

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081833.D
 Acq On : 26 Sep 2015 17:56
 Operator : UM/IZ
 Sample : G3779-01
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1-18

Quant Time: Sep 28 07:12:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

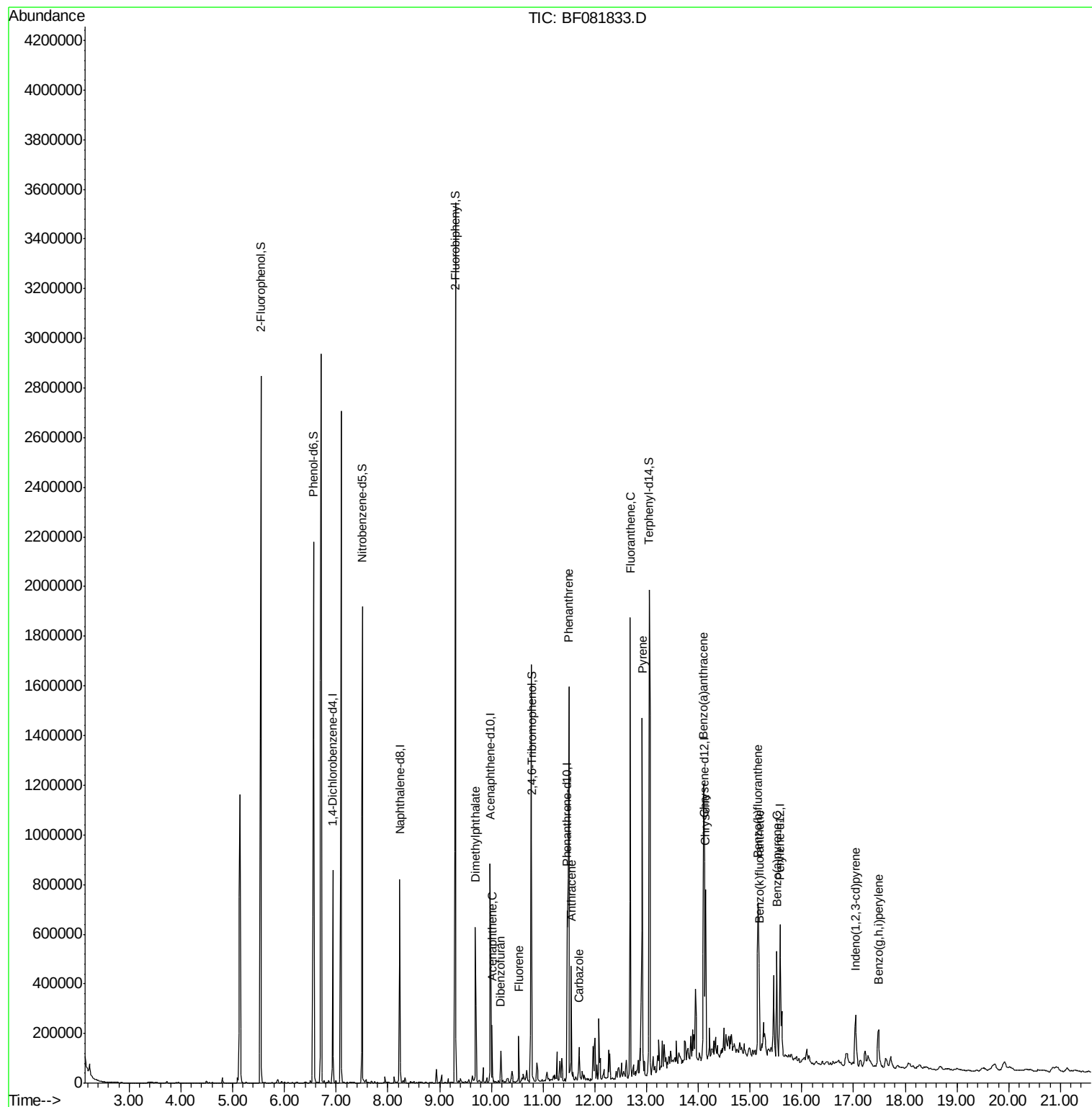
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	117569	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	456835	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	207881	20.00	ng	-0.02
63) Phenanthrene-d10	11.46	188	369470	20.00	ng	-0.01
75) Chrysene-d12	14.12	240	278514	20.00	ng	0.00
86) Perylene-d12	15.58	264	293248	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	825089	118.72	ng	0.00
7) Phenol-d6	6.56	99	1073080	122.08	ng	-0.01
23) Nitrobenzene-d5	7.51	82	736606	106.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	268990	149.04	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1085013	85.68	ng	-0.01
78) Terphenyl-d14	13.05	244	828914	67.99	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.69	163	312913	19.78	ng	# 97
51) Acenaphthene	10.01	154	46081	3.61	ng	87
54) Dibenzofuran	10.18	168	43887	2.35	ng	# 89
57) Fluorene	10.53	166	49138	3.42	ng	92
70) Phenanthrene	11.50	178	721603	34.16	ng	97
71) Anthracene	11.54	178	175544	8.62	ng	99
72) Carbazole	11.69	167	71830	3.80	ng	# 96
74) Fluoranthene	12.69	202	807021	37.92	ng	88
77) Pyrene	12.91	202	628035	29.91	ng	96
80) Benzo(a)anthracene	14.10	228	327773m	19.41	ng	
82) Chrysene	14.14	228	266081m	16.43	ng	
85) Indeno(1,2,3-cd)pyrene	17.04	276	147080	9.92	ng	# 81
87) Benzo(b)fluoranthene	15.16	252	356995m	20.53	ng	
88) Benzo(k)fluoranthene	15.18	252	131606m	7.86	ng	
89) Benzo(a)pyrene	15.52	252	238207	15.17	ng	# 85
91) Benzo(g,h,i)perylene	17.49	276	133081	7.89	ng	# 73

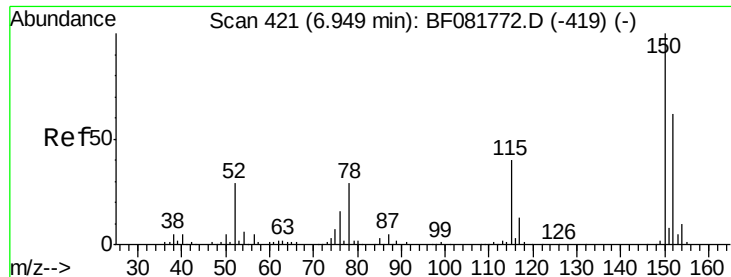
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Instrument :

BNA_F

ClientSampleId :

S1-18

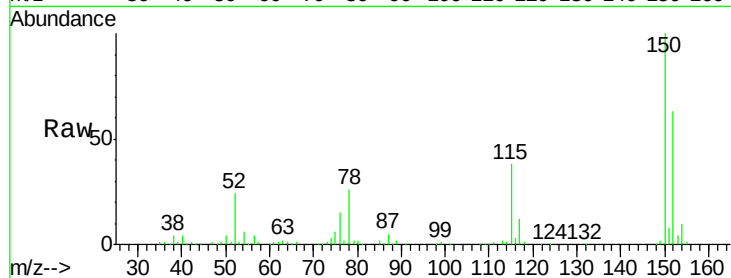
Tgt Ion:152 Resp: 117569

Ion Ratio Lower Upper

152 100

150 157.7 124.7 187.1

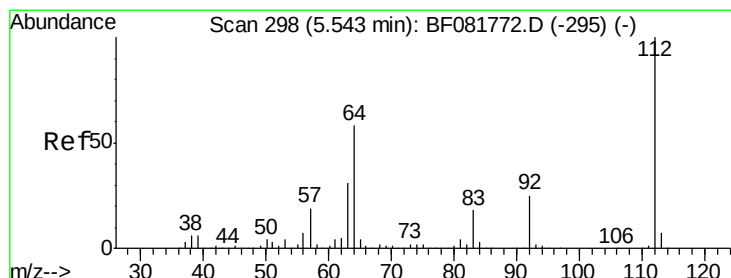
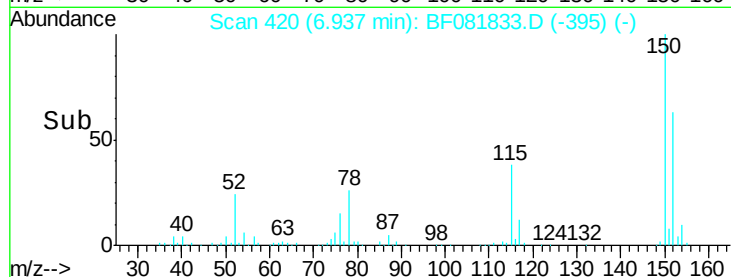
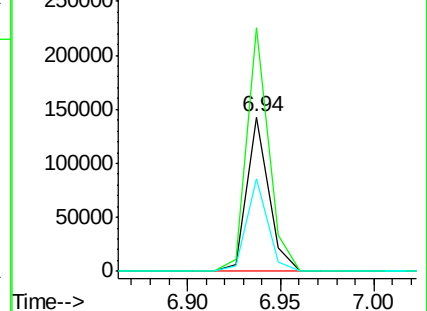
115 60.3 39.0 58.4#



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: 118.72 ng

RT: 5.54 min Scan# 298

Delta R.T. -0.00 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

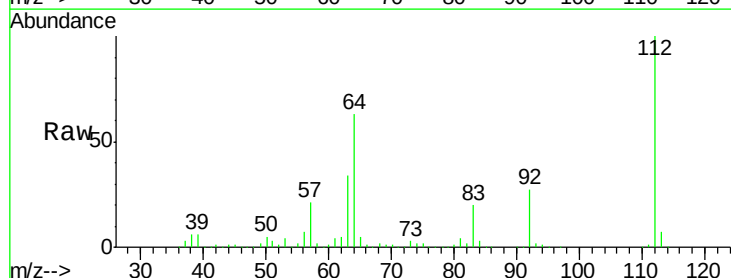
Tgt Ion:112 Resp: 825089

Ion Ratio Lower Upper

112 100

64 63.4 39.7 59.5#

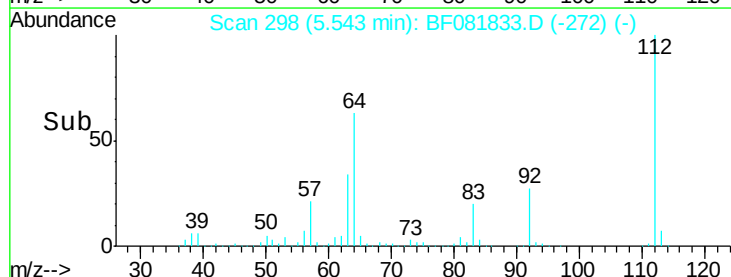
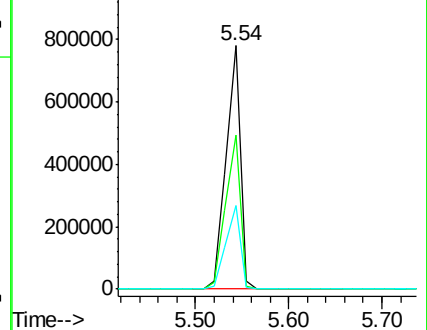
63 34.2 17.4 26.0#

