

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
 Data File : BF082306.D
 Acq On : 15 Oct 2015 13:44
 Operator : UM/IZ
 Sample : G4016-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-9

Quant Time: Oct 16 01:55:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

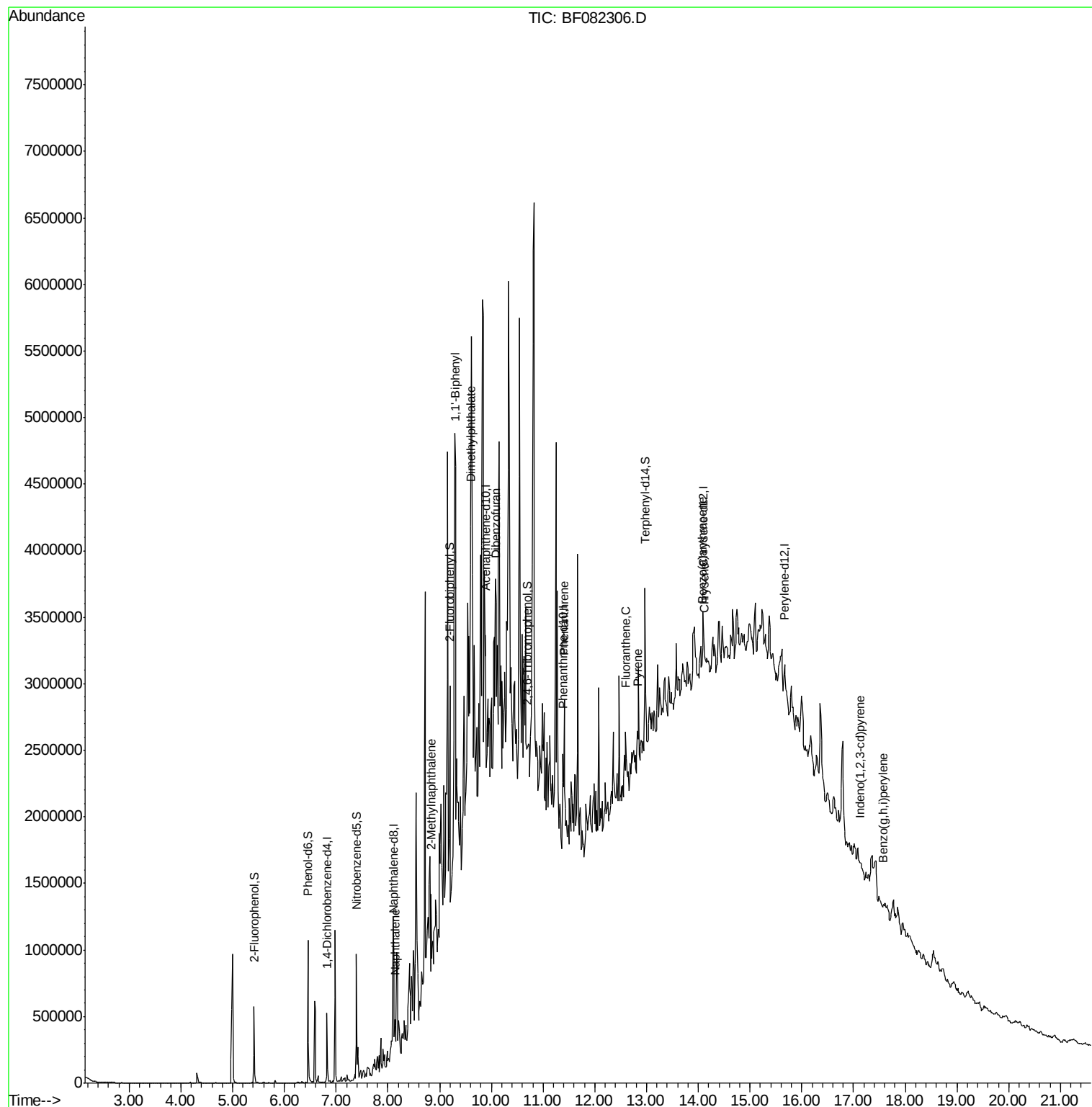
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	81168	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	304190	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	127682	20.00	ng	0.01
63) Phenanthrene-d10	11.38	188	217159	20.00	ng	0.02
75) Chrysene-d12	14.09	240	154083	20.00	ng	0.00
86) Perylene-d12	15.67	264	152448	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	181799	45.20	ng	0.00
7) Phenol-d6	6.46	99	407194	77.80	ng	-0.01
23) Nitrobenzene-d5	7.39	82	346788	76.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	19287	16.11	ng	0.01
44) 2-Fluorobiphenyl	9.20	172	595683	77.37	ng	0.00
78) Terphenyl-d14	12.97	244	437829	75.30	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.14	128	84975	6.44	ng	100
37) 2-Methylnaphthalene	8.83	142	171786	18.79	ng	97
45) 1,1'-Biphenyl	9.30	154	55206	5.67	ng	90
49) Dimethylphthalate	9.60	163	117657	13.09	ng	# 90
54) Dibenzofuran	10.09	168	98291	9.99	ng	# 67
70) Phenanthrene	11.41	178	428334	40.24	ng	99
74) Fluoranthene	12.59	202	187837	16.43	ng	97
77) Pyrene	12.82	202	128933	14.10	ng	95
80) Benzo(a)anthracene	14.08	228	31783	3.96	ng	# 82
82) Chrysene	14.12	228	49974	5.92	ng	# 89
85) Indeno(1,2,3-cd)pyrene	17.13	276	19720	2.94	ng	97
91) Benzo(a,h,i)perylene	17.57	276	16839	2.65	ng	# 31

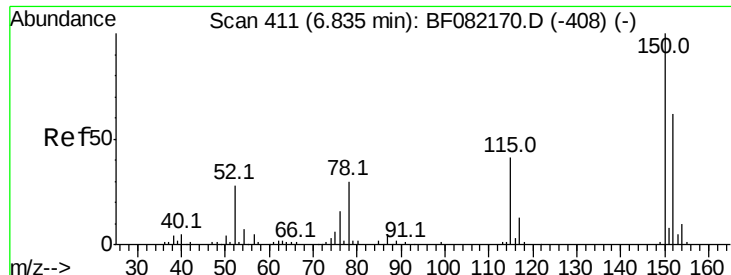
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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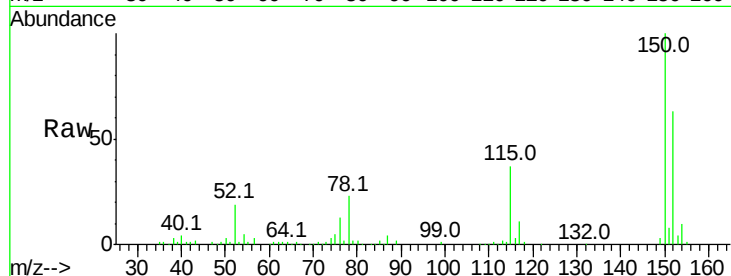


#1

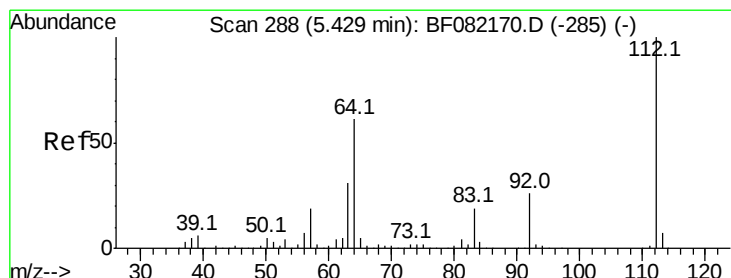
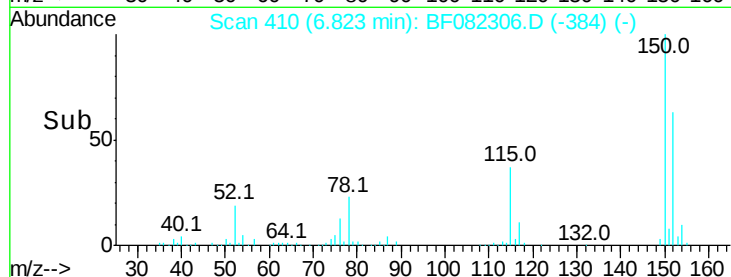
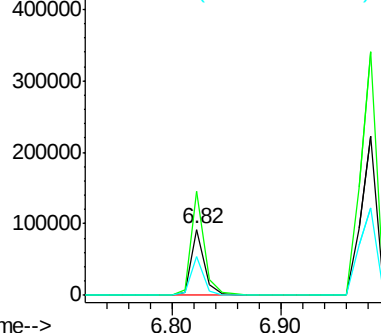
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF082306.D
Acq: 15 Oct 2015 13:44

