

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081593.D
 Acq On : 11 Sep 2015 20:33
 Operator : UM/IZ
 Sample : G3511-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)

Quant Time: Sep 12 00:21:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 23:14:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	52475	20.00	ng	0.00
21) Naphthalene-d8	11.14	136	207152	20.00	ng	-0.01
38) Acenaphthene-d10	15.28	164	94459	20.00	ng	-0.01
63) Phenanthrene-d10	18.79	188	175490	20.00	ng	0.00
75) Chrysene-d12	23.41	240	106074	20.00	ng	0.00
86) Perylene-d12	24.84	264	99275	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	312257	92.32	ng	0.03
7) Phenol-d6	7.68	99	436152	97.42	ng	0.00
23) Nitrobenzene-d5	9.54	82	282445	65.78	ng	-0.01
41) 2,4,6-Tribromophenol	17.18	330	71613	85.15	ng	-0.02
44) 2-Fluorobiphenyl	13.80	172	374055	50.75	ng	-0.01
78) Terphenyl-d14	22.13	244	210294	46.15	ng	0.00

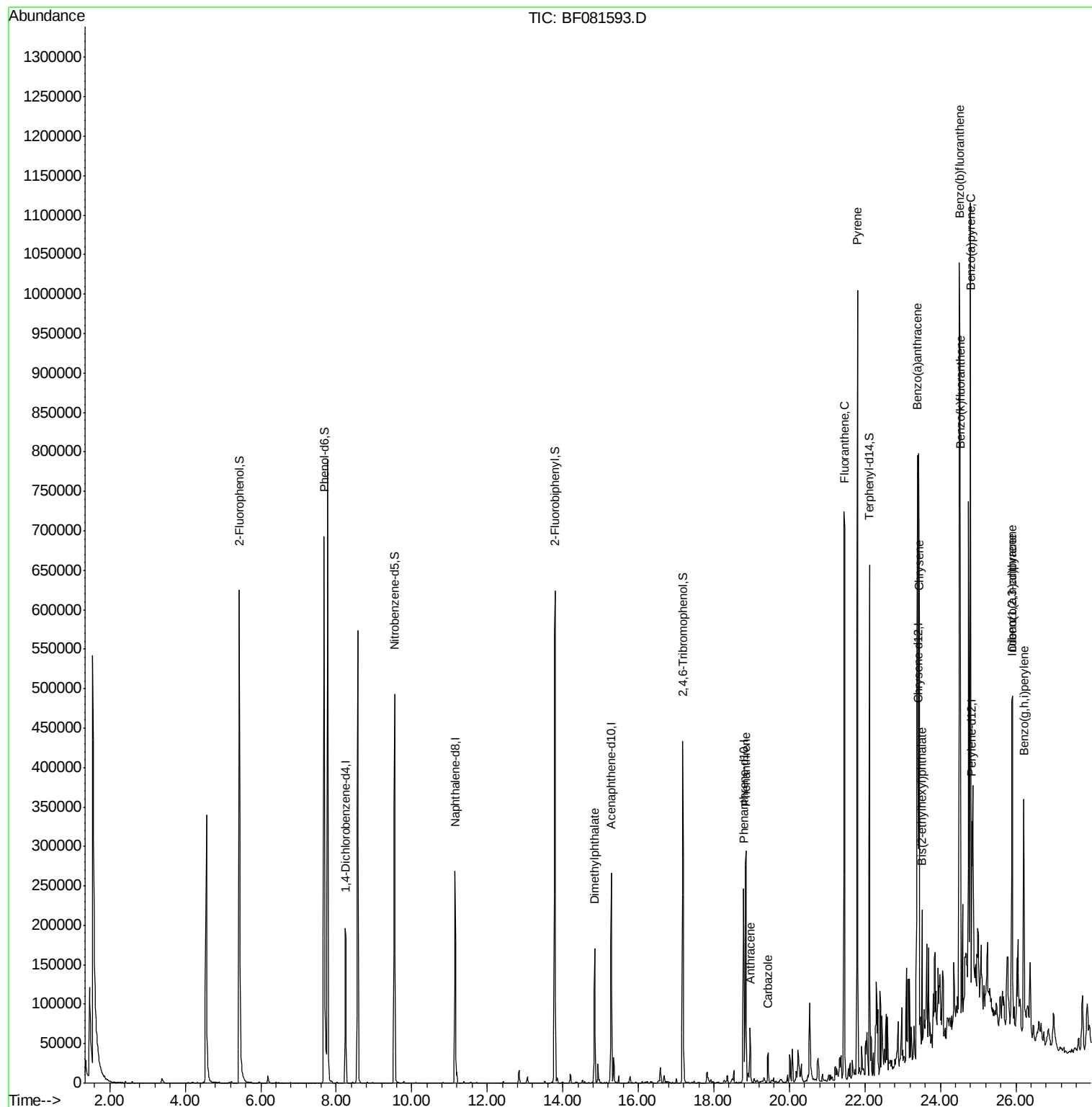
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.85	163	112324	15.31	ng	# 97
70) Phenanthrene	18.85	178	214059	21.94	ng	97
71) Anthracene	18.96	178	48066	4.80	ng	99
72) Carbazole	19.44	167	31659	3.37	ng	# 94
74) Fluoranthene	21.46	202	541970	51.32	ng	86
77) Pyrene	21.81	202	491074	62.50	ng	# 93
80) Benzo(a)anthracene	23.40	228	330666	48.95	ng	96
82) Chrysene	23.44	228	357269	59.00	ng	94
83) Bis(2-ethylhexyl)phthalate	23.51	149	14809	3.28	ng	# 88
85) Indeno(1,2,3-cd)pyrene	25.90	276	263968	59.42	ng	# 81
87) Benzo(b)fluoranthene	24.50	252	761043m	107.38	ng	
88) Benzo(k)fluoranthene	24.53	252	27855m	4.74	ng	
89) Benzo(a)pyrene	24.80	252	454515	75.68	ng	# 83
90) Dibenzo(a,h)anthracene	25.91	278	70442m	15.18	ng	
91) Benzo(g,h,i)perylene	26.22	276	232073	52.39	ng	# 70

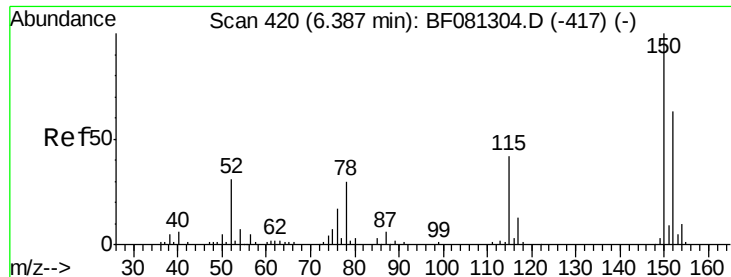
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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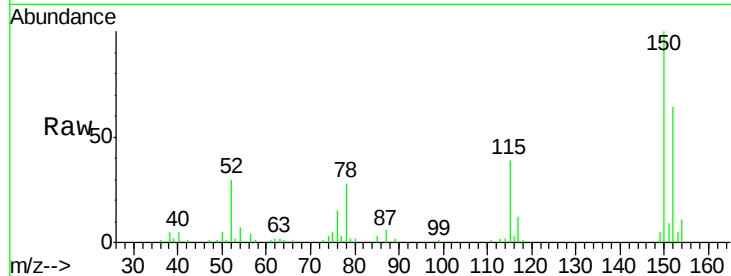


#1

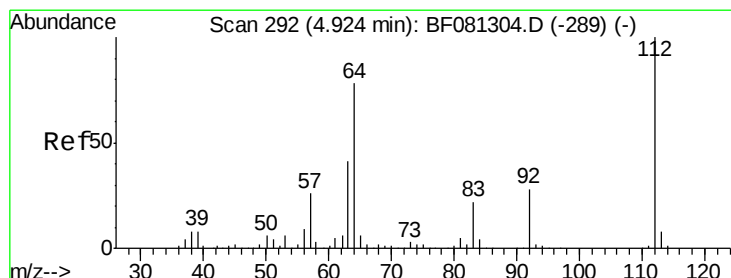
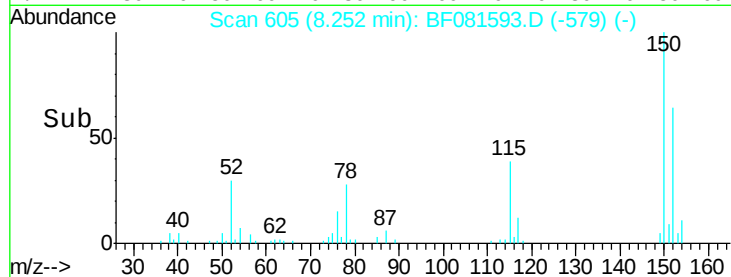
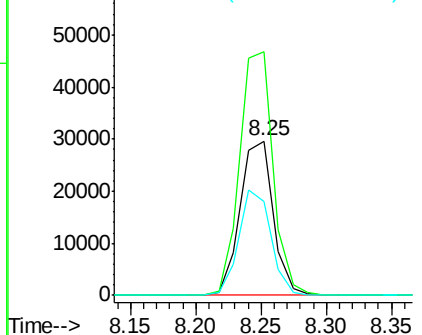
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.25 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)

Tgt Ion:152 Resp: 52475
 Ion Ratio Lower Upper
 152 100
 150 157.5 124.7 187.1
 115 60.7 39.0 58.4#



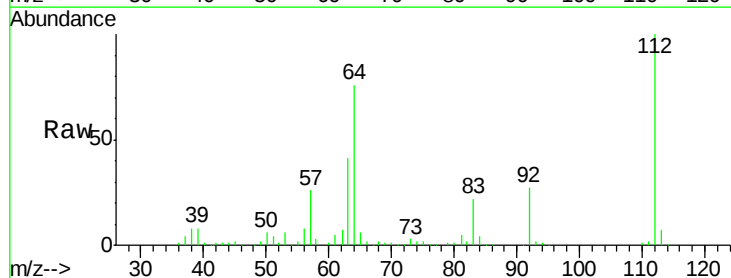
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



