

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093016\
 Data File : BF090329.D
 Acq On : 30 Sep 2016 23:05
 Operator : UM/SJ
 Sample : H4982-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-10

Quant Time: Oct 03 13:24:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 30 23:14:34 2016
 Response via : Initial Calibration

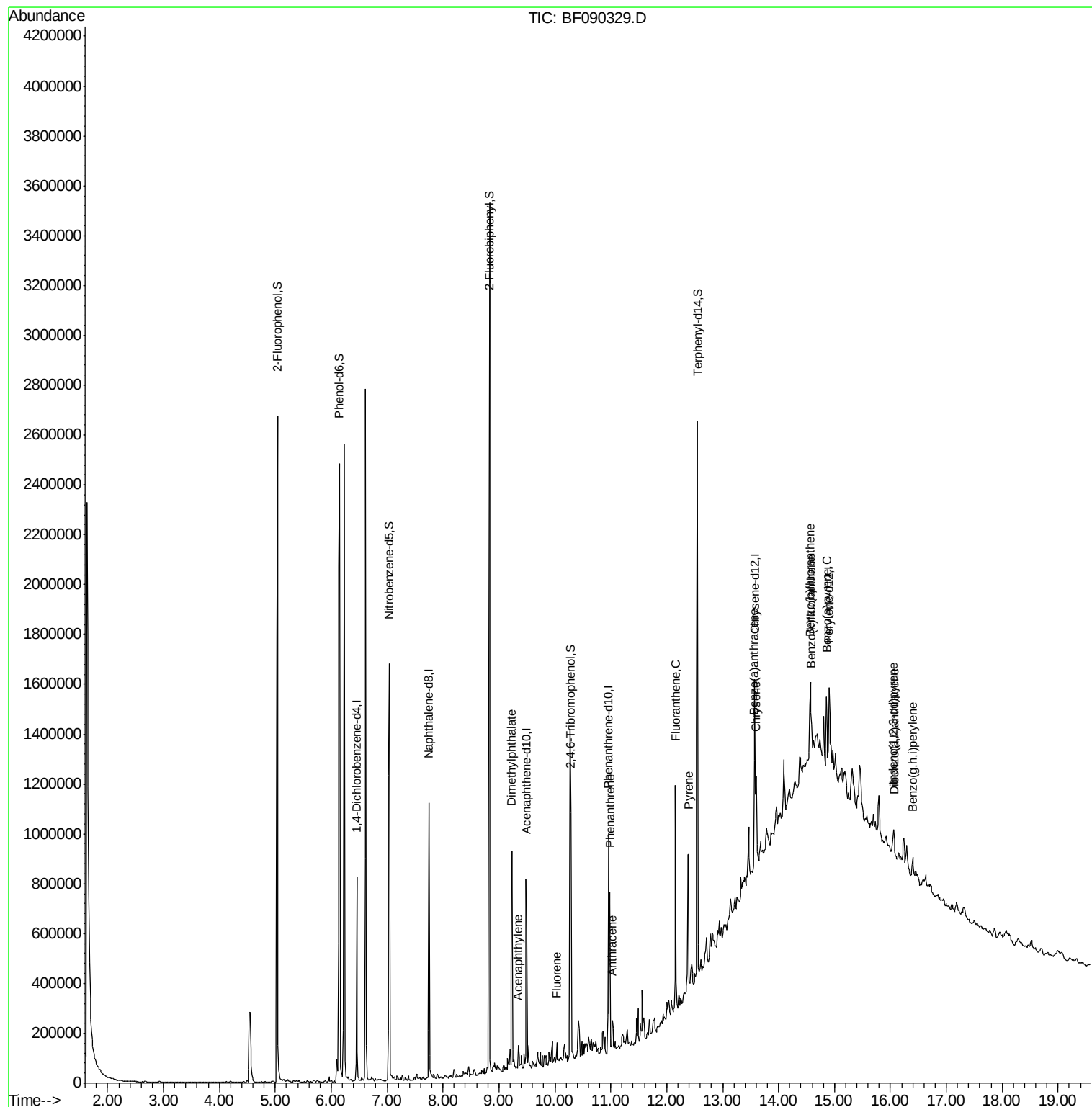
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	124205	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	480807	20.00	ng	0.00
38) Acenaphthene-d10	9.48	164	218688	20.00	ng	0.00
63) Phenanthrene-d10	10.96	188	301897	20.00	ng	0.01
75) Chrysene-d12	13.58	240	224556	20.00	ng	0.01
86) Perylene-d12	14.90	264	166595	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	1073137	140.83	ng	0.05
7) Phenol-d6	6.15	99	1497889	159.17	ng	0.03
23) Nitrobenzene-d5	7.04	82	834191	100.57	ng	0.01
41) 2,4,6-Tribromophenol	10.28	330	251159	133.87	ng	0.01
44) 2-Fluorobiphenyl	8.83	172	1324830	118.93	ng	0.01
78) Terphenyl-d14	12.55	244	807767	91.33	ng	0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.35	152	38984	2.08	ng	100
49) Dimethylphthalate	9.23	163	449109	32.24	ng	99
57) Fluorene	10.03	166	24340	2.21	ng	98
70) Phenanthrene	10.98	178	224021	15.87	ng	98
71) Anthracene	11.03	178	71645	4.84	ng	96
74) Fluoranthene	12.16	202	350061	23.10	ng	97
77) Pyrene	12.39	202	339206	22.08	ng	98
80) Benzo(a)anthracene	13.57	228	176807	14.63	ng	93
82) Chrysene	13.60	228	130993m	11.13	ng	
85) Indeno(1,2,3-cd)pyrene	16.06	276	64887	6.82	ng	# 92
87) Benzo(b)fluoranthene	14.57	252	175210m	18.99	ng	
88) Benzo(k)fluoranthene	14.58	252	38750m	4.48	ng	
89) Benzo(a)pyrene	14.86	252	104657	12.06	ng	# 86
90) Dibenzo(a,h)anthracene	16.07	278	16381m	2.42	ng	
91) Benzo(a,h,i)perylene	16.40	276	64839	9.78	ng	# 95

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

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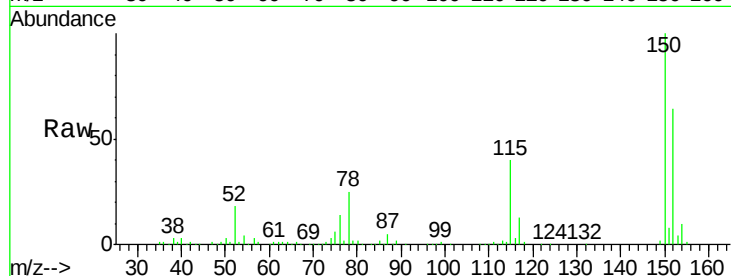


#1

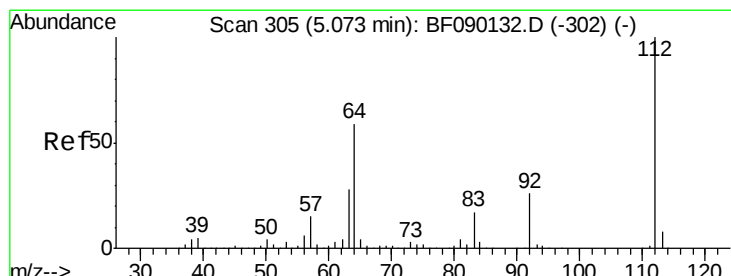
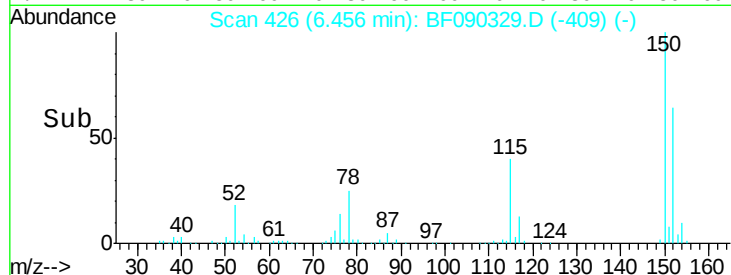
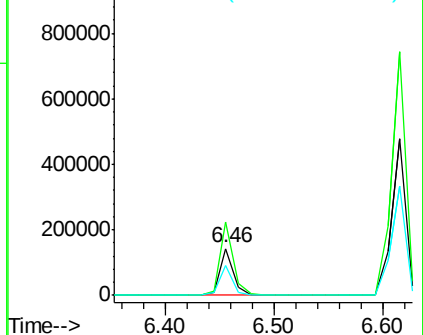
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Instrument :
BNA_F
ClientSampled :
S-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	128.9	193.3
115	63.2	55.5	83.3