Instrument :
BNA_F
ClientSampleId :
CS-9

Tot Ion:152 Resp: 81168
Ion Ratio Lower Upper
152 100
150 158.0 129.0 193.4
115 58.1 52.1 78.1



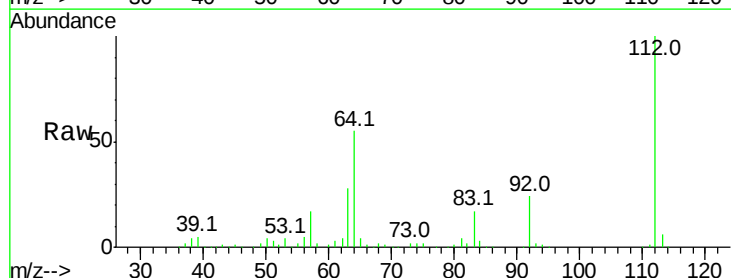
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



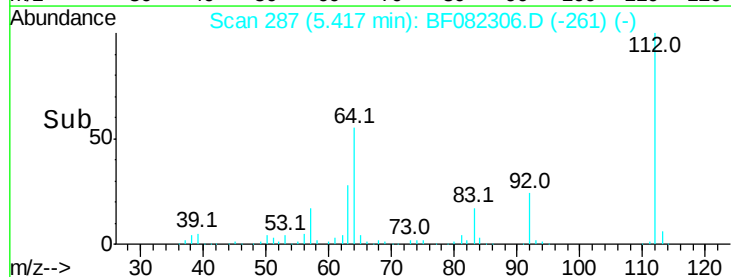
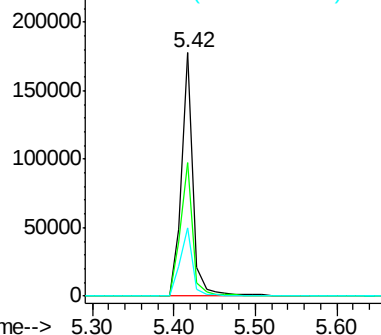
#5

2-Fluorophenol
Concen: 45.20 ng
RT: 5.42 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF082306.D
Acq: 15 Oct 2015 13:44

Tgt Ion:112 Resp: 181799
Ion Ratio Lower Upper
112 100
64 54.6 48.6 73.0
63 28.1 25.1 37.7



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: 77.80 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampleId :

CS-9

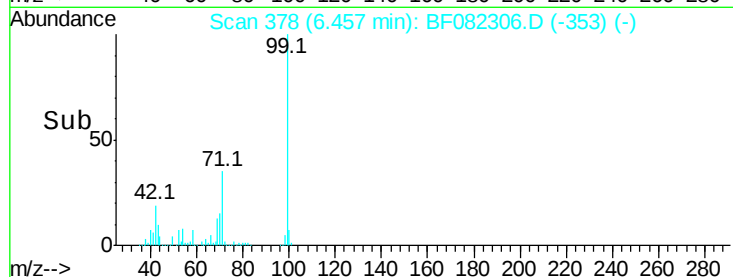
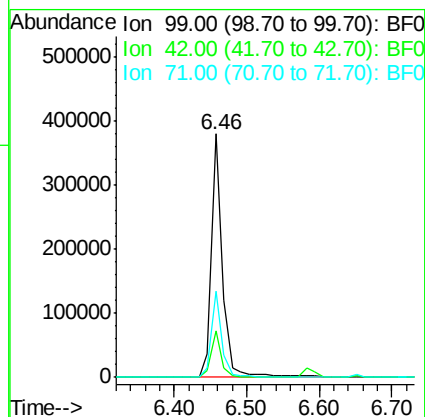
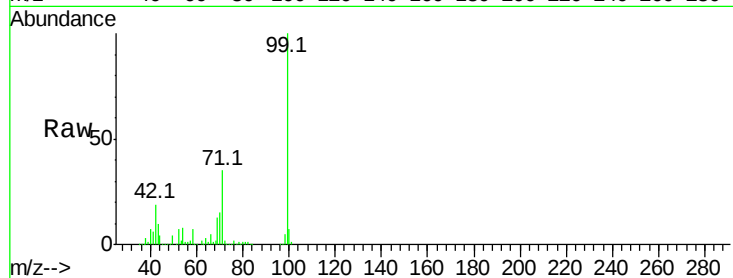
Tot Ion: 99 Resp: 407194

Ion Ratio Lower Upper

99 100

42 19.4 13.2 19.8

71 35.2 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Tgt Ion: 136 Resp: 304190

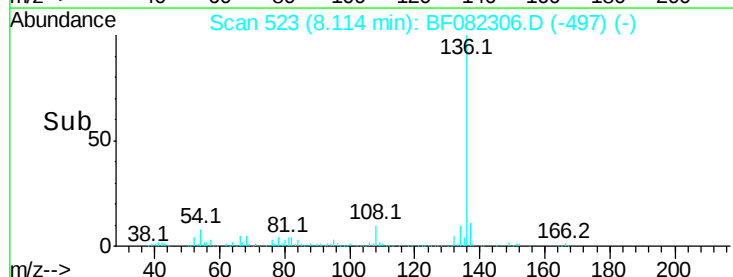
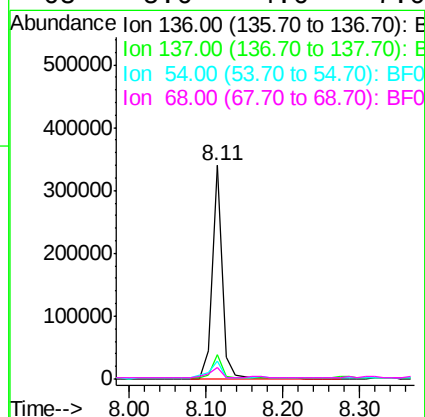
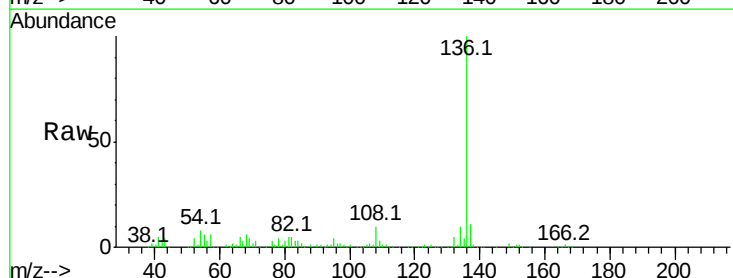
Ion Ratio Lower Upper

