

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
 Data File : BF087853.D
 Acq On : 9 Jun 2016 15:33
 Operator : UM/SJ
 Sample : H3399-11 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-31

Quant Time: Jun 09 16:17:32 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

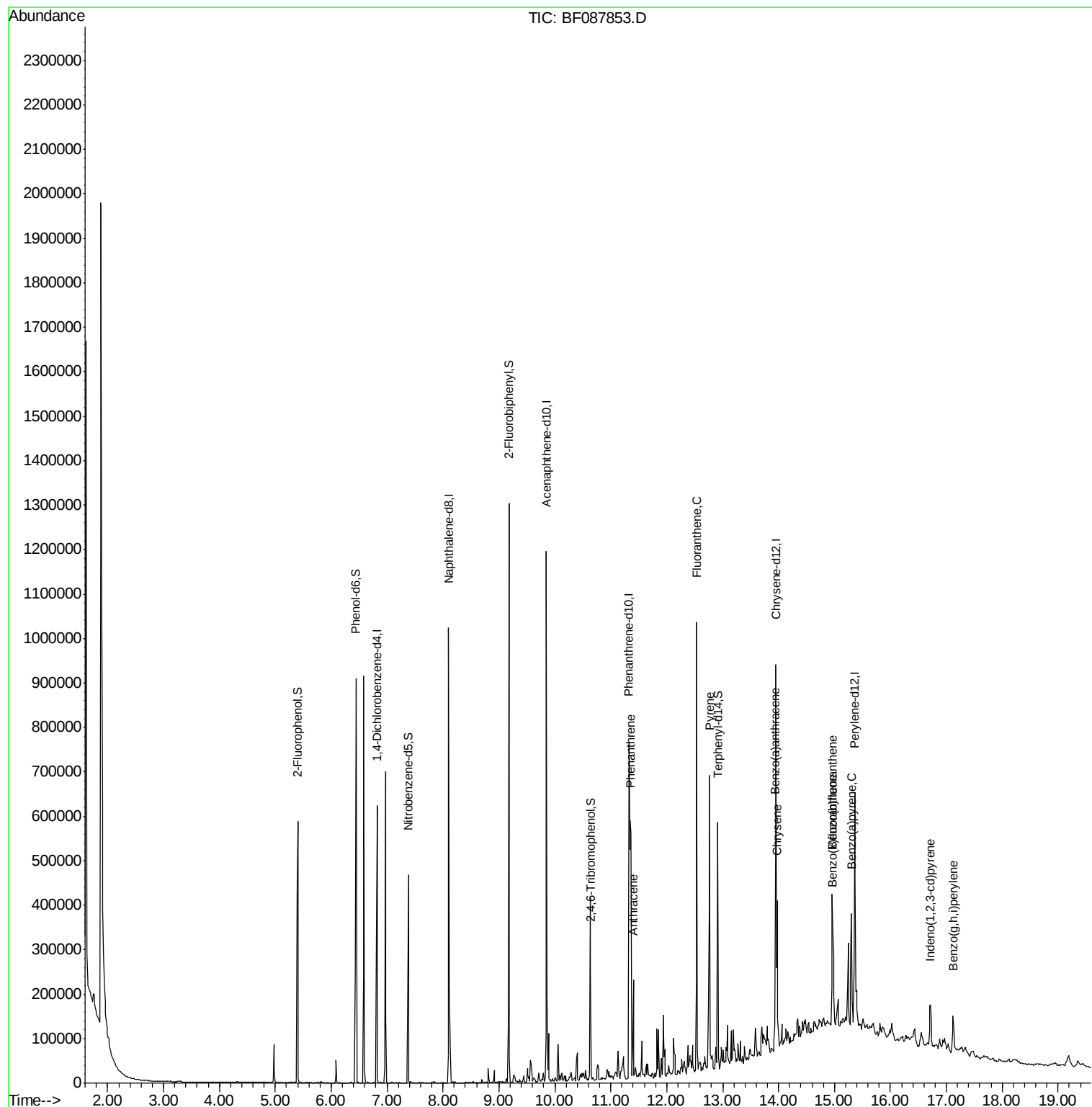
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	121011	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	447657	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	215678	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	353484	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	223811	20.00	ng	-0.03
86) Perylene-d12	15.36	264	253179	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	225624	31.87	ng	-0.02
7) Phenol-d6	6.44	99	313704	36.57	ng	-0.03
23) Nitrobenzene-d5	7.38	82	167972	21.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	56999	25.03	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	359876	22.12	ng	-0.03
78) Terphenyl-d14	12.91	244	223293	22.70	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.36	178	334054	18.01	ng	97
71) Anthracene	11.40	178	91574	4.89	ng	97
74) Fluoranthene	12.54	202	372355	19.02	ng	98
77) Pyrene	12.76	202	304732	18.35	ng	98
80) Benzo(a)anthracene	13.94	228	149002	11.68	ng	100
82) Chrysene	13.98	228	99622	8.30	ng	96
85) Indeno(1,2,3-cd)pyrene	16.71	276	65060	5.84	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	146294m	8.29	ng	
88) Benzo(k)fluoranthene	14.97	252	65944m	4.95	ng	
89) Benzo(a)pyrene	15.30	252	114483	8.02	ng	96
91) Benzo(g,h,i)perylene	17.12	276	59904	4.39	ng	97

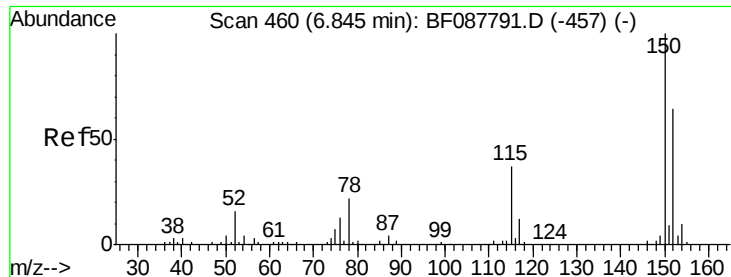
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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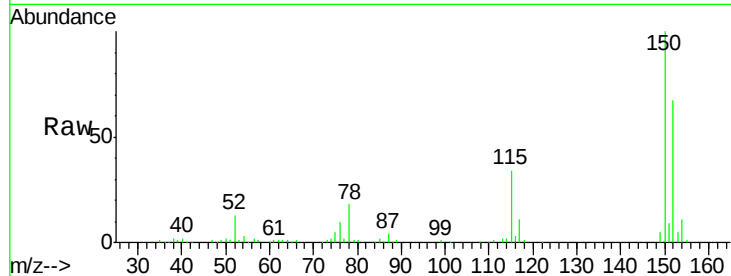


#1

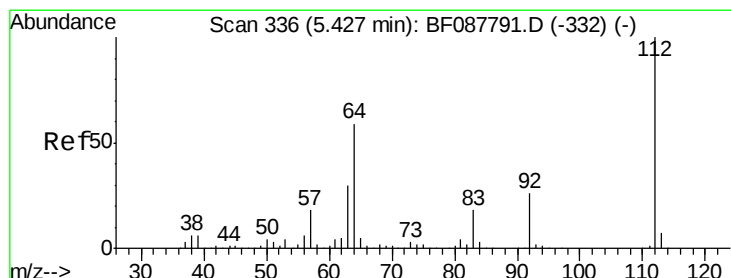
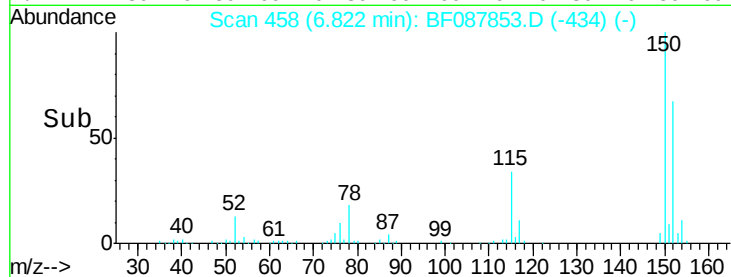
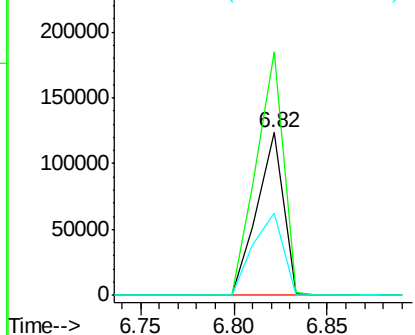
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087853.D
Acq: 9 Jun 2016 15:33