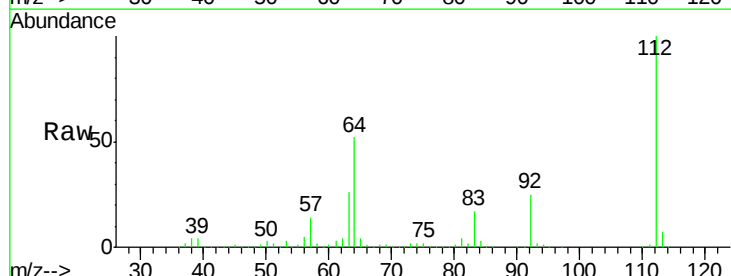
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



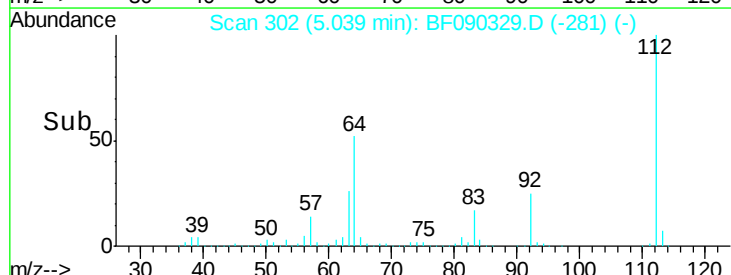
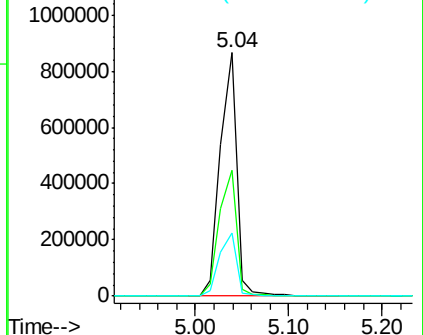
#5

2-Fluorophenol
Concen: 140.83 ng
RT: 5.04 min Scan# 302
Delta R.T. 0.05 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	39.8	59.6
63	25.8	18.9	28.3



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: 159.17 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.03 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Instrument :

BNA_F

ClientSampled :

S-10

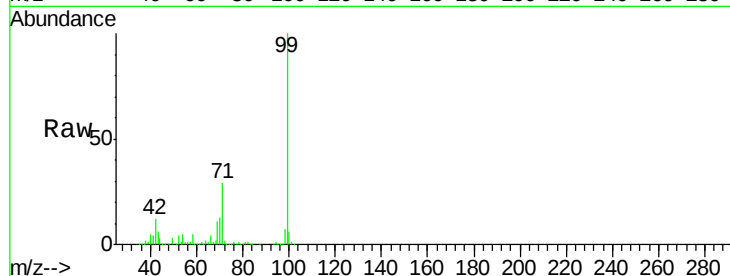
Tot Ion: 99 Resp: 1497889

Ion Ratio Lower Upper

99 100

42 11.7 10.6 15.8

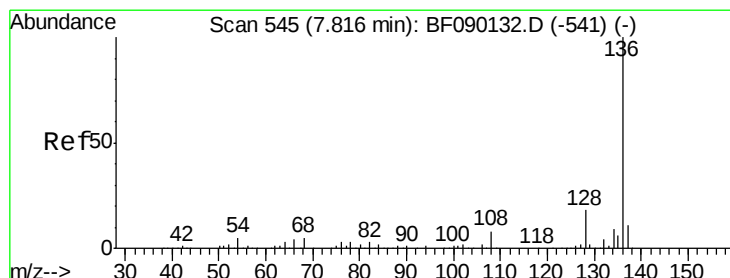
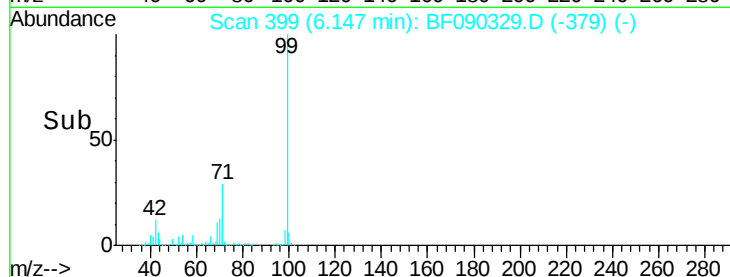
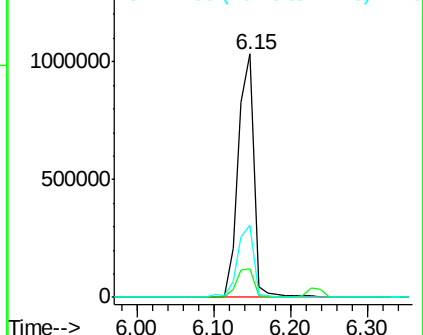
71 29.4 23.0 34.6



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: 7.75 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Tgt Ion: 136 Resp: 480807

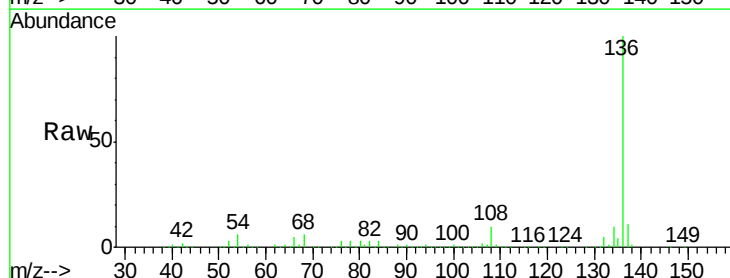
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.4 6.4 9.6

68 6.2 6.3 9.5#

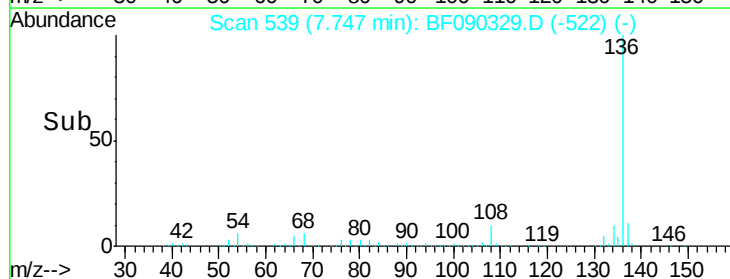
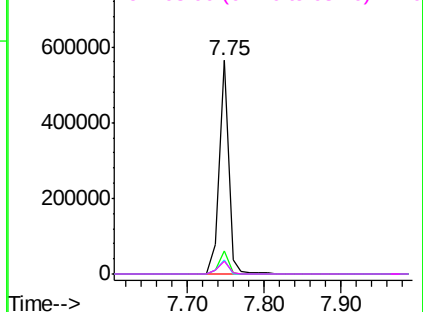


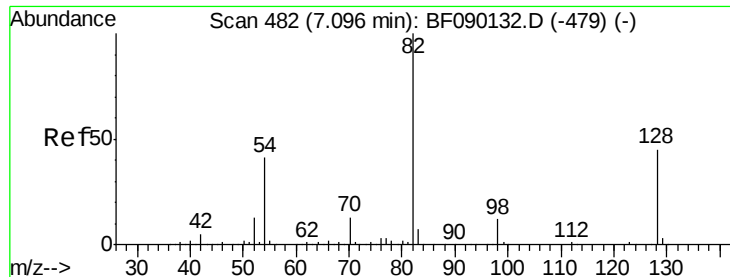
Abundance Ion 136.00 (135.70 to 136.70): E

