

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081594.D
 Acq On : 11 Sep 2015 21:10
 Operator : UM/IZ
 Sample : G3511-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09(0-0.16)

Quant Time: Sep 14 07:00:33 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

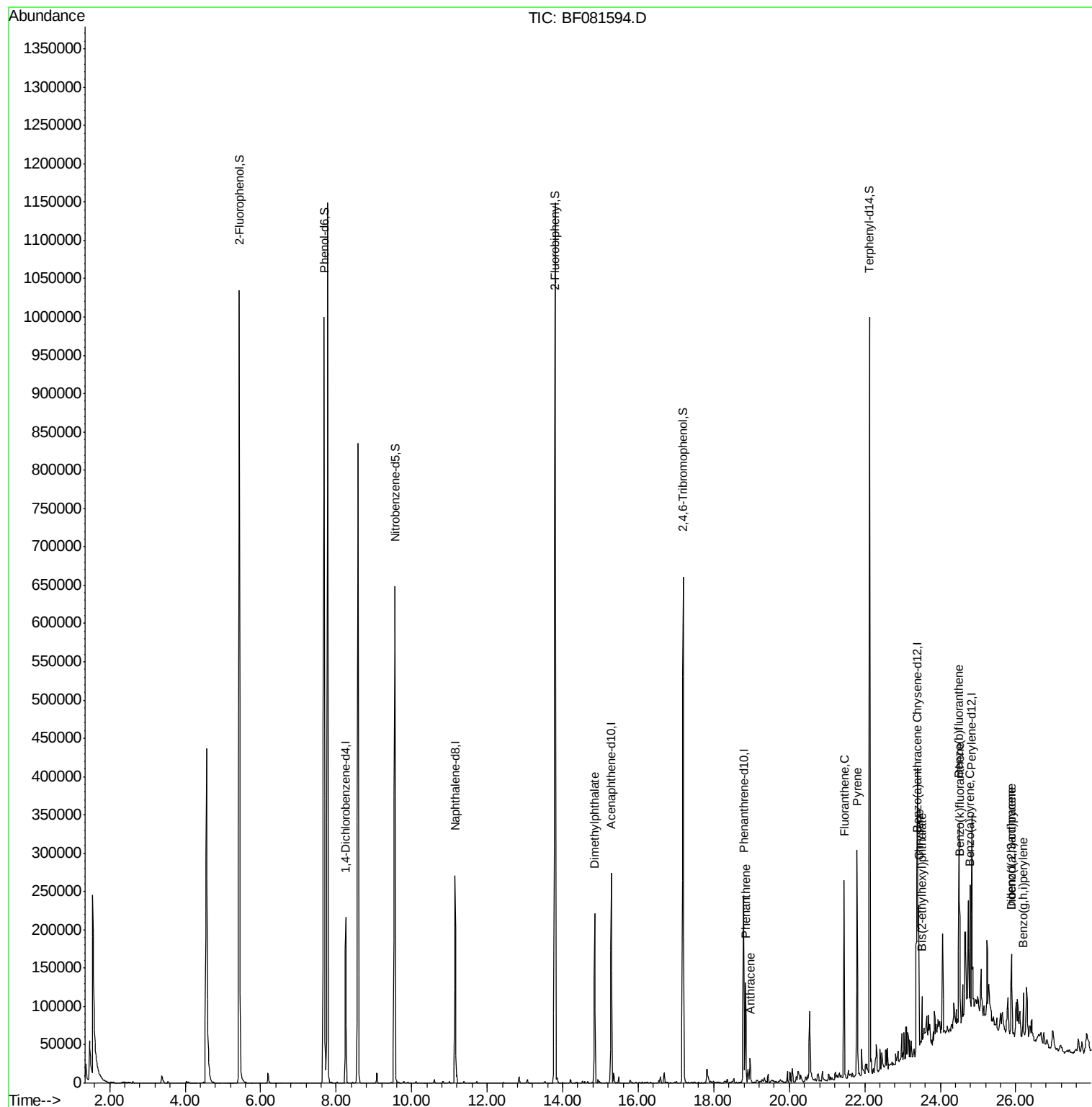
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	55284	20.00	ng	0.00
21) Naphthalene-d8	11.14	136	214040	20.00	ng	-0.01
38) Acenaphthene-d10	15.28	164	98158	20.00	ng	-0.01
63) Phenanthrene-d10	18.79	188	173571	20.00	ng	0.00
75) Chrysene-d12	23.40	240	100556	20.00	ng	-0.01
86) Perylene-d12	24.84	264	97457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	469604	131.79	ng	0.03
7) Phenol-d6	7.68	99	643105	136.35	ng	0.00
23) Nitrobenzene-d5	9.55	82	429886	96.90	ng	0.00
41) 2,4,6-Tribromophenol	17.19	330	118598	135.70	ng	-0.01
44) 2-Fluorobiphenyl	13.80	172	735431	96.01	ng	-0.01
78) Terphenyl-d14	22.13	244	467724	108.28	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.85	163	143700	18.84	ng	# 96
70) Phenanthrene	18.84	178	85988	8.91	ng	97
71) Anthracene	18.96	178	21664	2.19	ng	96
74) Fluoranthene	21.45	202	159241	15.24	ng	86
77) Pyrene	21.80	202	150045	20.14	ng	97
80) Benzo(a)anthracene	23.38	228	87814	13.71	ng	94
82) Chrysene	23.43	228	76876	13.39	ng	94
83) Bis(2-ethylhexyl)phthalate	23.51	149	10438	2.44	ng	# 88
85) Indeno(1,2,3-cd)pyrene	25.89	276	52659	12.50	ng	# 83
87) Benzo(b)fluoranthene	24.49	252	118528m	17.04	ng	
88) Benzo(k)fluoranthene	24.50	252	44581m	7.72	ng	
89) Benzo(a)pyrene	24.79	252	79840	13.54	ng	# 82
90) Dibenzo(a,h)anthracene	25.89	278	13802m	3.03	ng	
91) Benzo(g,h,i)perylene	26.20	276	46113	10.60	ng	# 71

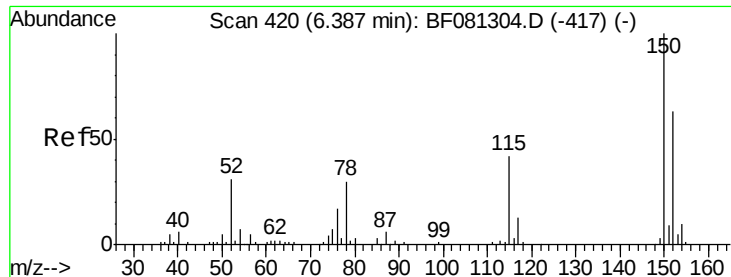
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

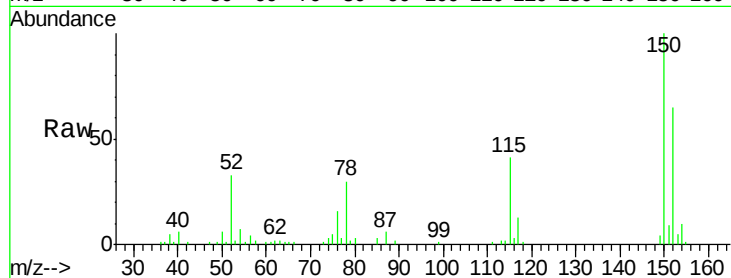
Tgt Ion:152 Resp: 55284

Ion Ratio Lower Upper

152 100

150 152.9 124.7 187.1

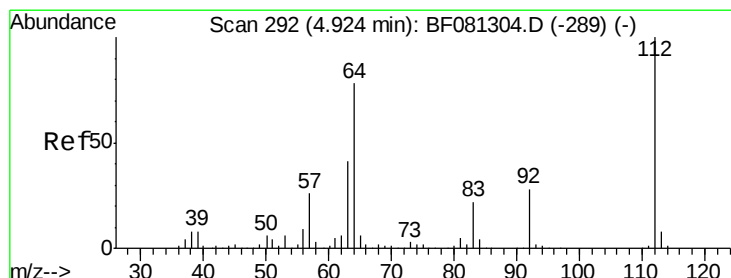
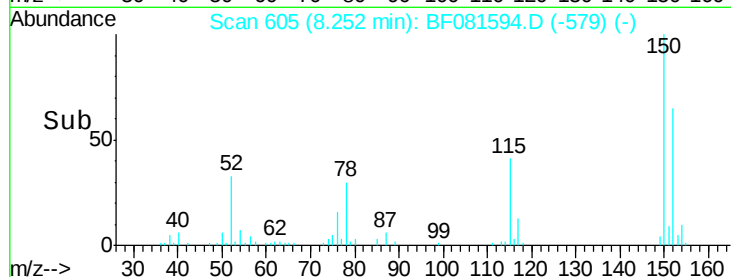
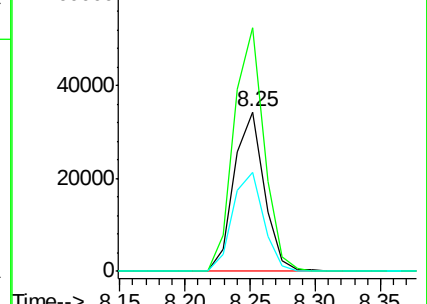
115 62.5 39.0 58.4#