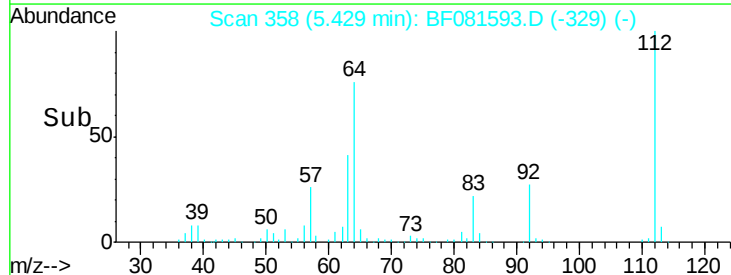
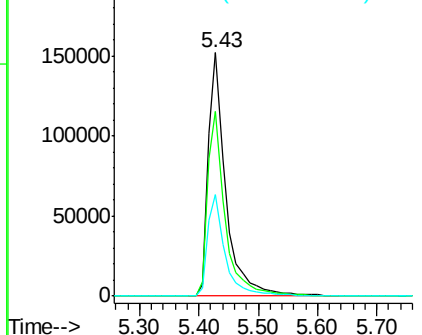
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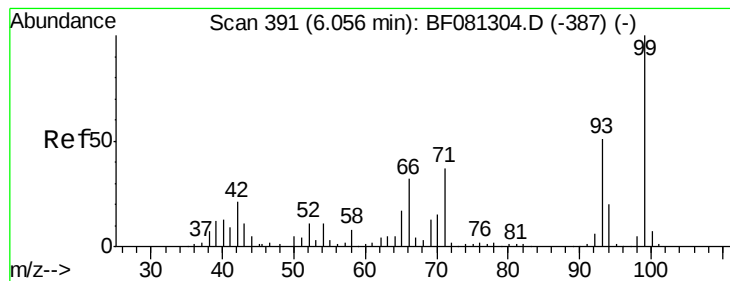
2-Fluorophenol
 Concen: 92.32 ng
 RT: 5.43 min Scan# 358
 Delta R.T. 0.03 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

Tgt Ion:112 Resp: 312257
 Ion Ratio Lower Upper
 112 100
 64 75.6 39.7 59.5#
 63 41.5 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: 97.42 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

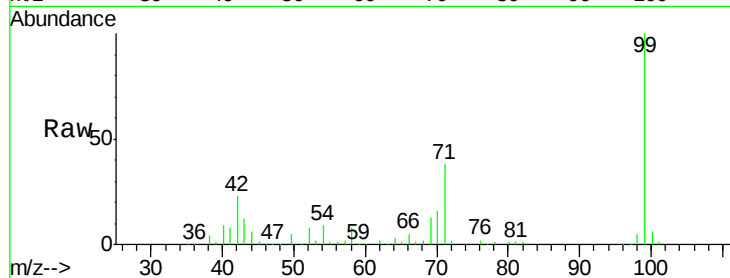
Tgt Ion: 99 Resp: 436152

Ion Ratio Lower Upper

99 100

42 22.8 13.7 20.5#

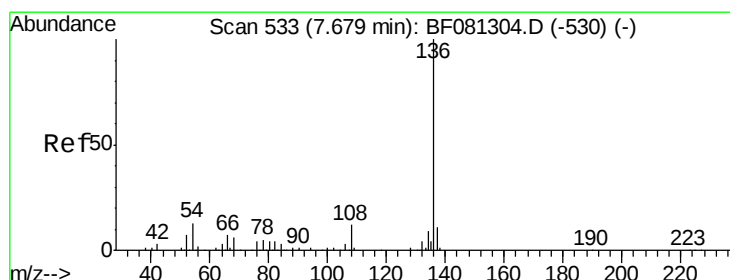
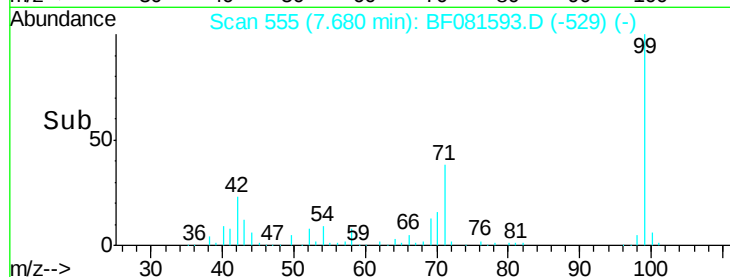
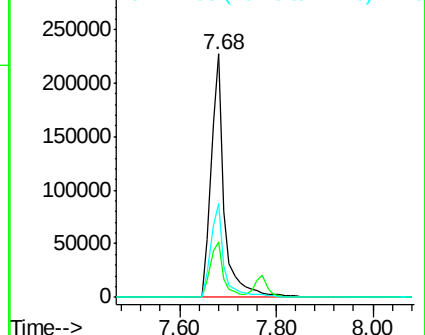
71 38.4 14.2 21.2#



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: 11.14 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Tgt Ion: 136 Resp: 207152

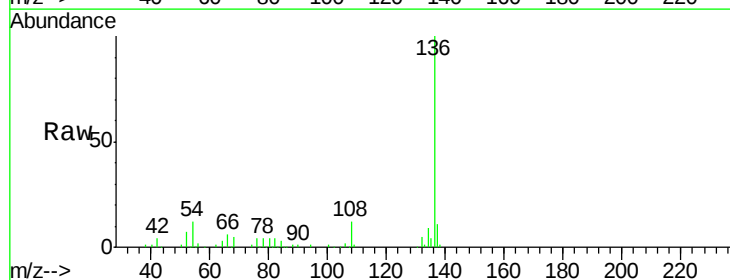
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 12.0 8.2 12.2

68 5.4 5.8 8.6#

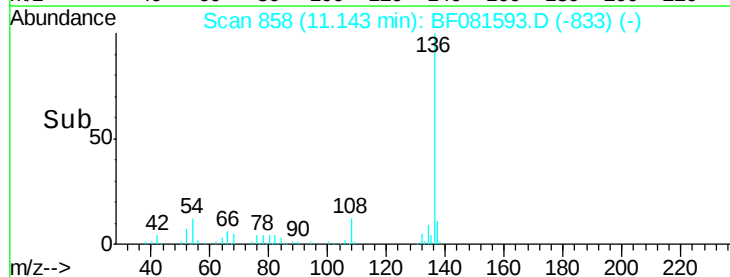
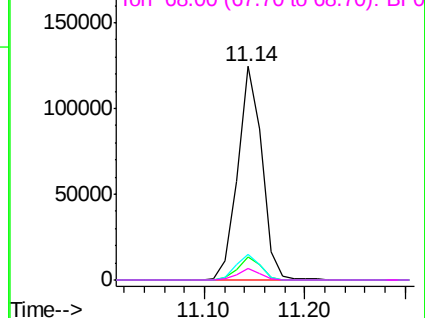


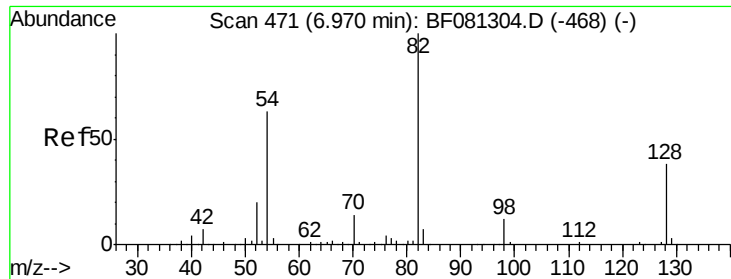
Abundance Ion 136.00 (135.70 to 136.70): E

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

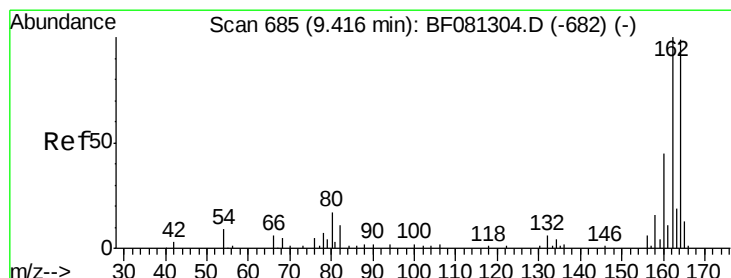
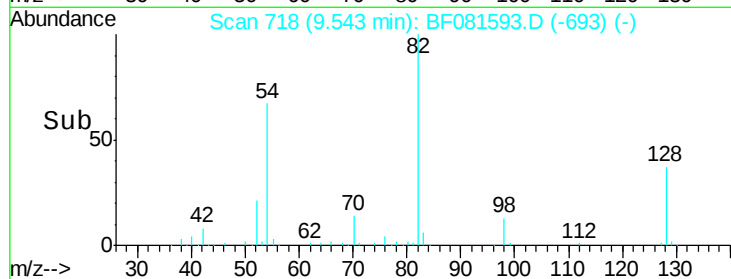
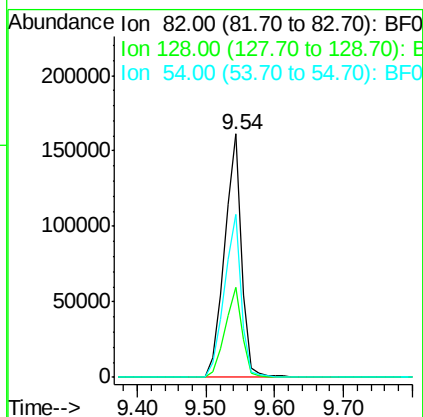
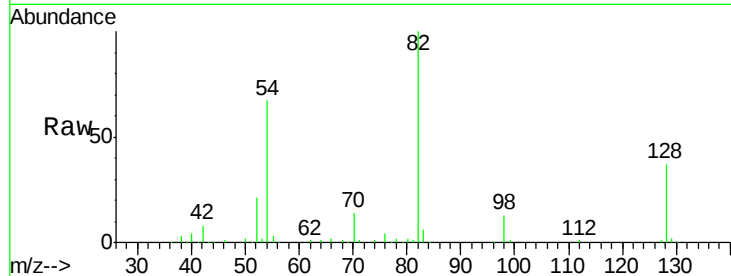