Instrument :
BNA_F
ClientSampleId :
SS-31

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	123.8	185.6
115	50.9	39.6	59.4



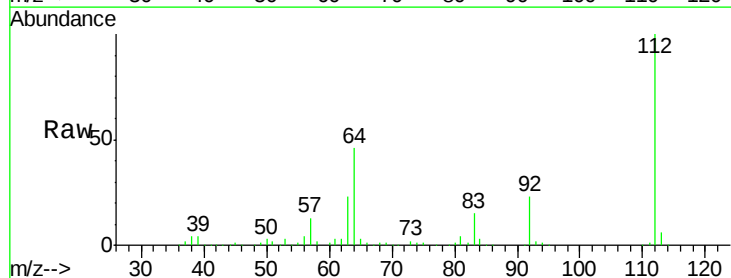
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



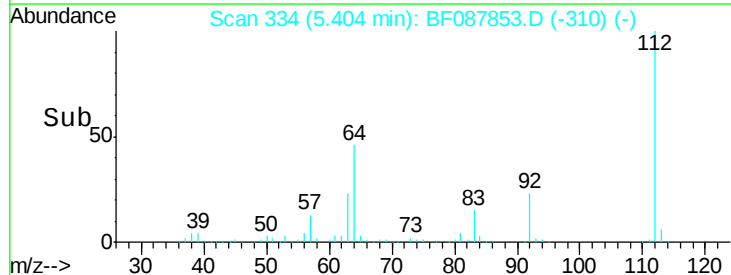
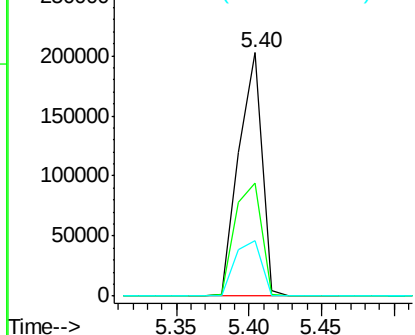
#5

2-Fluorophenol
Concen: 31.87 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087853.D
Acq: 9 Jun 2016 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.3	42.2	63.2
63	22.9	21.8	32.8



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: 36.57 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

SS-31

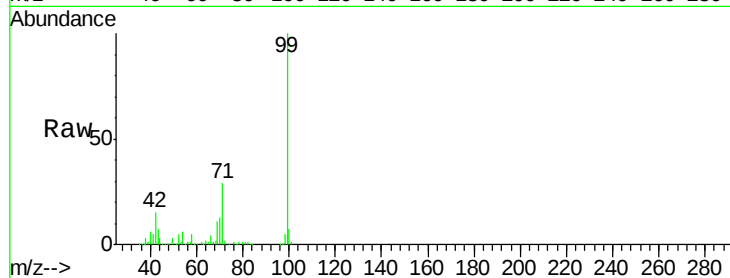
Tot Ion: 99 Resp: 313704

Ion Ratio Lower Upper

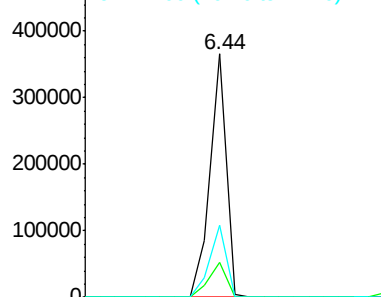
99 100

42 14.6 12.2 18.2

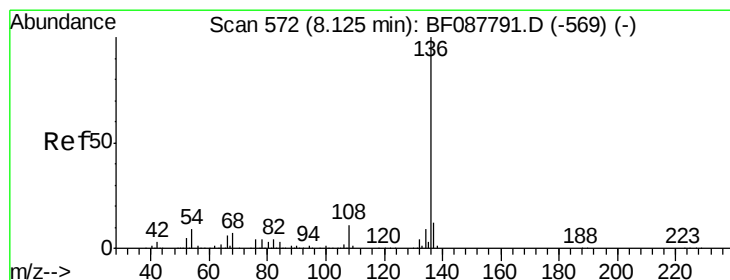
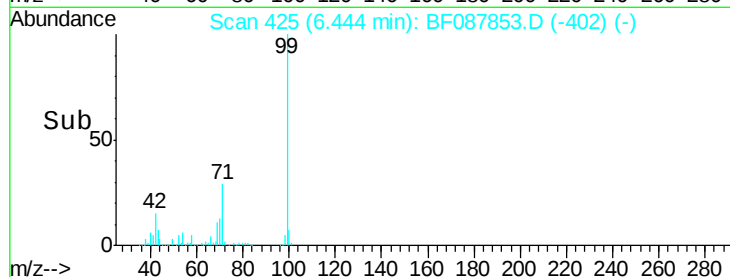
71 29.4 23.4 35.0



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



Time--> 6.35 6.40 6.45 6.50 6.55



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Tgt Ion: 136 Resp: 447657

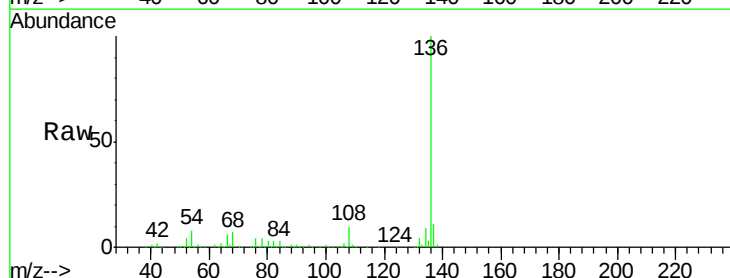
Ion Ratio Lower Upper

136 100

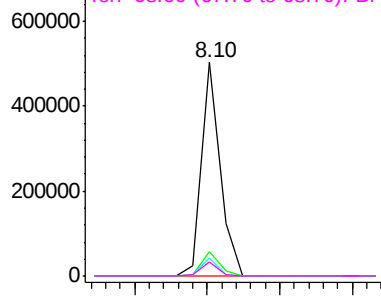
137 11.4 9.1 13.7

54 8.4 6.6 10.0

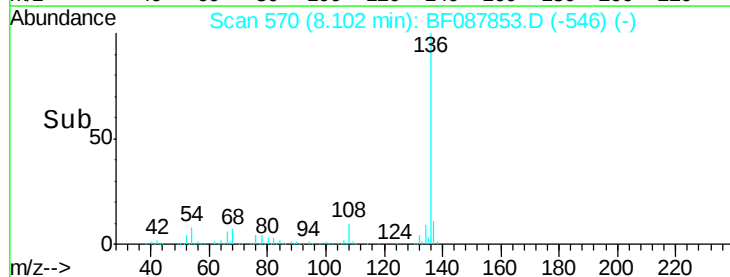
68 6.7 5.1 7.7



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



Time--> 8.05 8.10 8.15 8.20





#23

Nitrobenzene-d5

Concen: 21.91 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampled :