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

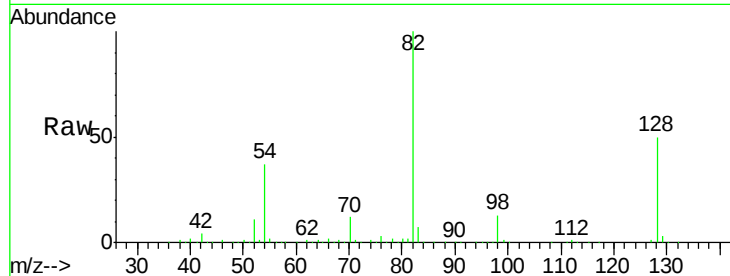




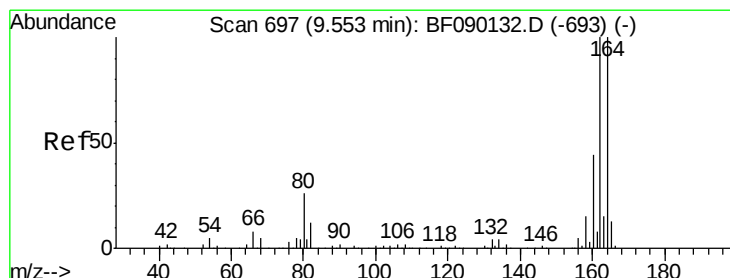
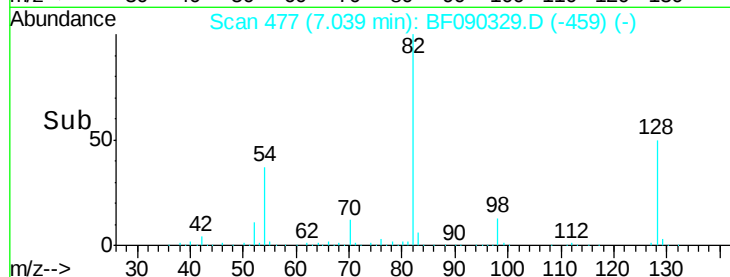
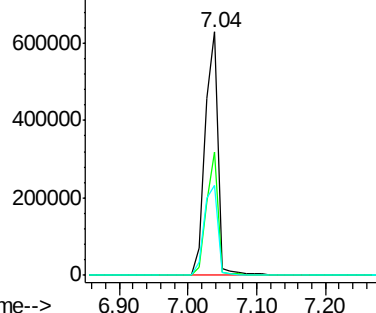
#23
 Nitrobenzene-d5
 Concen: 100.57 ng
 RT: 7.04 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

Instrument :
 BNA_F
 ClientSampled :
 S-10

Tot Ion	82	Resp	834191
Ion Ratio	100	Lower	Upper
128	50.5	37.5	56.3
54	36.8	31.9	47.9

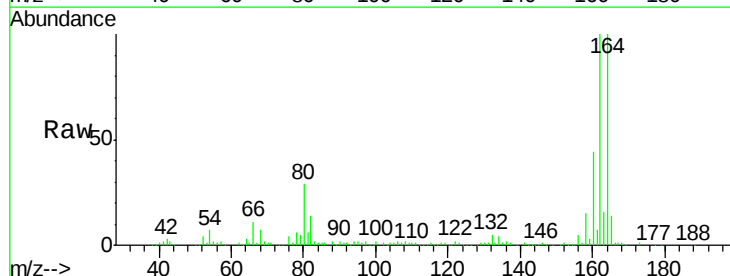


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

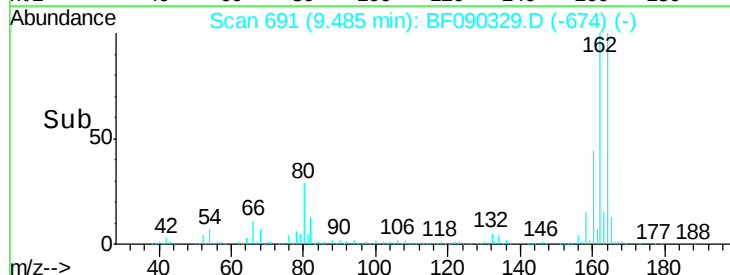
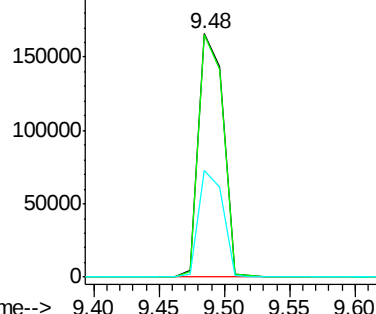


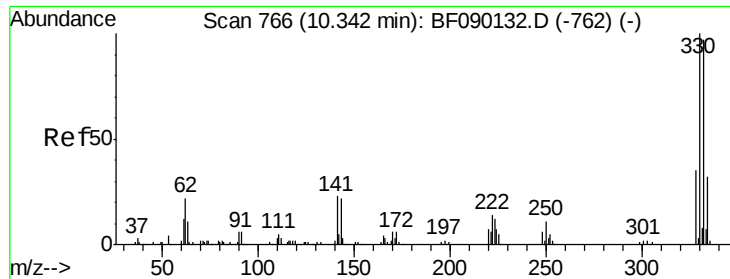
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

Tgt Ion	164	Resp	218688
Ion Ratio	100	Lower	Upper
162	99.5	81.4	122.2
160	44.0	36.6	54.8



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

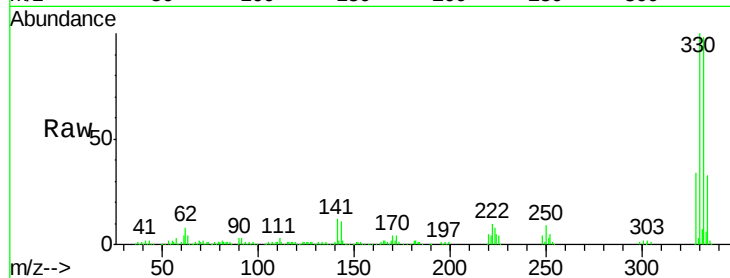




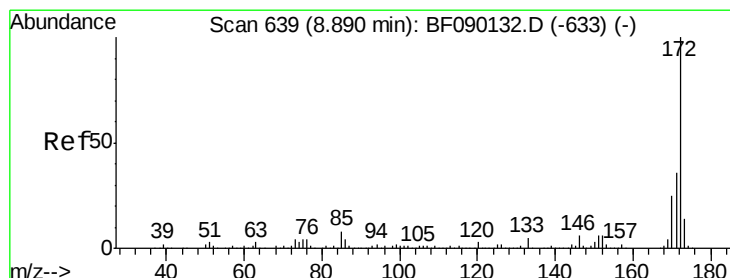
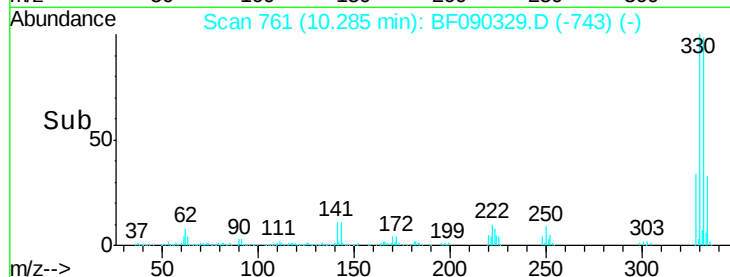
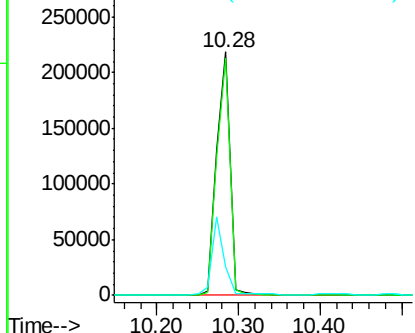
#41
 2,4,6-Tribromophenol
 Concen: 133.87 ng
 RT: 10.28 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

Instrument :
 BNA_F
 ClientSampled :
 S-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.1	117.1
141	29.0	23.9	35.9