#23
 Nitrobenzene-d5
 Concen: 65.78 ng
 RT: 9.54 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

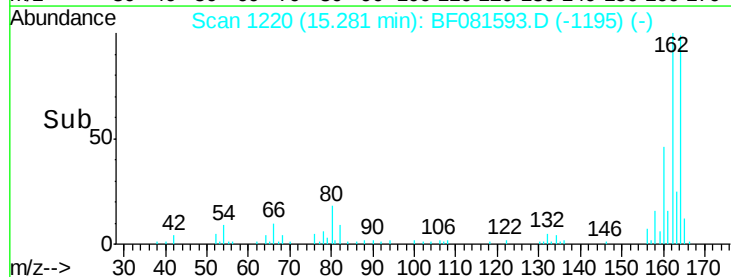
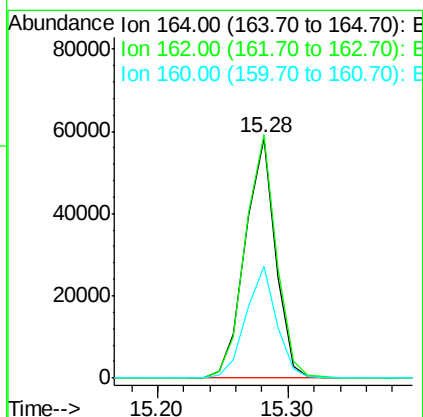
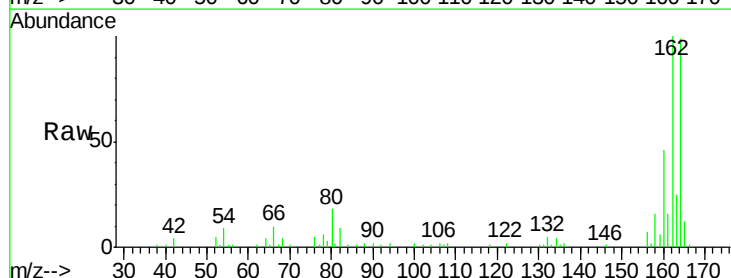
Instrument :
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 SB-04(0-0.16)

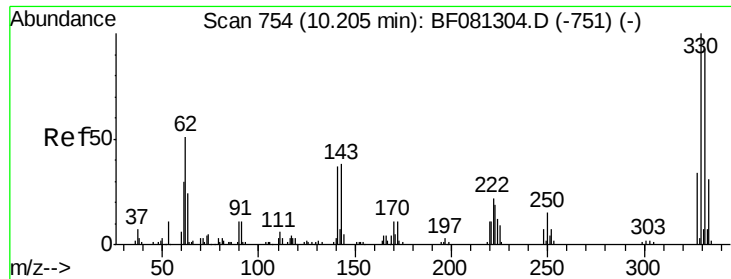
Tgt Ion: 82 Resp: 282445
 Ion Ratio Lower Upper
 82 100
 128 37.1 51.0 76.6#
 54 66.9 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

Tgt Ion: 164 Resp: 94459
 Ion Ratio Lower Upper
 164 100
 162 101.3 75.2 112.8
 160 46.6 31.5 47.3

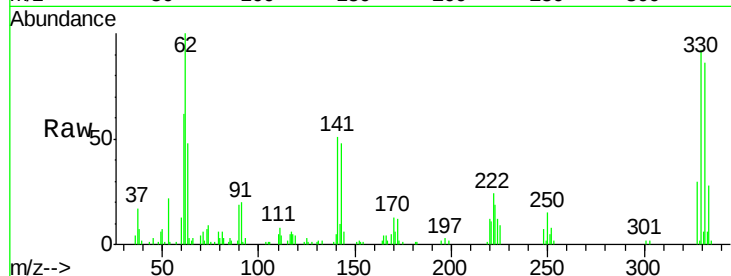




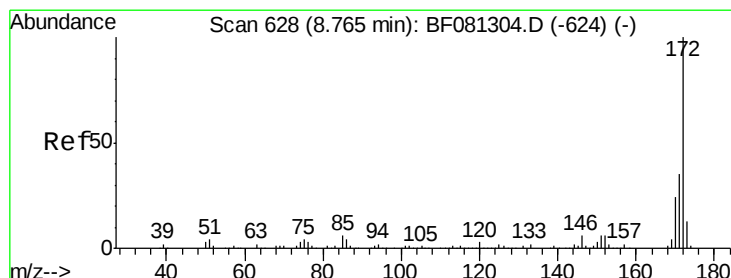
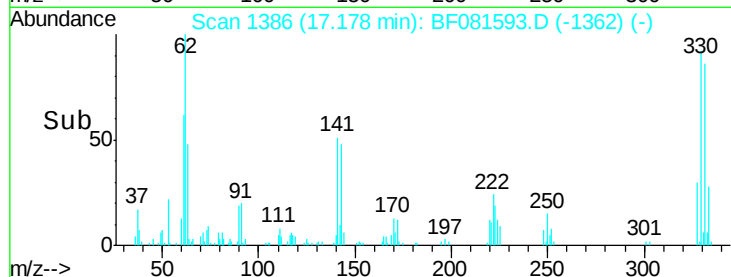
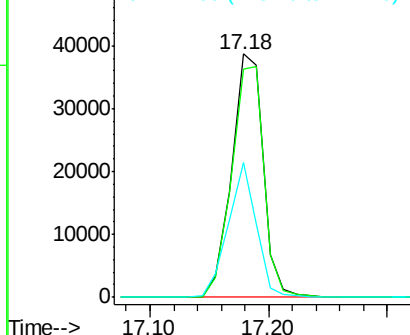
#41
 2,4,6-Tribromophenol
 Concen: 85.15 ng
 RT: 17.18 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)

Tgt Ion:330 Resp: 71613
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 49.6 29.7 44.5#

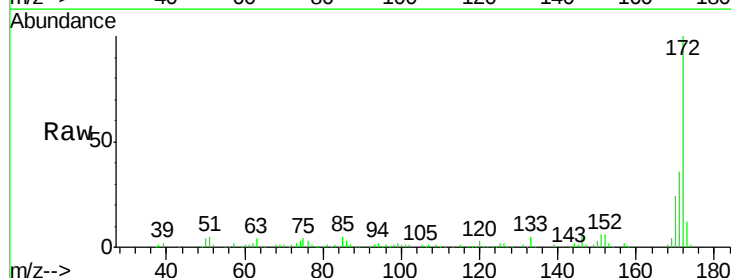


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

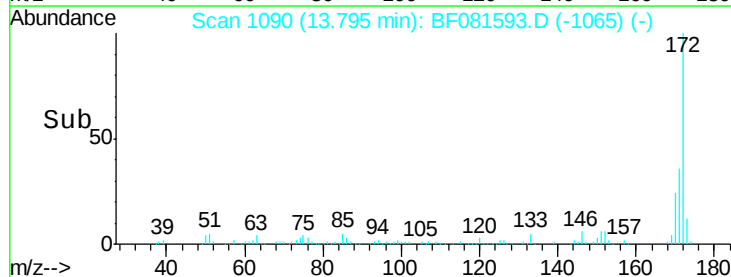
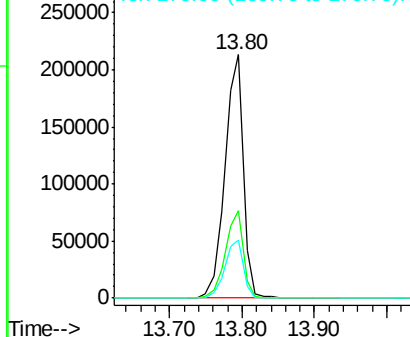


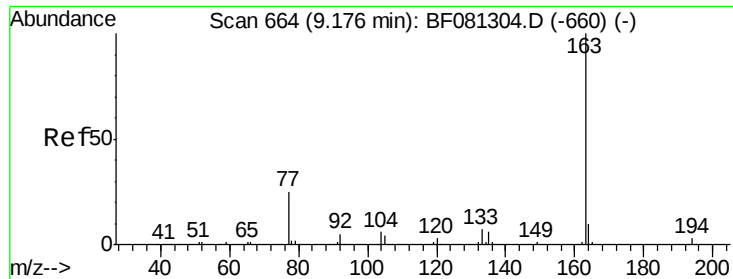
#44
 2-Fluorobiphenyl
 Concen: 50.75 ng
 RT: 13.80 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

Tgt Ion:172 Resp: 374055
 Ion Ratio Lower Upper
 172 100
 171 36.0 26.1 39.1
 170 23.8 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: 15.31 ng

RT: 14.85 min Scan# 1182

Delta R.T. -0.03 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

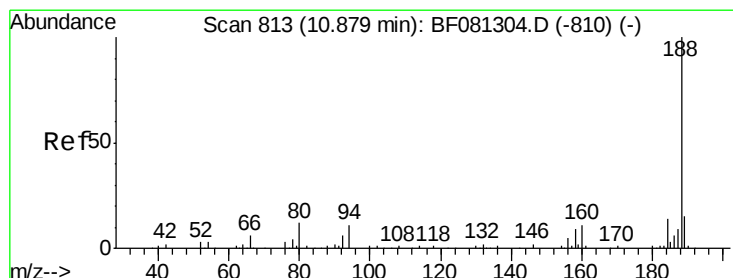
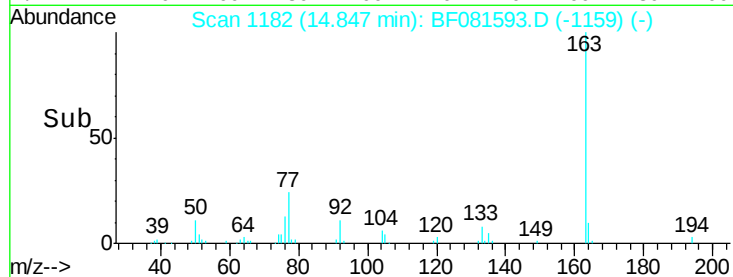
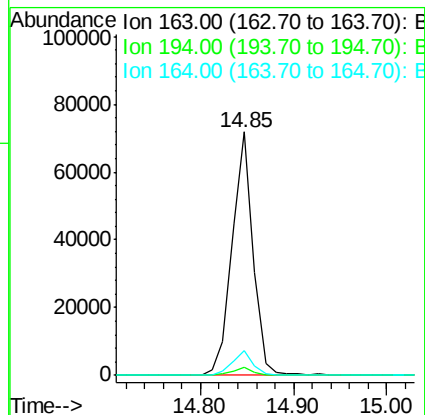
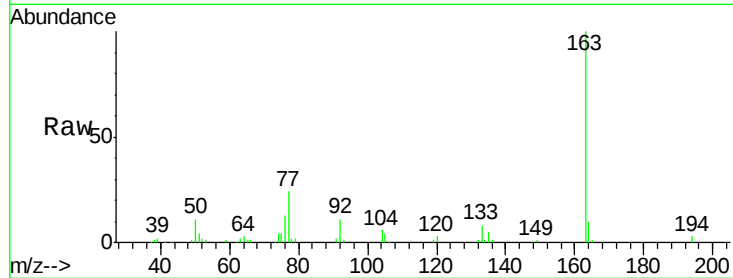
Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