SS-31

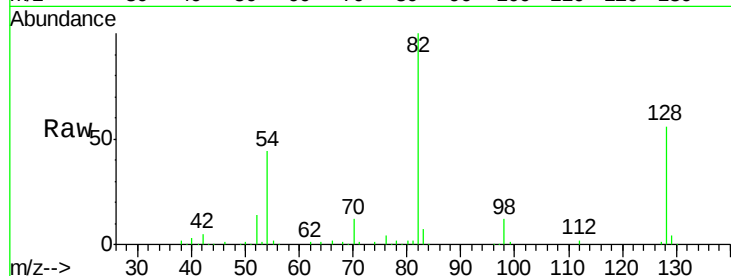
Tot Ion: 82 Resp: 167972

Ion Ratio Lower Upper

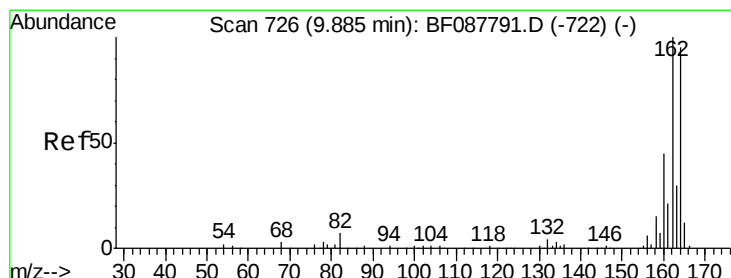
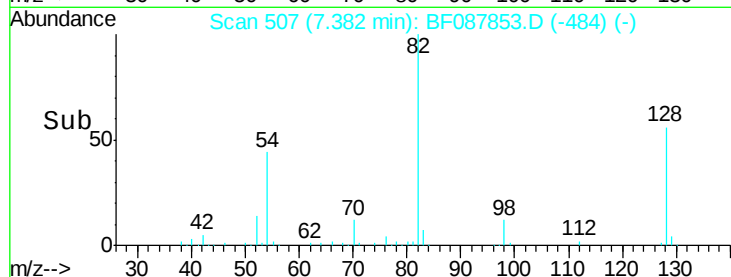
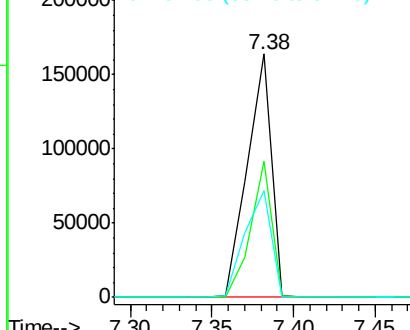
82 100

128 55.7 35.9 53.9#

54 43.6 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

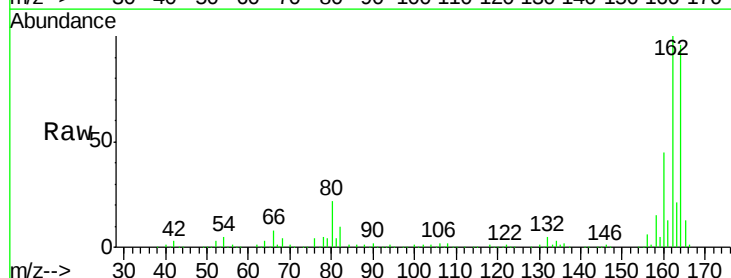
Tgt Ion:164 Resp: 215678

Ion Ratio Lower Upper

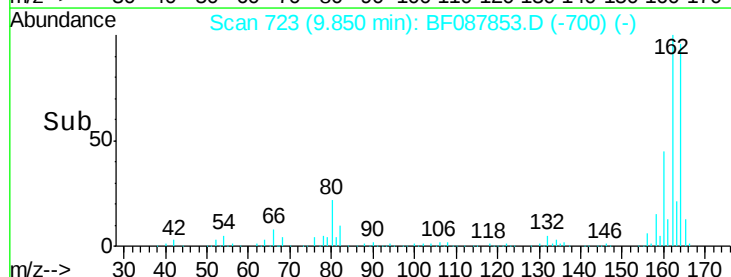
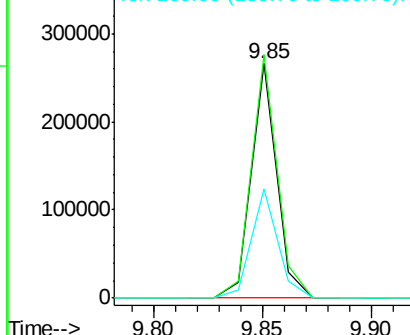
164 100

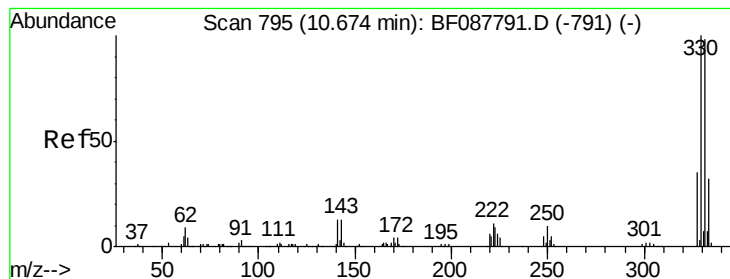
162 103.9 85.4 128.2

160 46.4 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

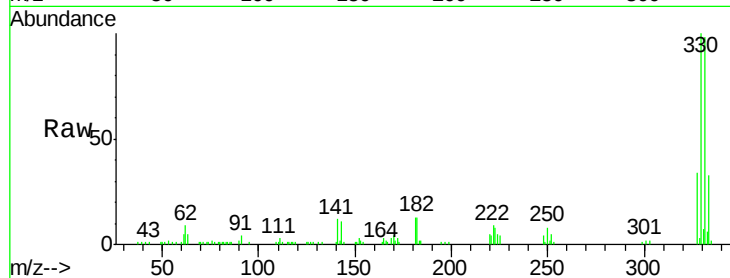




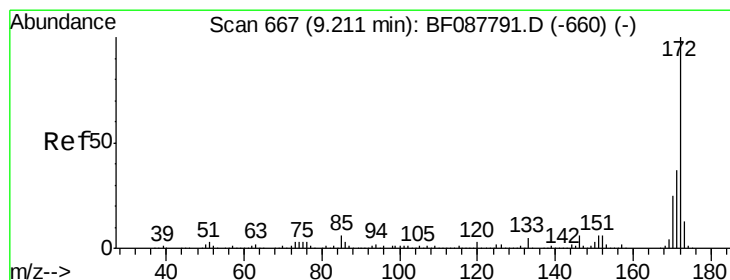
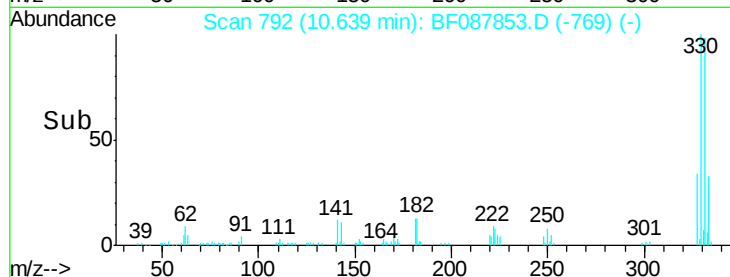
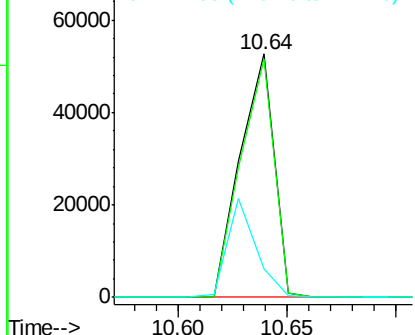
#41
 2,4,6-Tribromophenol
 Concen: 25.03 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087853.D
 Acq: 9 Jun 2016 15:33

Instrument :
 BNA_F
 ClientSampleId :
 SS-31

Tot Ion:330 Resp: 56999
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 34.4 0.0 0.0#