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: 131.79 ng

RT: 5.43 min Scan# 358

Delta R.T. 0.03 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

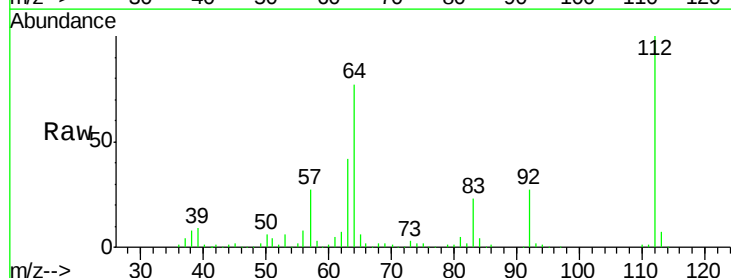
Tgt Ion:112 Resp: 469604

Ion Ratio Lower Upper

112 100

64 76.9 39.7 59.5#

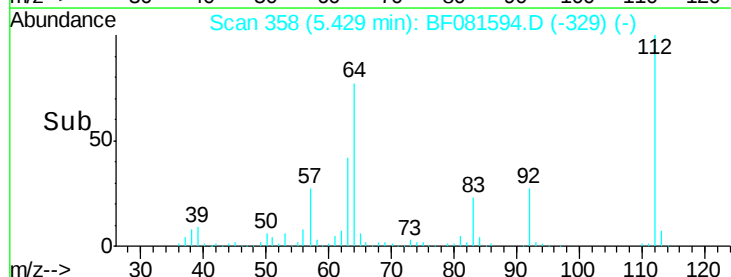
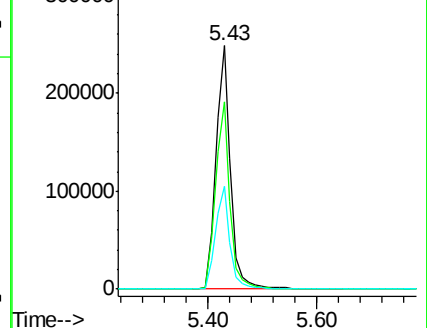
63 42.1 17.4 26.0#

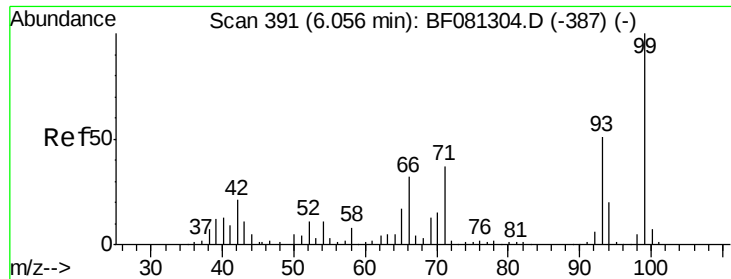


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.35 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

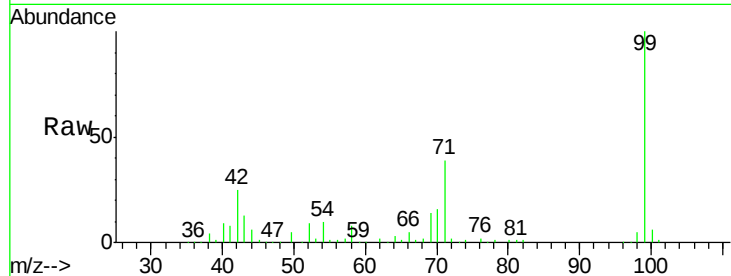
Tgt Ion: 99 Resp: 643105

Ion Ratio Lower Upper

99 100

42 24.7 13.7 20.5#

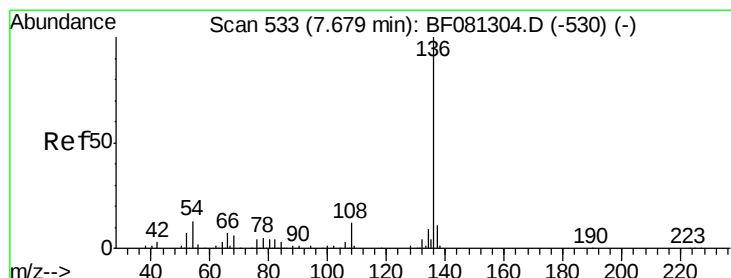
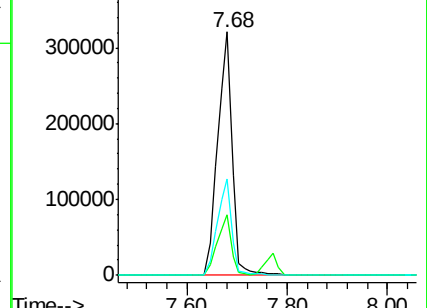
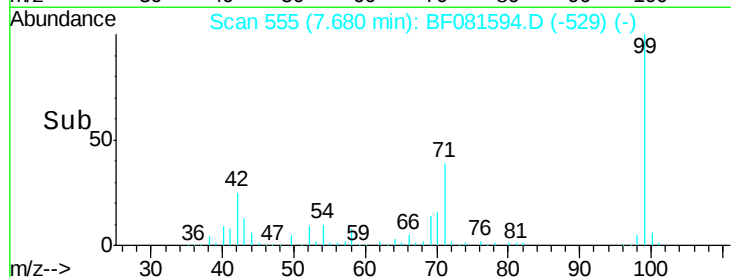
71 39.4 14.2 21.2#



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: BF081594.D

Acq: 11 Sep 2015 21:10

Tgt Ion: 136 Resp: 214040

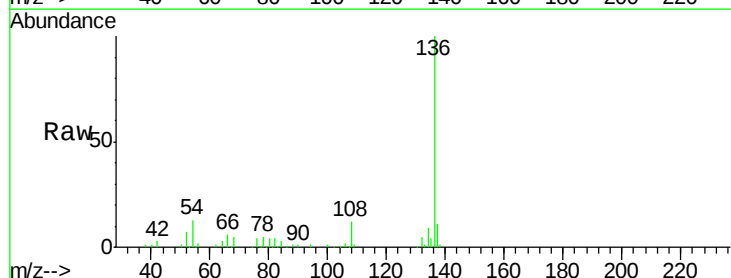
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.6 8.2 12.2#

68 5.2 5.8 8.6#

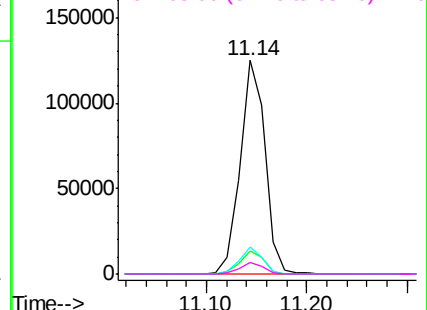
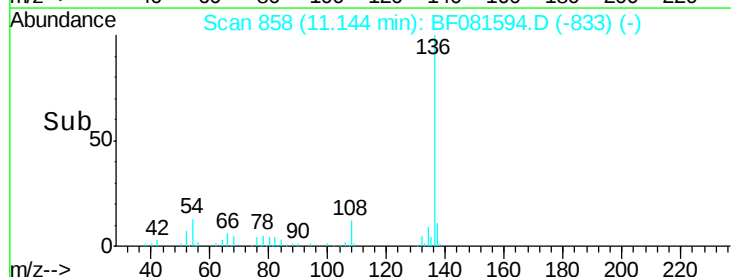


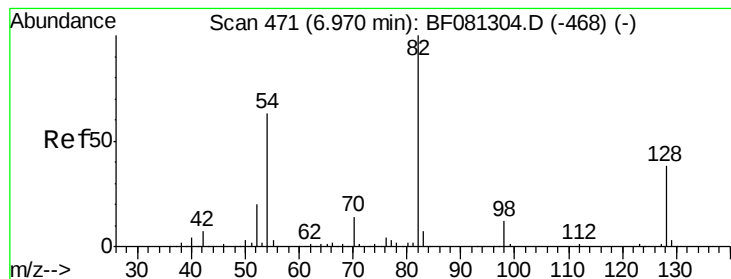
Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.90 ng

RT: 9.55 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

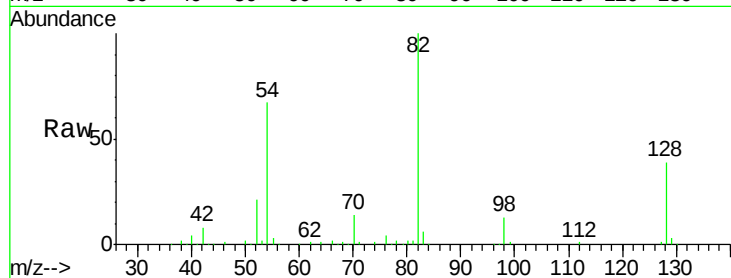
Tgt Ion: 82 Resp: 429886

Ion Ratio Lower Upper

82 100

128 39.2 51.0 76.6#

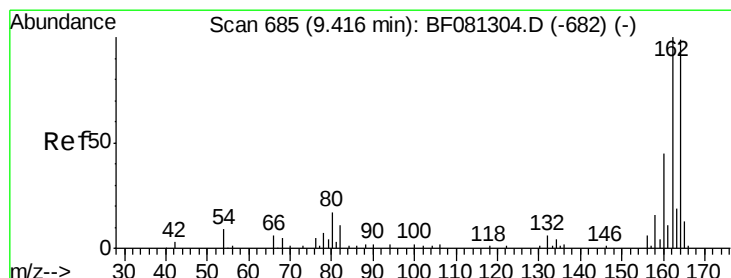
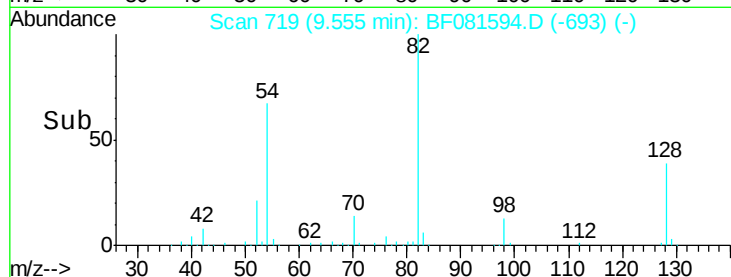
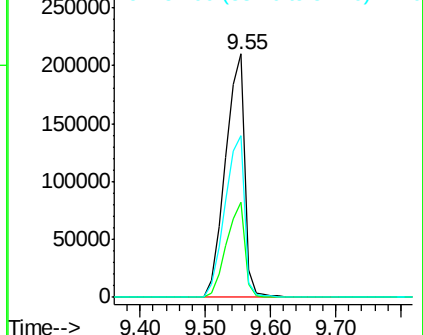
54 66.6 47.5 71.3