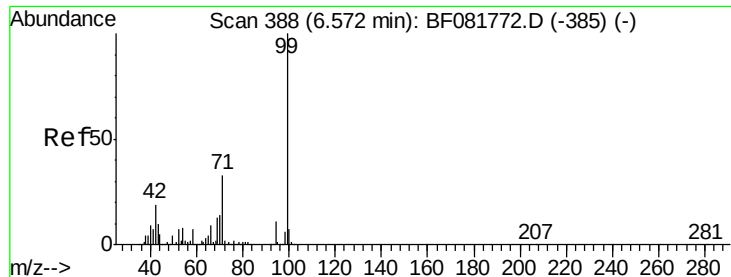


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.08 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Instrument :

BNA_F

ClientSampleId :

S1-18

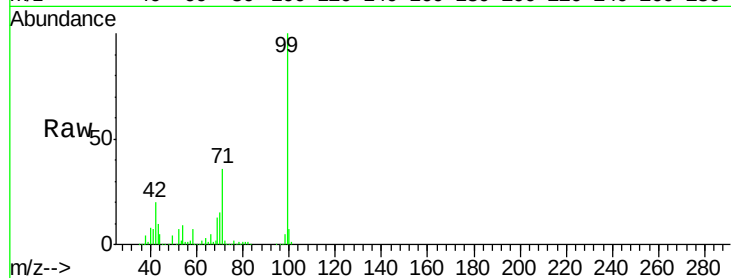
Tgt Ion: 99 Resp: 1073080

Ion Ratio Lower Upper

99 100

42 20.5 13.7 20.5

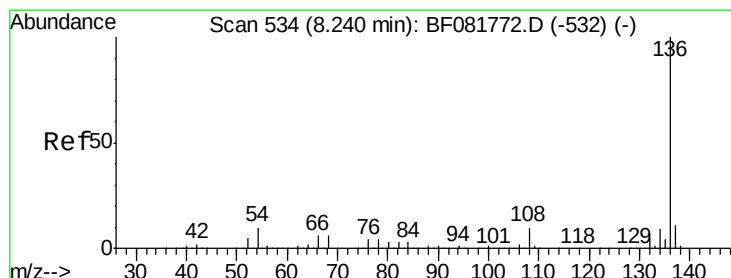
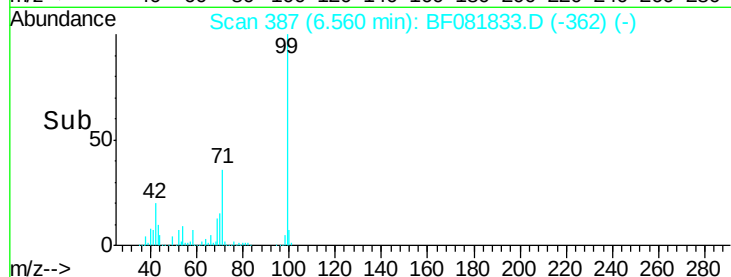
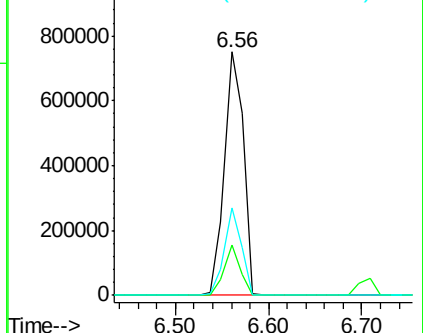
71 36.1 14.2 21.2#



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: 8.23 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Tgt Ion: 136 Resp: 456835

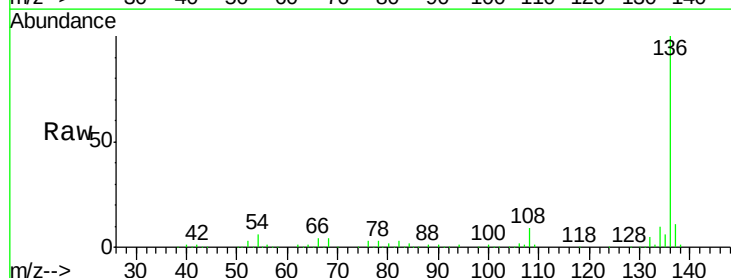
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 6.3 8.2 12.2#

68 4.4 5.8 8.6#

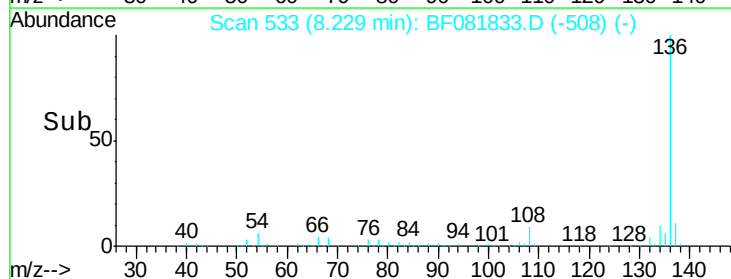
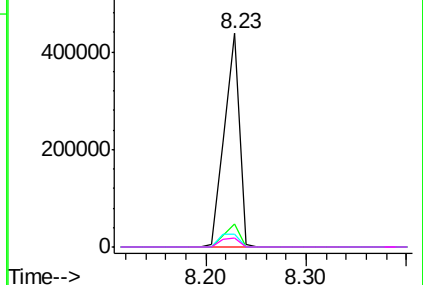


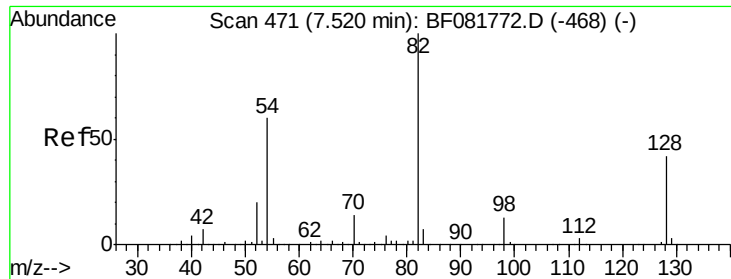
Abundance Ion 136.00 (135.70 to 136.70): E

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

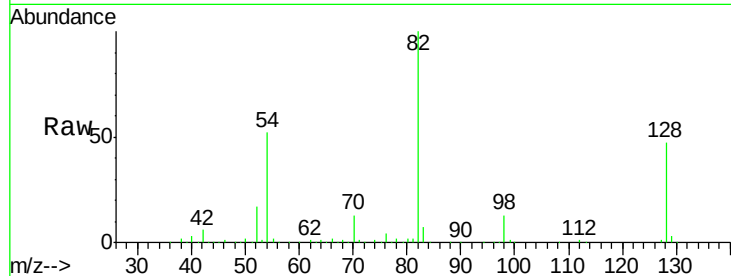




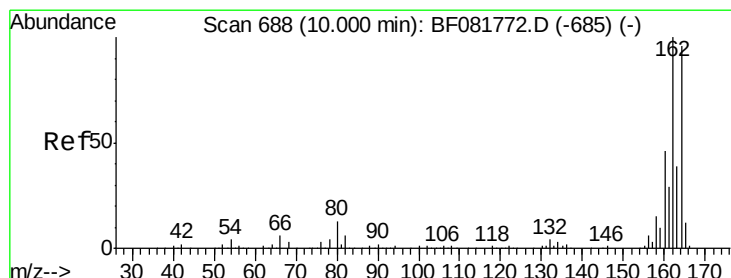
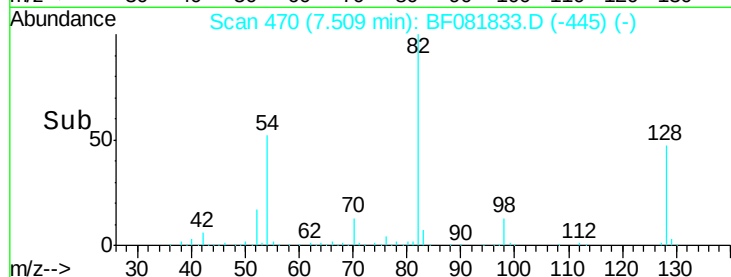
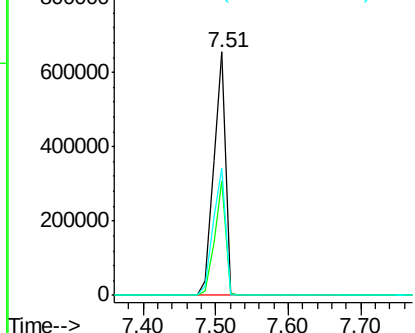
#23
 Nitrobenzene-d5
 Concen: 106.39 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081833.D
 Acq: 26 Sep 2015 17:56

Instrument :
 BNA_F
 ClientSampled :
 S1-18

Tgt Ion: 82 Resp: 736606
 Ion Ratio Lower Upper
 82 100
 128 46.9 51.0 76.6#
 54 52.4 47.5 71.3