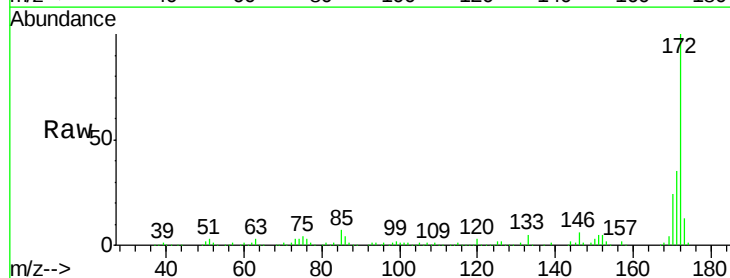


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

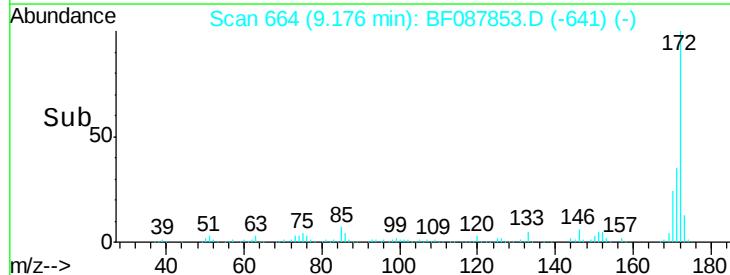
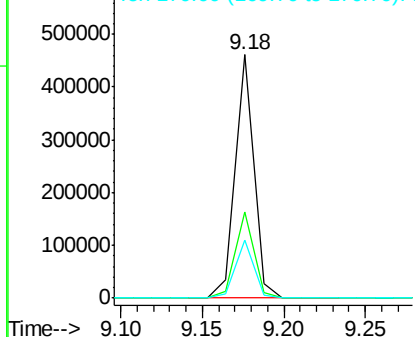


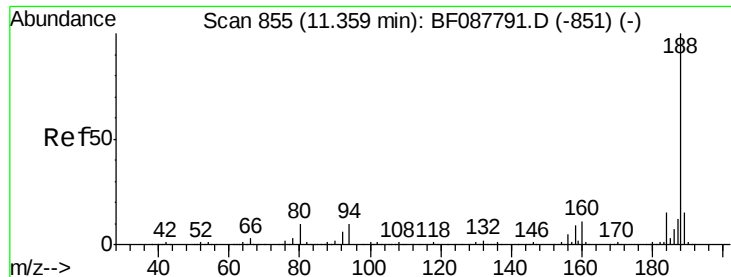
#44
 2-Fluorobiphenyl
 Concen: 22.12 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087853.D
 Acq: 9 Jun 2016 15:33

Tgt Ion:172 Resp: 359876
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.7 19.2 28.8



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

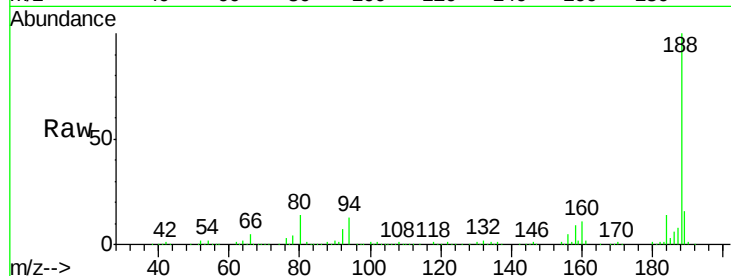




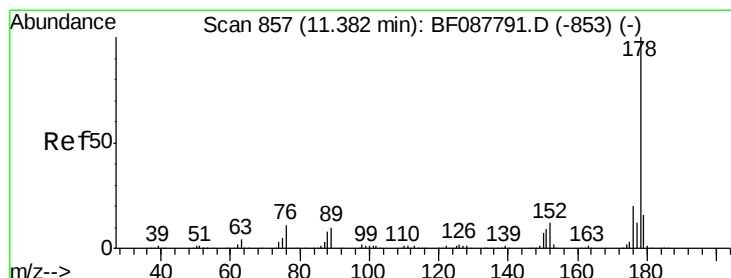
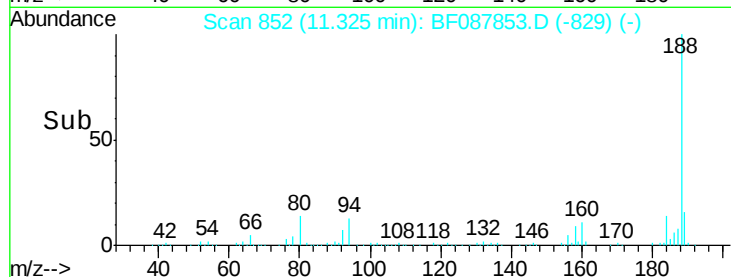
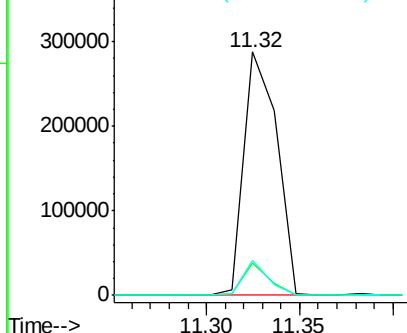
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087853.D
Acq: 9 Jun 2016 15:33

Instrument :
BNA_F
ClientSampled :
SS-31

Tot Ion:188 Resp: 353484
Ion Ratio Lower Upper
188 100
94 13.4 9.0 13.6
80 14.3 10.0 15.0

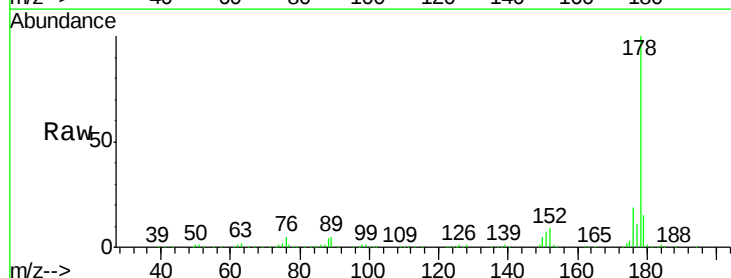


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

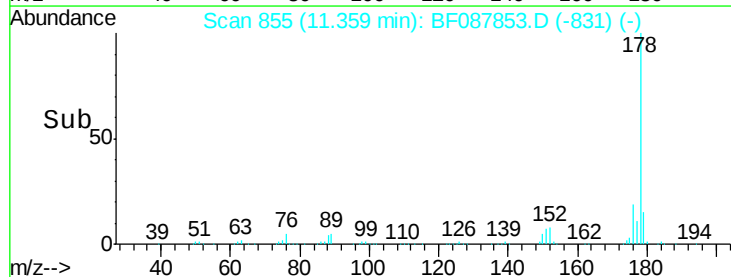
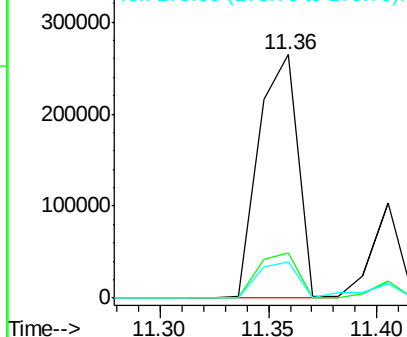


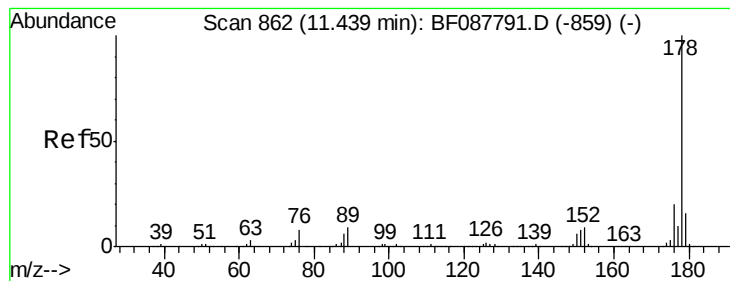
#70
Phenanthrene
Concen: 18.01 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.02 min
Lab File: BF087853.D
Acq: 9 Jun 2016 15:33

Tgt Ion:178 Resp: 334054
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.0 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