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: 15.28 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

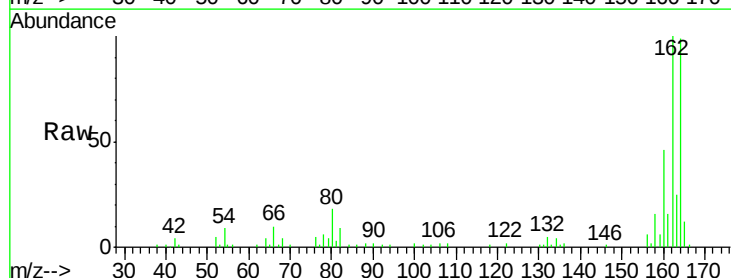
Tgt Ion: 164 Resp: 98158

Ion Ratio Lower Upper

164 100

162 100.5 75.2 112.8

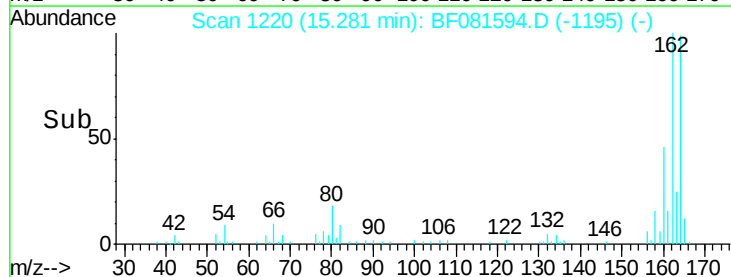
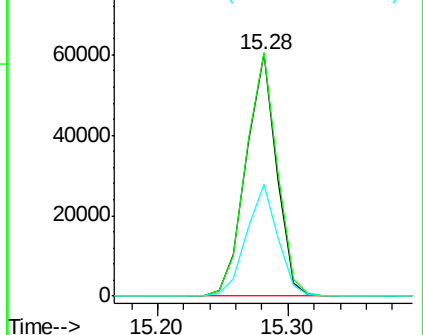
160 46.3 31.5 47.3

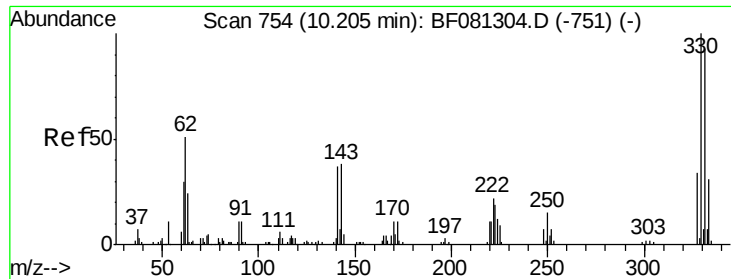


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

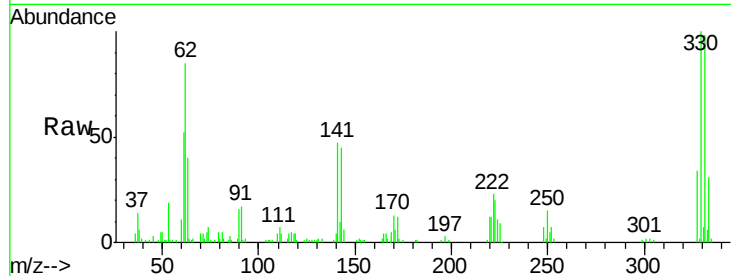




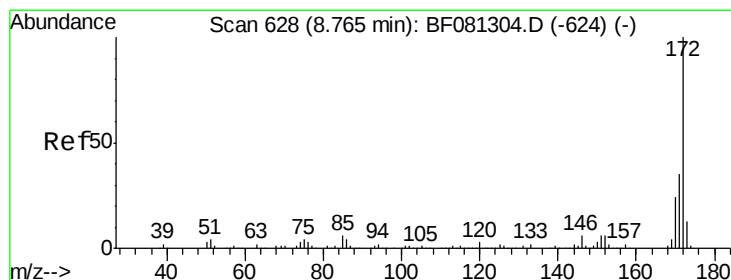
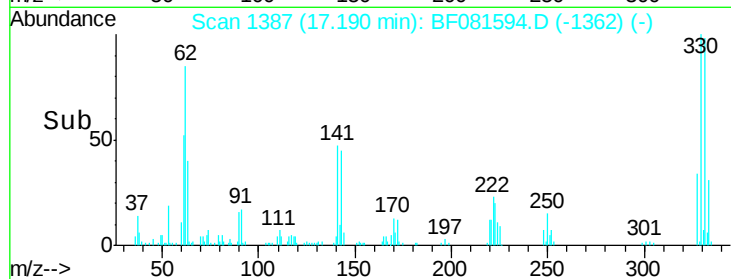
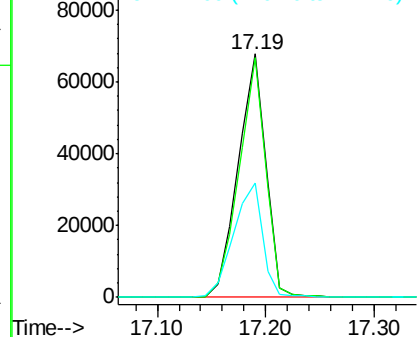
#41
 2,4,6-Tribromophenol
 Concen: 135.70 ng
 RT: 17.19 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF081594.D
 Acq: 11 Sep 2015 21:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-09(0-0.16)

Tgt Ion: 330 Resp: 118598
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 114.8
 141 49.3 29.7 44.5#

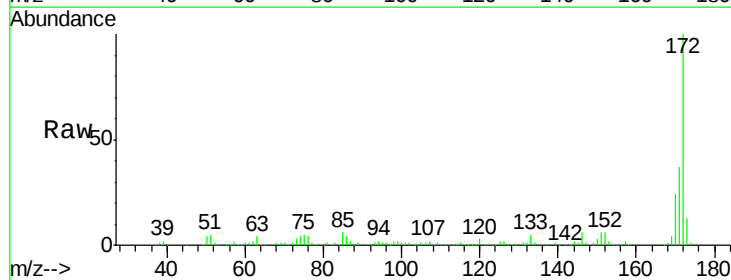


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

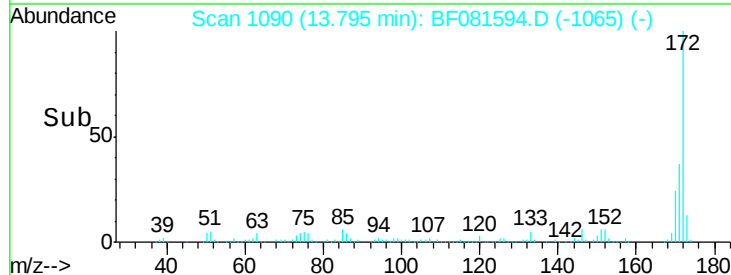
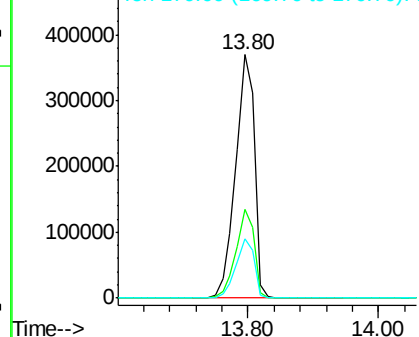


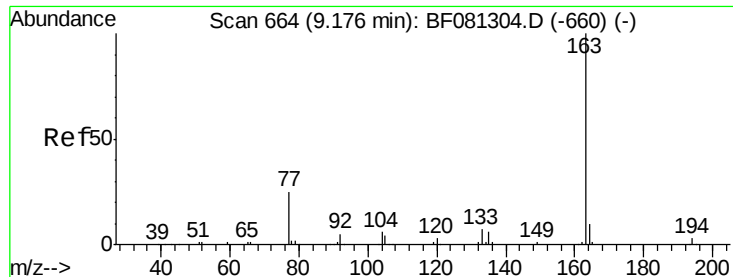
#44
 2-Fluorobiphenyl
 Concen: 96.01 ng
 RT: 13.80 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: BF081594.D
 Acq: 11 Sep 2015 21:10

Tgt Ion: 172 Resp: 735431
 Ion Ratio Lower Upper
 172 100
 171 36.5 26.1 39.1
 170 24.4 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: 18.84 ng