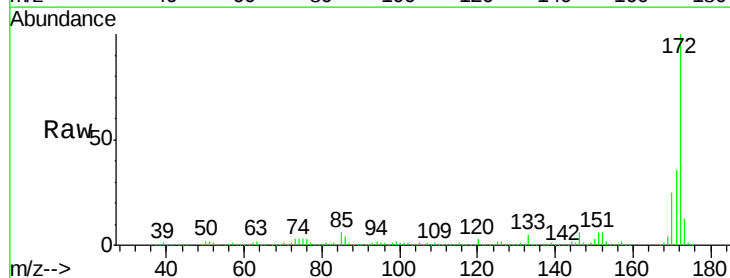


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

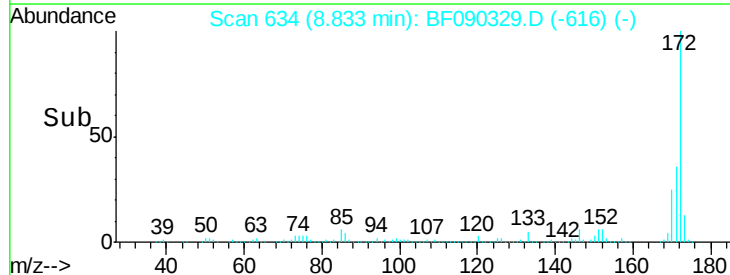
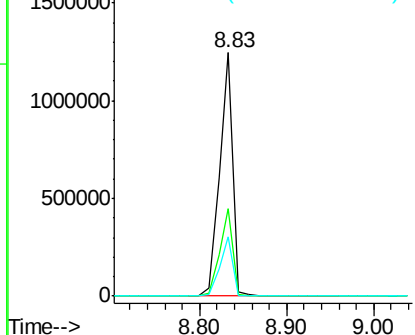


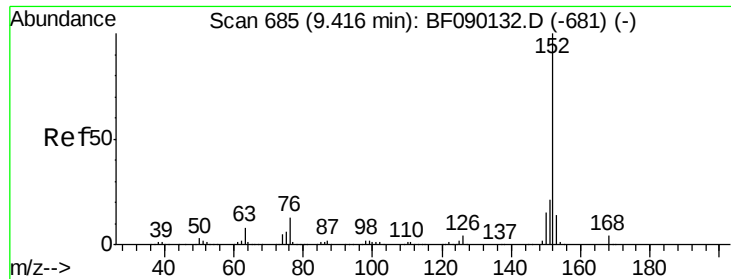
#44
 2-Fluorobiphenyl
 Concen: 118.93 ng
 RT: 8.83 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.6	19.8	29.8



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

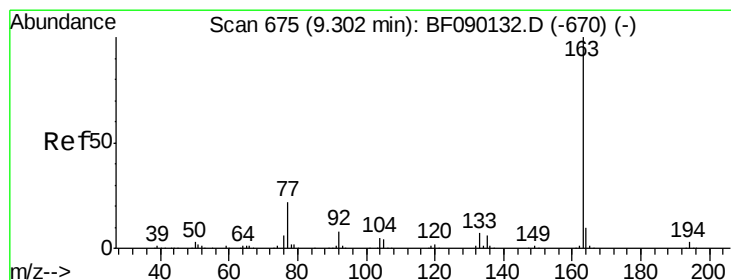
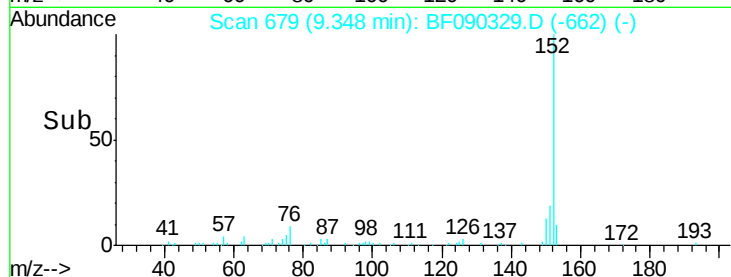
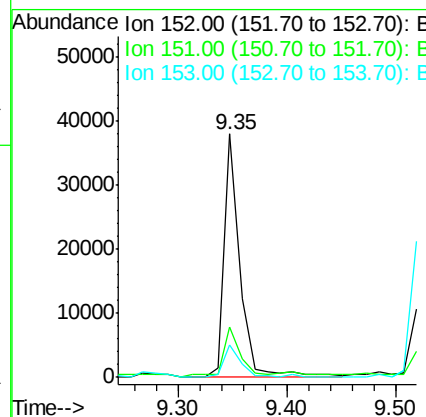
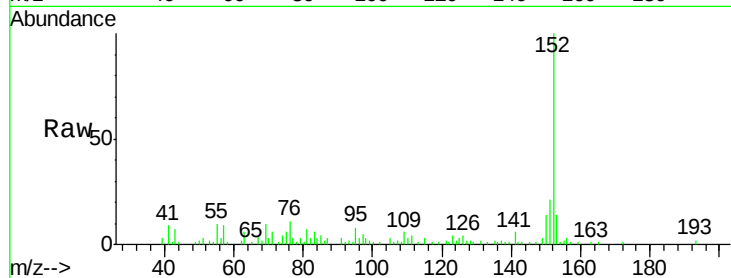




#48
Acenaphthylene
Concen: 2.08 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

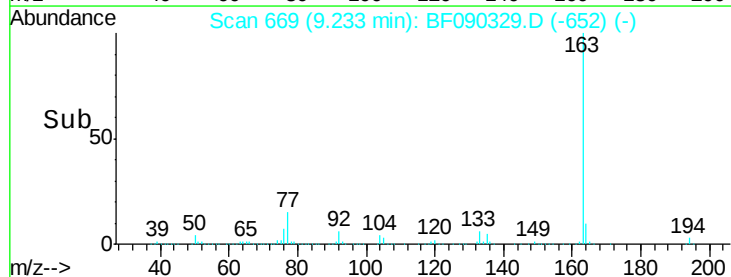
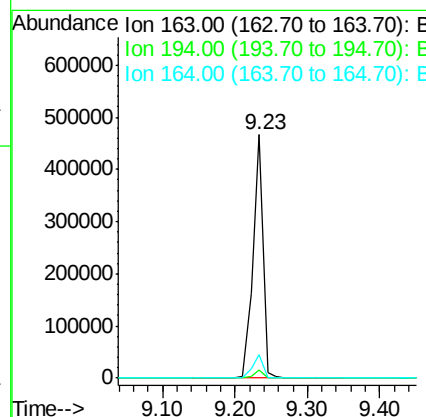
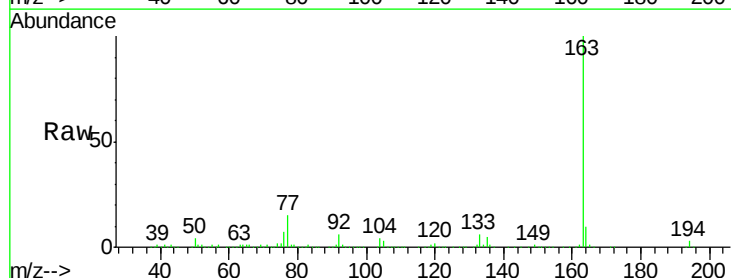
Instrument :
BNA_F
ClientSampleId :
S-10

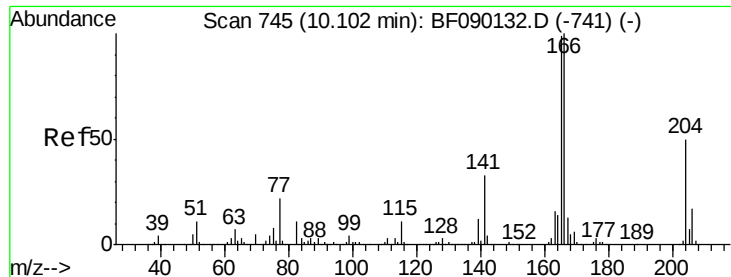
Tot Ion:152 Resp: 38984
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7
153 13.5 10.6 15.8



#49
Dimethylphthalate
Concen: 32.24 ng
RT: 9.23 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Tgt Ion:163 Resp: 449109
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.7 8.1 12.1