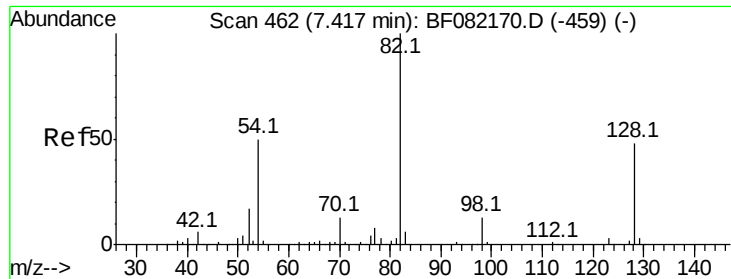
136 100

137 11.3 9.0 13.6

54 8.2 7.5 11.3

68 5.6 4.6 7.0

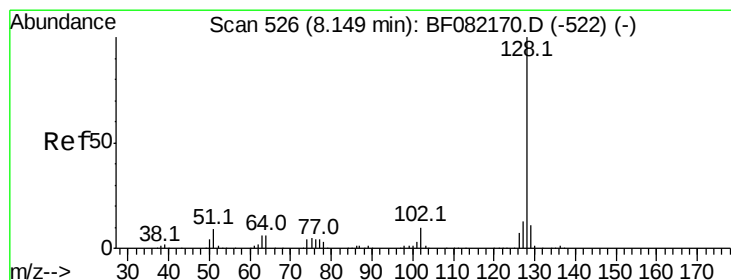
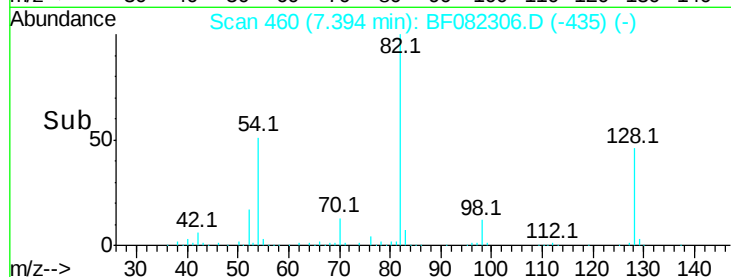
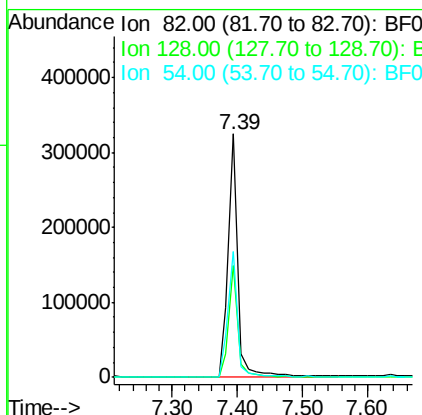
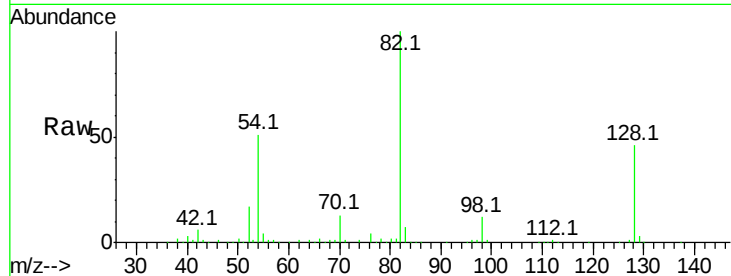




#23
Nitrobenzene-d5
Concen: 76.56 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF082306.D
Acq: 15 Oct 2015 13:44

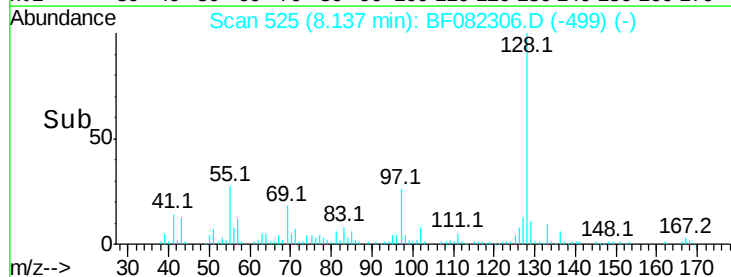
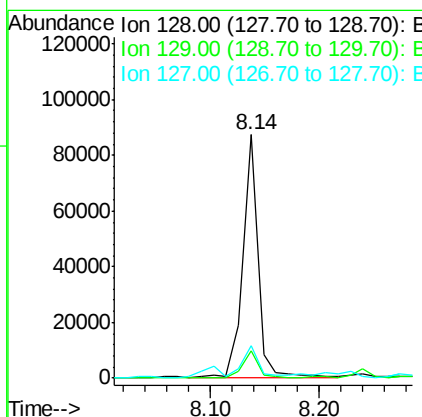
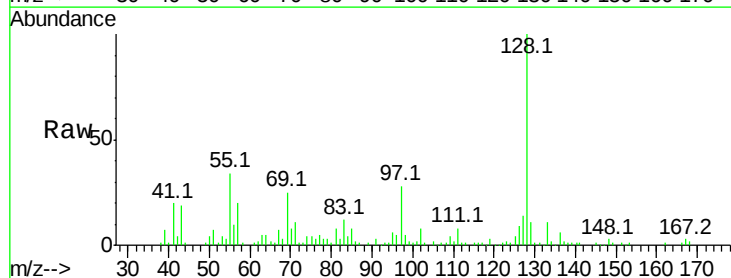
Instrument :
BNA_F
ClientSampled :
CS-9

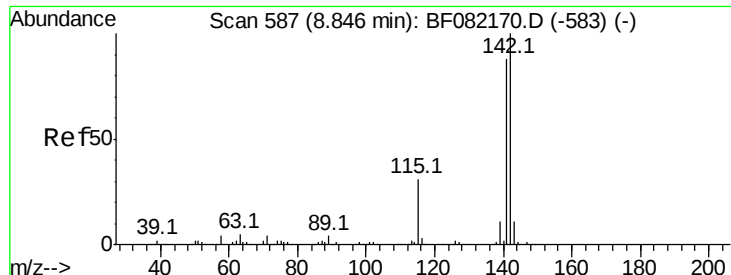
Tot Ion: 82 Resp: 346788
Ion Ratio Lower Upper
82 100
128 45.8 38.7 58.1
54 51.5 40.1 60.1



#31
Naphthalene
Concen: 6.44 ng
RT: 8.14 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF082306.D
Acq: 15 Oct 2015 13:44

Tgt Ion: 128 Resp: 84975
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.6 10.7 16.1

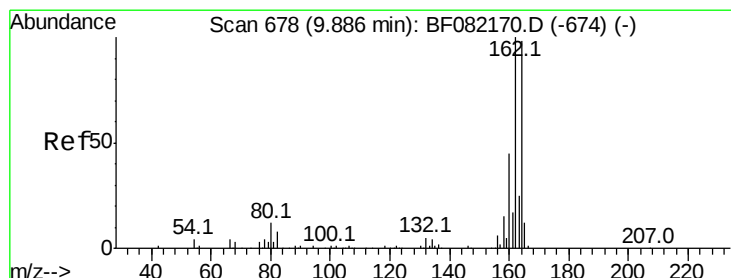
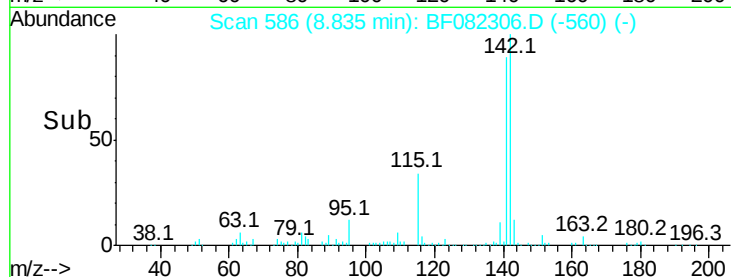
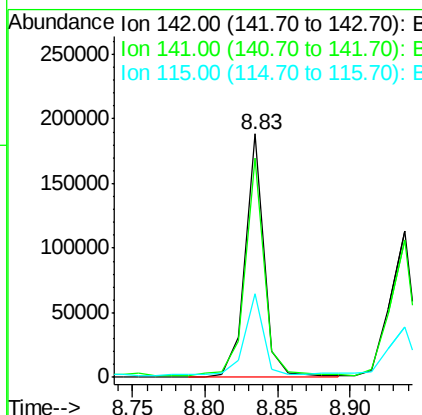
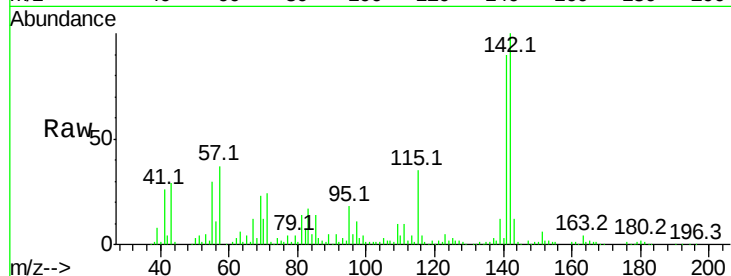




#37
2-Methylnaphthalene
Concen: 18.79 ng
RT: 8.83 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF082306.D
Acq: 15 Oct 2015 13:44

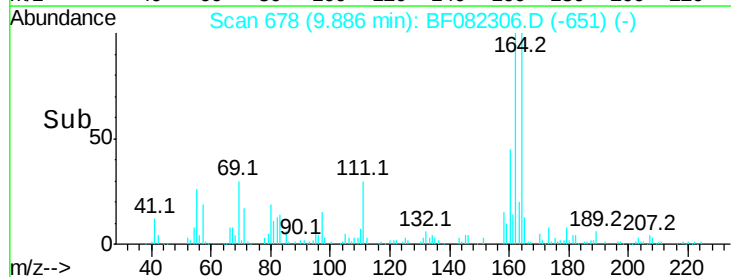
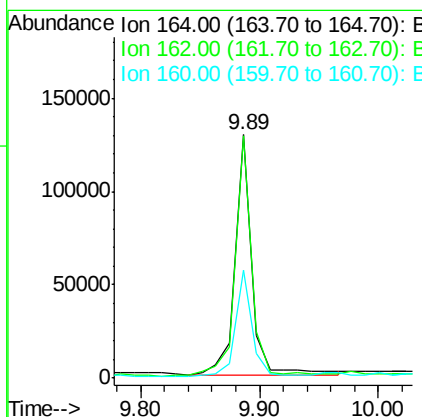
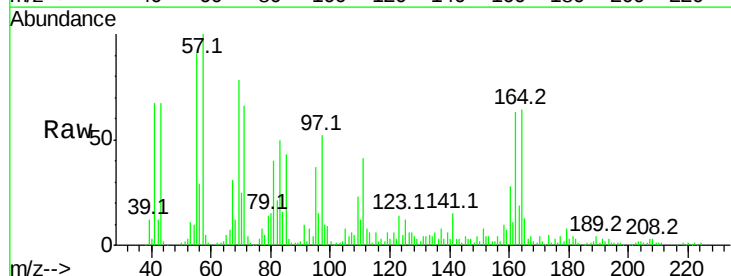
Instrument :
BNA_F
ClientSampleId :
CS-9