RT: 14.85 min Scan# 1182

Delta R.T. -0.03 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

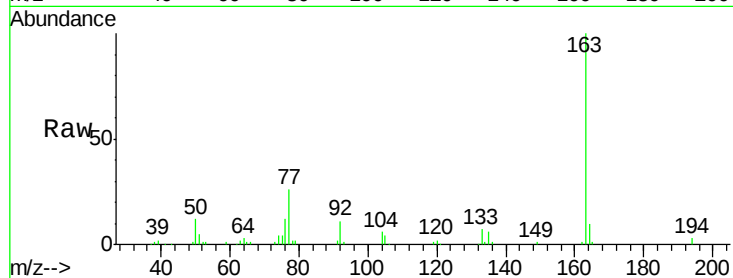
Tgt Ion:163 Resp: 143700

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

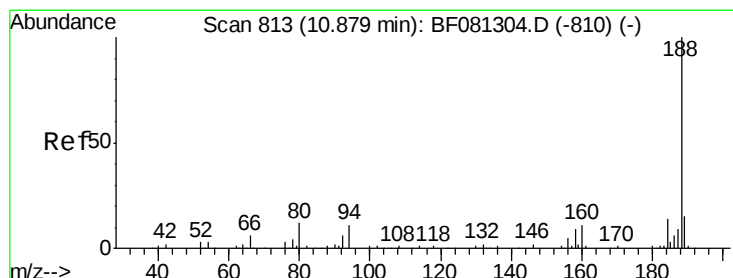
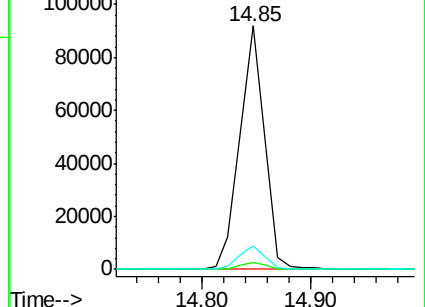
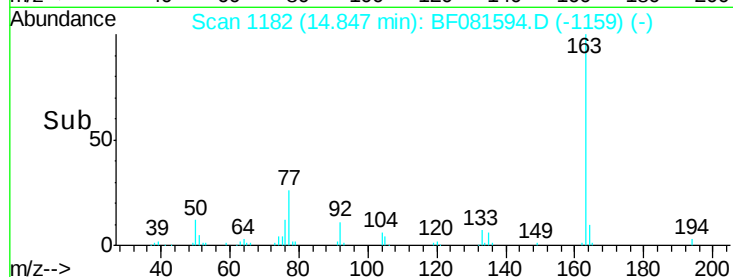
164 9.7 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.79 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

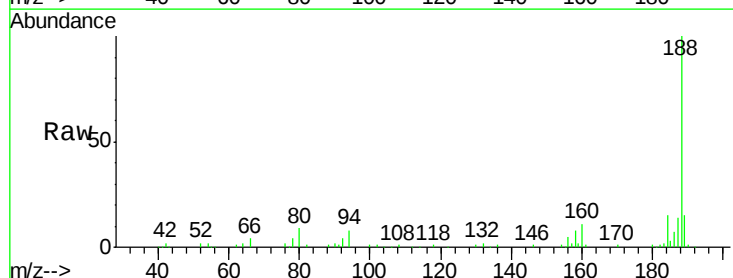
Tgt Ion:188 Resp: 173571

Ion Ratio Lower Upper

188 100

94 7.8 11.1 16.7#

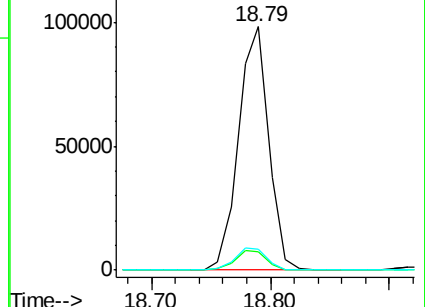
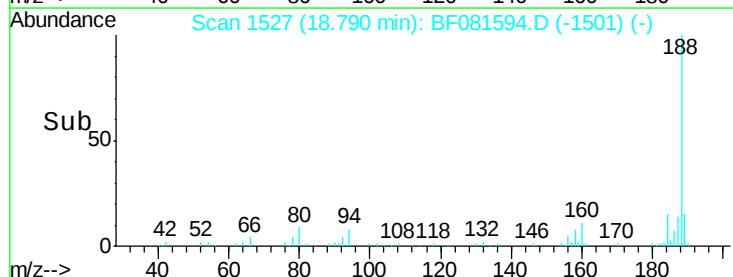
80 8.5 11.0 16.4#

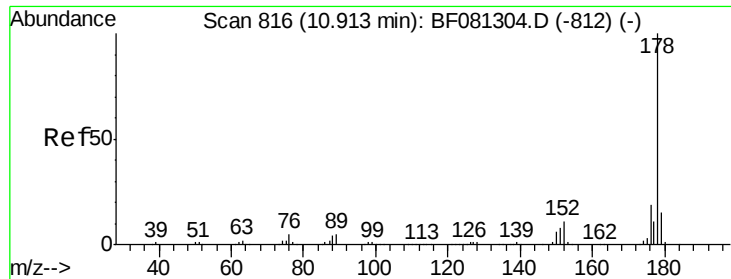


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

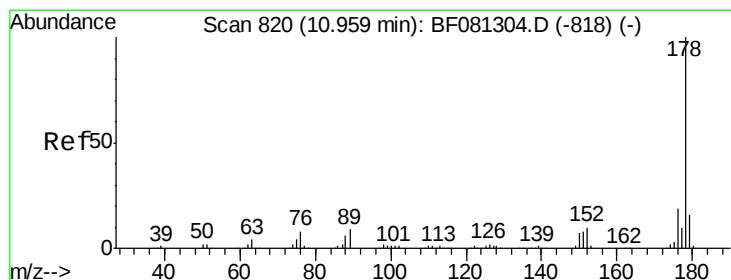
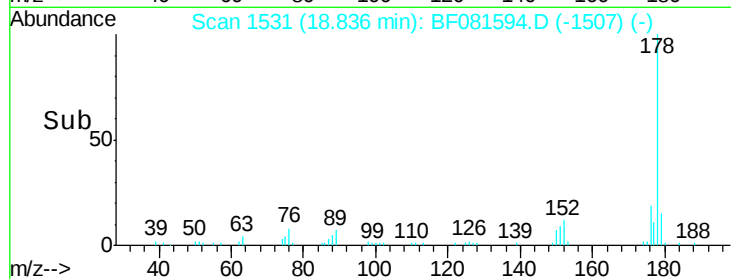
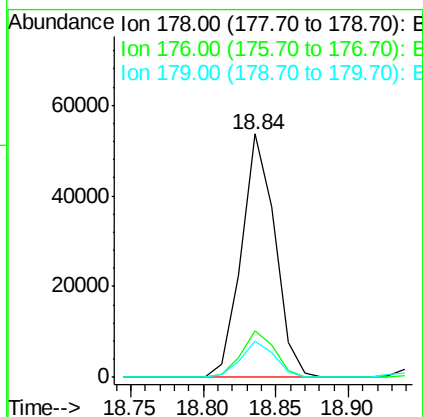
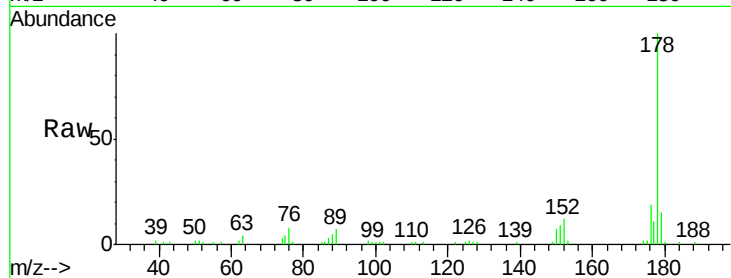




#70
Phenanthrene
Concen: 8.91 ng
RT: 18.84 min Scan# 1531
Delta R.T. -0.02 min
Lab File: BF081594.D
Acq: 11 Sep 2015 21:10

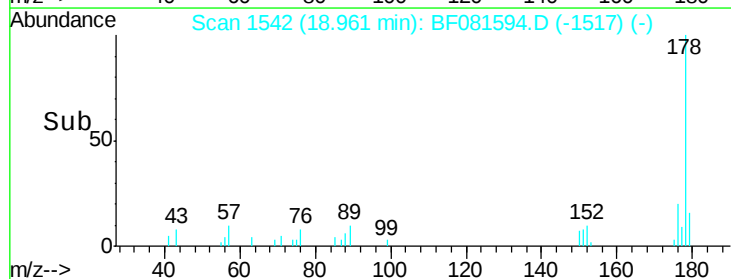
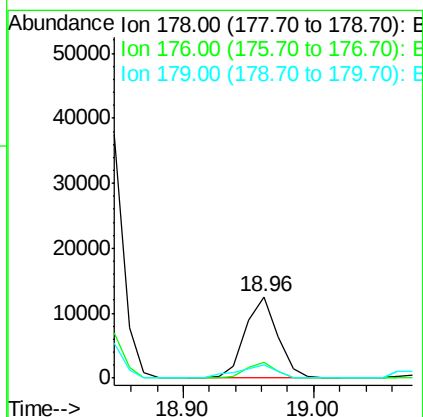
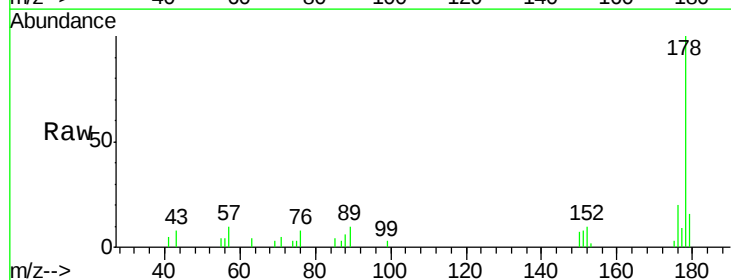
Instrument :
BNA_F
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SB-09(0-0.16)