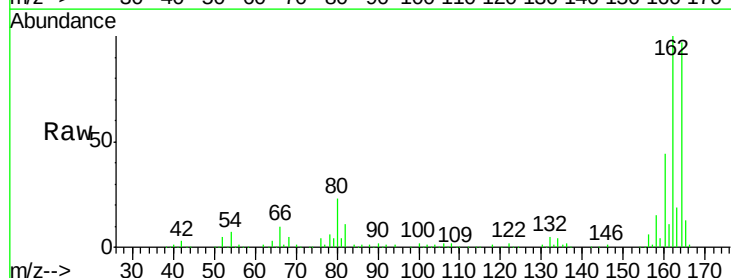


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

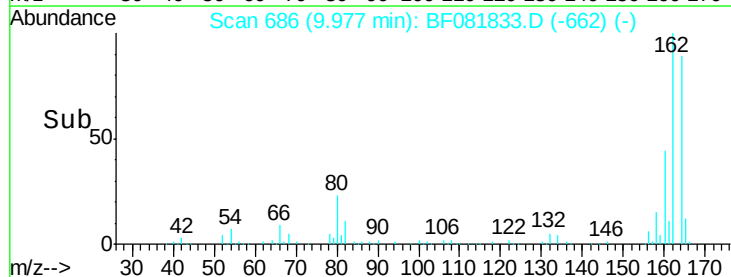
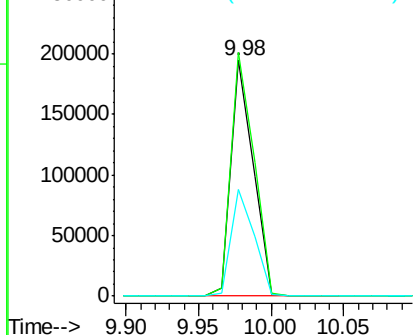


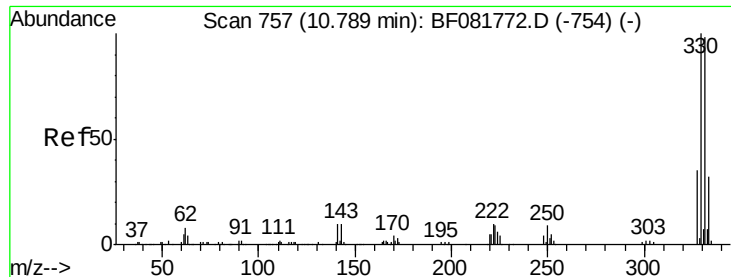
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: BF081833.D
 Acq: 26 Sep 2015 17:56

Tgt Ion: 164 Resp: 207881
 Ion Ratio Lower Upper
 164 100
 162 103.2 75.2 112.8
 160 45.2 31.5 47.3



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

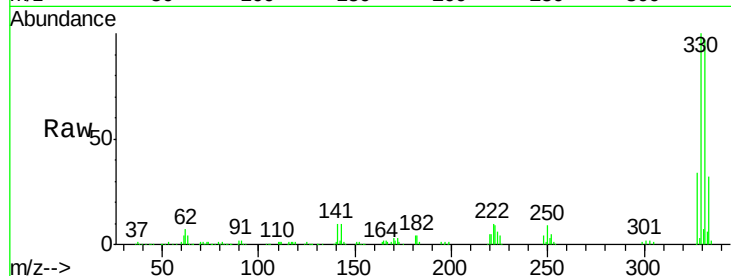




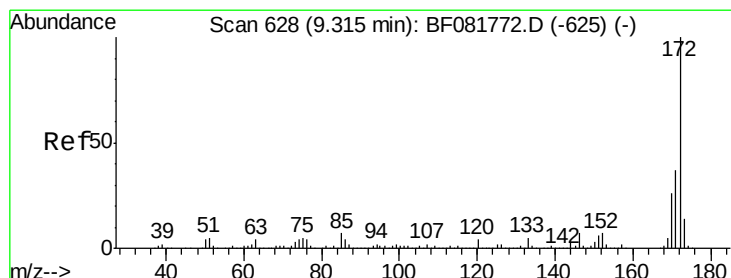
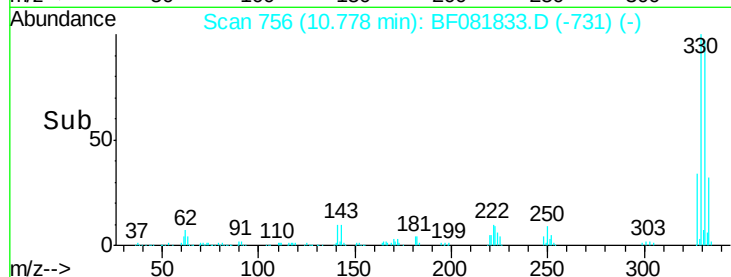
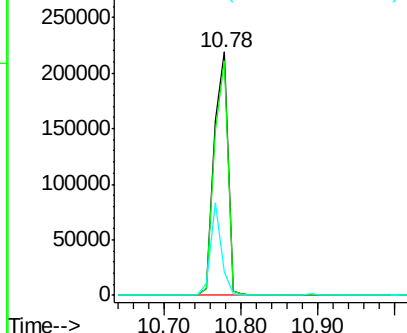
#41
 2,4,6-Tribromophenol
 Concen: 149.04 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081833.D
 Acq: 26 Sep 2015 17:56

Instrument :
 BNA_F
 ClientSampleId :
 S1-18

Tgt Ion:330 Resp: 268990
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 29.9 29.7 44.5

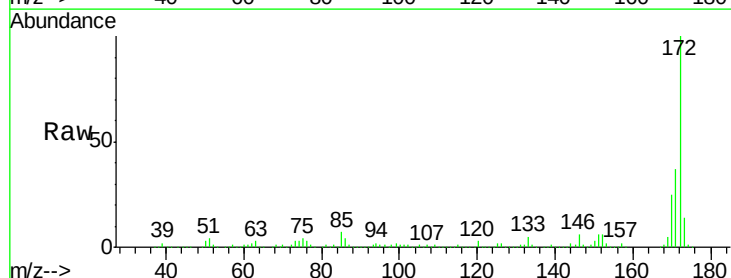


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

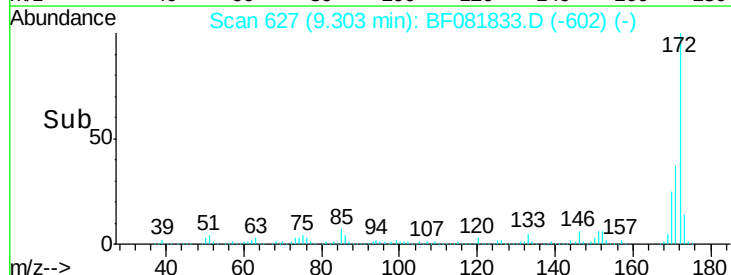
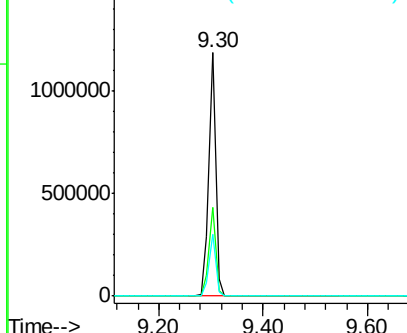


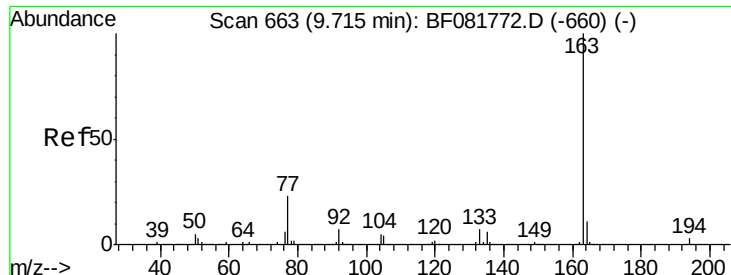
#44
 2-Fluorobiphenyl
 Concen: 85.68 ng
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081833.D
 Acq: 26 Sep 2015 17:56

Tgt Ion:172 Resp: 1085013
 Ion Ratio Lower Upper
 172 100
 171 36.6 26.1 39.1
 170 25.2 17.4 26.2



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: 19.78 ng

RT: 9.69 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

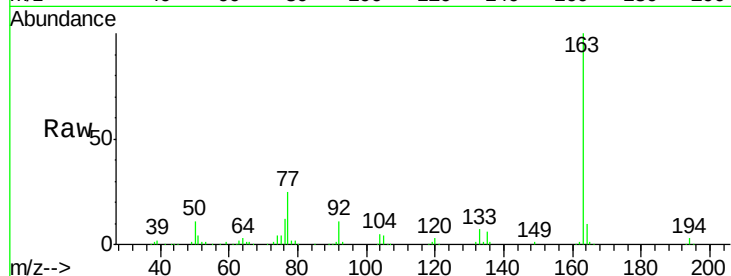
Instrument :

BNA_F

ClientSampleId :

S1-18

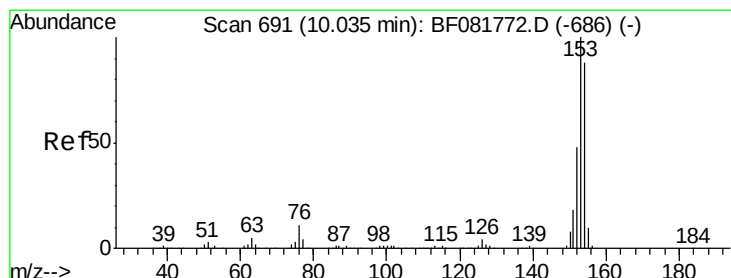
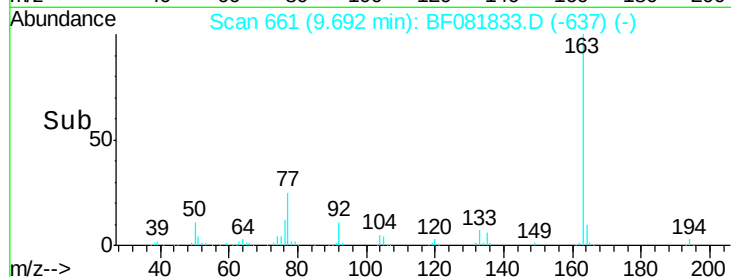
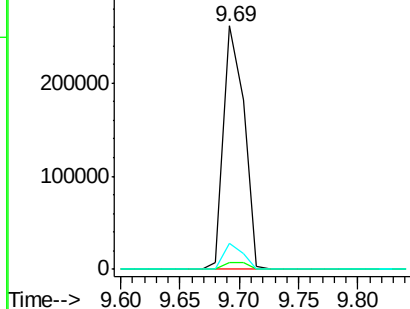
Tgt Ion:	163	Resp:	312913
Ion Ratio	Lower	Upper	
163	100		
194	3.0	4.4	6.6#
164	10.4	8.3	12.5