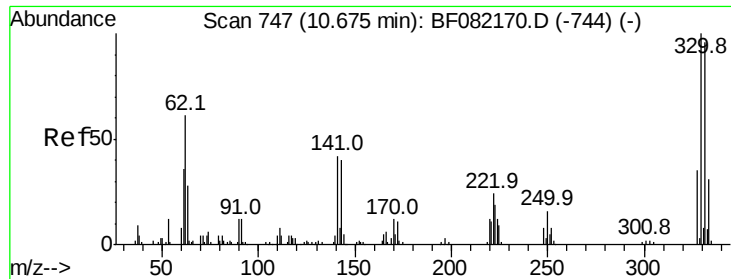
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.4	105.6
115	34.6	24.6	37.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 678
Delta R.T. 0.01 min
Lab File: BF082306.D
Acq: 15 Oct 2015 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.6	122.4
160	44.2	36.4	54.6

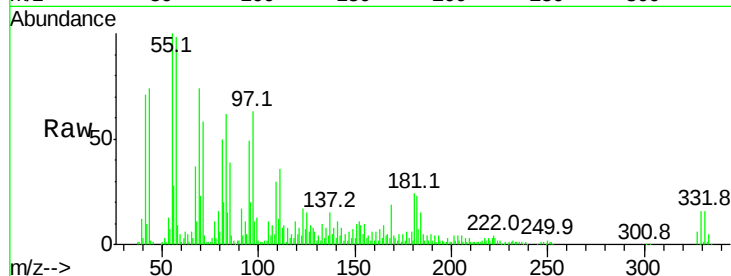




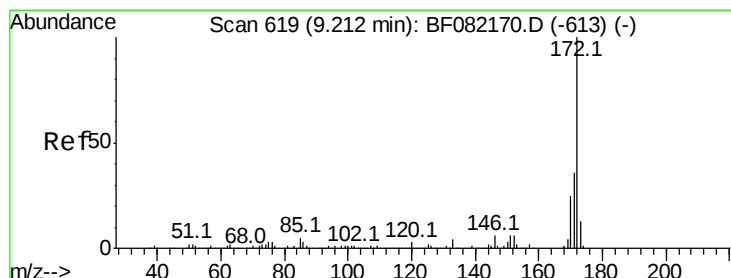
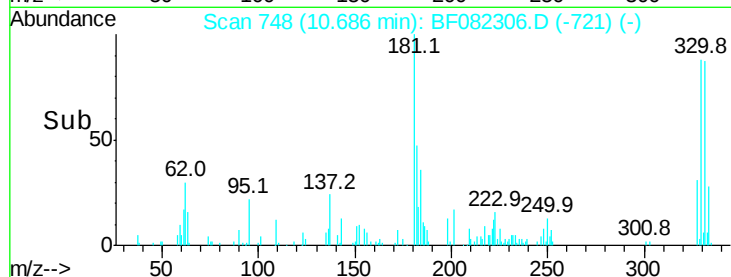
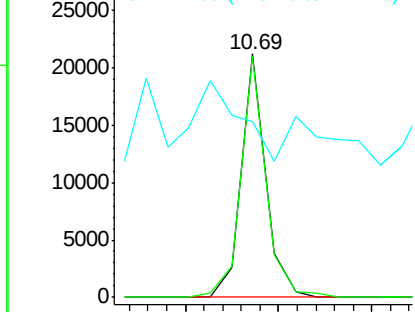
#41
 2,4,6-Tribromophenol
 Concen: 16.11 ng
 RT: 10.69 min Scan# 748
 Delta R.T. 0.01 min
 Lab File: BF082306.D
 Acq: 15 Oct 2015 13:44

Instrument :
 BNA_F
 ClientSampled :
 CS-9

Tot Ion:330 Resp: 19287
 Ion Ratio Lower Upper
 330 100
 332 101.7 77.1 115.7
 141 0.0 29.8 44.8#

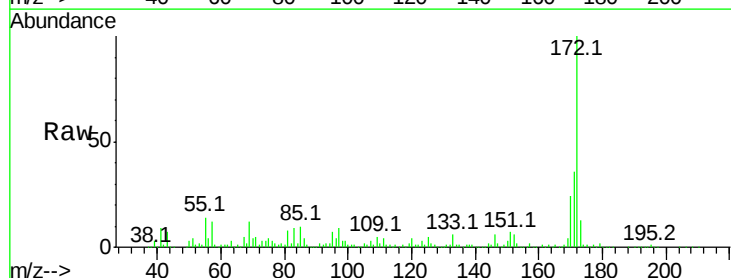


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

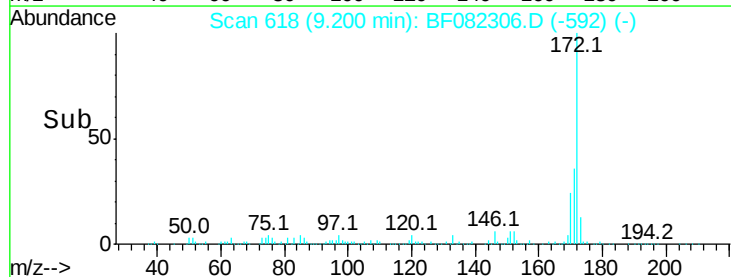
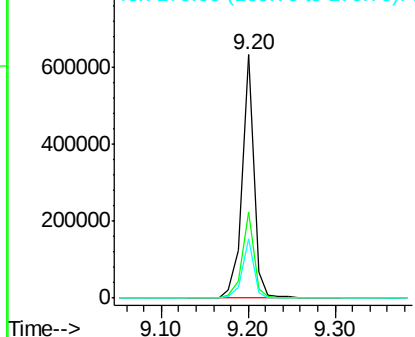


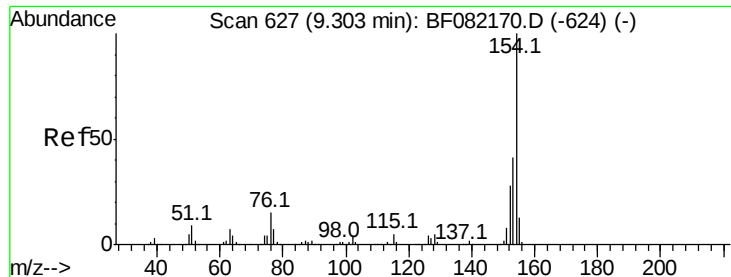
#44
 2-Fluorobiphenyl
 Concen: 77.37 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082306.D
 Acq: 15 Oct 2015 13:44

Tgt Ion:172 Resp: 595683
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 42.8
 170 24.2 19.7 29.5



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





#45

1,1'-Biphenyl

Concen: 5.67 ng

RT: 9.30 min Scan# 627

Delta R.T. 0.00 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampleId :

CS-9

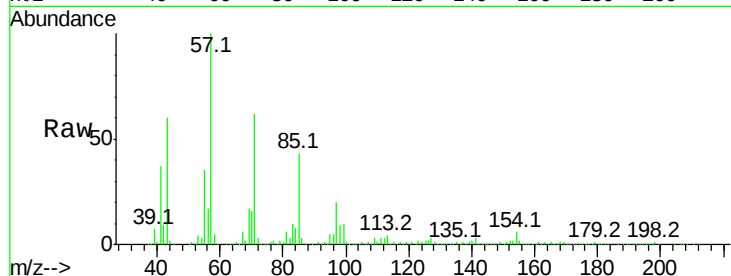
Tot Ion:154 Resp: 55206

Ion Ratio Lower Upper

154 100

153 35.5 20.6 60.6

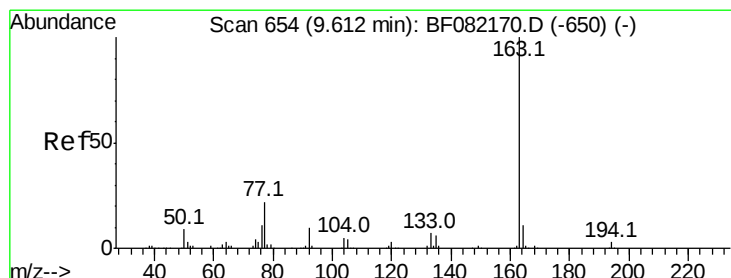
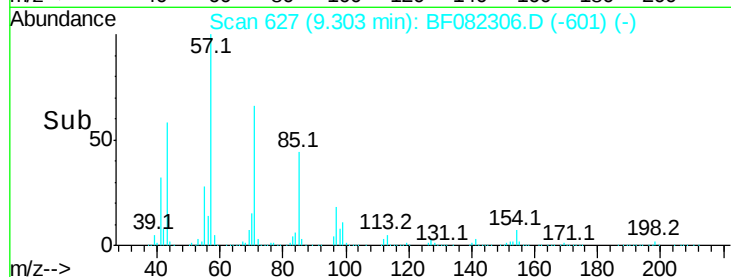
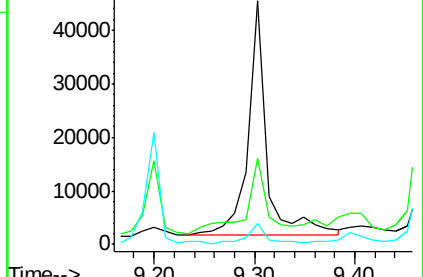
76 8.8 0.0 35.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 13.09 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