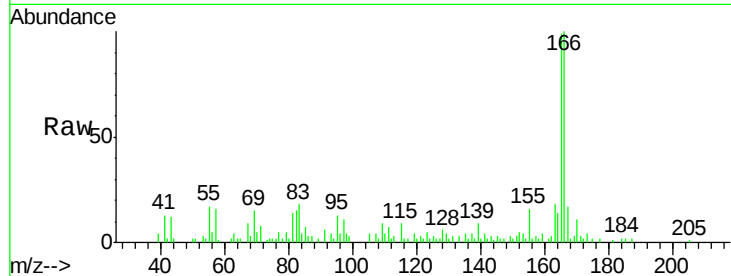




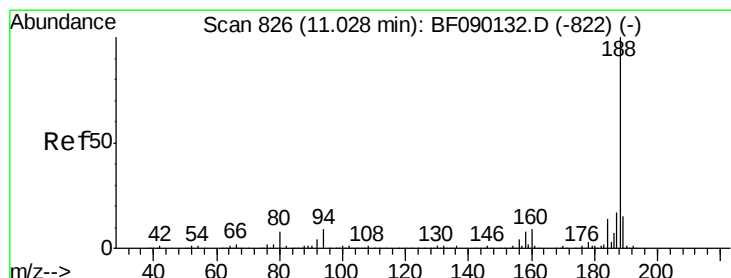
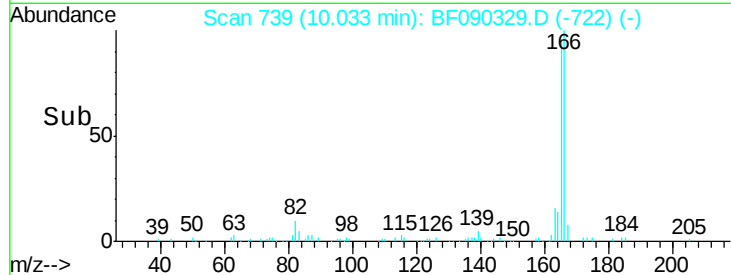
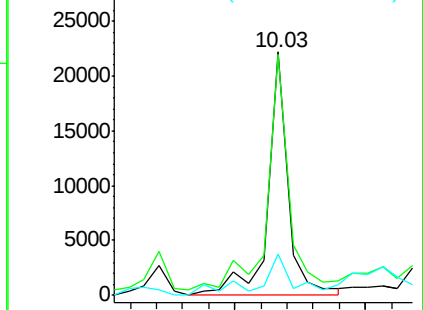
#57
 Fluorene
 Concen: 2.21 ng
 RT: 10.03 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

Instrument :
 BNA_F
 ClientSampleId :
 S-10

Tot Ion:166 Resp: 24340
 Ion Ratio Lower Upper
 166 100
 165 99.2 78.5 117.7
 167 16.8 11.2 16.8

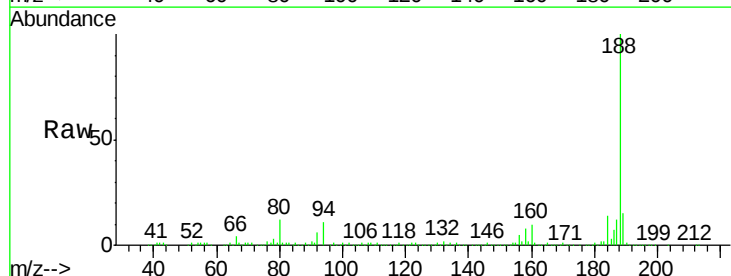


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

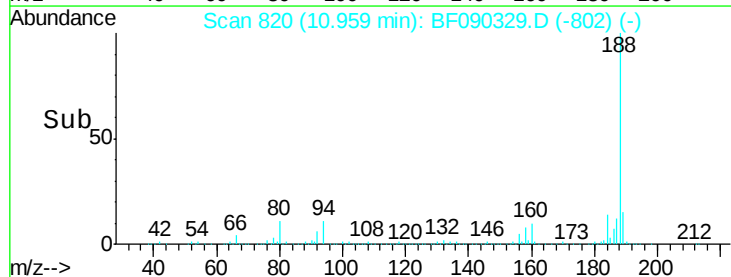
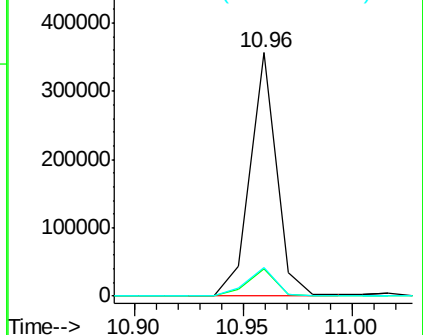


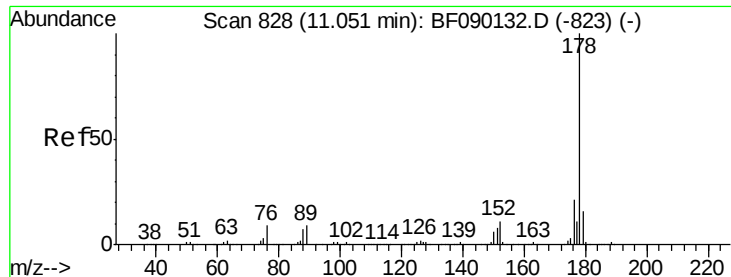
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.96 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

Tgt Ion:188 Resp: 301897
 Ion Ratio Lower Upper
 188 100
 94 11.3 10.5 15.7
 80 11.6 11.2 16.8



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

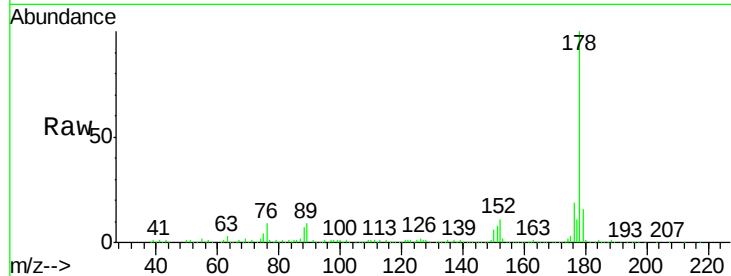




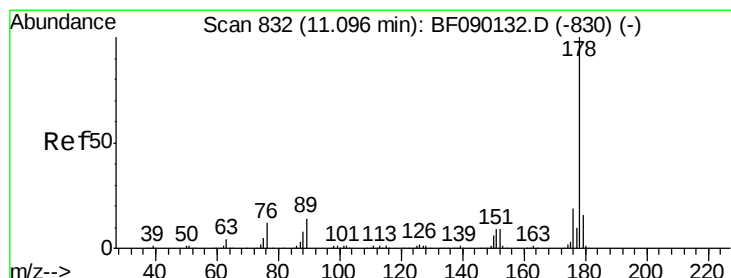
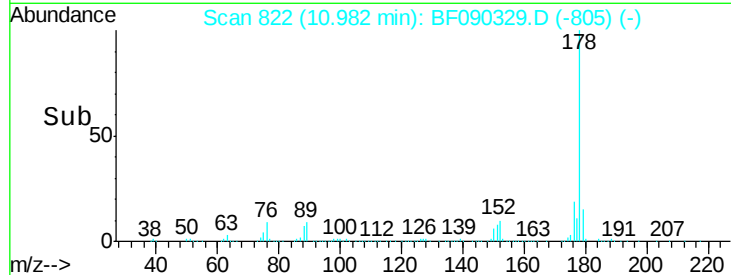
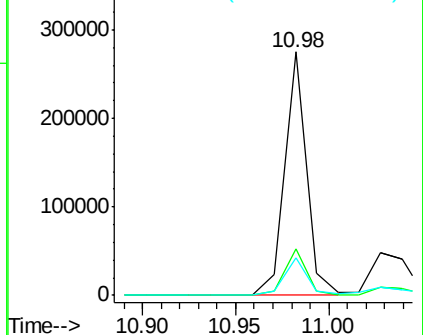
#70
Phenanthrene
Concen: 15.87 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Instrument :
BNA_F
ClientSampleId :
S-10

Tot Ion:178 Resp: 224021
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.5 12.9 19.3

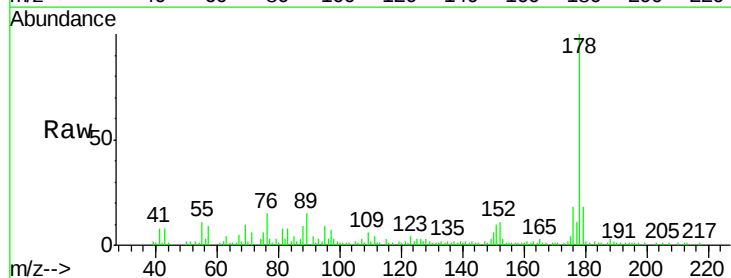


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

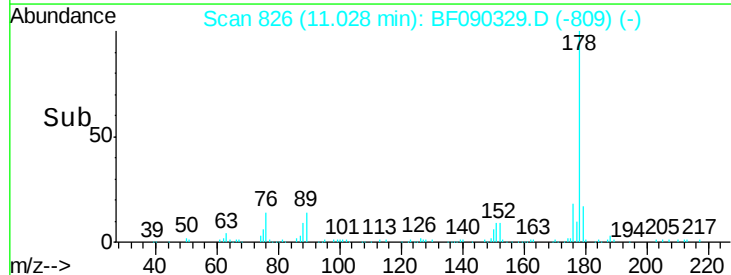
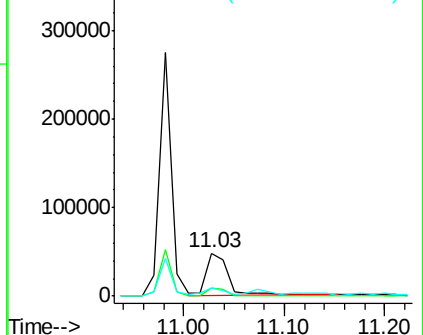