#71

Anthracene

Concen: 4.89 ng

RT: 11.40 min Scan# 859

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

SS-31

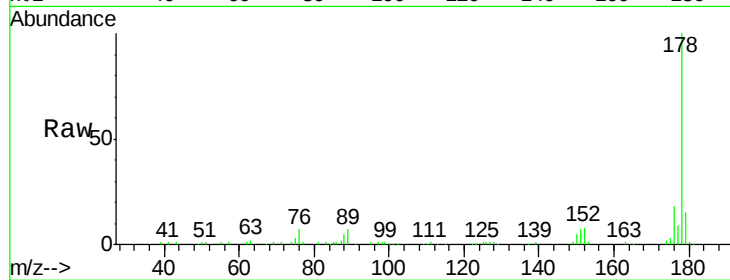
Tot Ion:178 Resp: 91574

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

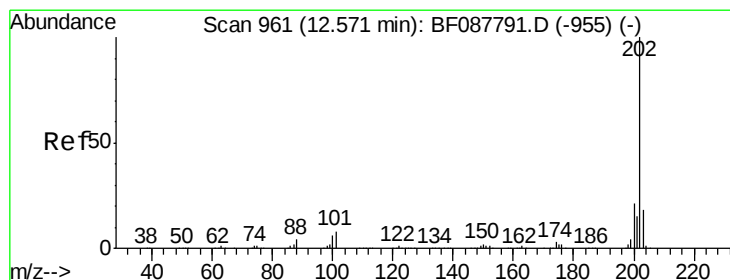
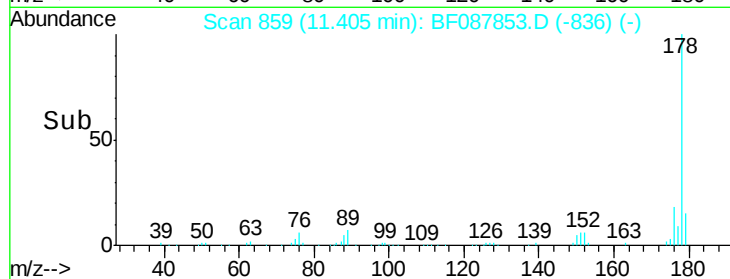
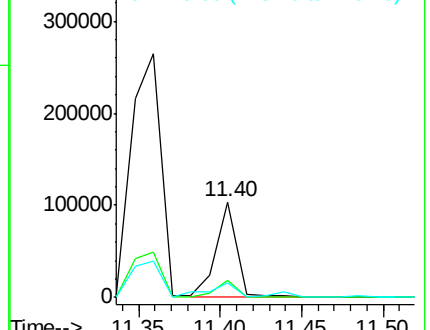
179 14.9 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 19.02 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

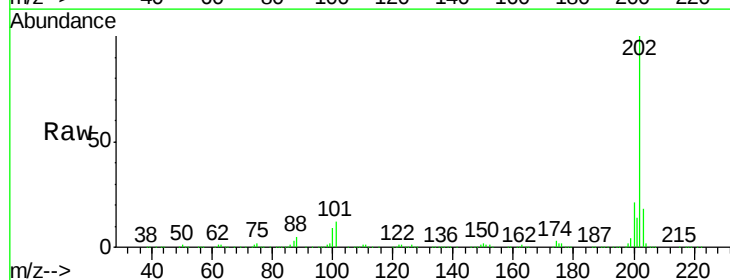
Tgt Ion:202 Resp: 372355

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.1

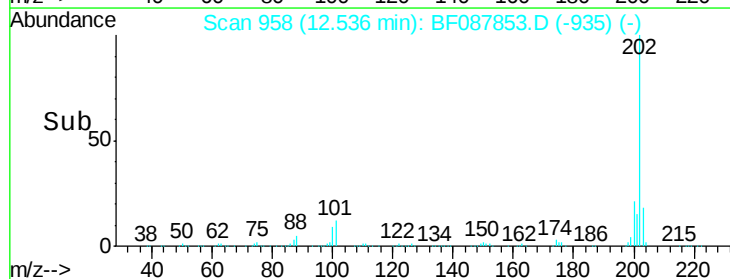
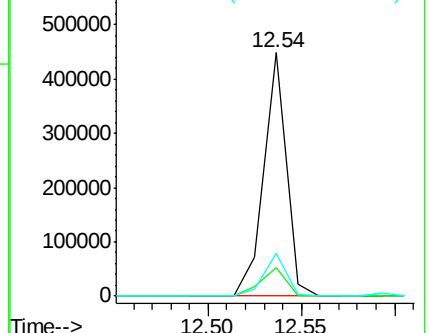
203 17.8 0.0 38.1

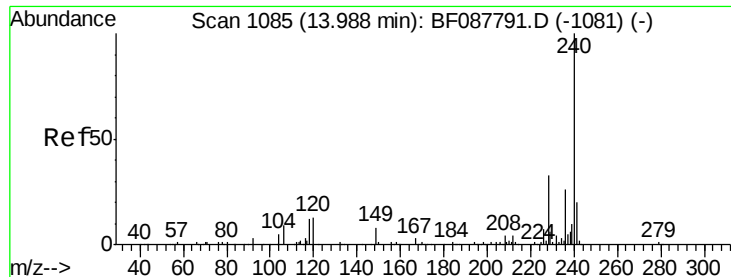


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

SS-31

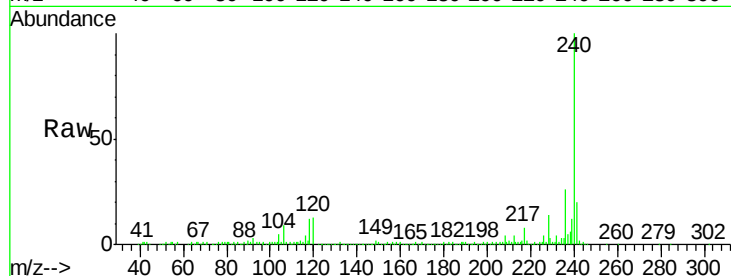
Tot Ion:240 Resp: 223811

Ion Ratio Lower Upper

240 100

120 13.4 6.8 10.2#

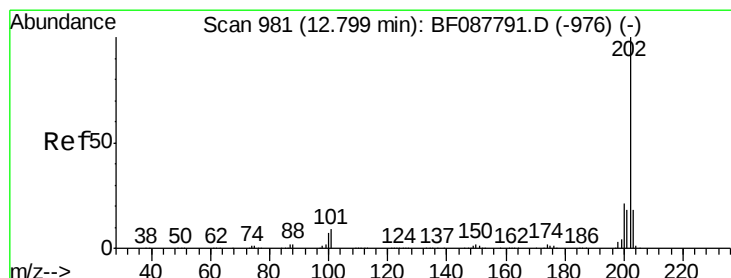
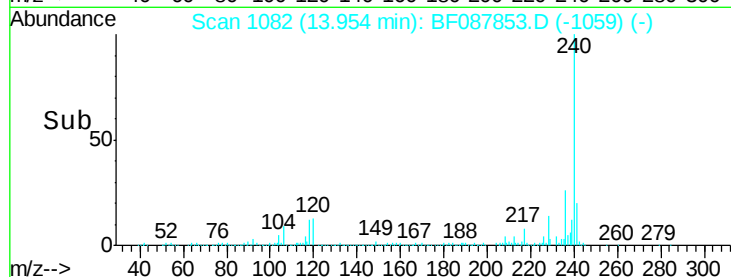
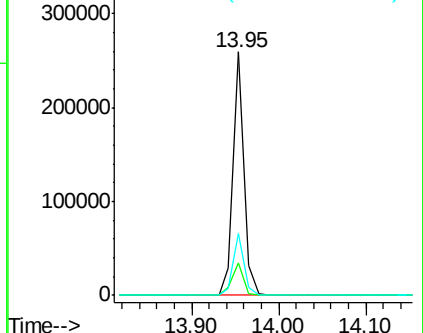
236 25.6 20.2 30.2



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: 18.35 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