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: 3.61 ng

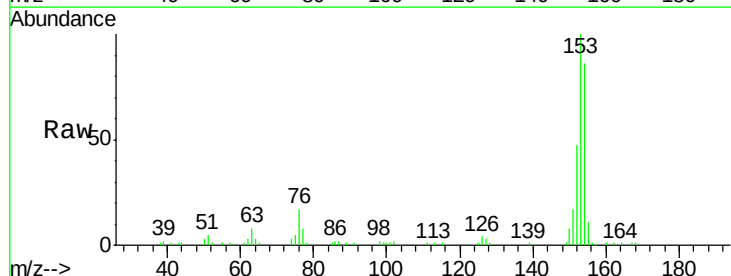
RT: 10.01 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

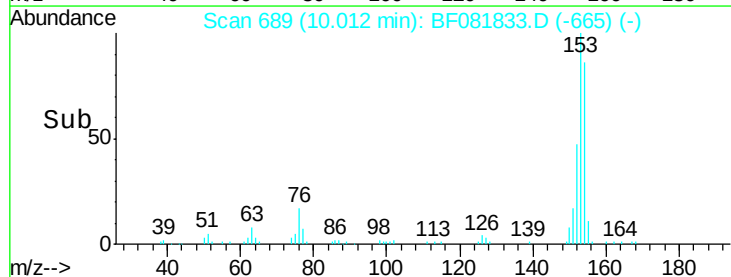
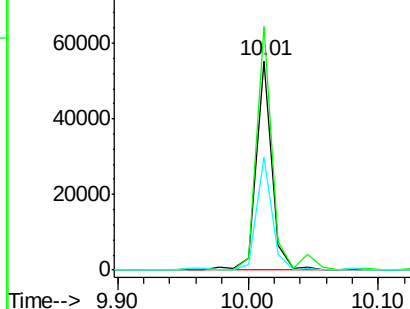
Tgt Ion:	154	Resp:	46081
Ion Ratio	Lower	Upper	
154	100		
153	116.4	82.1	123.1
152	54.2	37.9	56.9

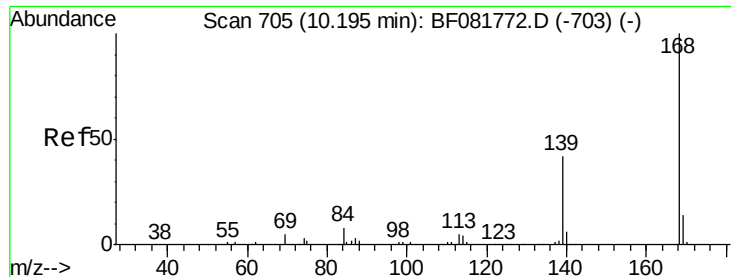


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

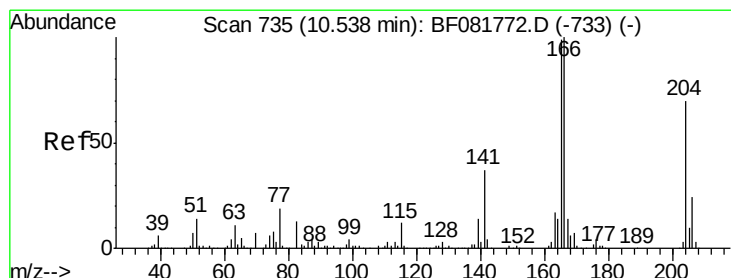
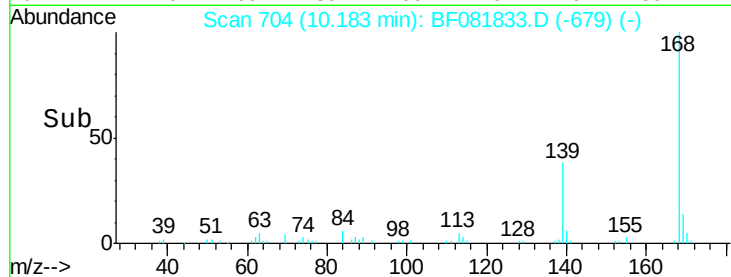
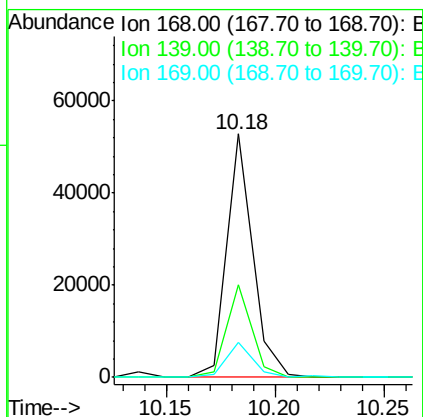
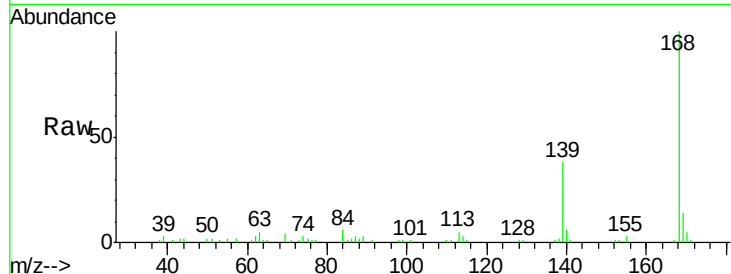




#54
Dibenzenofuran
Concen: 2.35 ng
RT: 10.18 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF081833.D
Acq: 26 Sep 2015 17:56

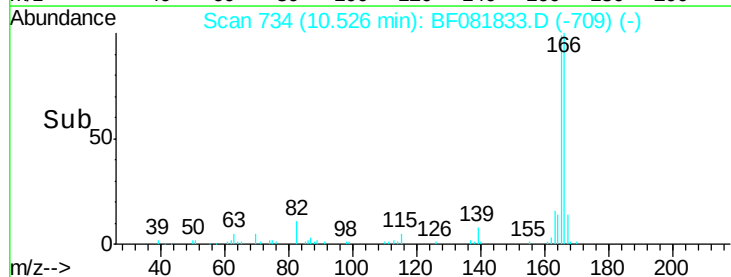
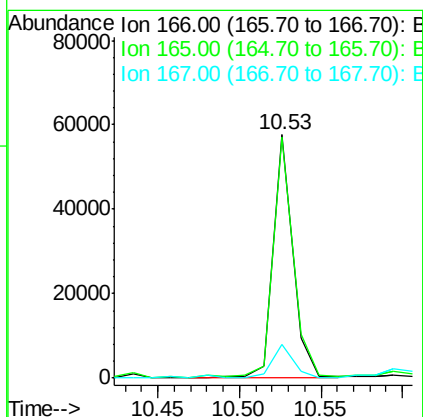
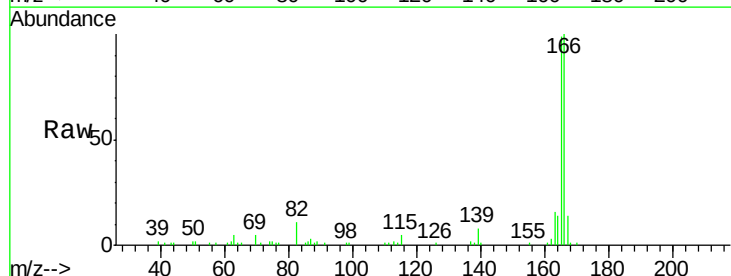
Instrument :
BNA_F
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S1-18

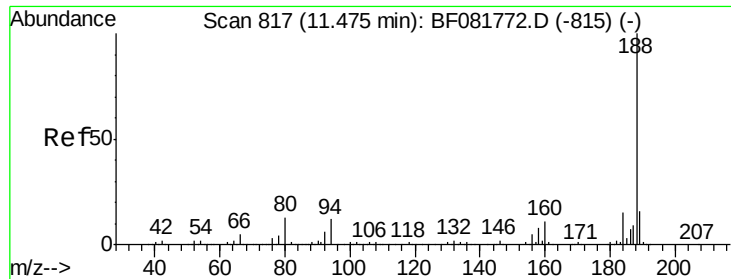
Tgt Ion:168 Resp: 43887
Ion Ratio Lower Upper
168 100
139 37.9 24.2 36.2#
169 14.3 10.6 15.8



#57
Fluorene
Concen: 3.42 ng
RT: 10.53 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF081833.D
Acq: 26 Sep 2015 17:56

Tgt Ion:166 Resp: 49138
Ion Ratio Lower Upper
166 100
165 99.0 72.6 109.0
167 14.1 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Instrument :

BNA_F

ClientSampleId :

S1-18

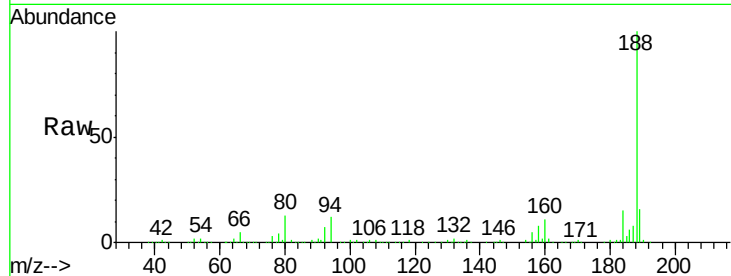
Tgt Ion:188 Resp: 369470

Ion Ratio Lower Upper

188 100

94 12.2 11.1 16.7

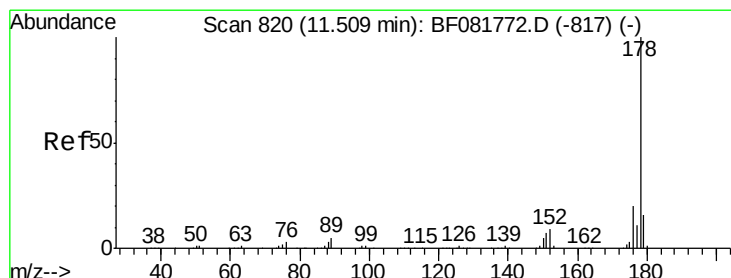
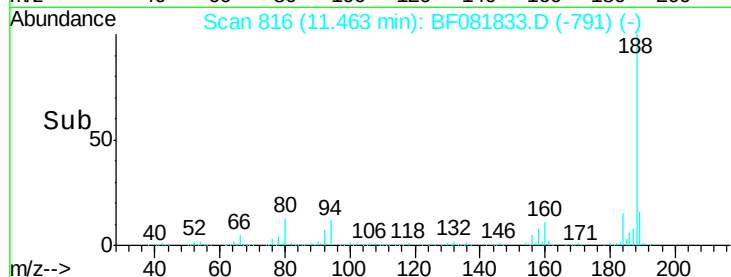
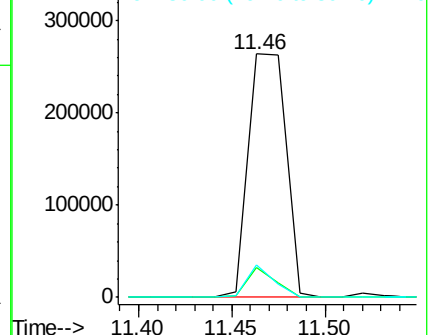
80 13.1 11.0 16.4