Tgt Ion:	163	Resp:	112324
Ion	Ratio	Lower	Upper
163	100		
194	3.3	4.4	6.6#
164	10.0	8.3	12.5



#63

Phenanthrene-d10

Concen: 20.00 ng

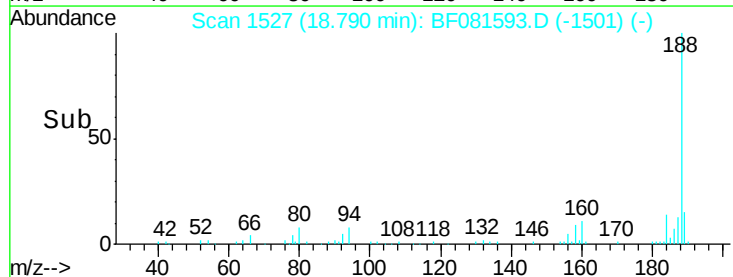
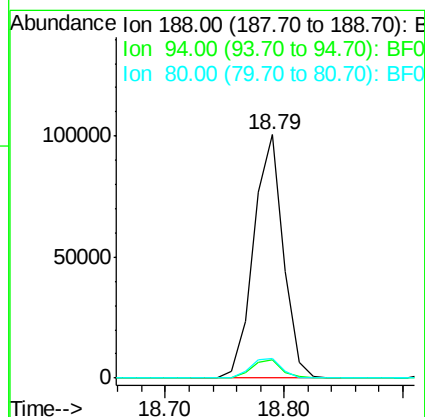
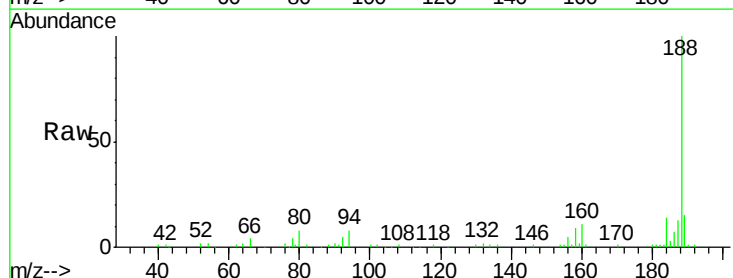
RT: 18.79 min Scan# 1527

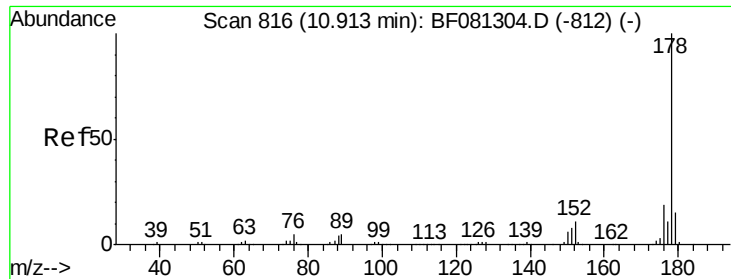
Delta R.T. 0.00 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Tgt Ion:	188	Resp:	175490
Ion	Ratio	Lower	Upper
188	100		
94	7.5	11.1	16.7#
80	8.3	11.0	16.4#

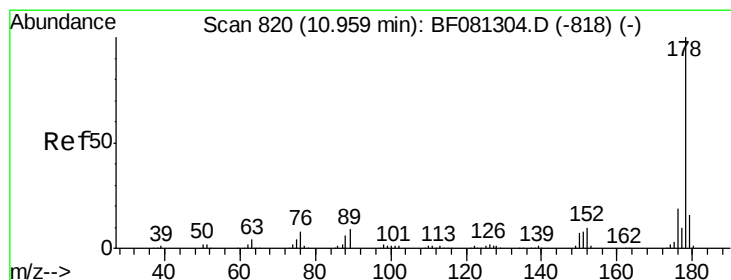
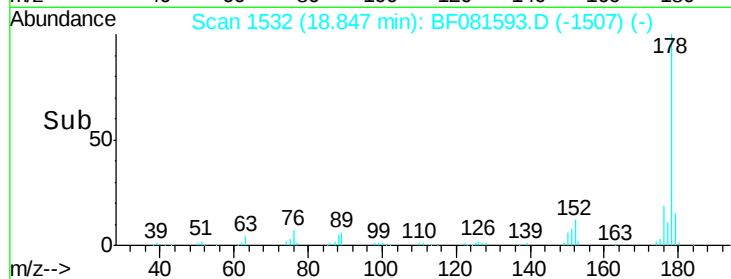
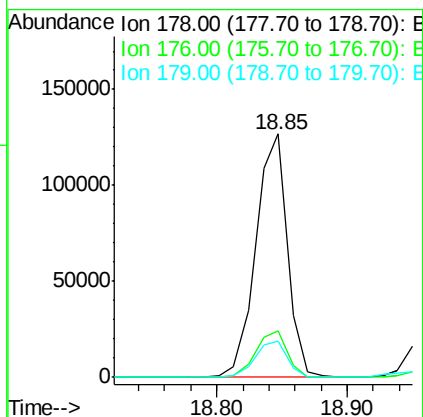
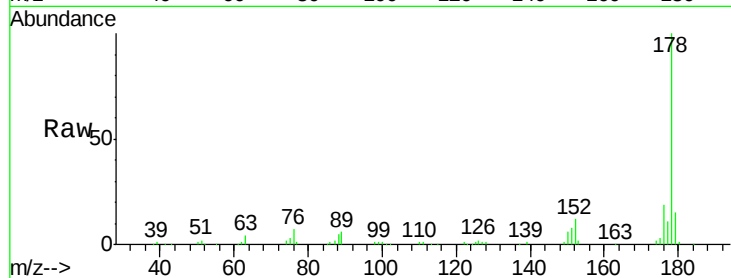




#70
Phenanthrene
Concen: 21.94 ng
RT: 18.85 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BF081593.D
Acq: 11 Sep 2015 20:33

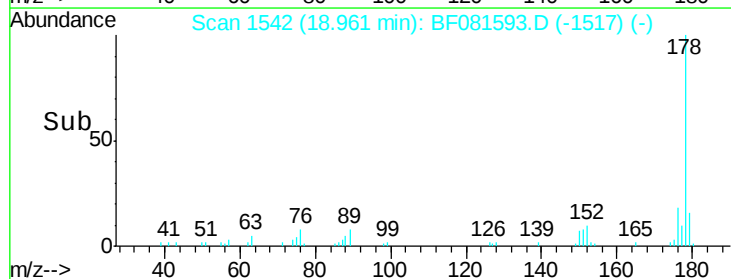
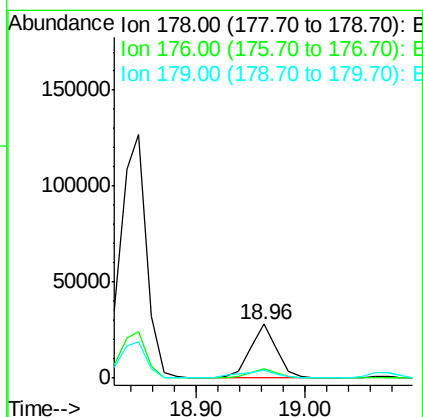
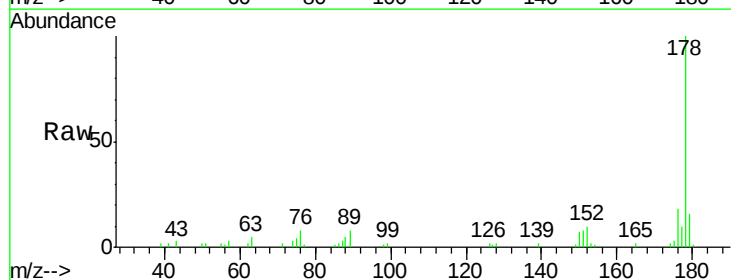
Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)

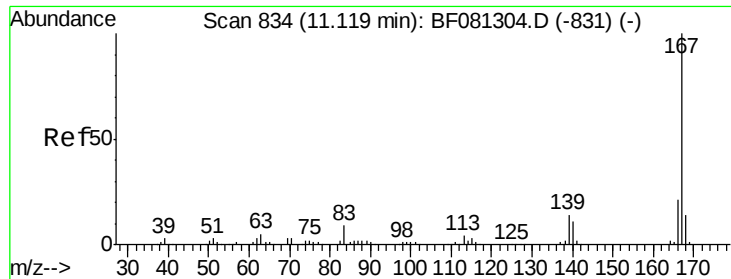
Tgt Ion:178 Resp: 214059
Ion Ratio Lower Upper
178 100
176 19.0 13.8 20.8
179 14.8 12.2 18.2



#71
Anthracene
Concen: 4.80 ng
RT: 18.96 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF081593.D
Acq: 11 Sep 2015 20:33