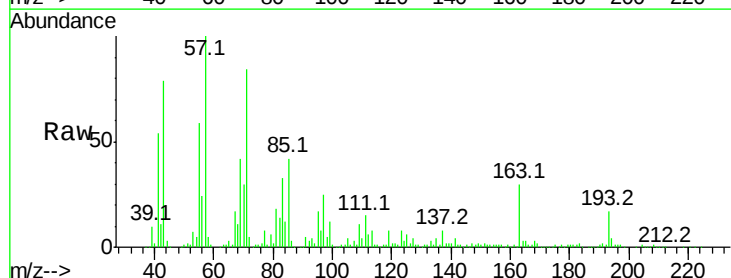
Tgt Ion:163 Resp: 117657

Ion Ratio Lower Upper

163 100

194 14.7 2.6 4.0#

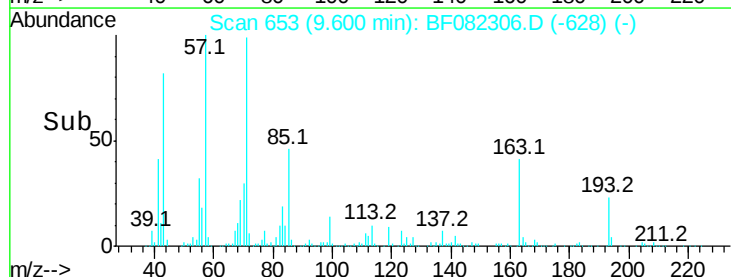
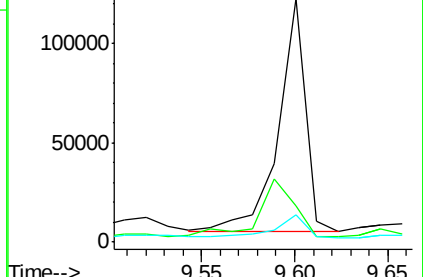
164 11.4 8.5 12.7

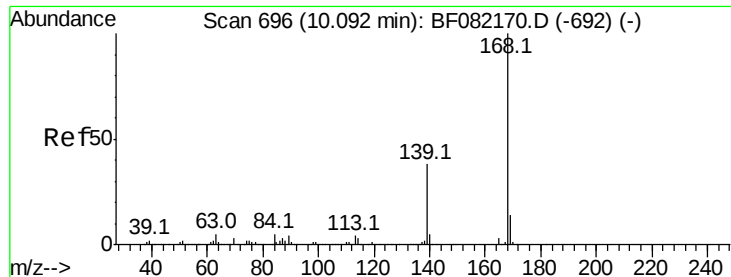


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

Dibenzofuran

Concen: 9.99 ng

RT: 10.09 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampleId :

CS-9

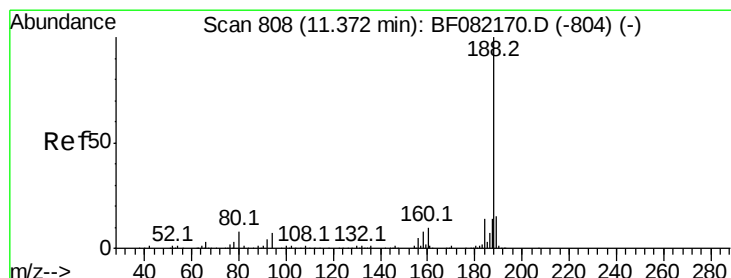
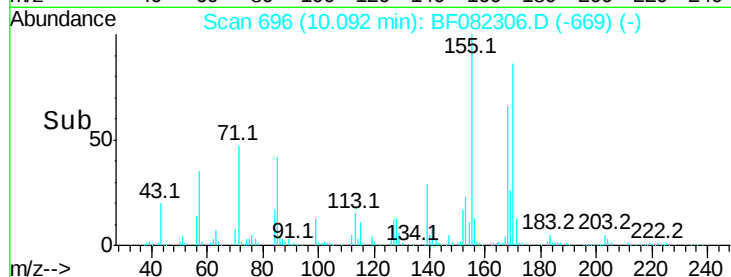
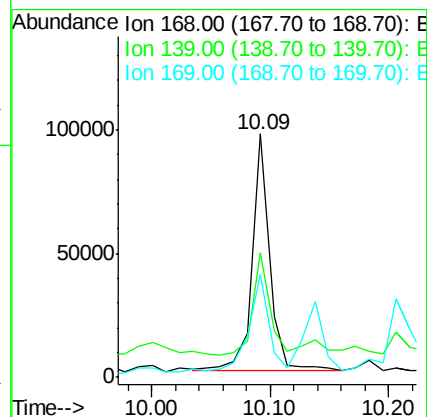
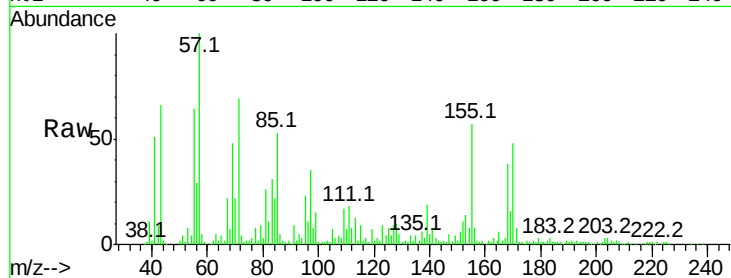
Tot Ion:168 Resp: 98291

Ion Ratio Lower Upper

168 100

139 51.2 31.0 46.6#

169 42.0 10.9 16.3#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 809

Delta R.T. 0.02 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

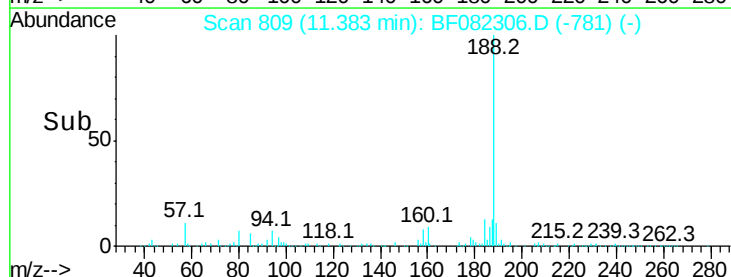
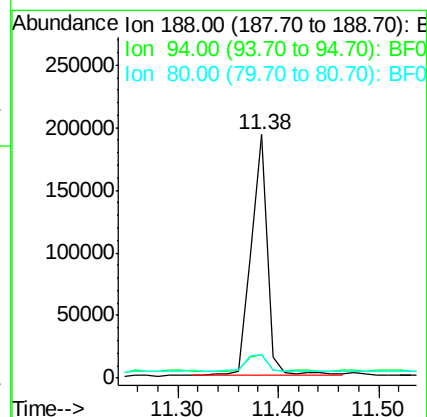
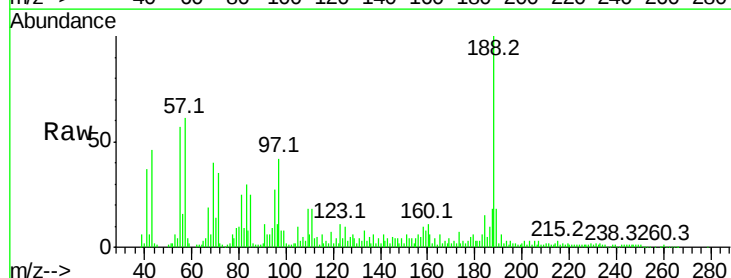
Tgt Ion:188 Resp: 217159