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: 34.16 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

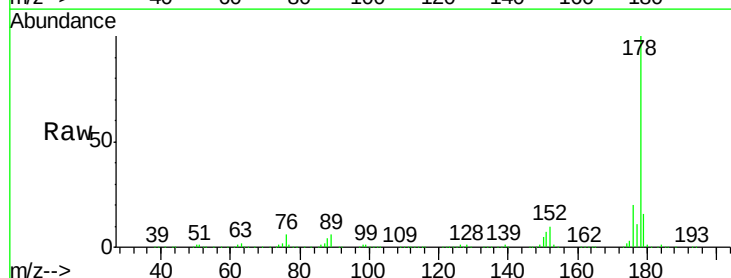
Tgt Ion:178 Resp: 721603

Ion Ratio Lower Upper

178 100

176 19.7 13.8 20.8

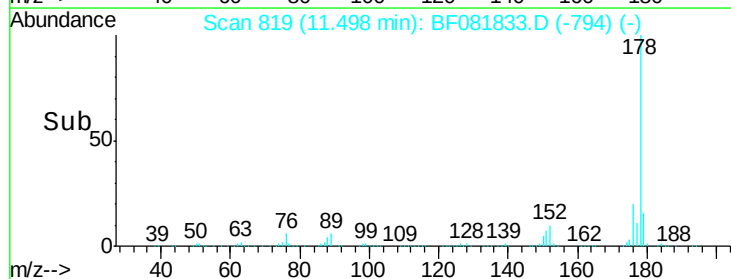
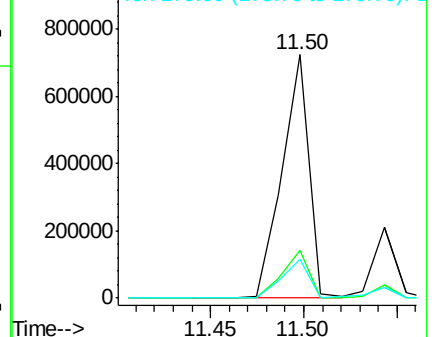
179 15.7 12.2 18.2

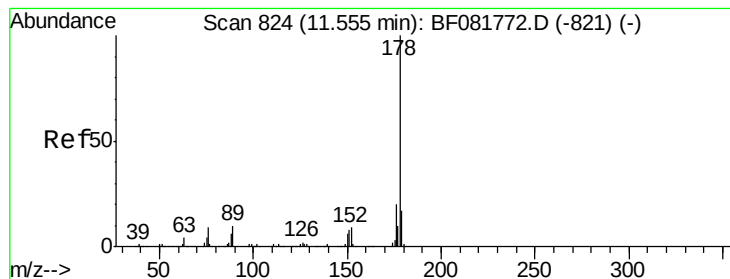


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 8.62 ng

RT: 11.54 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Instrument :

BNA_F

ClientSampleId :

S1-18

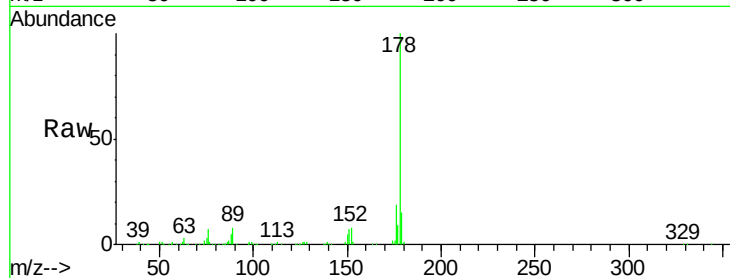
Tgt Ion:178 Resp: 175544

Ion Ratio Lower Upper

178 100

176 18.5 14.1 21.1

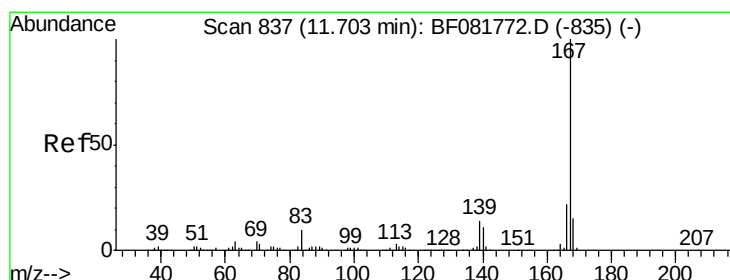
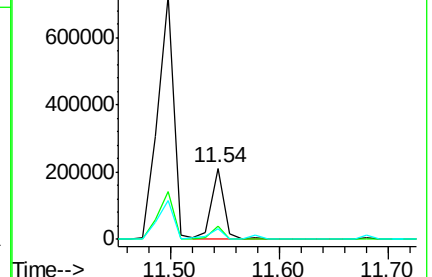
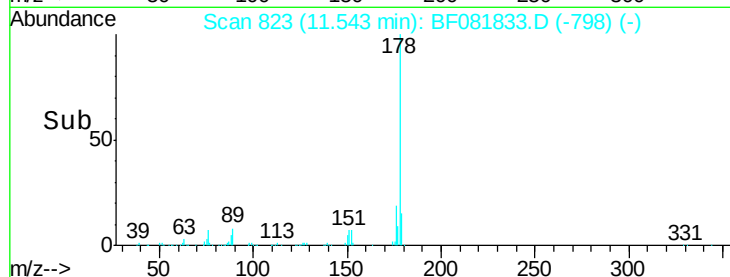
179 15.4 12.2 18.2



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



#72

Carbazole

Concen: 3.80 ng

RT: 11.69 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

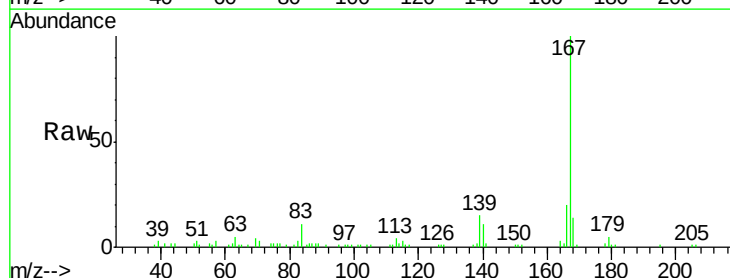
Tgt Ion:167 Resp: 71830

Ion Ratio Lower Upper

167 100

166 20.4 15.7 23.5

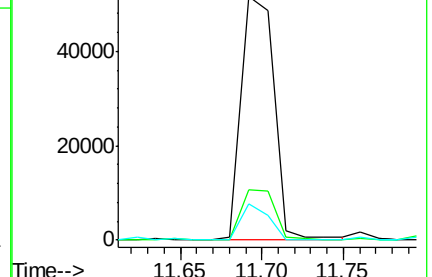
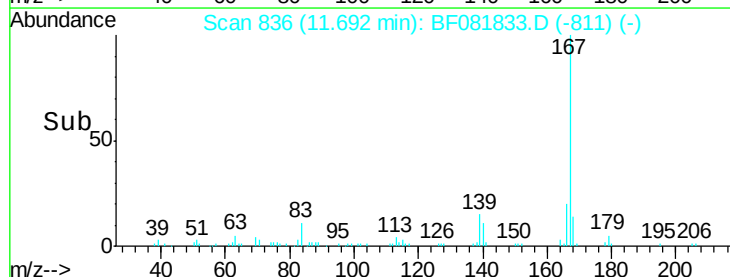
139 14.8 9.5 14.3#

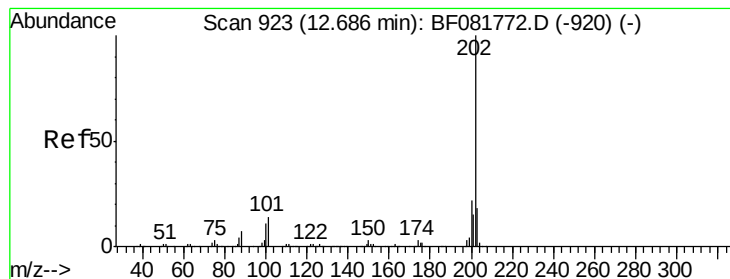


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 37.92 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Instrument :

BNA_F

ClientSampleId :