Tgt Ion:178 Resp: 48066
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 16.0 12.2 18.2





#72

Carbazole

Concen: 3.37 ng

RT: 19.44 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

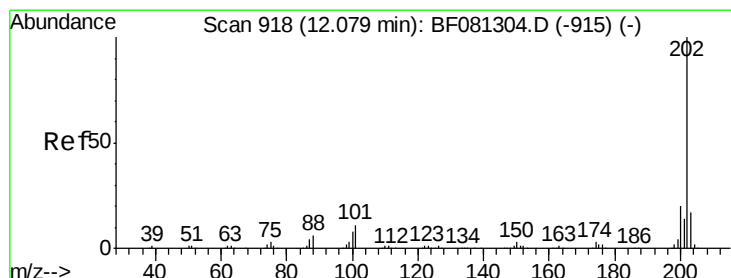
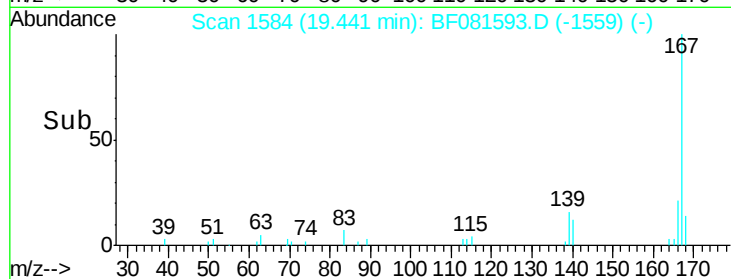
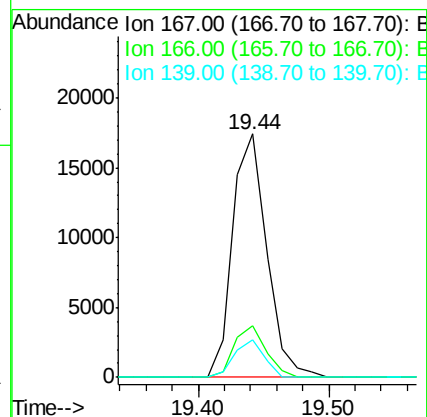
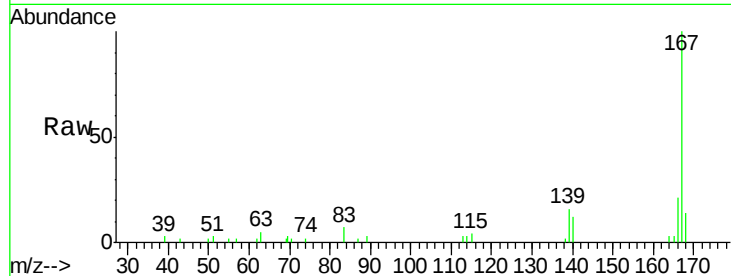
Tgt Ion:167 Resp: 31659

Ion Ratio Lower Upper

167 100

166 21.3 15.7 23.5

139 15.6 9.5 14.3#



#74

Fluoranthene

Concen: 51.32 ng

RT: 21.46 min Scan# 1761

Delta R.T. 0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

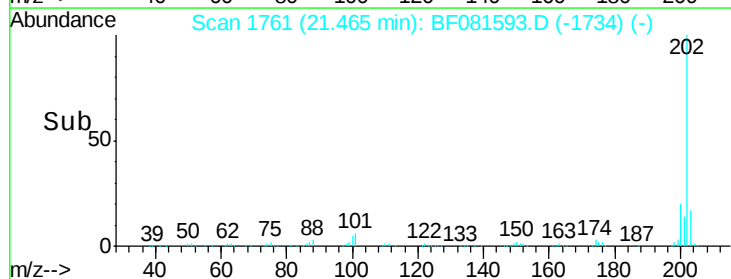
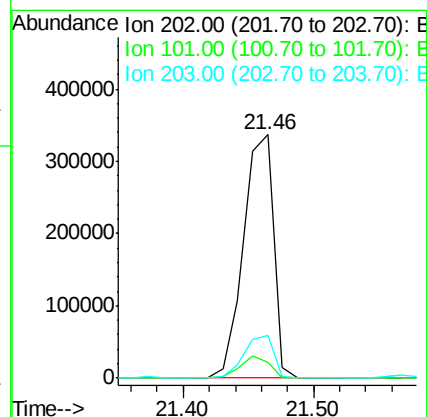
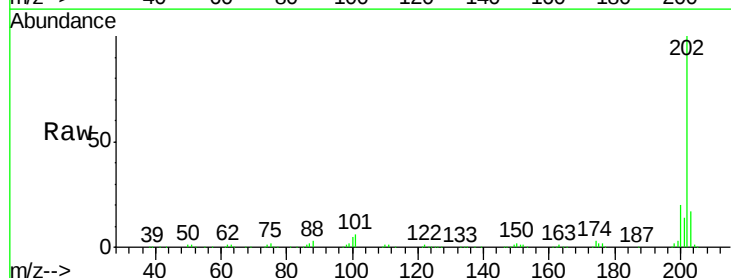
Tgt Ion:202 Resp: 541970

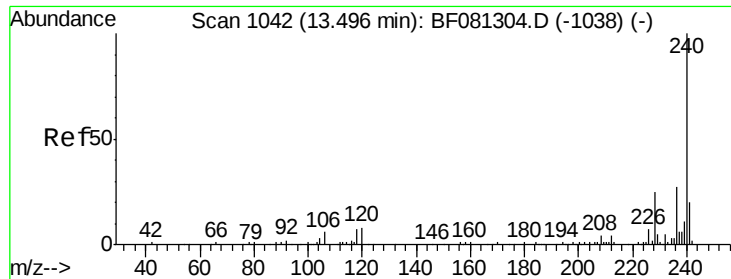
Ion Ratio Lower Upper

202 100

101 6.4 0.0 38.3

203 17.4 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.41 min Scan# 1931

Delta R.T. 0.00 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

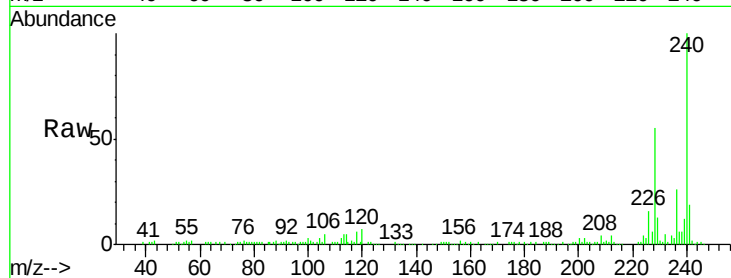
Tgt Ion:240 Resp: 106074

Ion Ratio Lower Upper

240 100

120 7.0 16.2 24.2#

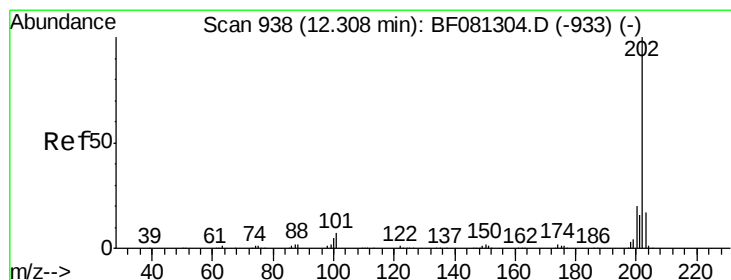
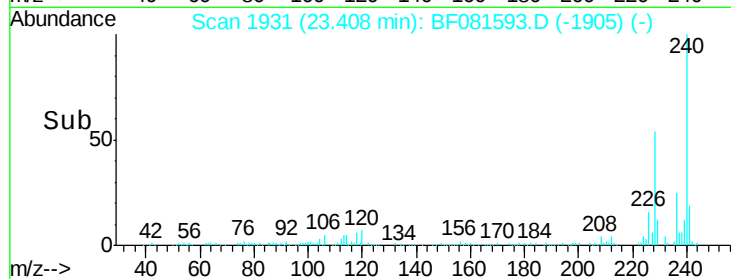
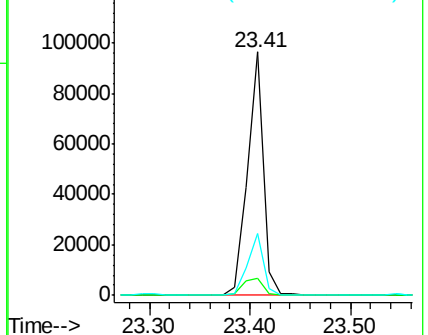
236 25.5 18.4 27.6



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: 62.50 ng

RT: 21.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

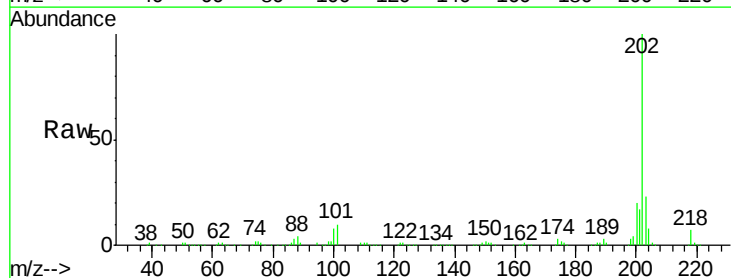
Tgt Ion:202 Resp: 491074

Ion Ratio Lower Upper

202 100

200 20.0 15.0 22.4

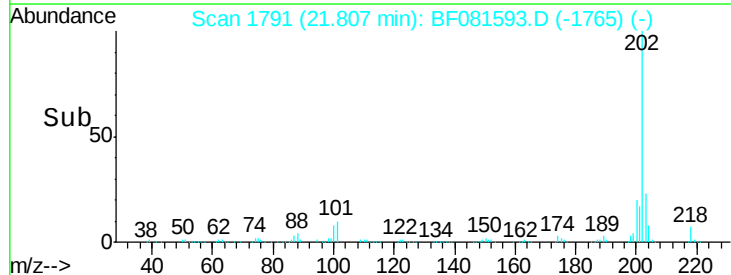
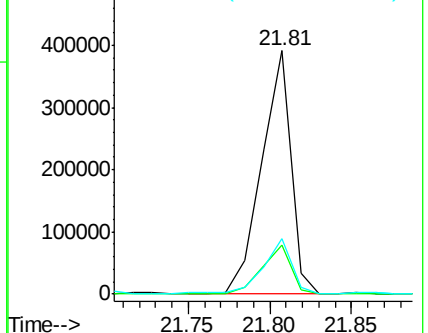
203 22.9 14.1 21.1#