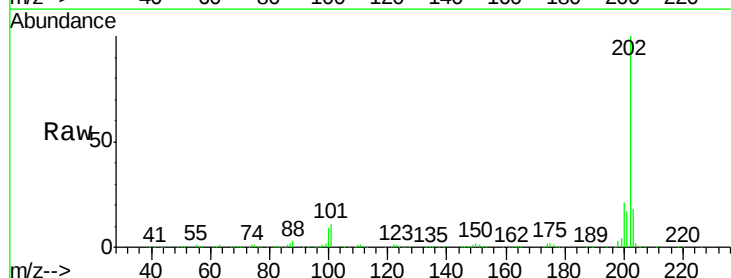
Tgt Ion:202 Resp: 304732

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

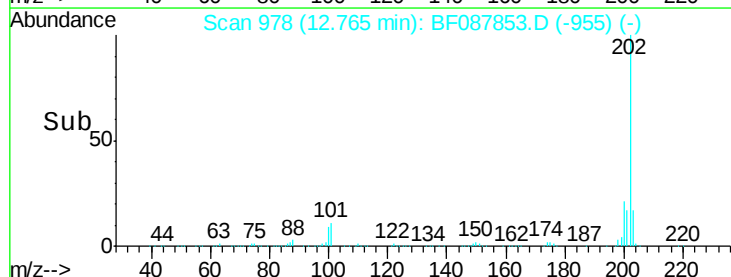
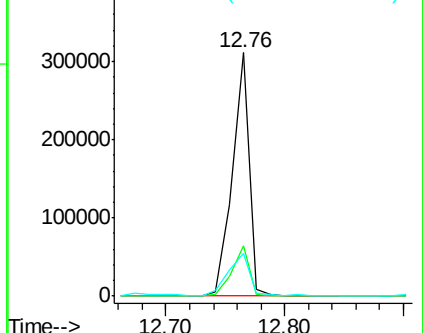
203 17.5 14.5 21.7

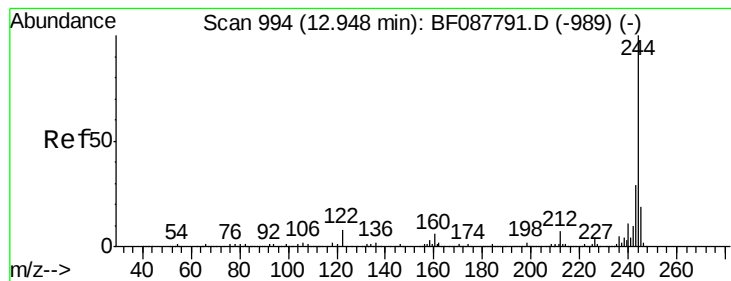


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 22.70 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

SS-31

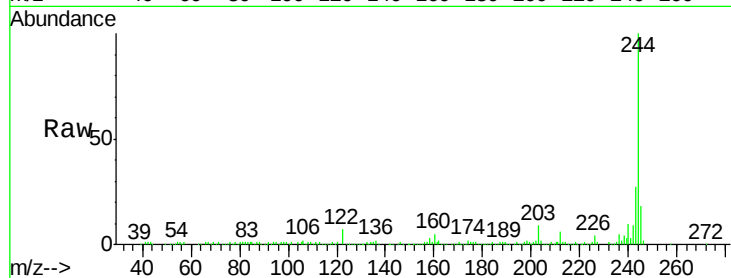
Tot Ion:244 Resp: 223293

Ion Ratio Lower Upper

244 100

212 6.0 6.0 9.0#

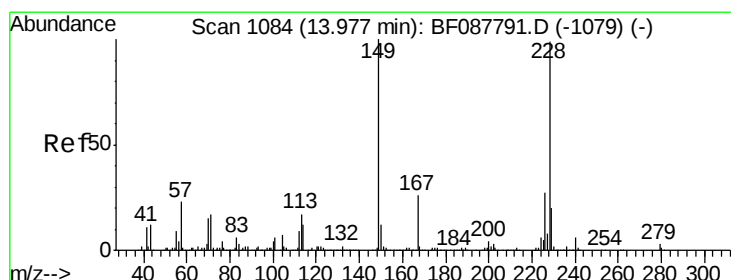
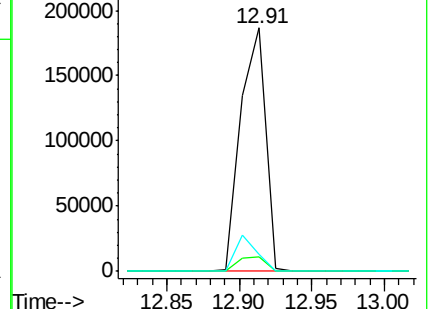
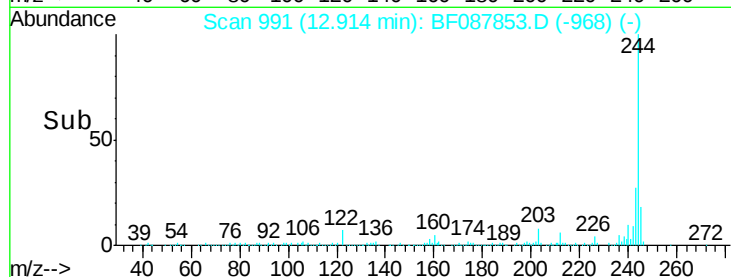
122 6.9 11.2 16.8#



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: 11.68 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

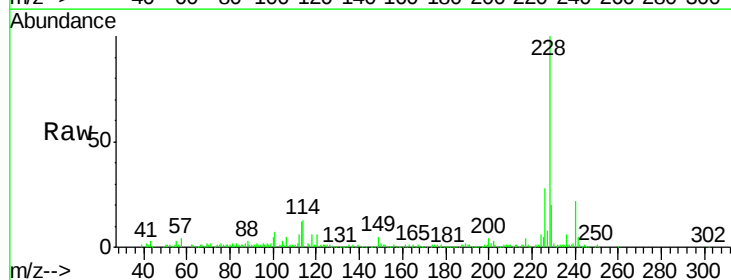
Tgt Ion:228 Resp: 149002

Ion Ratio Lower Upper

228 100

226 27.6 22.3 33.5

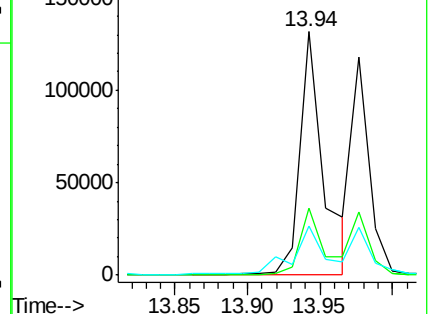
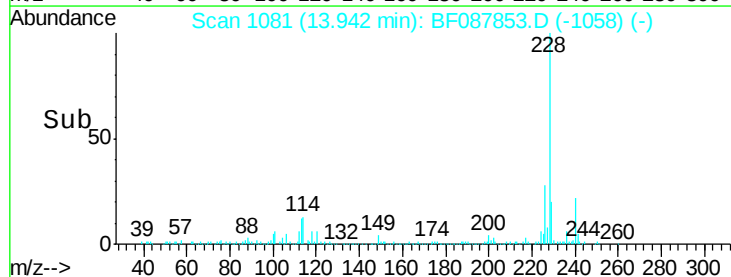
229 20.2 16.0 24.0

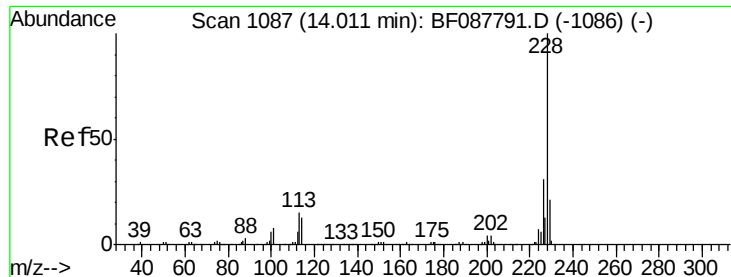


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.30 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