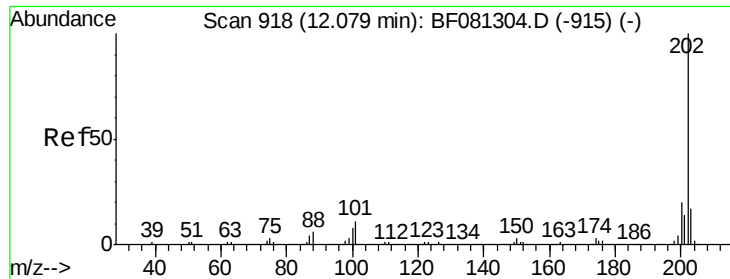
Tgt Ion:178 Resp: 85988
Ion Ratio Lower Upper
178 100
176 19.2 13.8 20.8
179 14.9 12.2 18.2



#71
Anthracene
Concen: 2.19 ng
RT: 18.96 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF081594.D
Acq: 11 Sep 2015 21:10

Tgt Ion:178 Resp: 21664
Ion Ratio Lower Upper
178 100
176 20.2 14.1 21.1
179 15.9 12.2 18.2

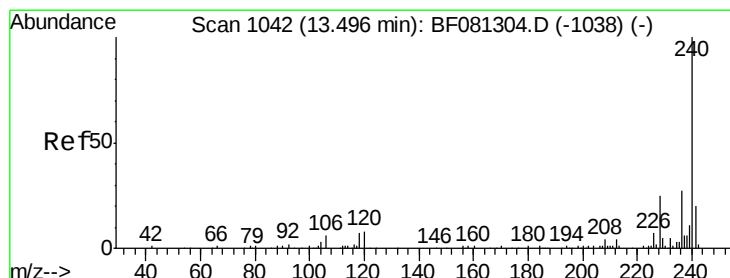
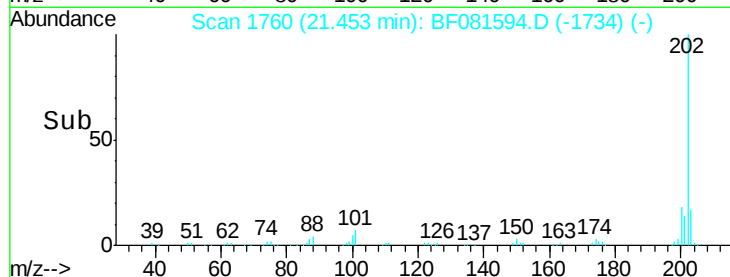
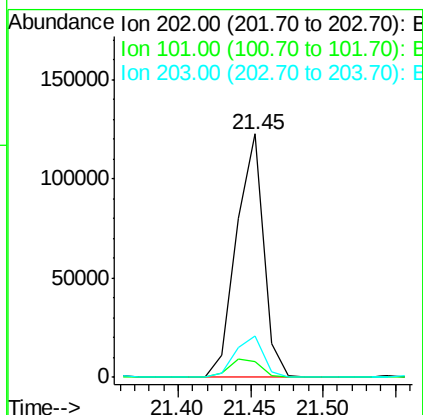
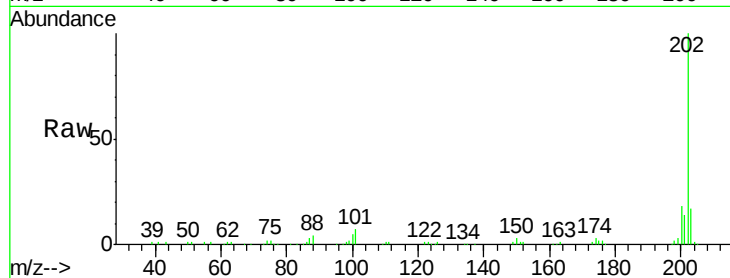




#74
Fluoranthene
Concen: 15.24 ng
RT: 21.45 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BF081594.D
Acq: 11 Sep 2015 21:10

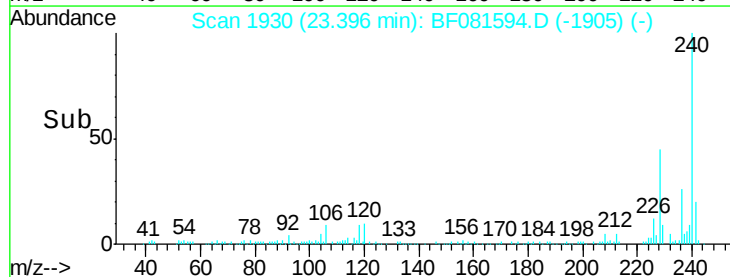
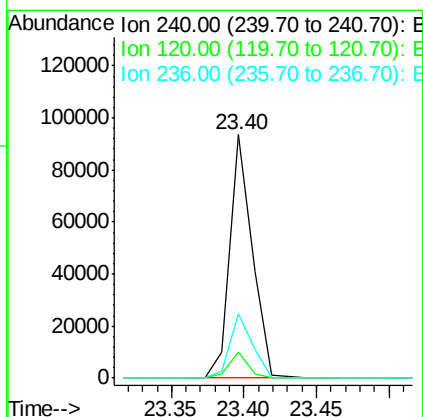
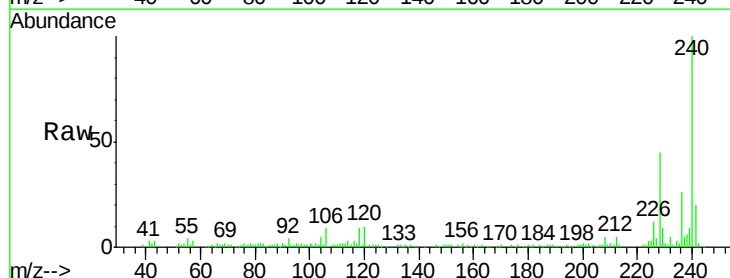
Instrument :
BNA_F
ClientSampleId :
SB-09(0-0.16)

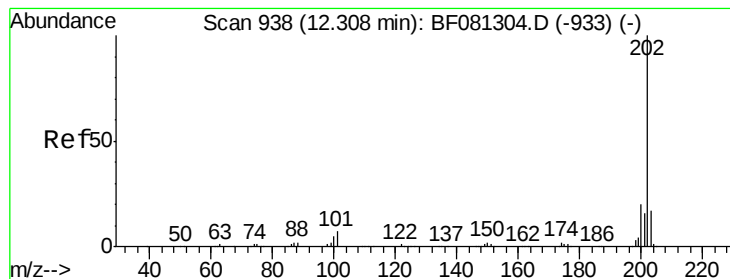
Tgt Ion: 202 Resp: 159241
Ion Ratio Lower Upper
202 100
101 6.6 0.0 38.3
203 17.1 0.0 37.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.40 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BF081594.D
Acq: 11 Sep 2015 21:10

Tgt Ion: 240 Resp: 100556
Ion Ratio Lower Upper
240 100
120 10.5 16.2 24.2#
236 26.4 18.4 27.6





#77

Pyrene

Concen: 20.14 ng

RT: 21.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

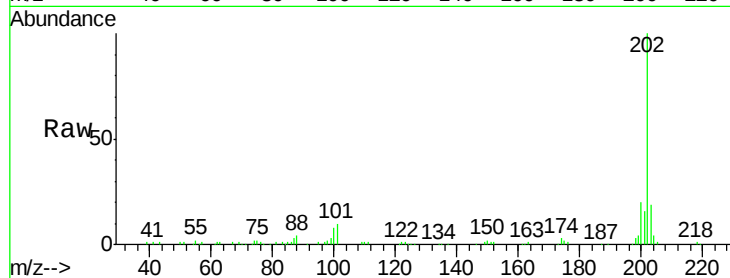
Tgt Ion:202 Resp: 150045

Ion Ratio Lower Upper

202 100

200 19.7 15.0 22.4

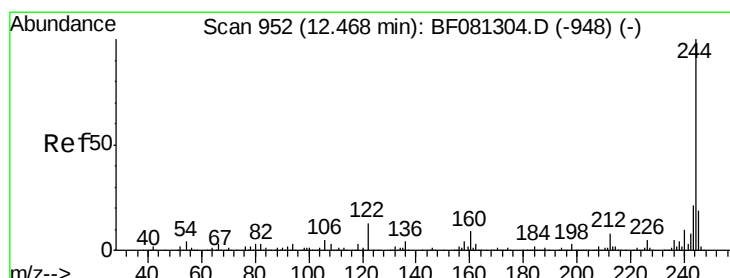
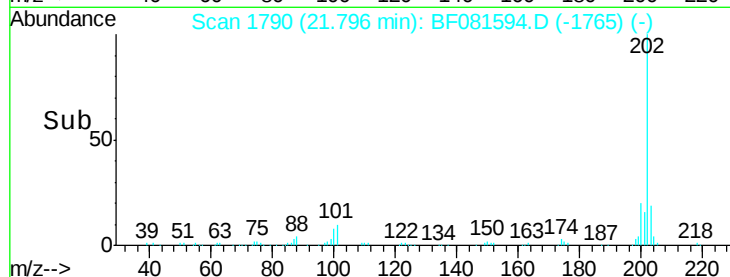
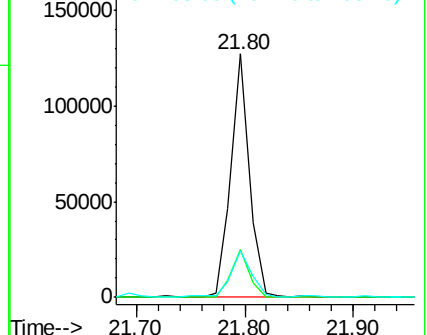
203 19.2 14.1 21.1