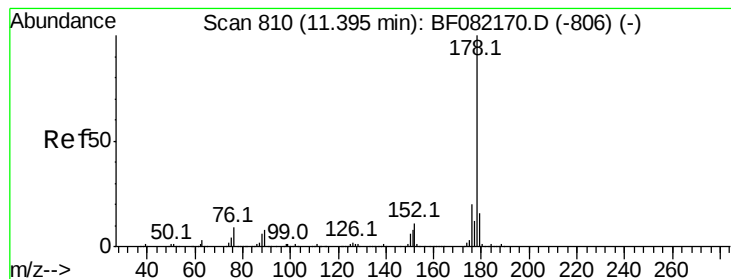
Ion Ratio Lower Upper

188 100

94 9.4 5.8 8.6#

80 9.8 6.4 9.6#





#70

Phenanthrene

Concen: 40.24 ng

RT: 11.41 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampleId :

CS-9

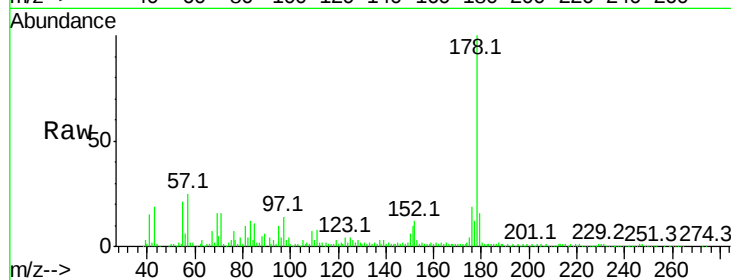
Tot Ion:178 Resp: 428334

Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

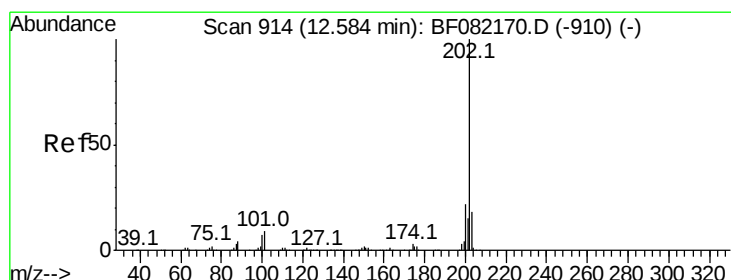
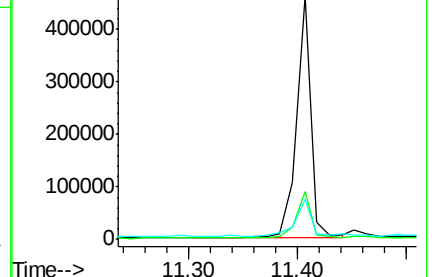
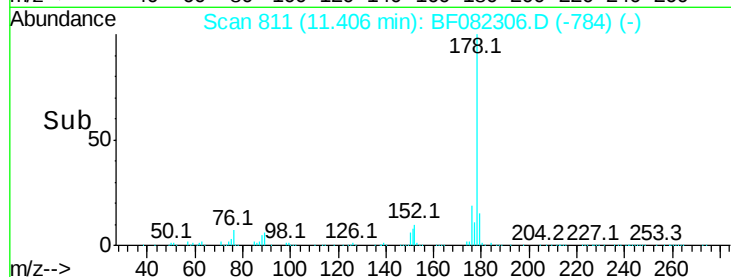
179 16.5 12.6 19.0



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



#74

Fluoranthene

Concen: 16.43 ng

RT: 12.59 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

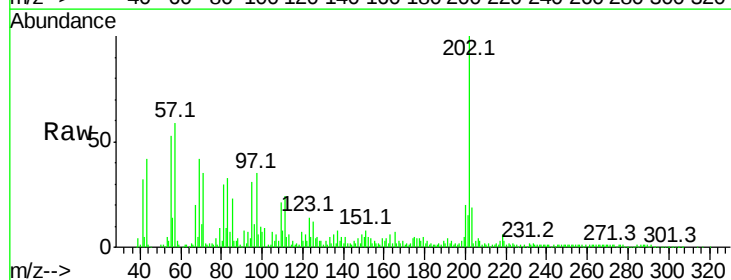
Tgt Ion:202 Resp: 187837

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.3

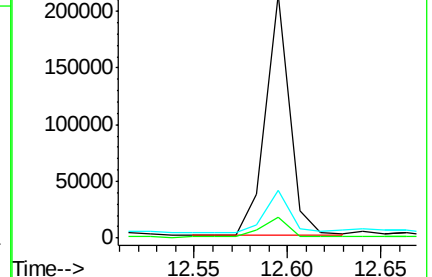
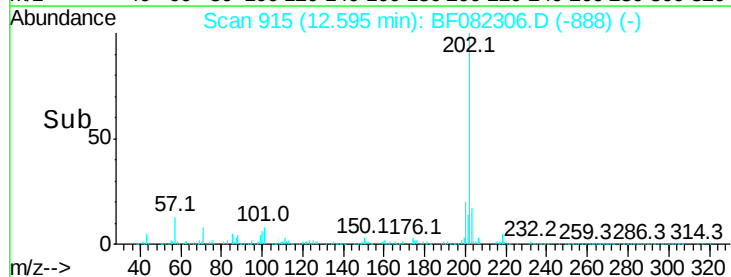
203 19.4 0.0 37.8

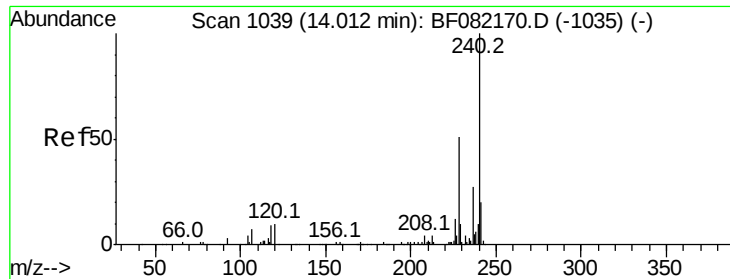


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.09 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampleId :

CS-9

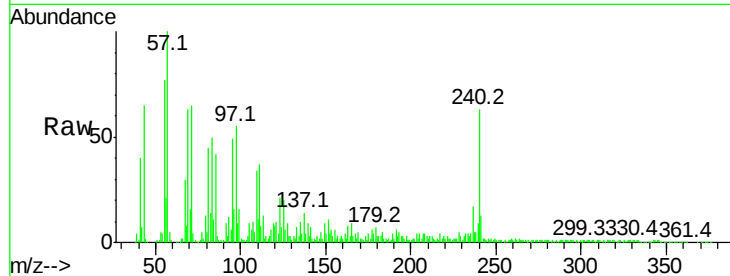
Tot Ion:240 Resp: 154083

Ion Ratio Lower Upper

240 100

120 13.2 8.1 12.1#

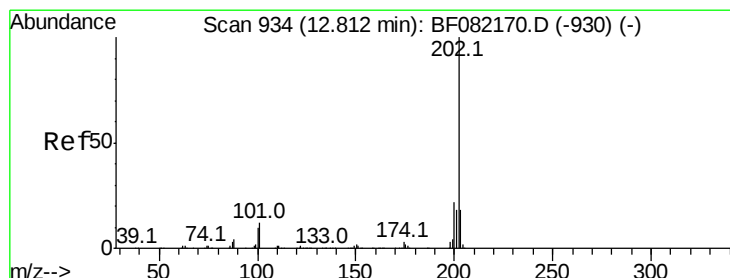
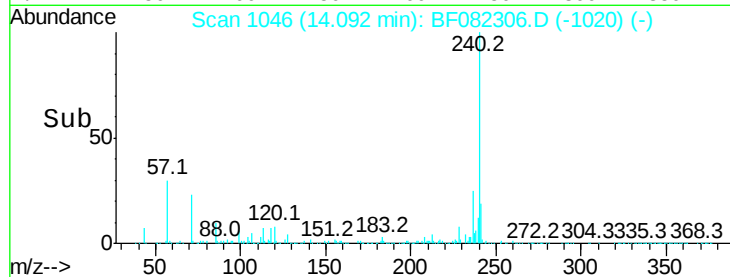
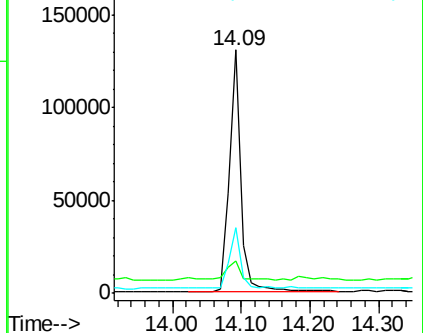
236 27.2 21.3 31.9