SS-31

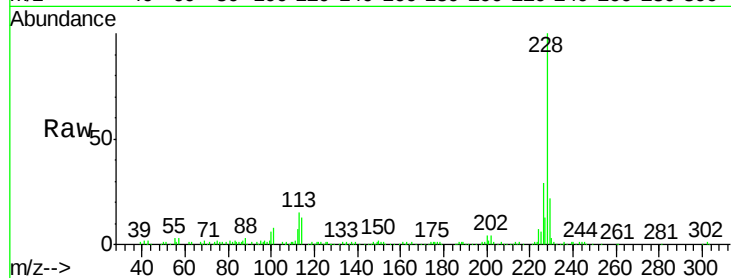
Tot Ion:228 Resp: 99622

Ion Ratio Lower Upper

228 100

226 29.3 25.4 38.2

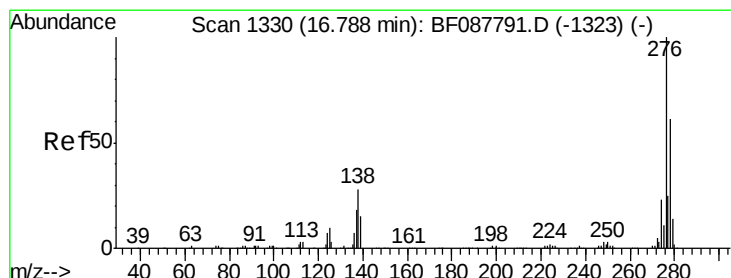
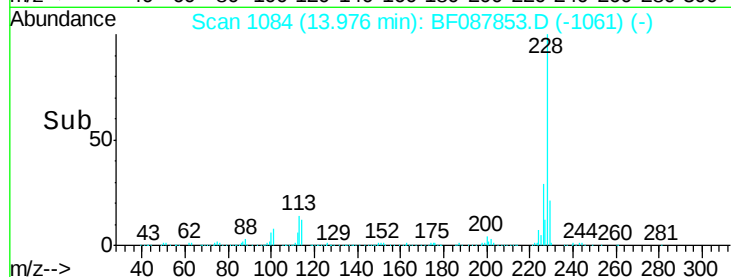
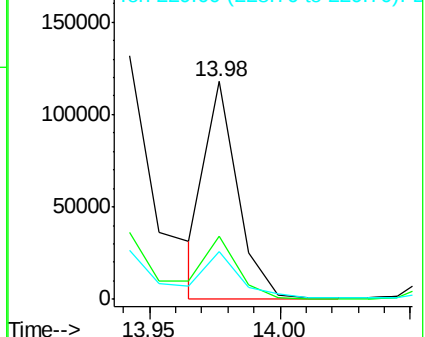
229 22.0 16.3 24.5



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: 5.84 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

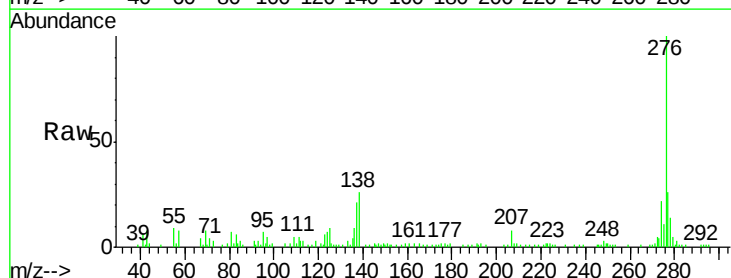
Tgt Ion:276 Resp: 65060

Ion Ratio Lower Upper

276 100

138 26.8 0.0 0.0#

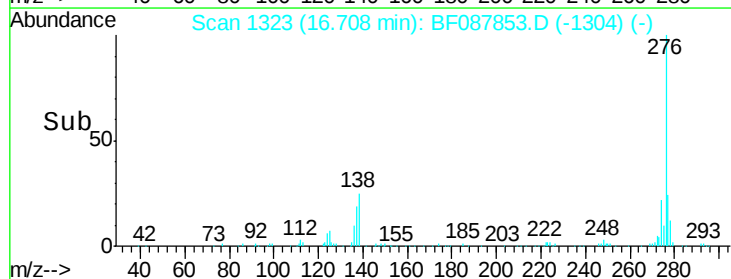
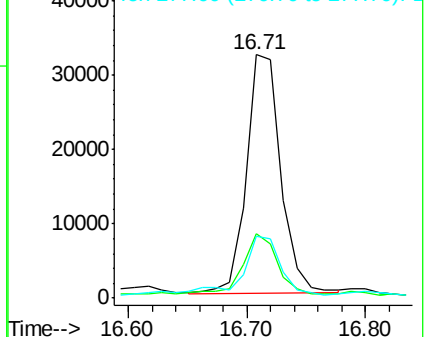
277 28.8 0.0 0.0#

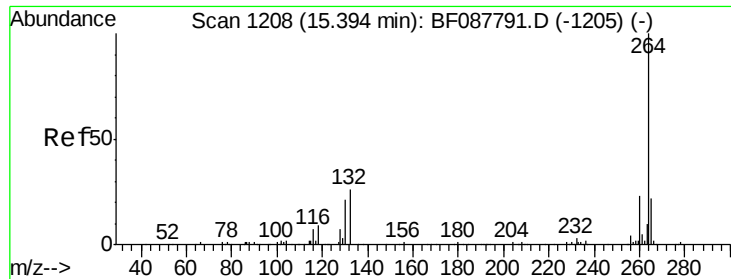


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.36 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampled :

SS-31

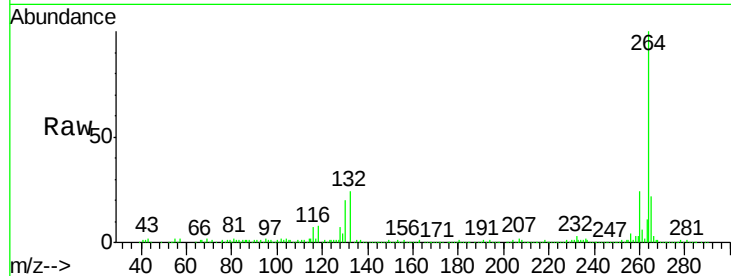
Tot Ion:264 Resp: 253179

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

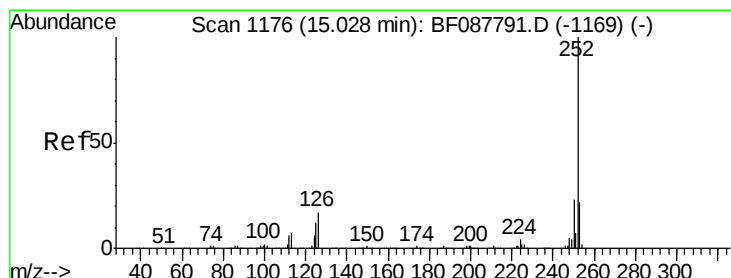
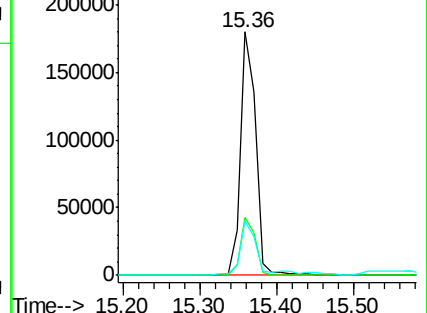
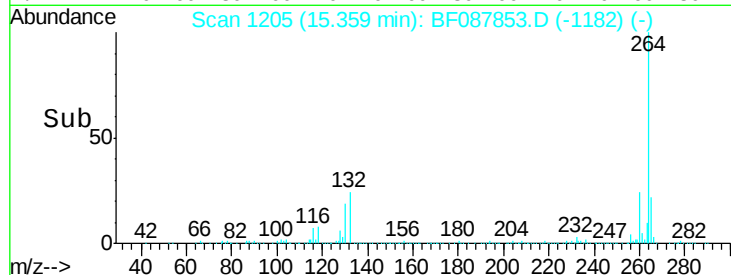
265 22.4 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 8.29 ng m