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: 108.28 ng

RT: 22.13 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

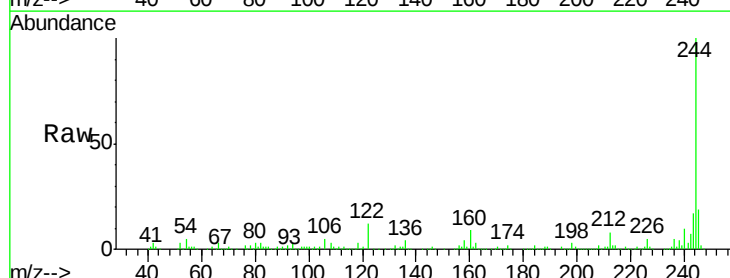
Tgt Ion:244 Resp: 467724

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

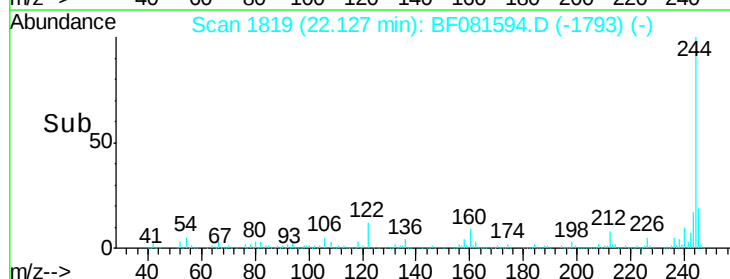
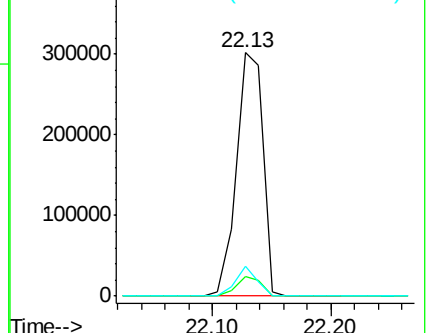
122 12.4 17.4 26.2#

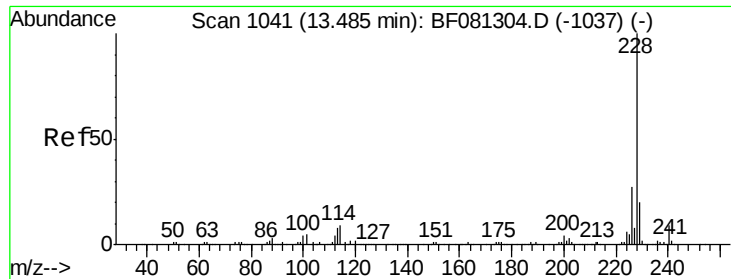


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.71 ng

RT: 23.38 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

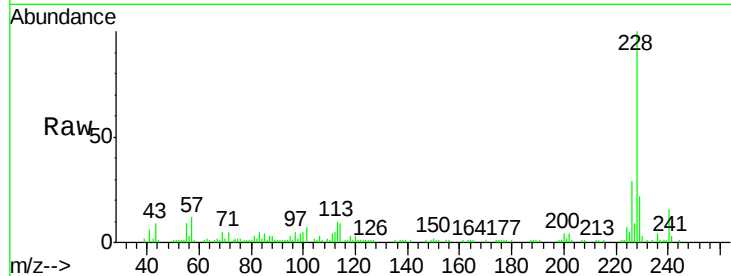
Tgt Ion:228 Resp: 87814

Ion Ratio Lower Upper

228 100

226 28.8 20.0 30.0

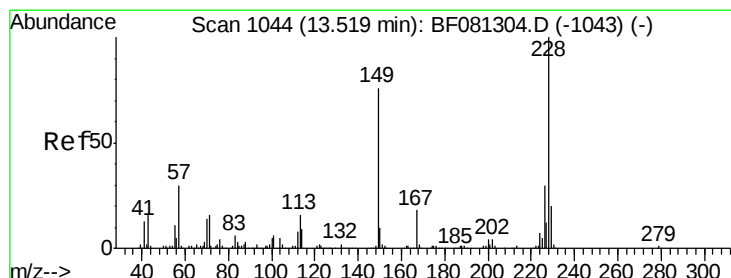
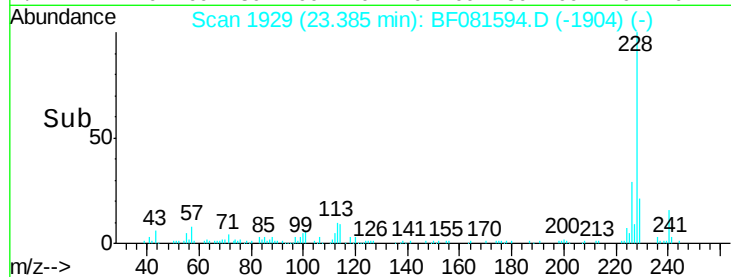
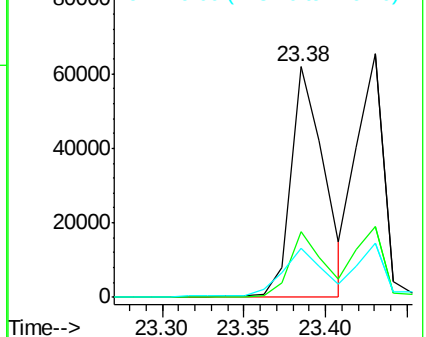
229 21.5 15.4 23.2



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: 13.39 ng

RT: 23.43 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

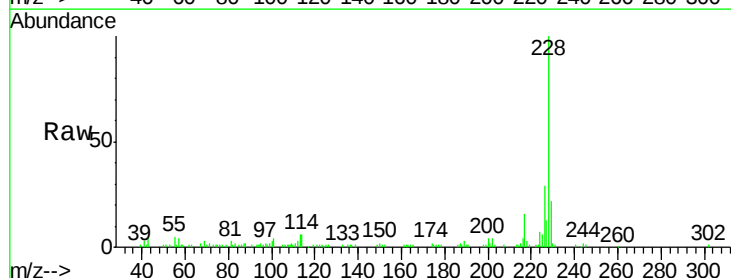
Tgt Ion:228 Resp: 76876

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.4

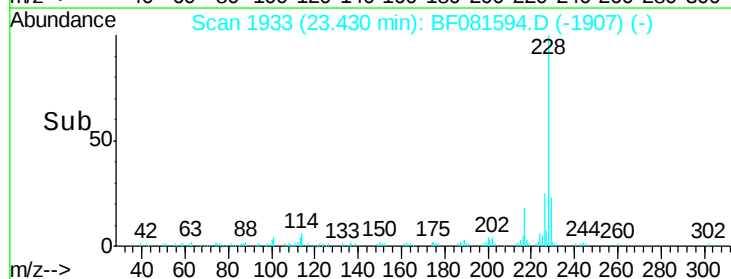
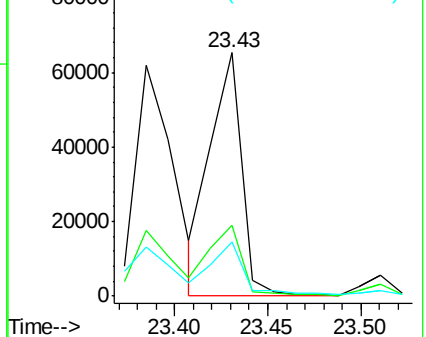
229 22.3 15.6 23.4

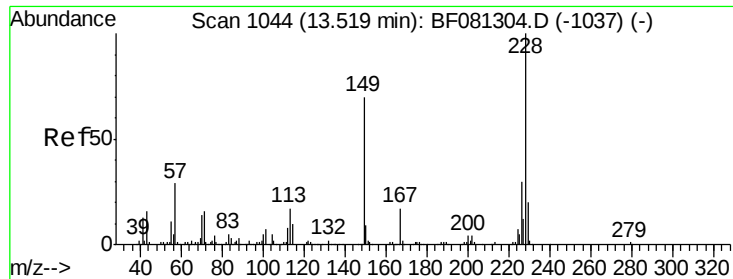


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

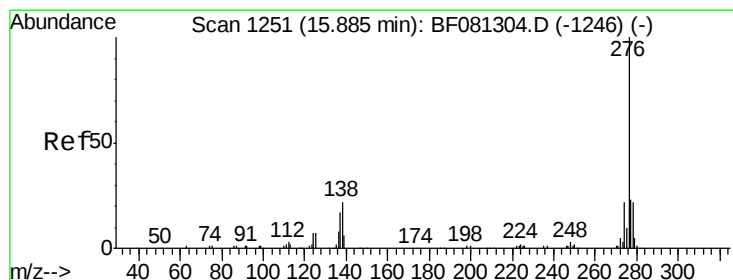
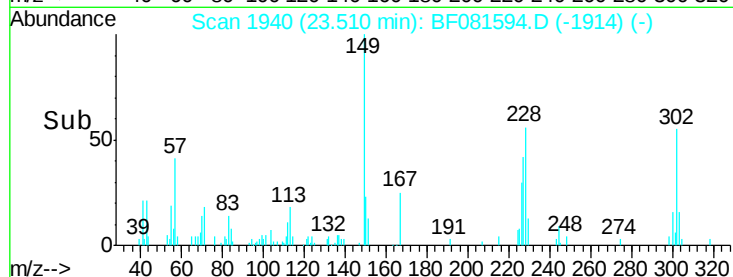
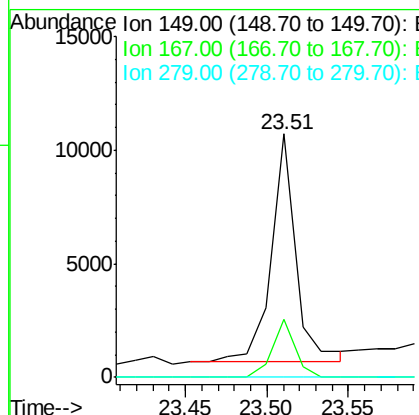
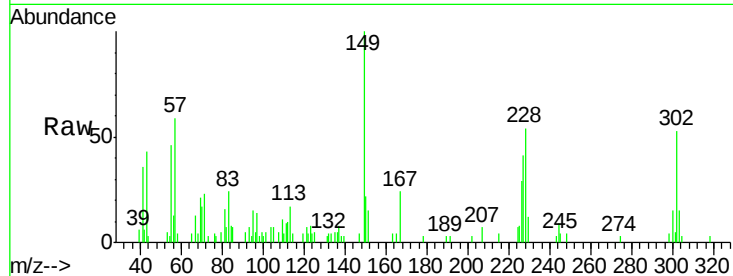