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: 14.10 ng

RT: 12.82 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

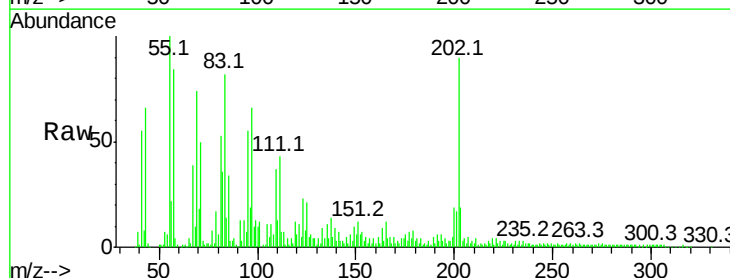
Tgt Ion:202 Resp: 128933

Ion Ratio Lower Upper

202 100

200 21.5 17.9 26.9

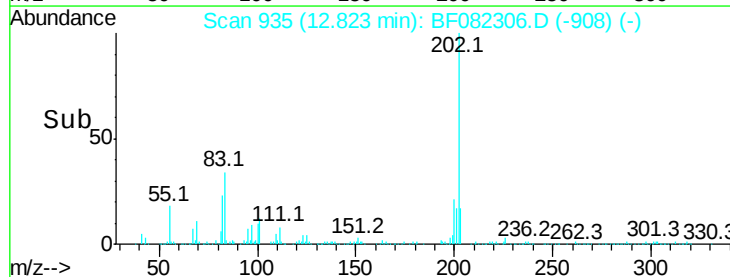
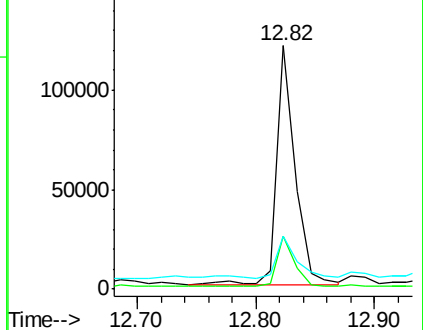
203 21.5 14.5 21.7

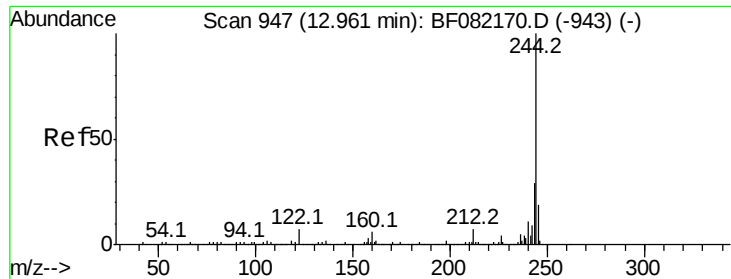


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.30 ng

RT: 12.97 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampleId :

CS-9

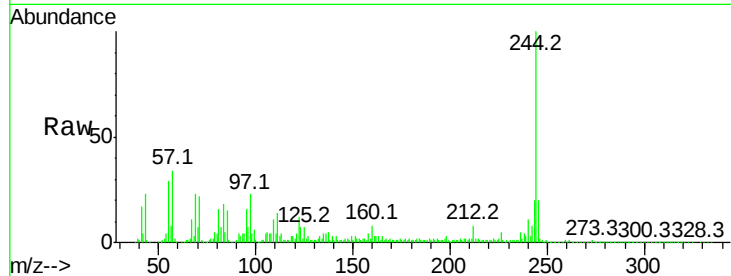
Tot Ion:244 Resp: 437829

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

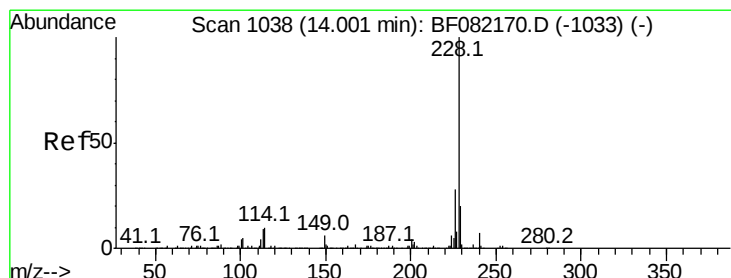
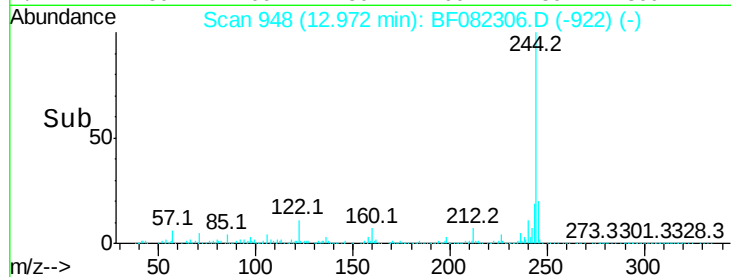
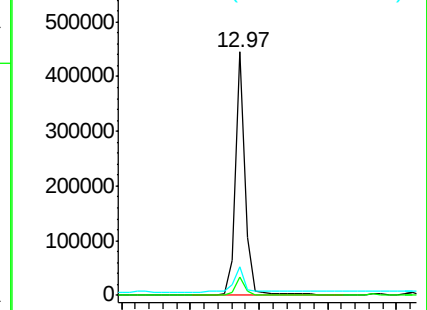
122 11.9 5.9 8.9#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.96 ng

RT: 14.08 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

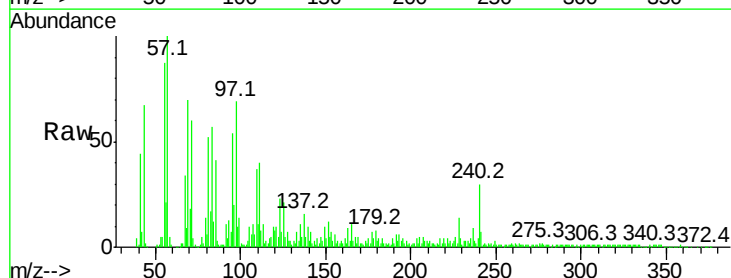
Tgt Ion:228 Resp: 31783

Ion Ratio Lower Upper

228 100

226 34.4 22.3 33.5#

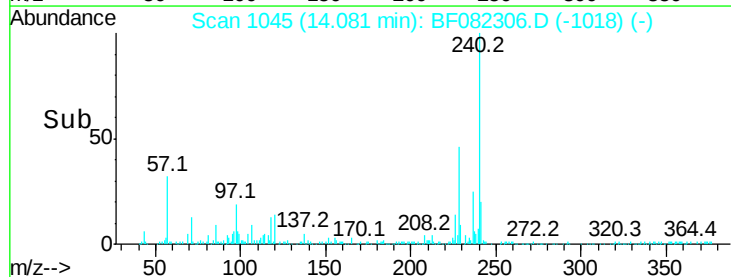
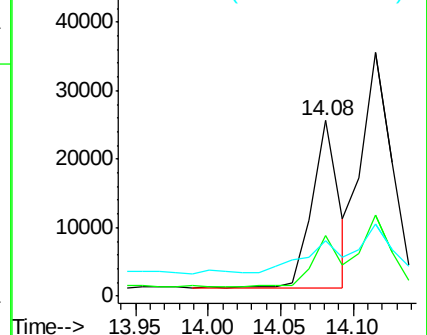
229 31.6 16.2 24.2#

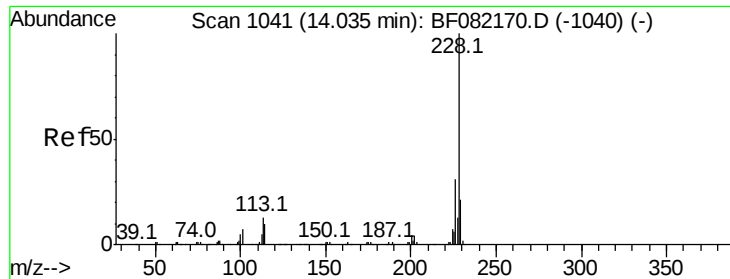


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.92 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampled :