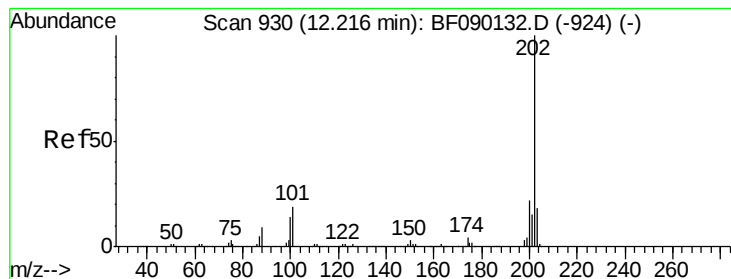
#71
Anthracene
Concen: 4.84 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Tgt Ion:178 Resp: 71645
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 18.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 23.10 ng

RT: 12.16 min Scan# 925

Delta R.T. 0.01 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Instrument :

BNA_F

ClientSampled :

S-10

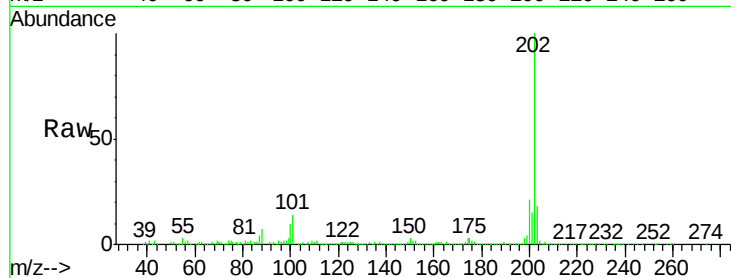
Tot Ion:202 Resp: 350061

Ion Ratio Lower Upper

202 100

101 13.9 0.0 36.1

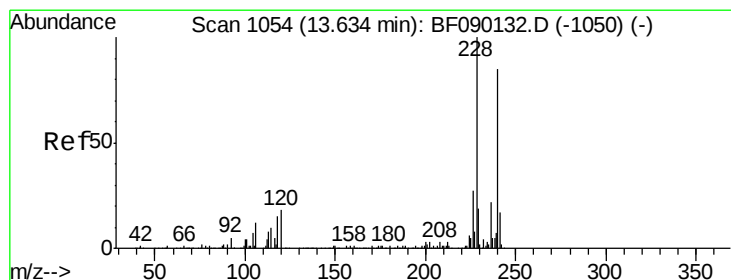
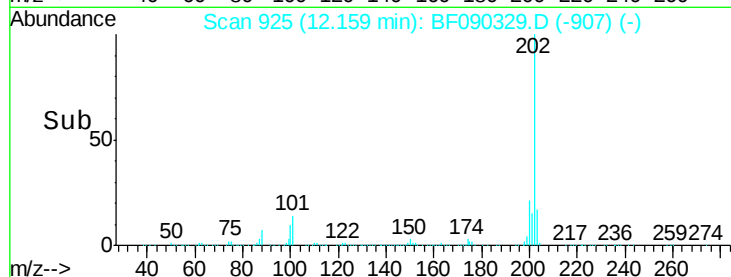
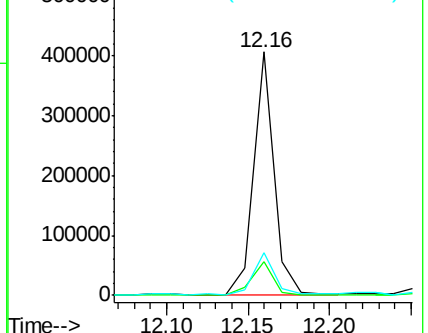
203 17.6 0.0 38.2



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: 13.58 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

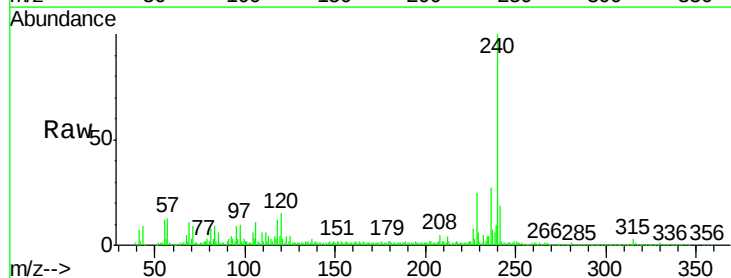
Tgt Ion:240 Resp: 224556

Ion Ratio Lower Upper

240 100

120 14.9 10.6 16.0

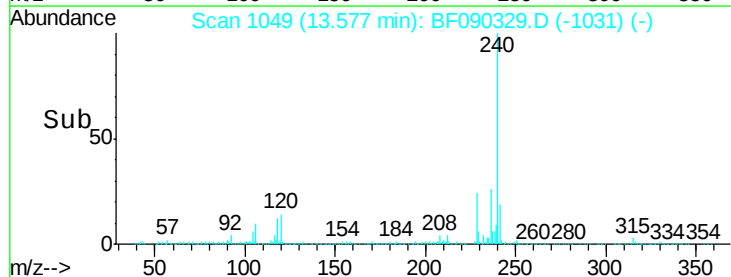
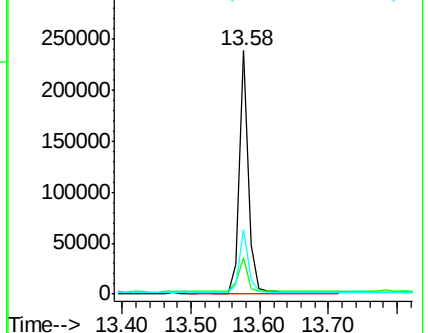
236 26.5 21.6 32.4

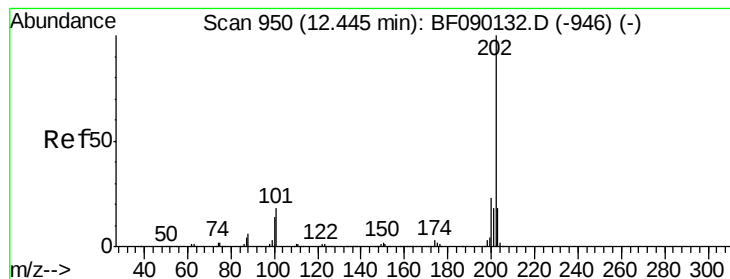


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 22.08 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Instrument :

BNA_F

ClientSampleId :