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.44 ng
 RT: 23.51 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: BF081594.D
 Acq: 11 Sep 2015 21:10

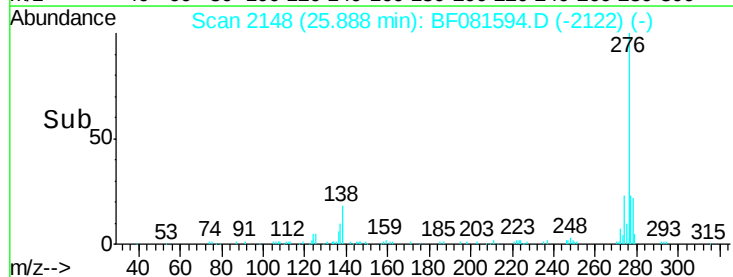
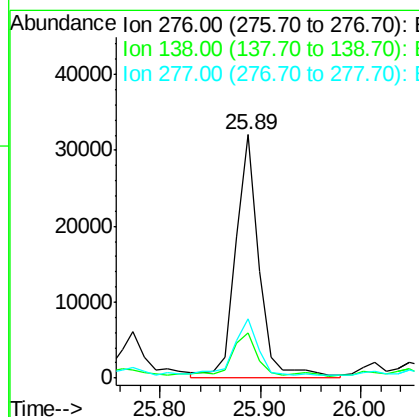
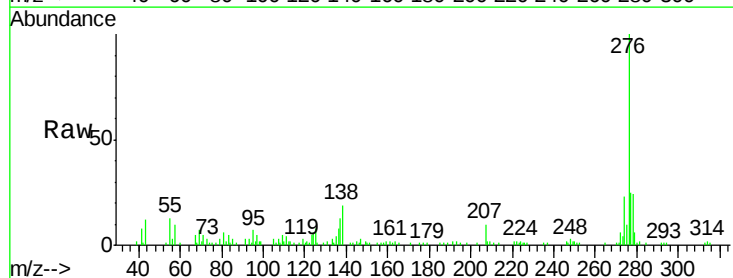
Instrument :
 BNA_F
 ClientSampleId :
 SB-09(0-0.16)

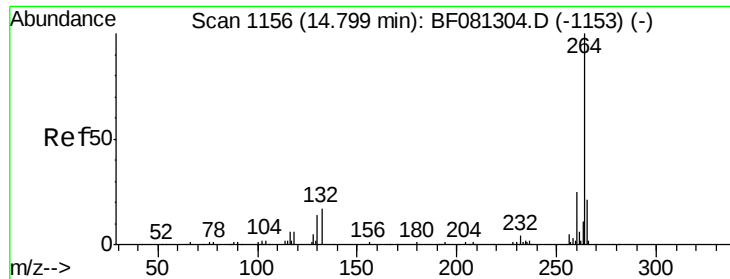
Tgt Ion:149 Resp: 10438
 Ion Ratio Lower Upper
 149 100
 167 23.8 24.2 36.2#
 279 0.0 3.8 5.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.50 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BF081594.D
 Acq: 11 Sep 2015 21:10

Tgt Ion:276 Resp: 52659
 Ion Ratio Lower Upper
 276 100
 138 22.7 25.7 38.5#
 277 27.9 15.6 23.4#

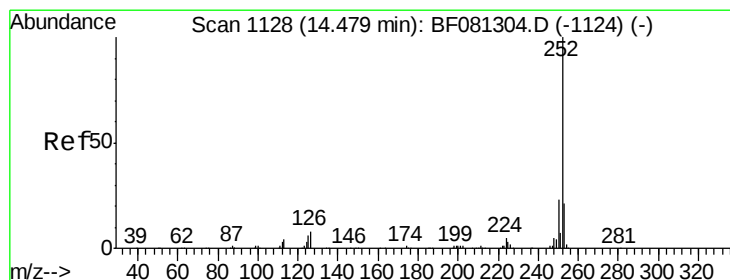
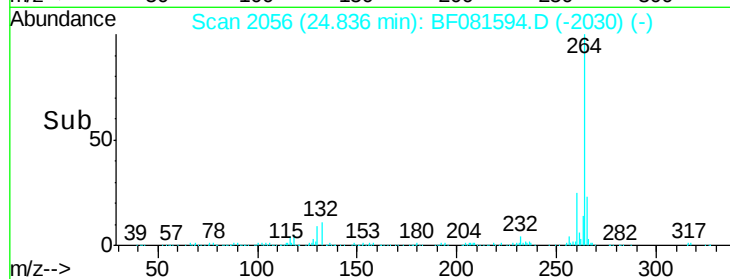
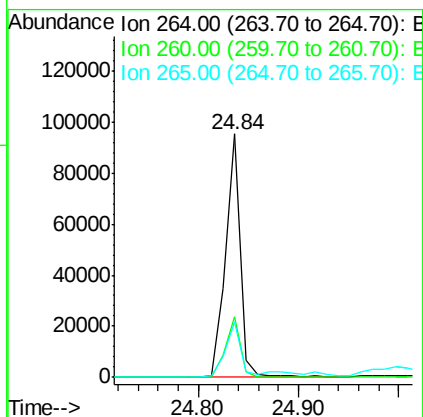
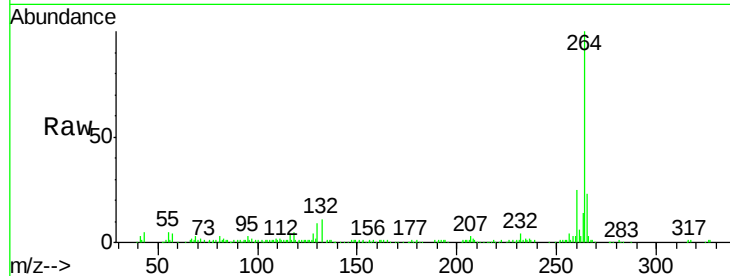




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF081594.D
Acq: 11 Sep 2015 21:10

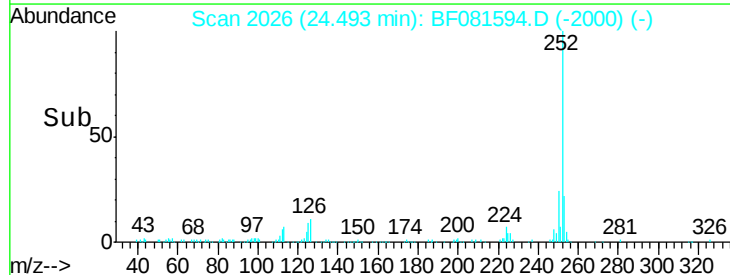
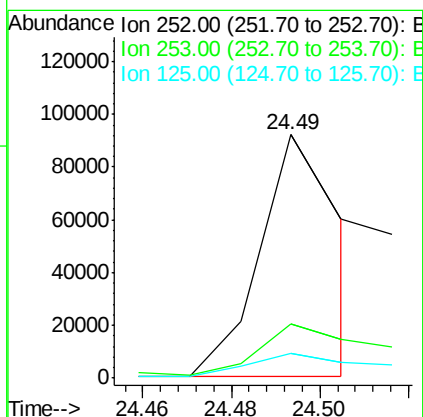
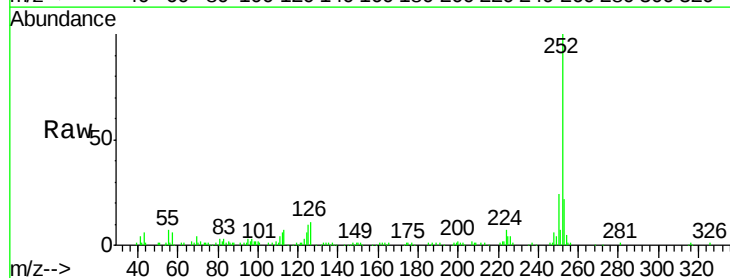
Instrument :
BNA_F
ClientSampleId :
SB-09(0-0.16)