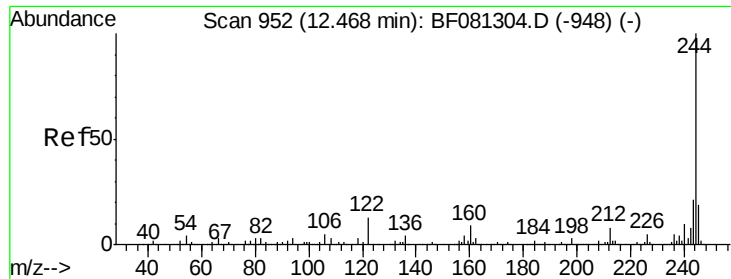


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

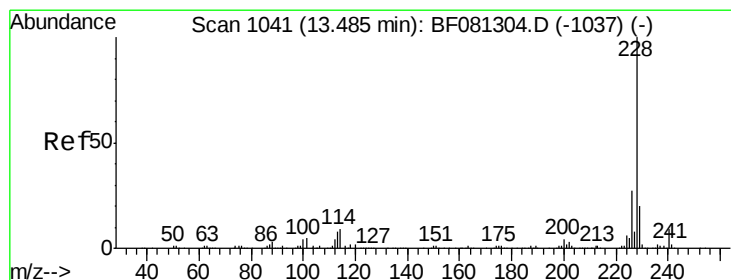
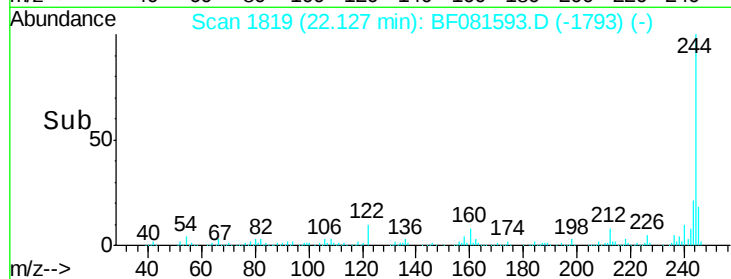
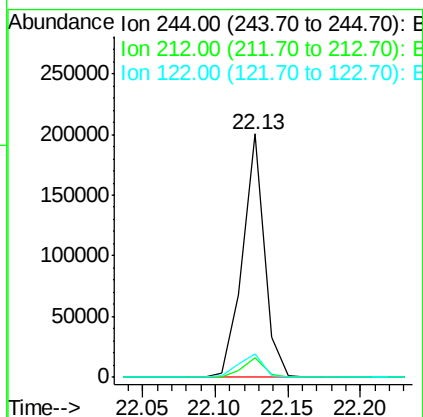
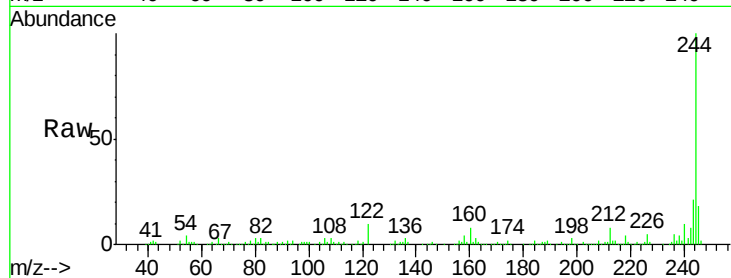




#78
 Terphenyl-d14
 Concen: 46.15 ng
 RT: 22.13 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

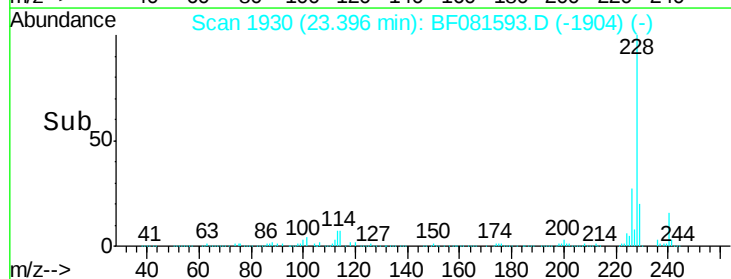
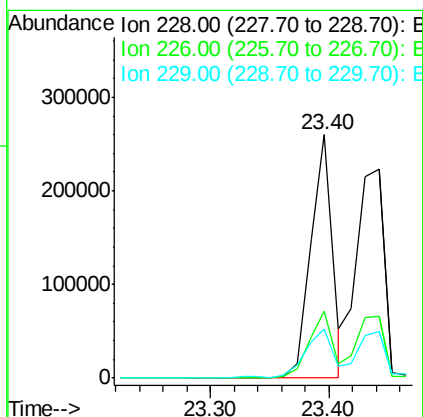
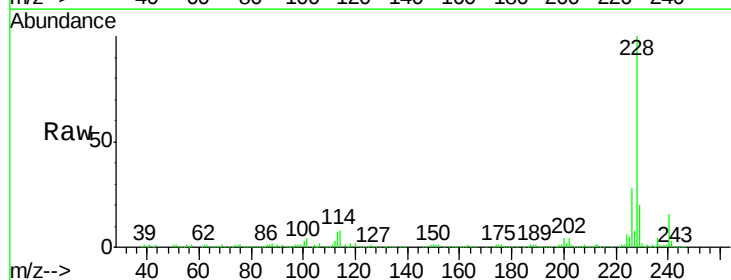
Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)

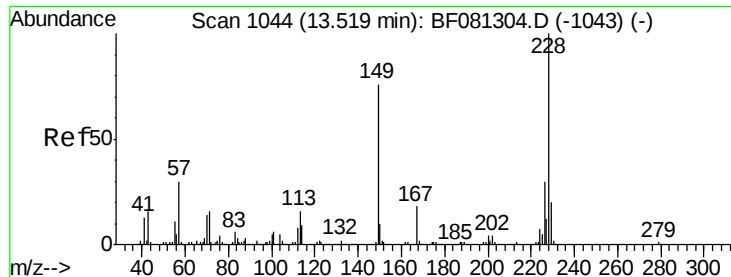
Tgt Ion: 244 Resp: 210294
 Ion Ratio Lower Upper
 244 100
 212 7.9 4.3 6.5#
 122 9.7 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 48.95 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

Tgt Ion: 228 Resp: 330666
 Ion Ratio Lower Upper
 228 100
 226 27.6 20.0 30.0
 229 20.1 15.4 23.2





#82

Chrysene

Concen: 59.00 ng

RT: 23.44 min Scan# 1934

Delta R.T. 0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

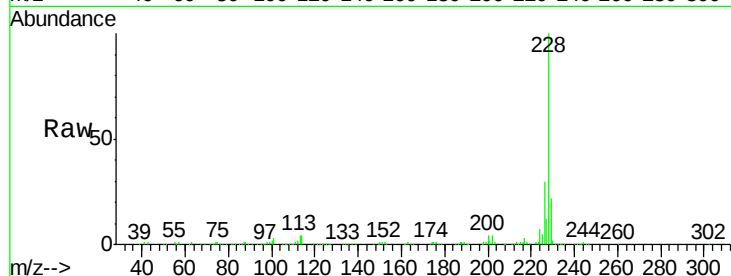
Tgt Ion:228 Resp: 357269

Ion Ratio Lower Upper

228 100

226 29.6 21.0 31.4

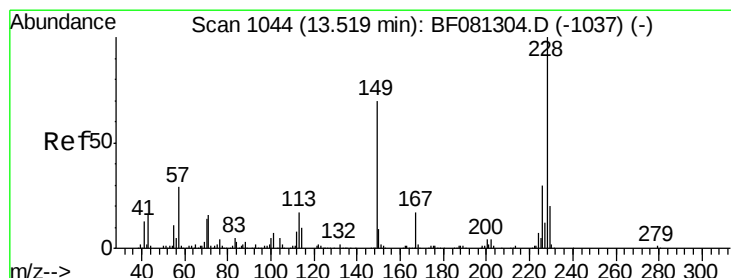
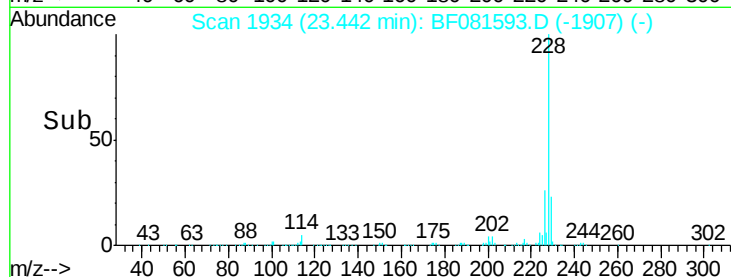
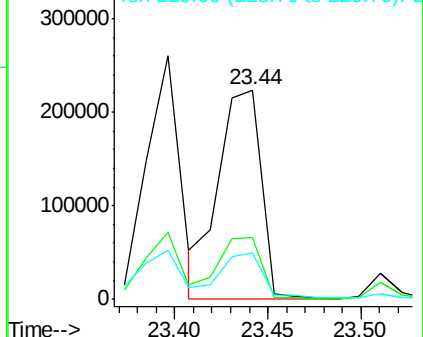
229 22.4 15.6 23.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.28 ng