S-10

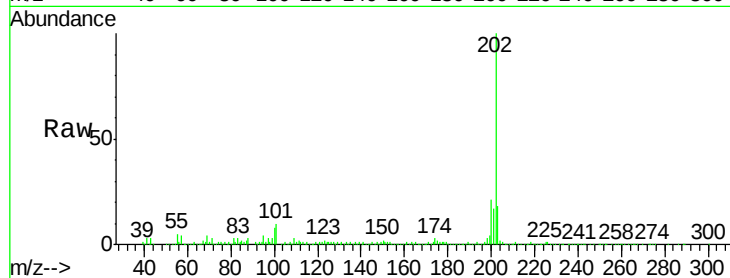
Tot Ion:202 Resp: 339206

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

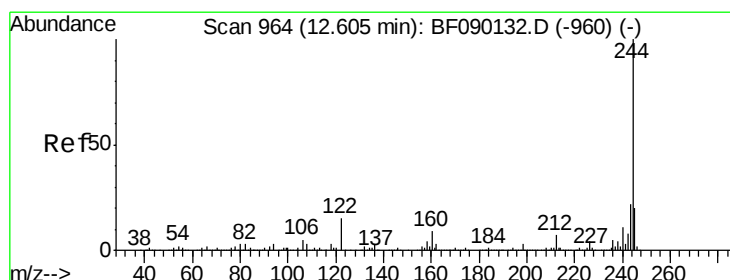
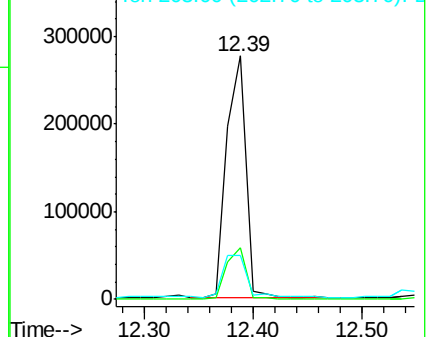
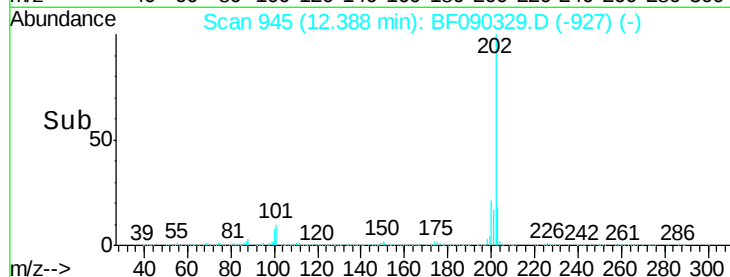
203 17.9 14.2 21.4



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: 91.33 ng

RT: 12.55 min Scan# 959

Delta R.T. 0.01 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

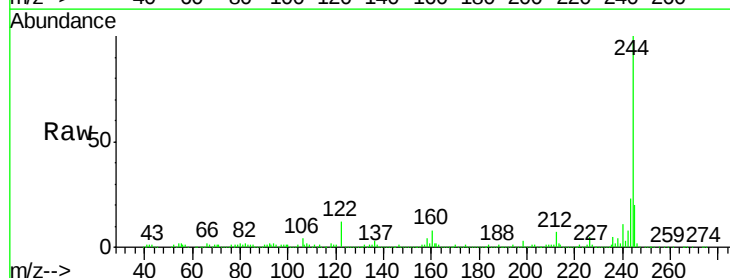
Tgt Ion:244 Resp: 807767

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

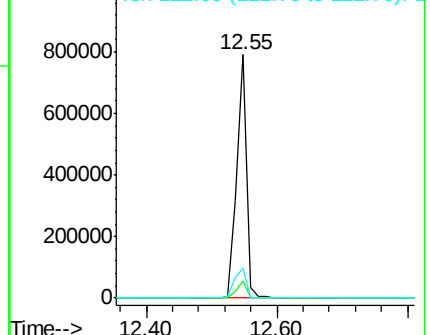
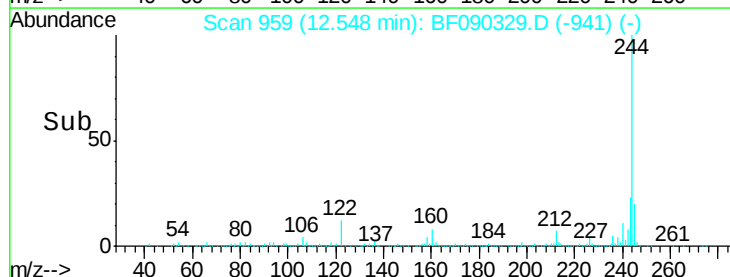
122 12.4 9.4 14.0

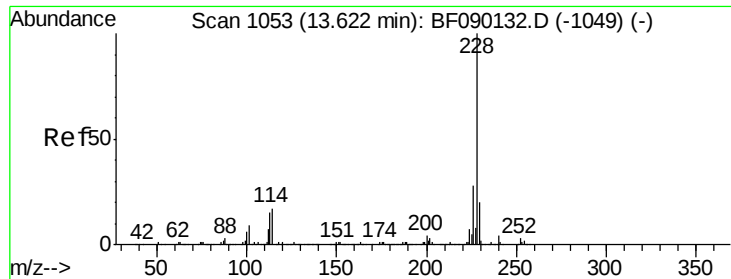


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.63 ng

RT: 13.57 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Instrument :

BNA_F

ClientSampleId :

S-10

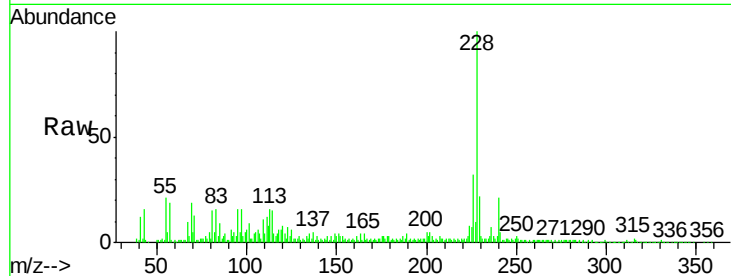
Tot Ion:228 Resp: 176807

Ion Ratio Lower Upper

228 100

226 31.9 22.0 33.0

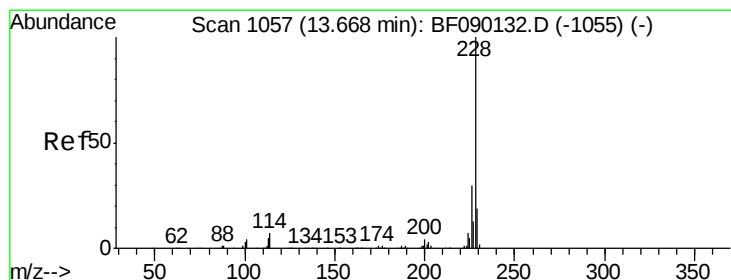
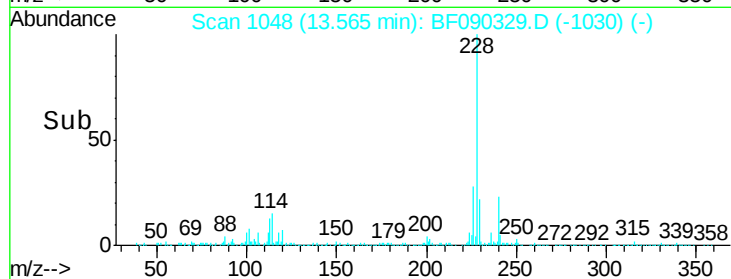
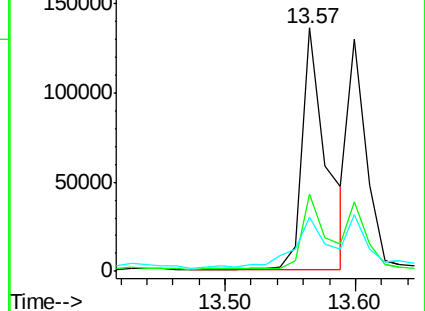
229 22.4 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 11.13 ng m

RT: 13.60 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

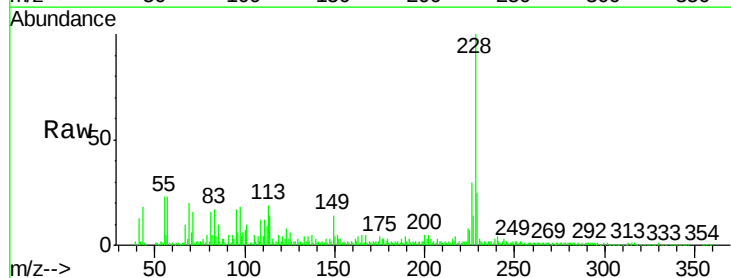
Tgt Ion:228 Resp: 130993

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

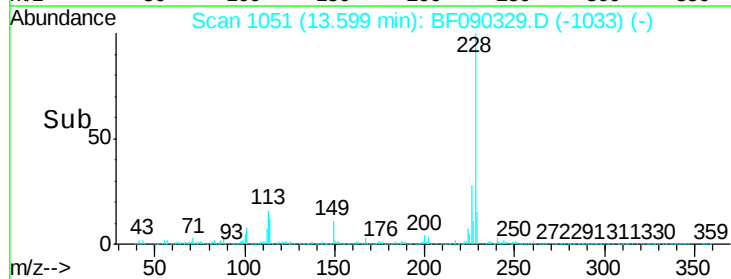
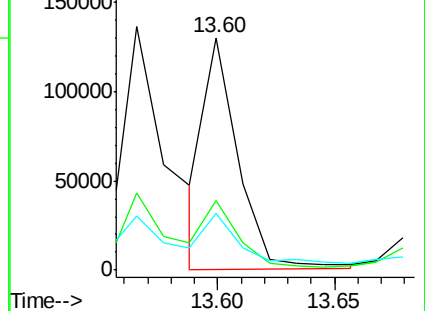
229 24.6 16.2 24.4#