RT: 14.96 min Scan# 1170

Delta R.T. -0.03 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

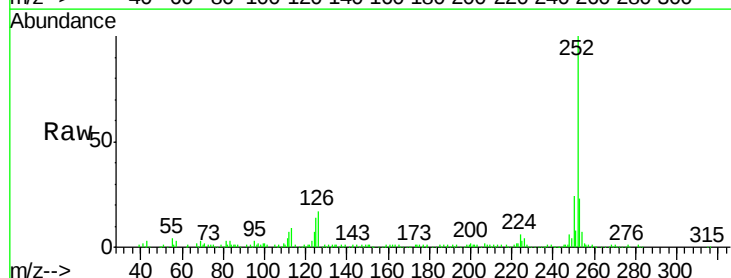
Tgt Ion:252 Resp: 146294

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

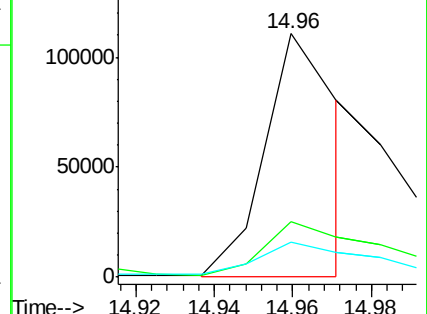
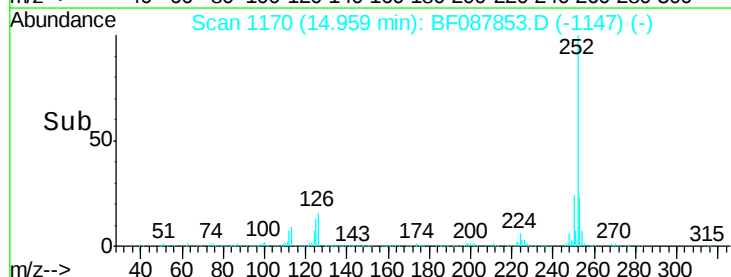
125 14.2 7.1 10.7#

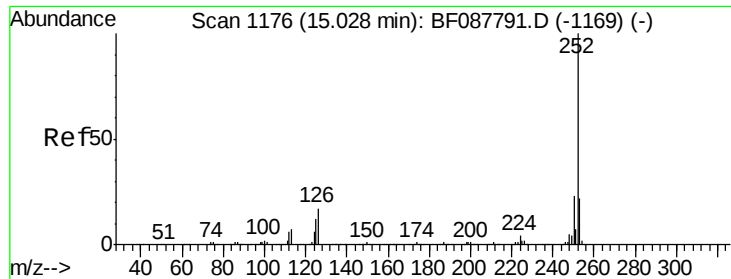


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

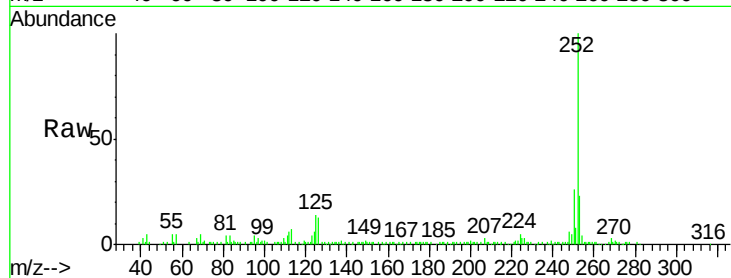




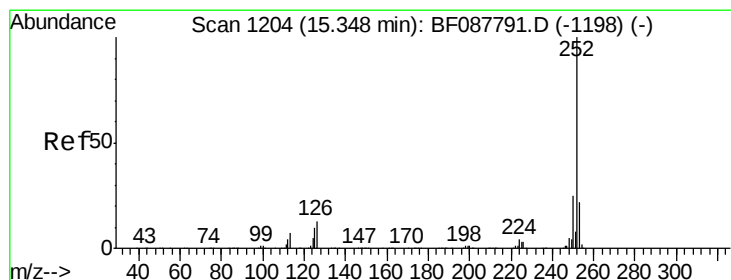
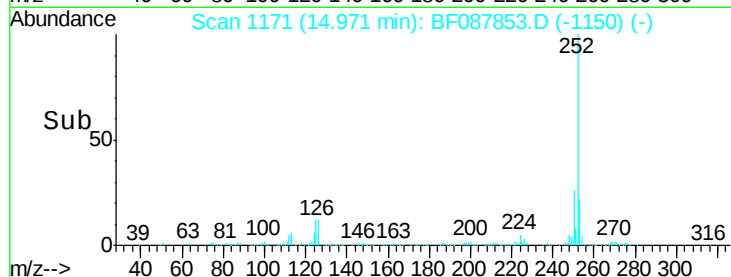
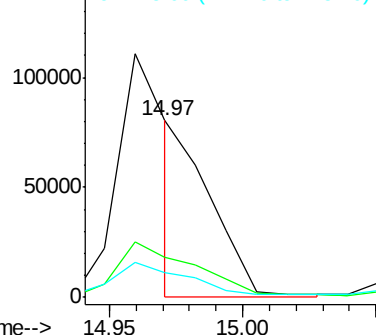
#88
Benzo(k)fluoranthene
Concen: 4.95 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.06 min
Lab File: BF087853.D
Acq: 9 Jun 2016 15:33

Instrument :
BNA_F
ClientSampled :
SS-31

Tot Ion:252 Resp: 65944
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 13.7 11.2 16.8

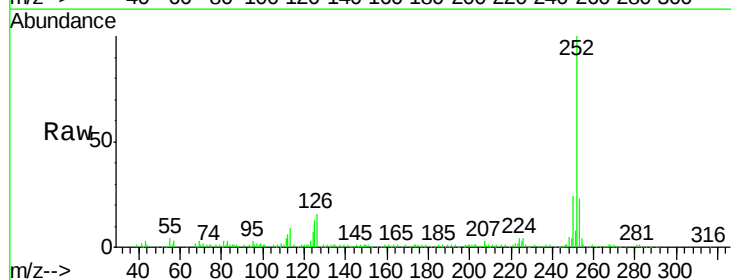


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

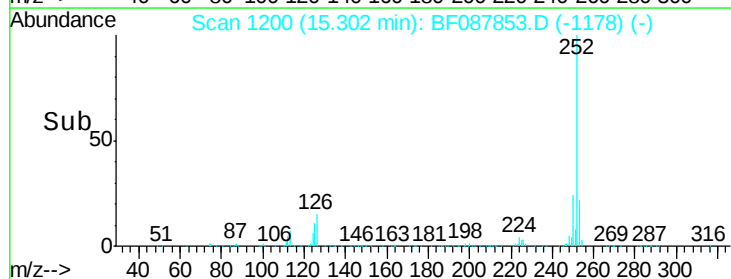
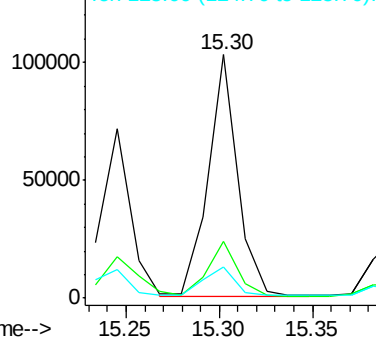


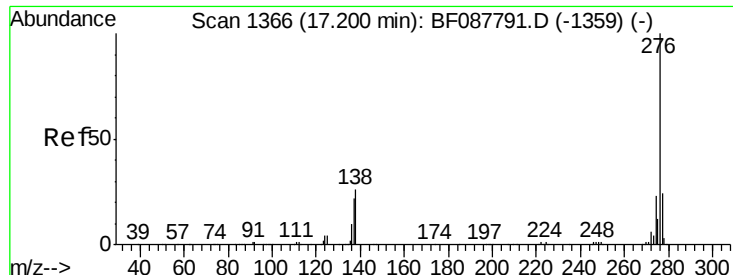
#89
Benzo(a)pyrene
Concen: 8.02 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087853.D
Acq: 9 Jun 2016 15:33

Tgt Ion:252 Resp: 114483
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 12.8 12.5 18.7



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





#91

Benzo(a,h,i)perylene

Concen: 4.39 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087853.D

Acq: 9 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

SS-31

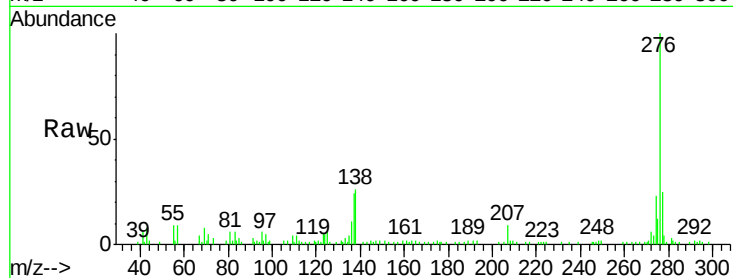
Tot Ion:276 Resp: 59904

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 25.9 21.4 32.2



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