S1-18

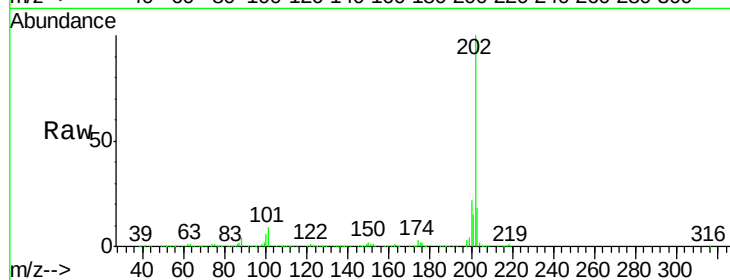
Tgt Ion:202 Resp: 807021

Ion Ratio Lower Upper

202 100

101 8.5 0.0 38.3

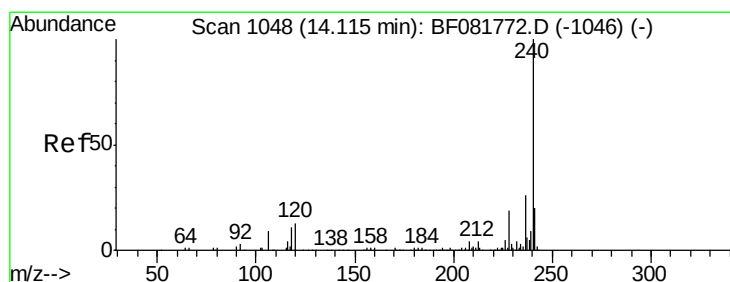
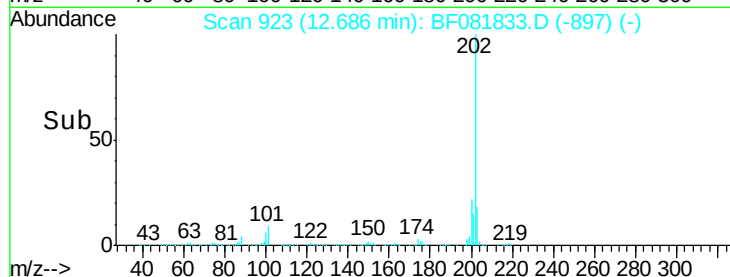
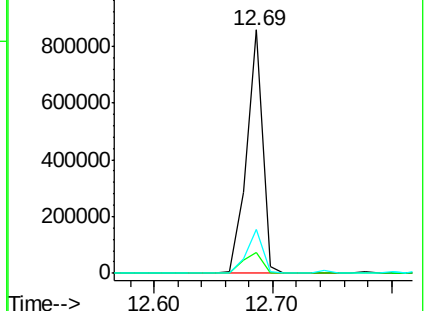
203 18.0 0.0 37.3



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: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

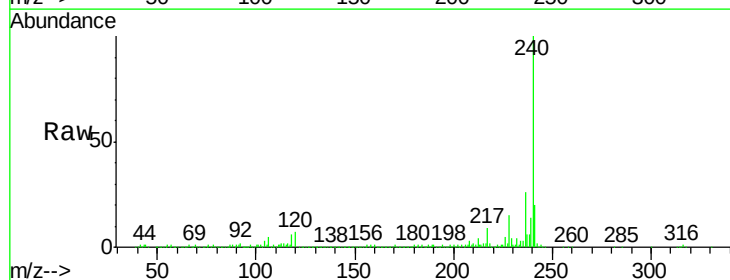
Tgt Ion:240 Resp: 278514

Ion Ratio Lower Upper

240 100

120 7.2 16.2 24.2#

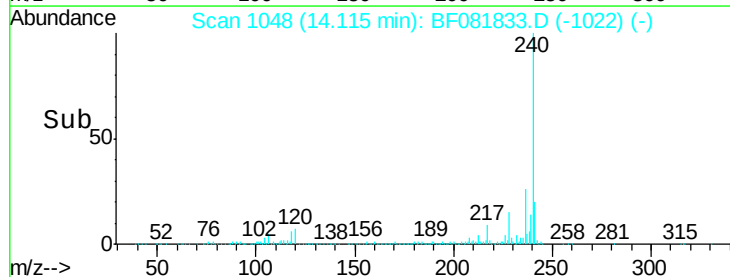
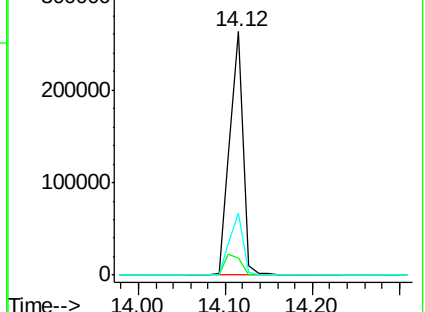
236 25.7 18.4 27.6

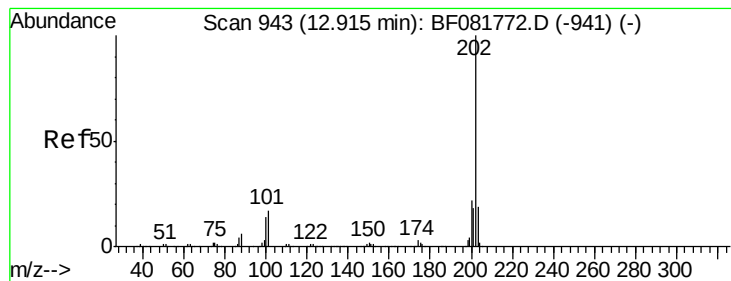


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 29.91 ng

RT: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Instrument :

BNA_F

ClientSampleId :

S1-18

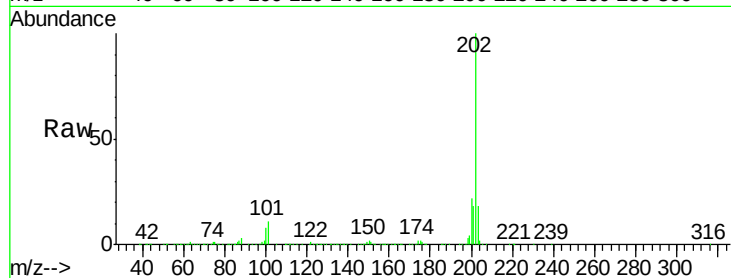
Tgt Ion:202 Resp: 628035

Ion Ratio Lower Upper

202 100

200 21.9 15.0 22.4

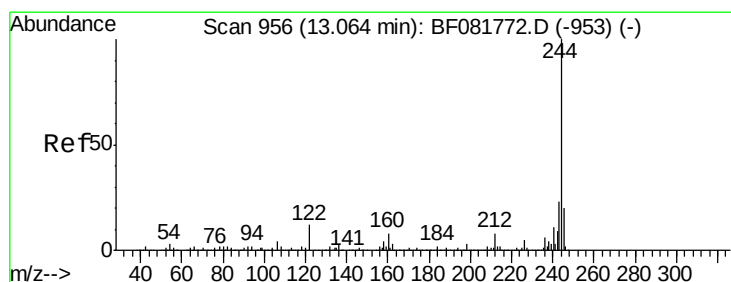
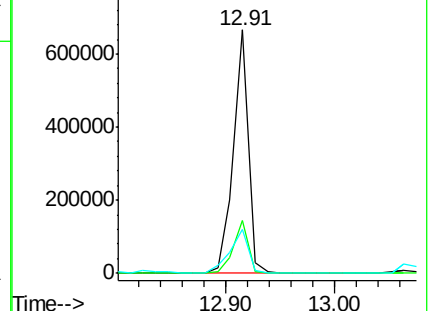
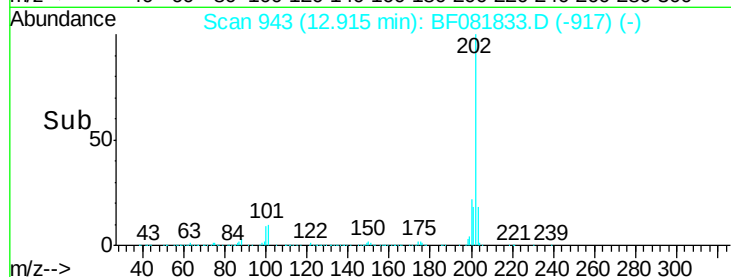
203 18.3 14.1 21.1



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: 67.99 ng

RT: 13.05 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

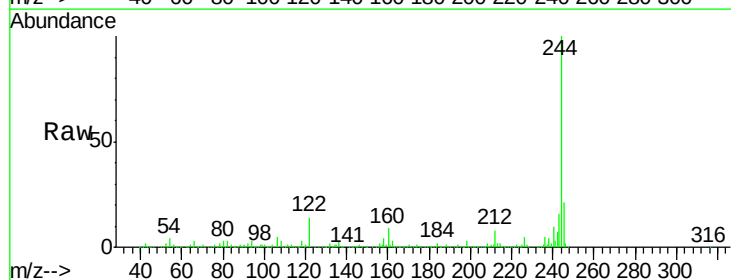
Tgt Ion:244 Resp: 828914

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

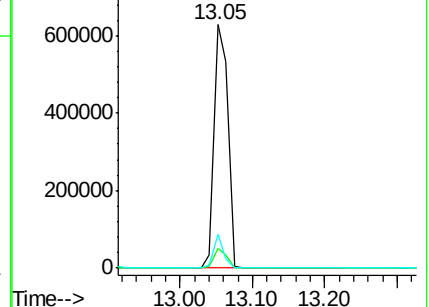
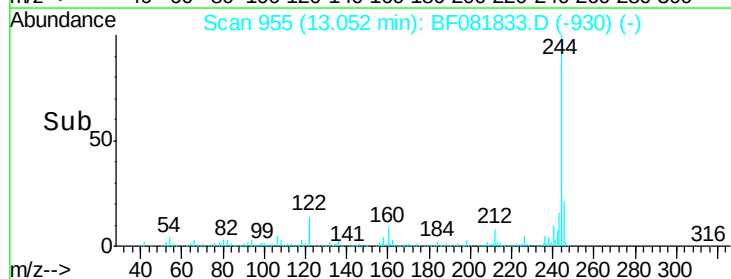
122 13.8 17.4 26.2#

