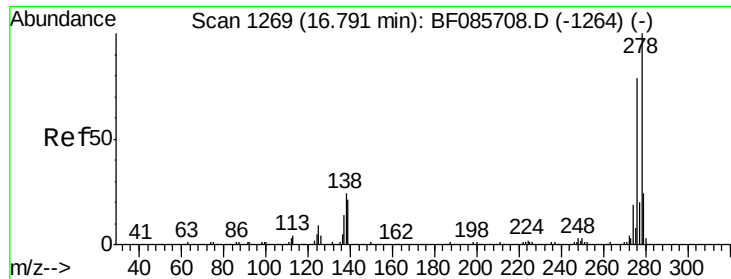


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.61 ng

RT: 16.61 min Scan# 1253

Delta R.T. -0.18 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

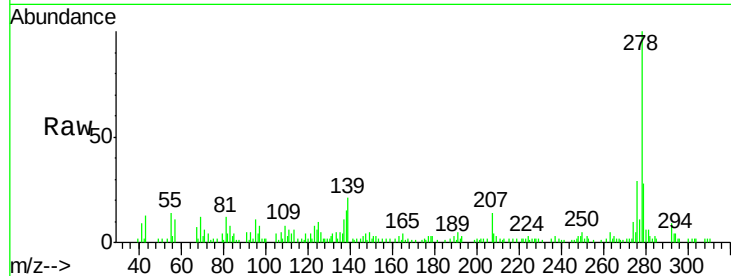
Tgt Ion:278 Resp: 53302

Ion Ratio Lower Upper

278 100

139 21.3 14.4 21.6

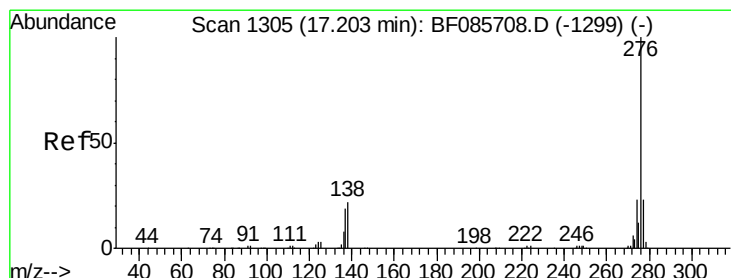
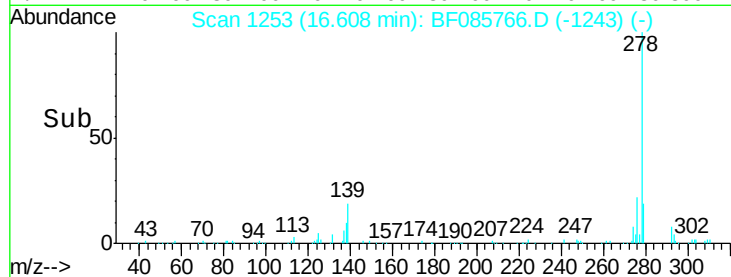
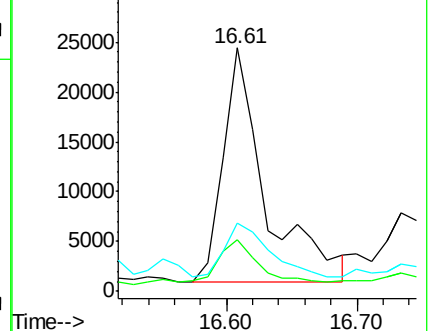
279 28.1 19.1 28.7



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: 20.64 ng

RT: 17.21 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

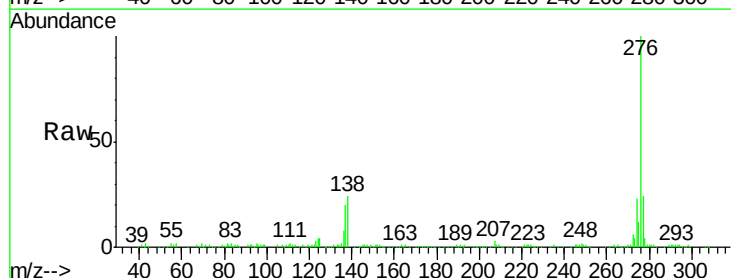
Tgt Ion:276 Resp: 241433

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 24.3 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