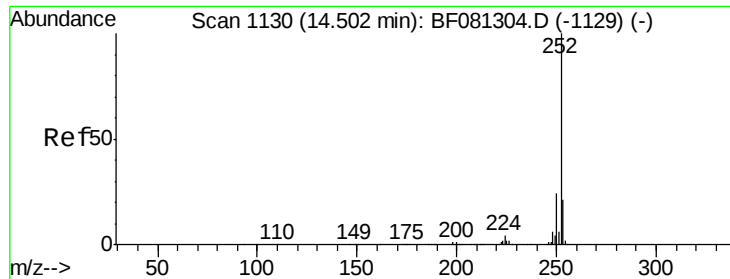
Tgt Ion:264 Resp: 97457
Ion Ratio Lower Upper
264 100
260 24.6 16.7 25.1
265 22.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 17.04 ng m
RT: 24.49 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF081594.D
Acq: 11 Sep 2015 21:10

Tgt Ion:252 Resp: 118528
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 10.0 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 7.72 ng m

RT: 24.50 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

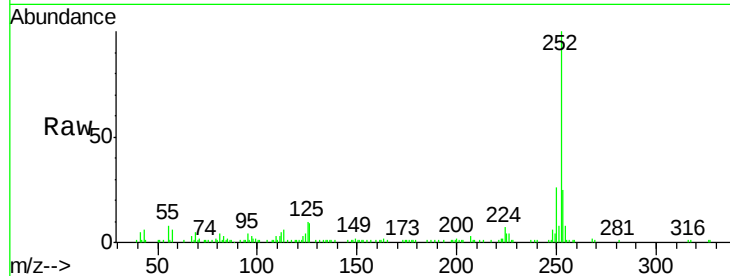
Tgt Ion:252 Resp: 44581

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.4

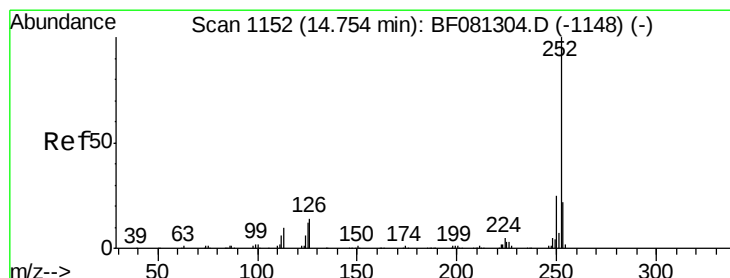
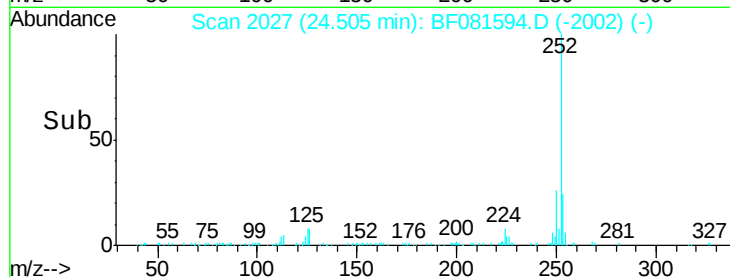
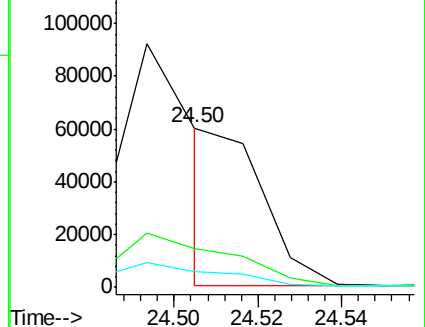
125 9.6 16.0 24.0#



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: 13.54 ng

RT: 24.79 min Scan# 2052

Delta R.T. 0.00 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

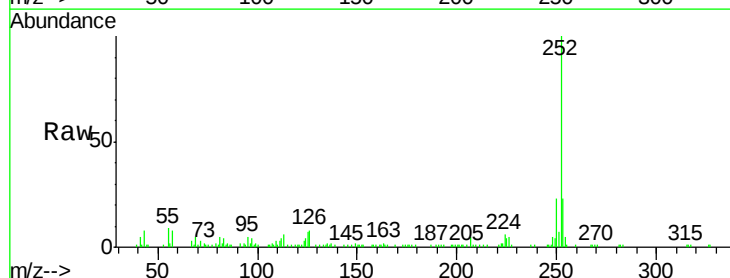
Tgt Ion:252 Resp: 79840

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

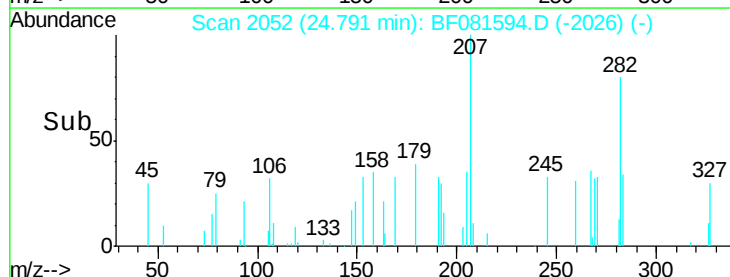
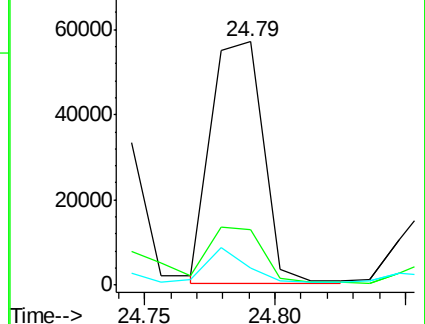
125 6.8 18.0 27.0#

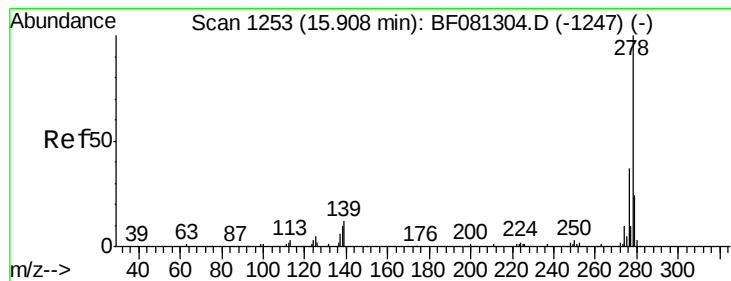


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.03 ng m

RT: 25.89 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

Instrument :

BNA_F

ClientSampleId :

SB-09(0-0.16)

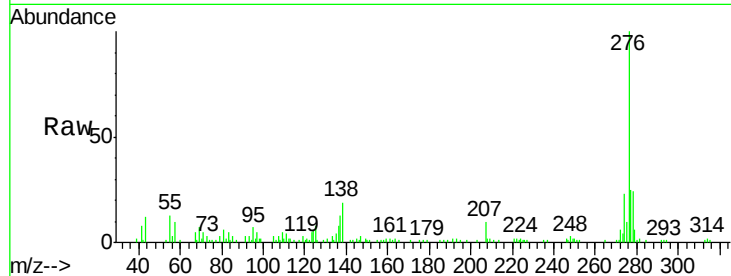
Tgt Ion:278 Resp: 13802

Ion Ratio Lower Upper

278 100

139 0.0 26.3 39.5#

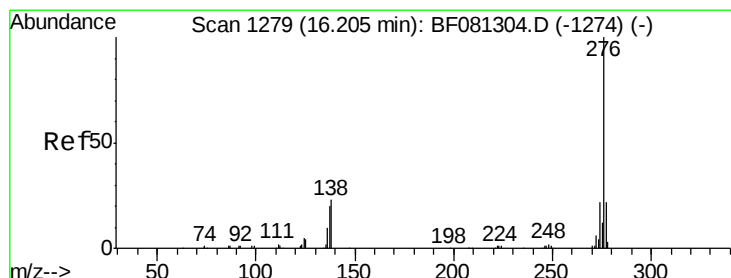
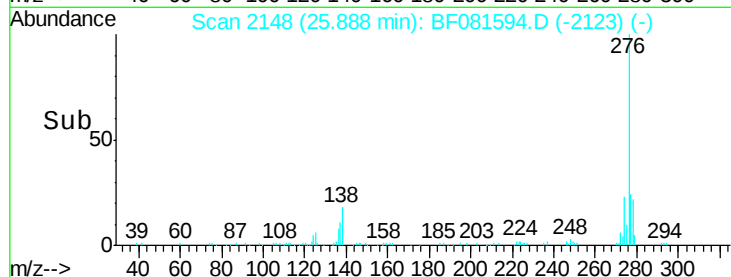
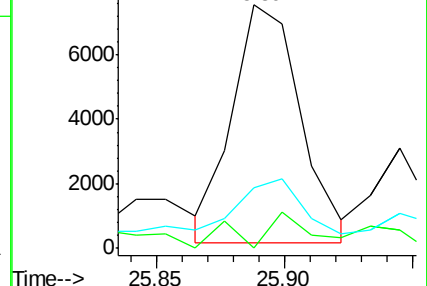
279 24.9 18.2 27.4



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: 10.60 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BF081594.D

Acq: 11 Sep 2015 21:10

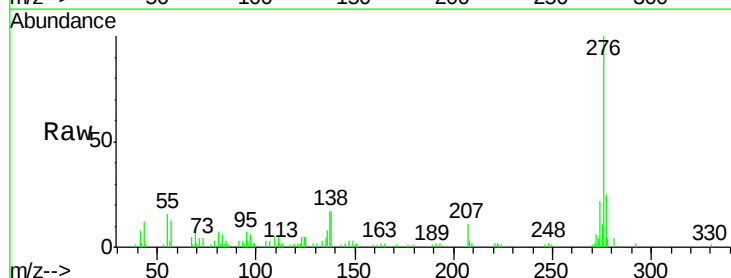
Tgt Ion:276 Resp: 46113

Ion Ratio Lower Upper

276 100

277 25.3 17.8 26.6

138 17.5 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