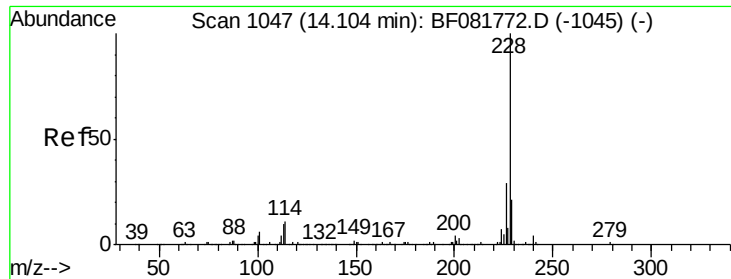


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

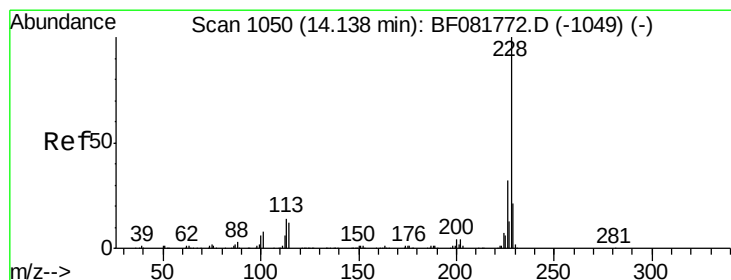
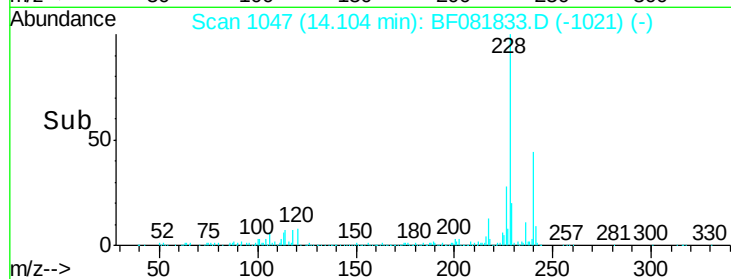
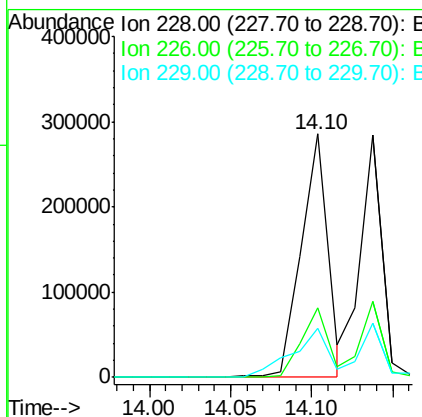
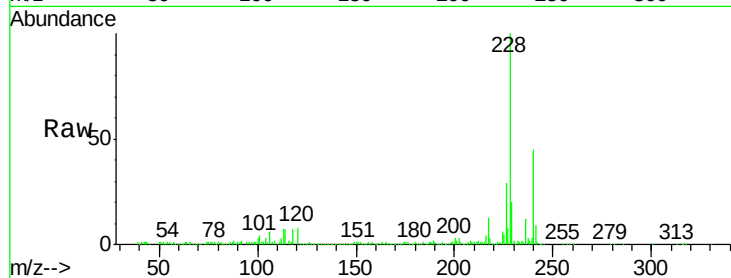




#80
Benzo(a)anthracene
Concen: 19.41 ng m
RT: 14.10 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF081833.D
Acq: 26 Sep 2015 17:56

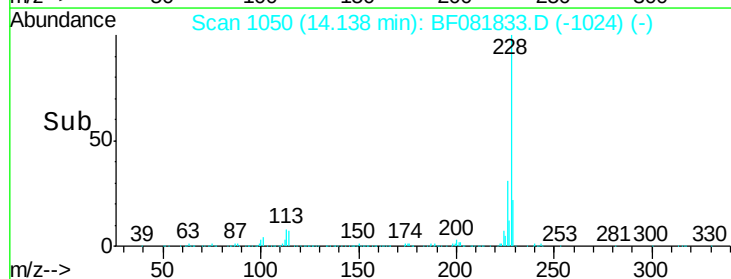
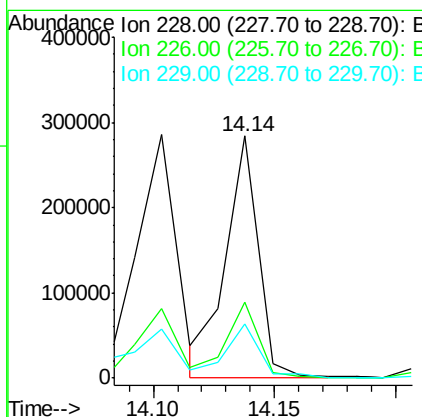
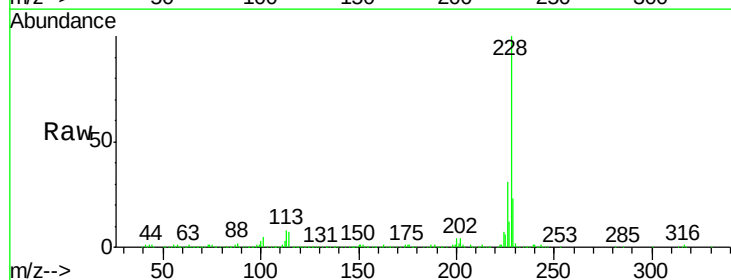
Instrument :
BNA_F
ClientSampleId :
S1-18

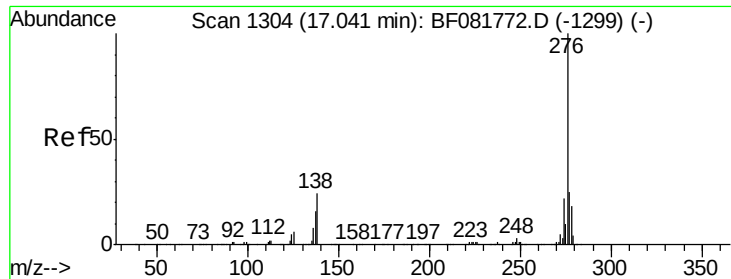
Tgt Ion:228 Resp: 327773
Ion Ratio Lower Upper
228 100
226 28.5 20.0 30.0
229 19.9 15.4 23.2



#82
Chrysene
Concen: 16.43 ng m
RT: 14.14 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF081833.D
Acq: 26 Sep 2015 17:56

Tgt Ion:228 Resp: 266081
Ion Ratio Lower Upper
228 100
226 31.1 21.0 31.4
229 22.5 15.6 23.4

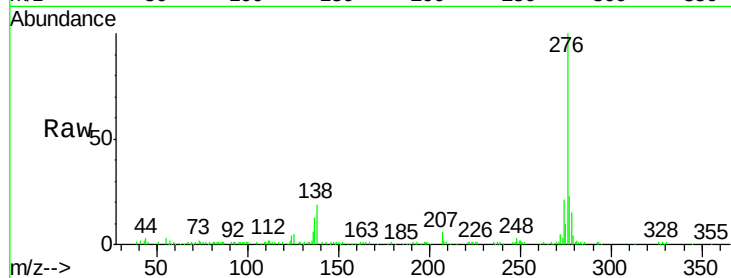




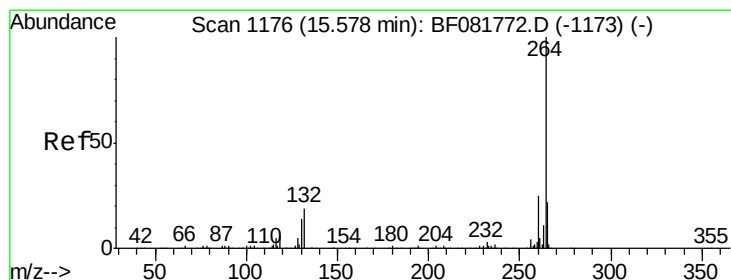
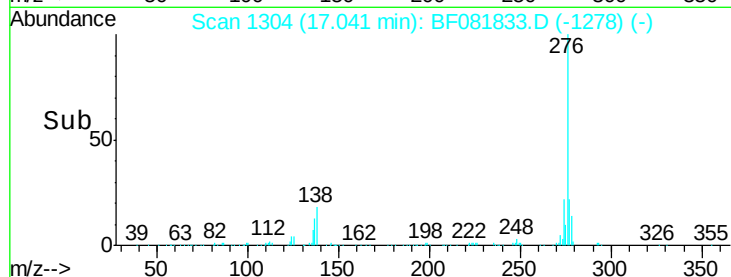
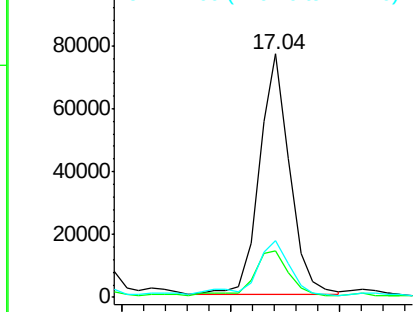
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.92 ng
 RT: 17.04 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF081833.D
 Acq: 26 Sep 2015 17:56

Instrument :
 BNA_F
 ClientSampleId :
 S1-18

Tgt Ion: 276 Resp: 147080
 Ion Ratio Lower Upper
 276 100
 138 21.4 25.7 38.5#
 277 27.8 15.6 23.4#

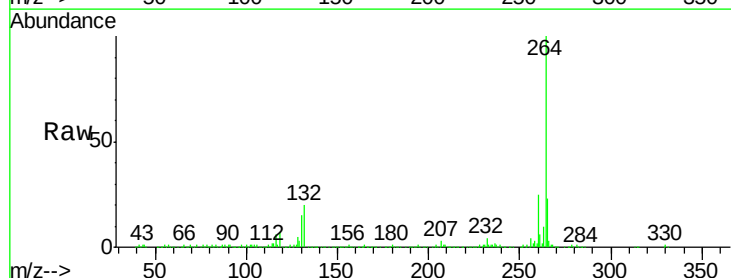


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

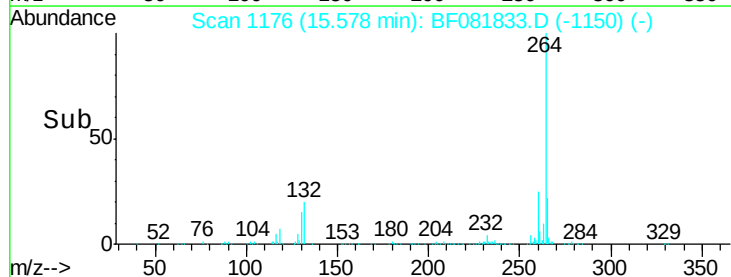
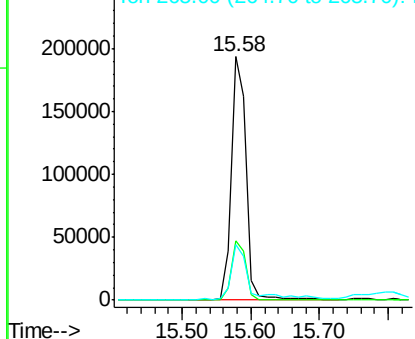