RT: 23.51 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

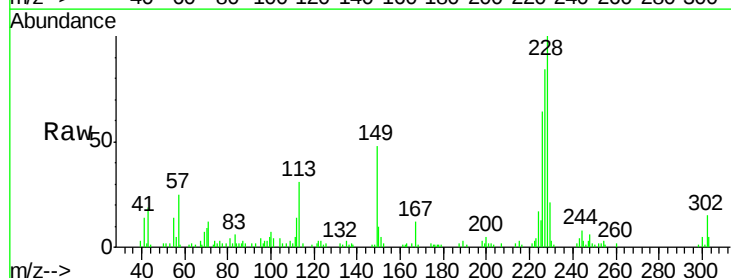
Tgt Ion:149 Resp: 14809

Ion Ratio Lower Upper

149 100

167 24.0 24.2 36.2#

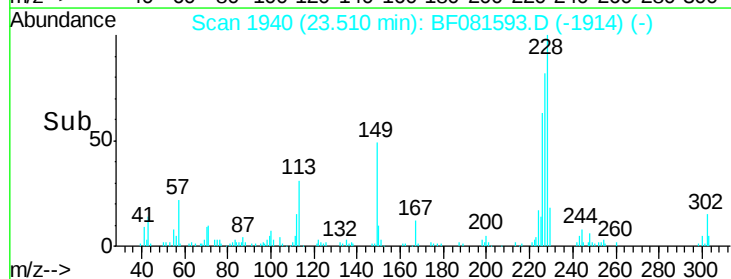
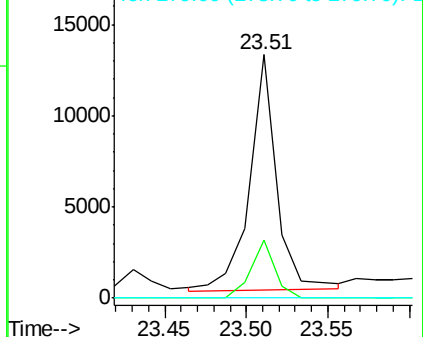
279 0.0 3.8 5.6#

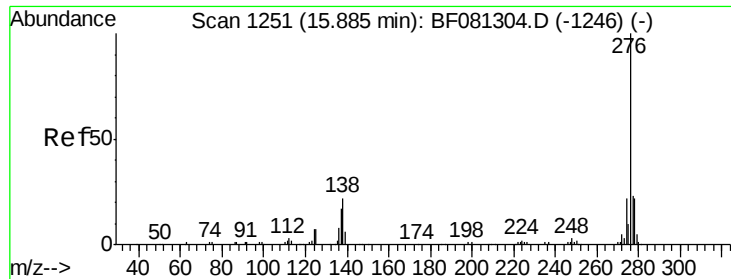


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

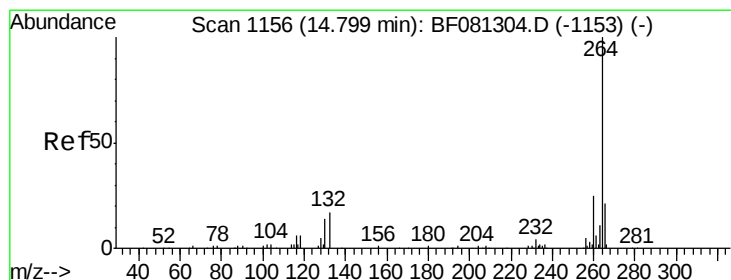
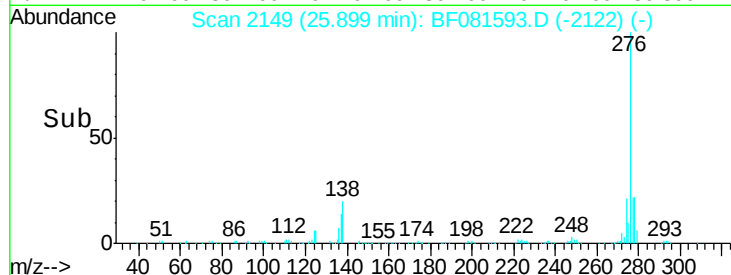
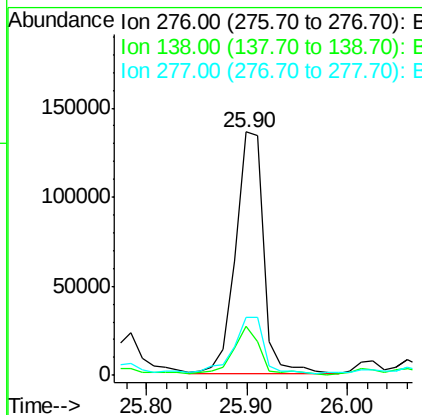
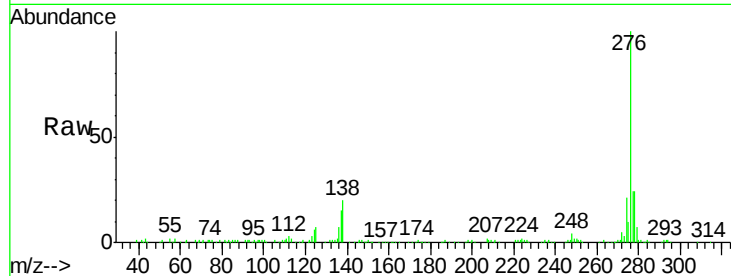




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 59.42 ng
 RT: 25.90 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

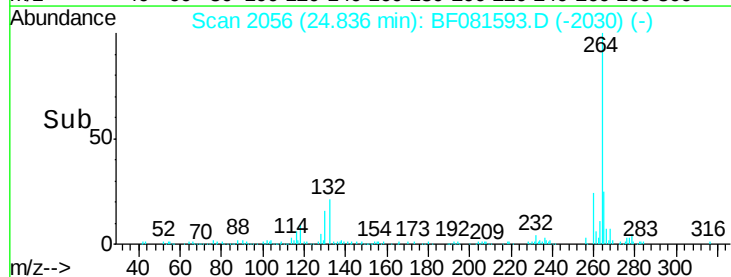
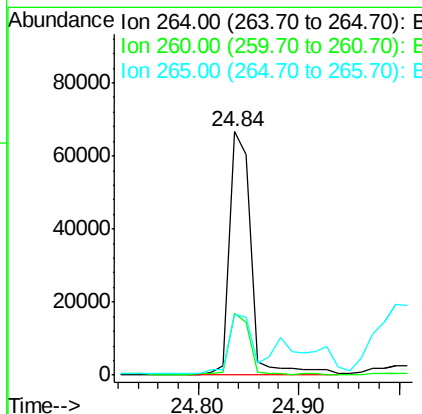
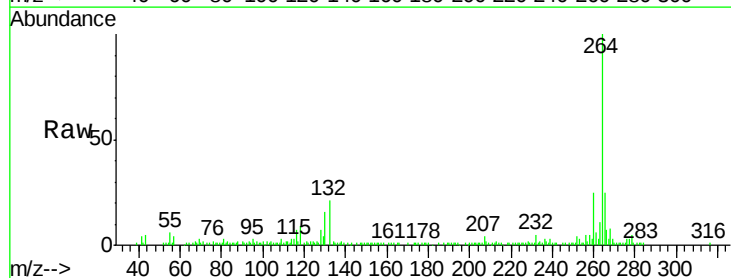
Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)

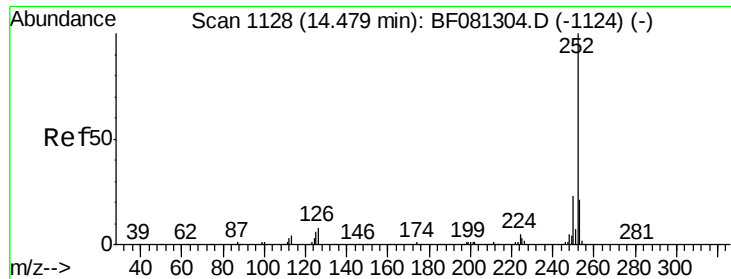
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.7	38.5#
277	25.5	15.6	23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.84 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: BF081593.D
 Acq: 11 Sep 2015 20:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	16.7	25.1#
265	25.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 107.38 ng m

RT: 24.50 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

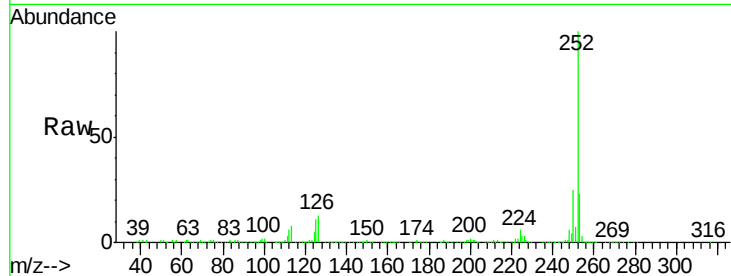
Tgt Ion:252 Resp: 761043

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

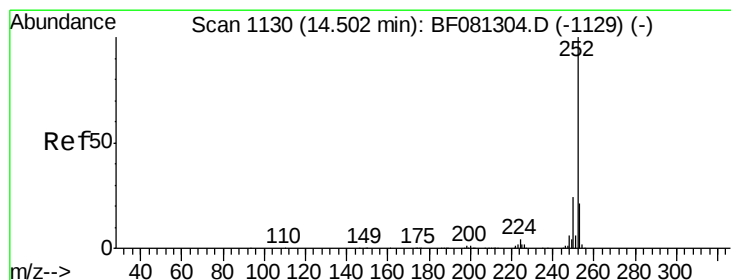
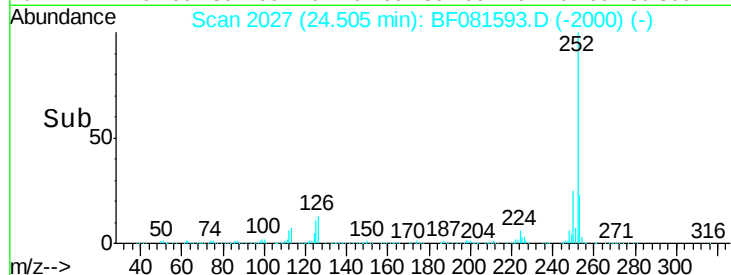
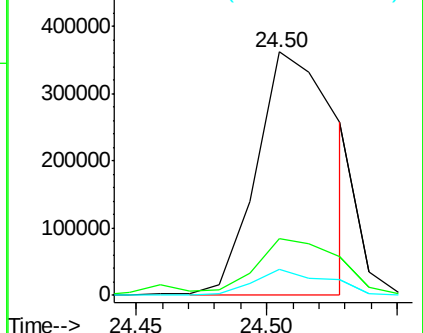
125 10.8 17.1 25.7#