CS-9

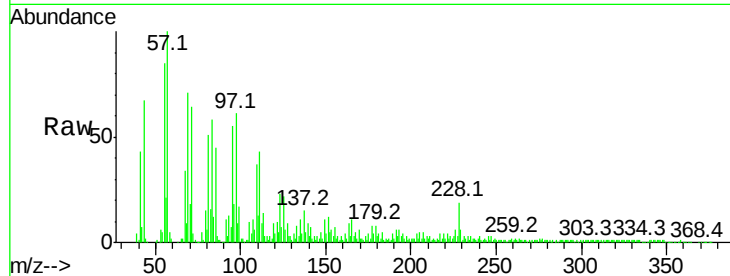
Tot Ion:228 Resp: 49974

Ion Ratio Lower Upper

228 100

226 33.6 24.4 36.6

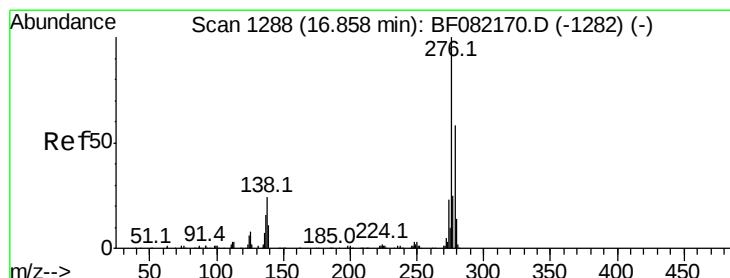
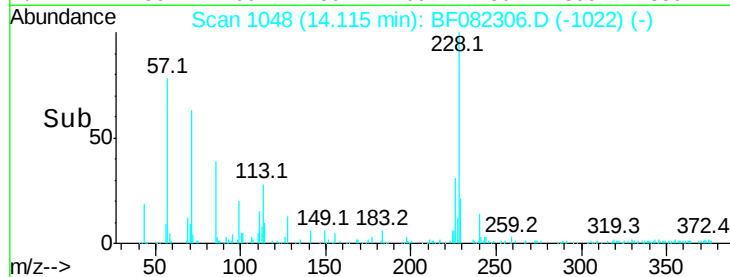
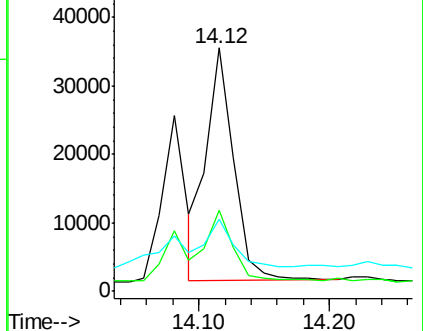
229 29.6 16.3 24.5#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.94 ng

RT: 17.13 min Scan# 1312

Delta R.T. 0.02 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

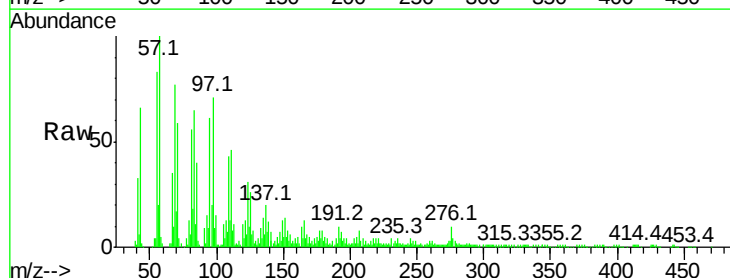
Tgt Ion:276 Resp: 19720

Ion Ratio Lower Upper

276 100

138 25.7 19.7 29.5

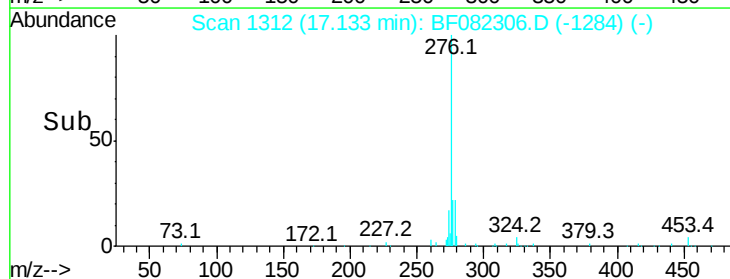
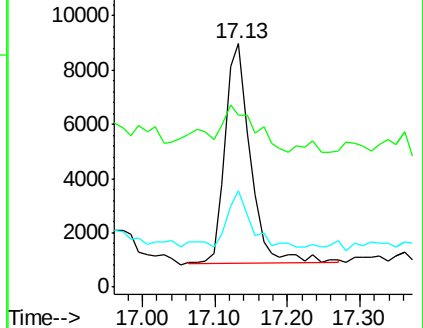
277 23.5 20.1 30.1

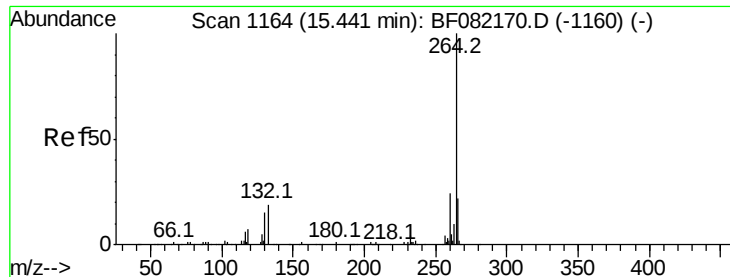


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.67 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

Instrument :

BNA_F

ClientSampleId :

CS-9

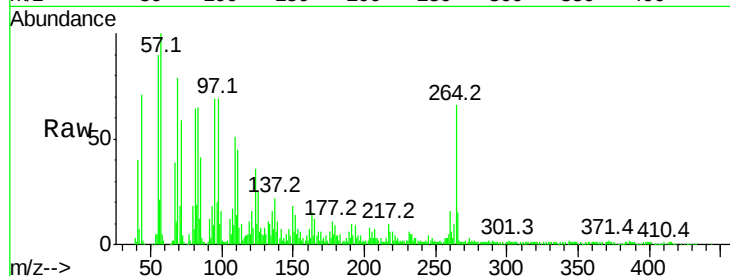
Tot Ion:264 Resp: 152448

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

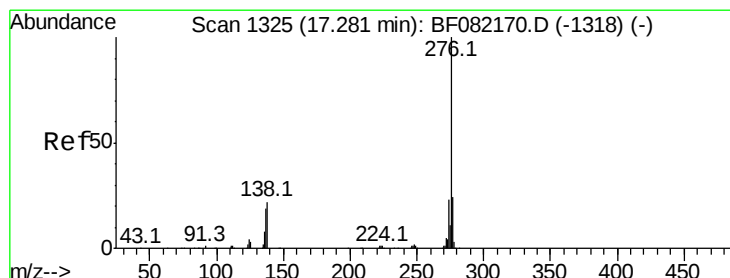
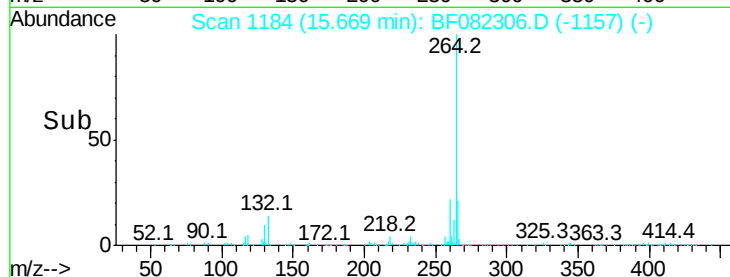
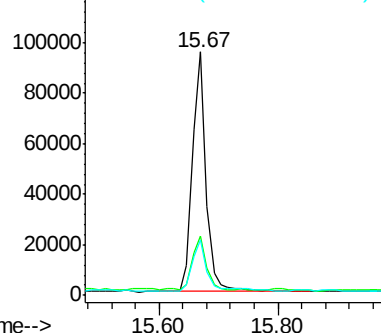
265 22.5 17.3 25.9



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(g,h,i)perylene

Concen: 2.65 ng

RT: 17.57 min Scan# 1350

Delta R.T. 0.02 min

Lab File: BF082306.D

Acq: 15 Oct 2015 13:44

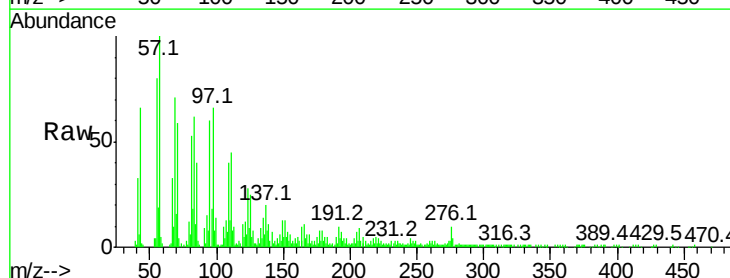
Tgt Ion:276 Resp: 16839

Ion Ratio Lower Upper

276 100

277 36.1 18.8 28.2#

138 76.4 17.4 26.2#



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