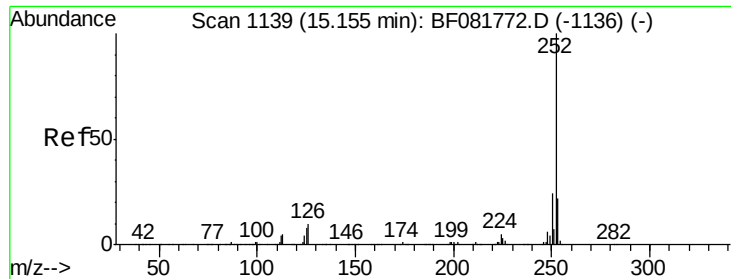
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF081833.D
 Acq: 26 Sep 2015 17:56

Tgt Ion: 264 Resp: 293248
 Ion Ratio Lower Upper
 264 100
 260 24.6 16.7 25.1
 265 22.7 17.2 25.8



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

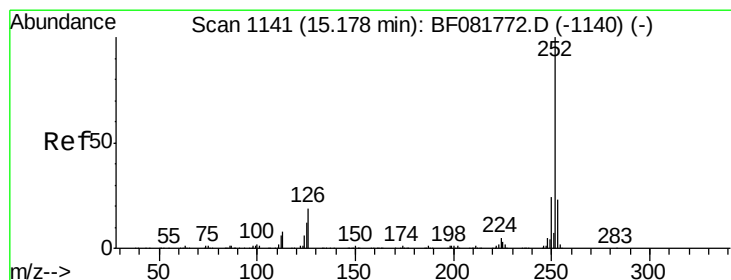
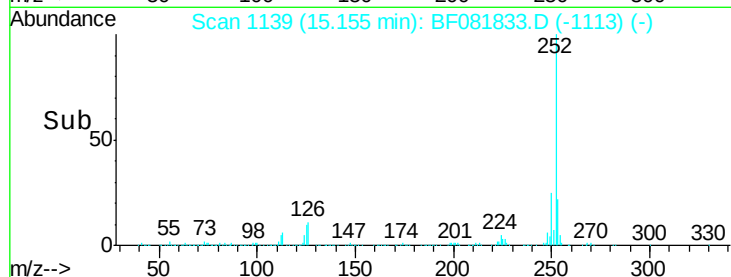
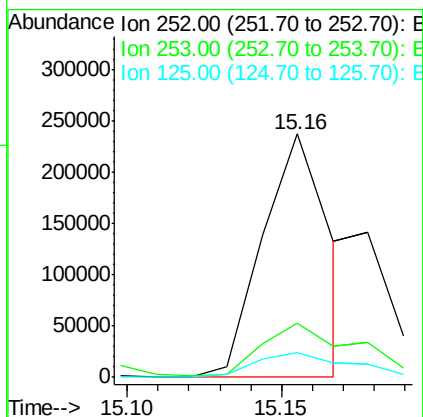
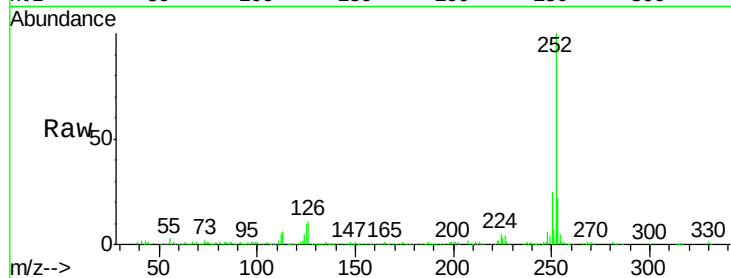




#87
Benzo(b)fluoranthene
Concen: 20.53 ng m
RT: 15.16 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF081833.D
Acq: 26 Sep 2015 17:56

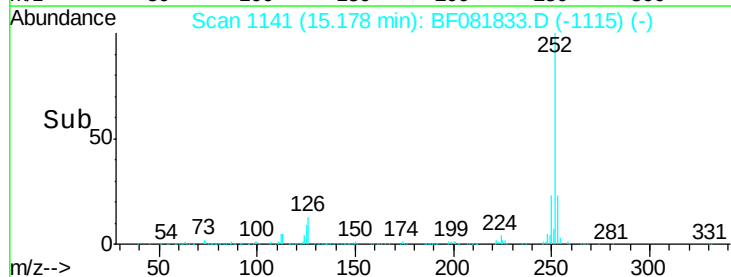
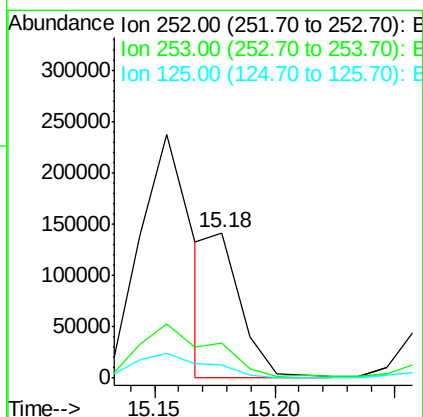
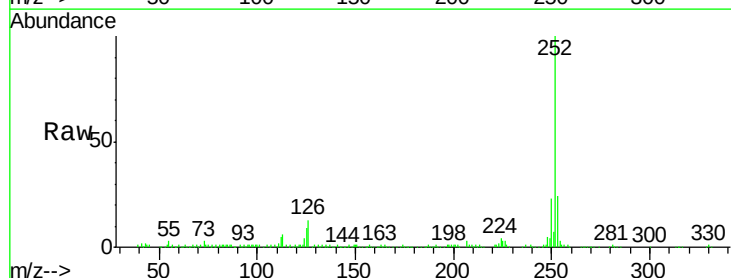
Instrument :
BNA_F
ClientSampleId :
S1-18

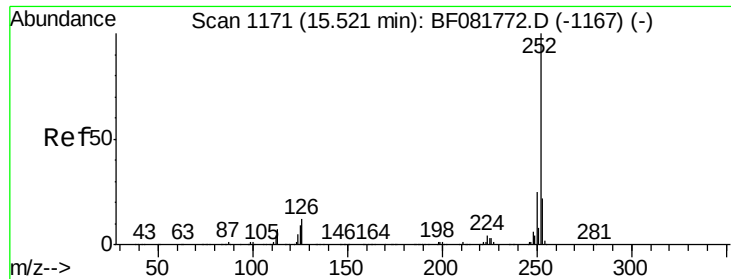
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.2	17.1	25.7#



#88
Benzo(k)fluoranthene
Concen: 7.86 ng m
RT: 15.18 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BF081833.D
Acq: 26 Sep 2015 17:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	9.4	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 15.17 ng

RT: 15.52 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

Instrument :

BNA_F

ClientSampleId :

S1-18

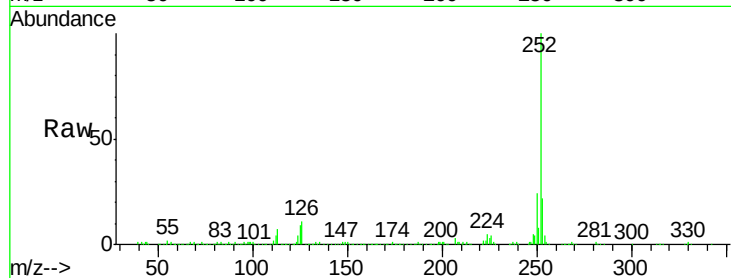
Tgt Ion:252 Resp: 238207

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

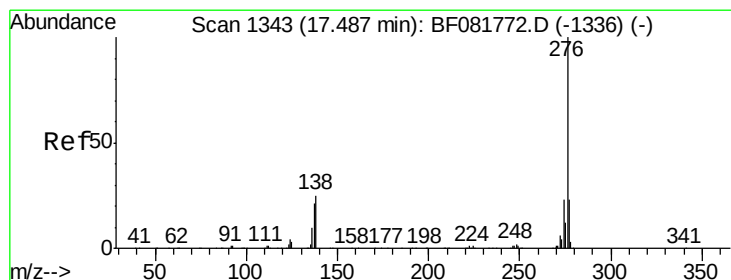
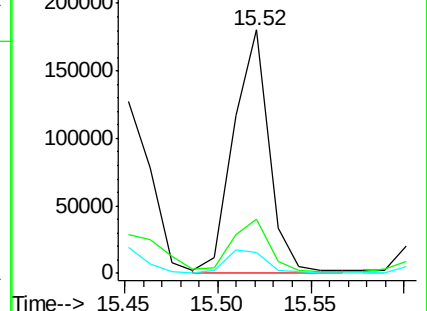
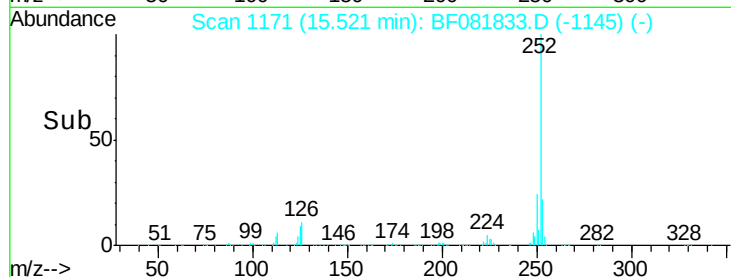
125 8.8 18.0 27.0#



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(g,h,i)perylene

Concen: 7.89 ng

RT: 17.49 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BF081833.D

Acq: 26 Sep 2015 17:56

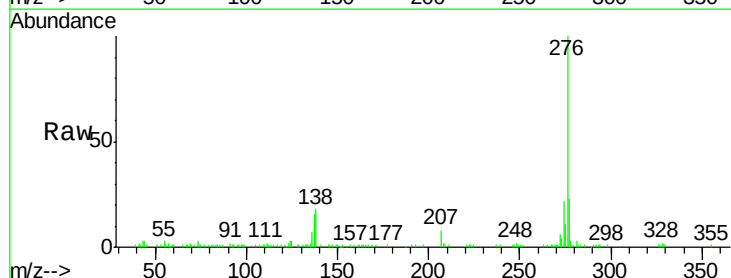
Tgt Ion:276 Resp: 133081

Ion Ratio Lower Upper

276 100

277 23.3 17.8 26.6

138 18.2 34.6 51.8#



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