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: 4.74 ng m

RT: 24.53 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

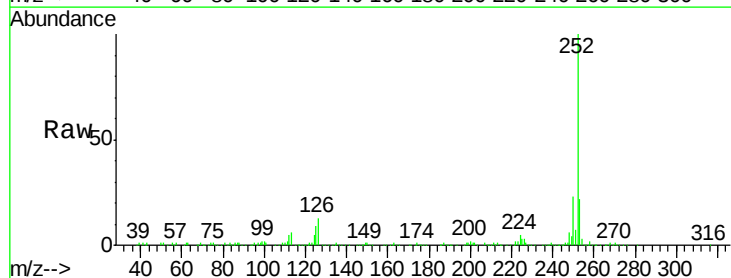
Tgt Ion:252 Resp: 27855

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

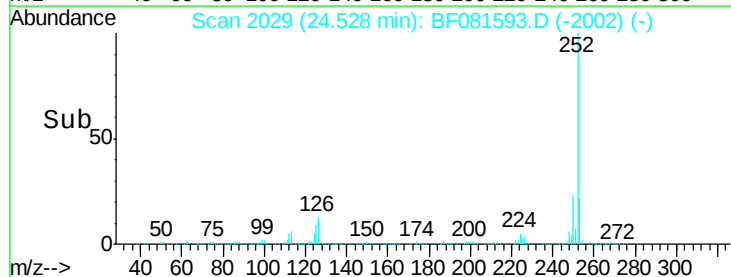
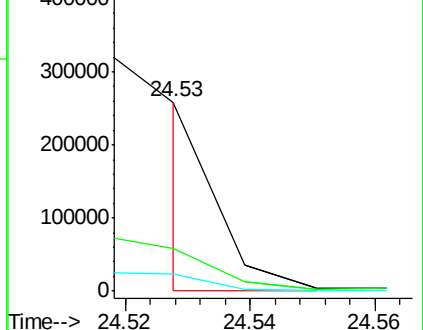
125 9.0 16.0 24.0#

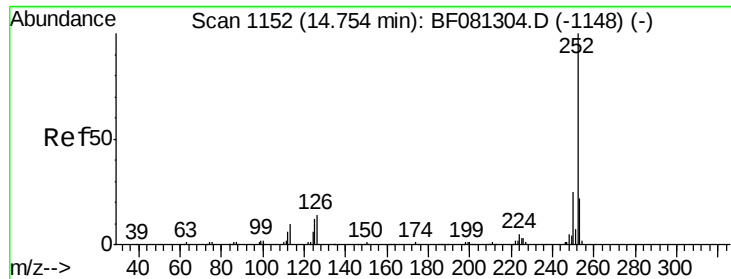


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 75.68 ng

RT: 24.80 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

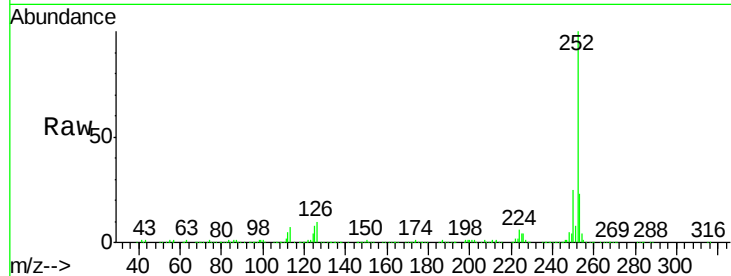
Tgt Ion:252 Resp: 454515

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

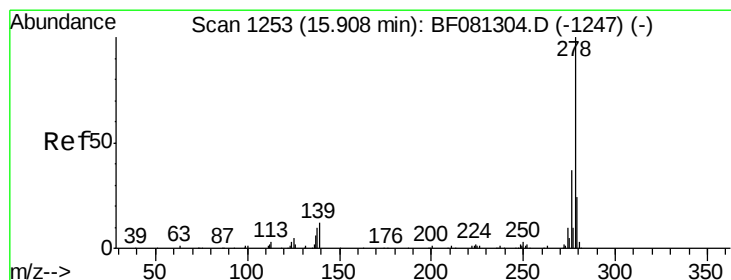
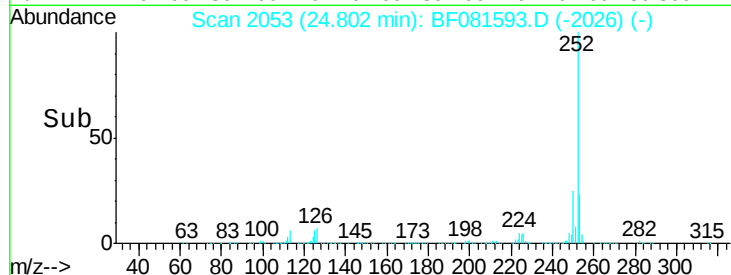
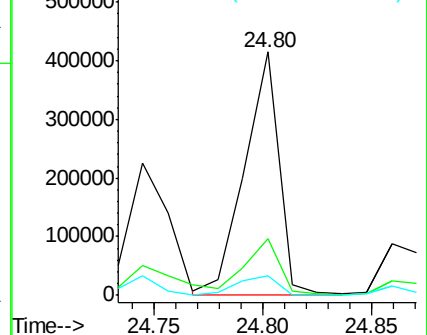
125 7.8 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 15.18 ng m

RT: 25.91 min Scan# 2150

Delta R.T. 0.01 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

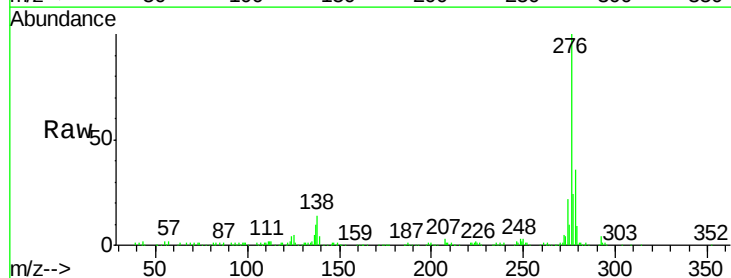
Tgt Ion:278 Resp: 70442

Ion Ratio Lower Upper

278 100

139 11.7 26.3 39.5#

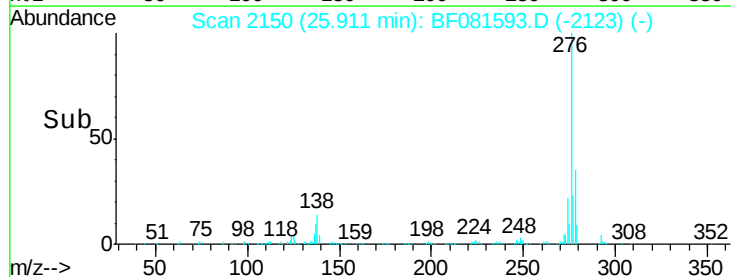
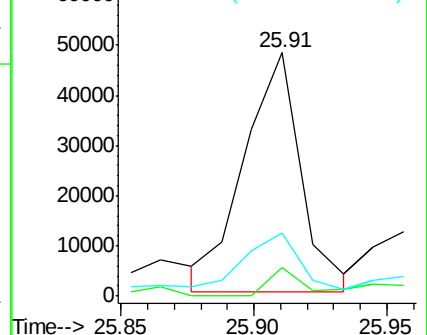
279 26.1 18.2 27.4

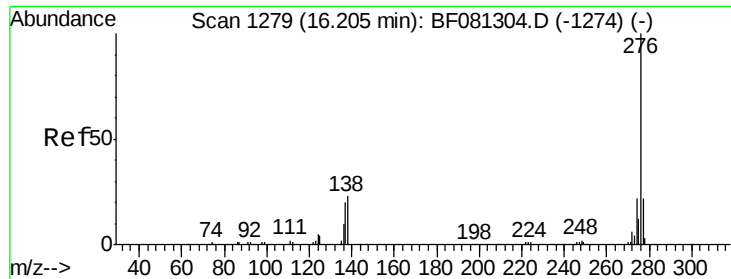


Abundance Ion 278.00 (277.70 to 278.70): E

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: 52.39 ng

RT: 26.22 min Scan# 2177

Delta R.T. 0.02 min

Lab File: BF081593.D

Acq: 11 Sep 2015 20:33

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)

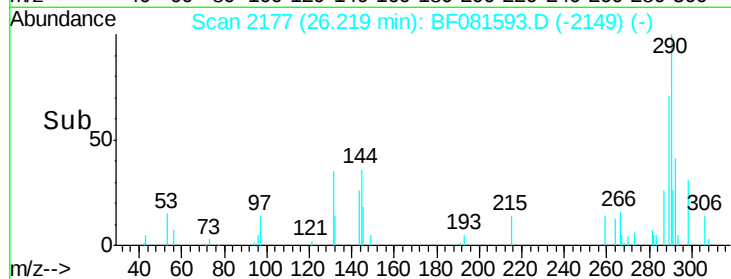
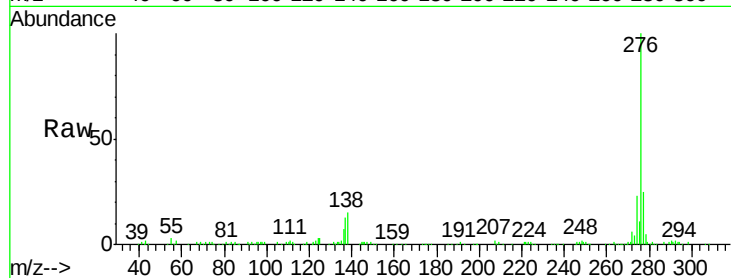
Tgt Ion: 276 Resp: 232073

Ion Ratio Lower Upper

276 100

277 24.6 17.8 26.6

138 15.4 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