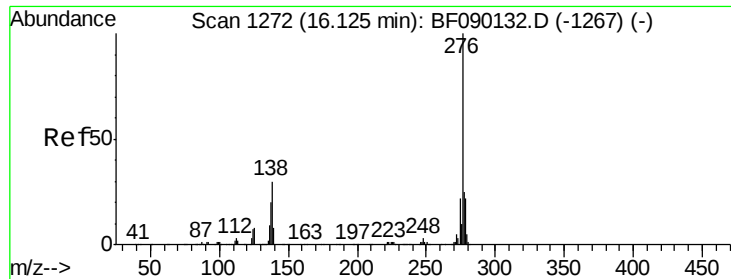


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.82 ng

RT: 16.06 min Scan# 1266

Delta R.T. 0.03 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Instrument :

BNA_F

ClientSampleId :

S-10

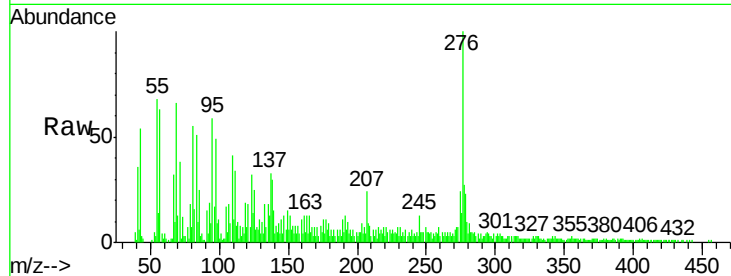
Tot Ion:276 Resp: 64887

Ion Ratio Lower Upper

276 100

138 25.5 25.9 38.9#

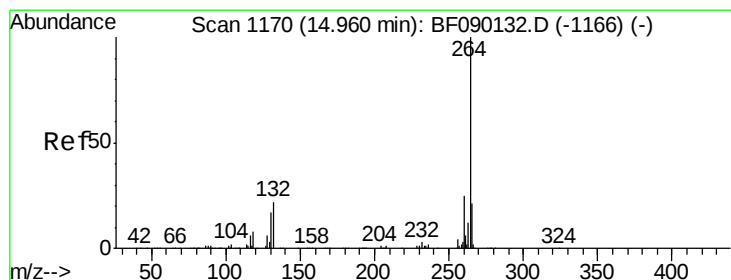
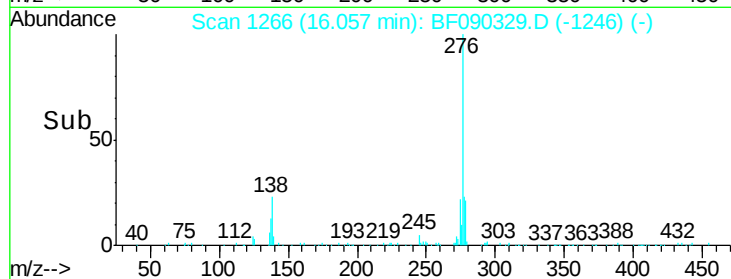
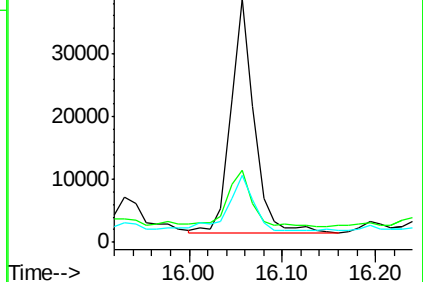
277 26.0 19.9 29.9



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: 14.90 min Scan# 1165

Delta R.T. 0.02 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

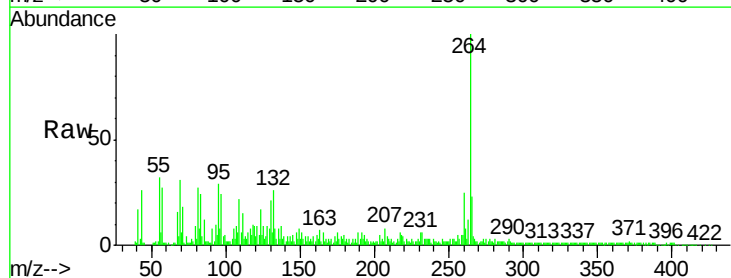
Tgt Ion:264 Resp: 166595

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

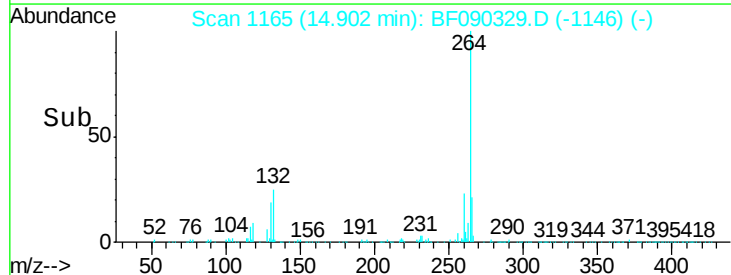
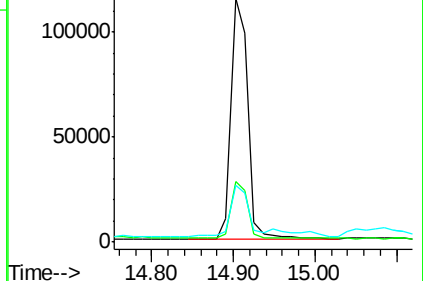
265 23.3 17.0 25.4

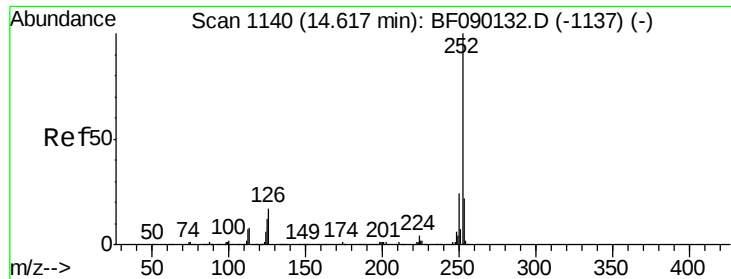


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.99 ng m

RT: 14.57 min Scan# 1136

Delta R.T. 0.02 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Instrument :

BNA_F

ClientSampleId :

S-10

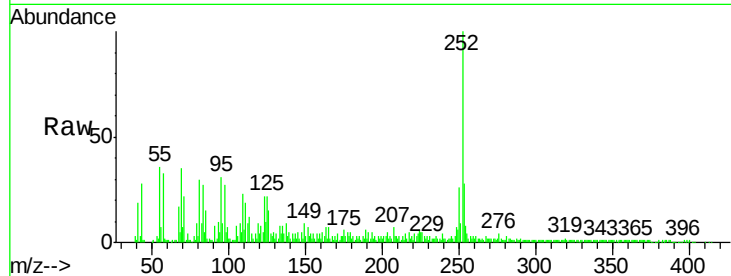
Tot Ion:252 Resp: 175210

Ion Ratio Lower Upper

252 100

253 27.8 17.9 26.9#

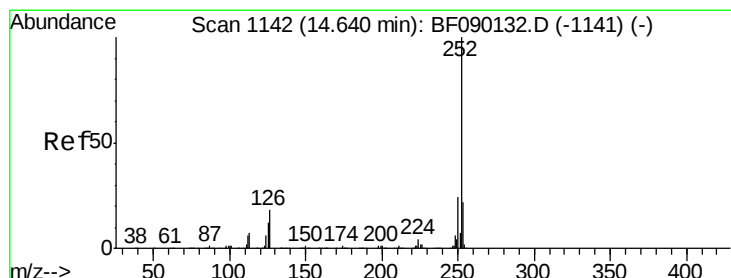
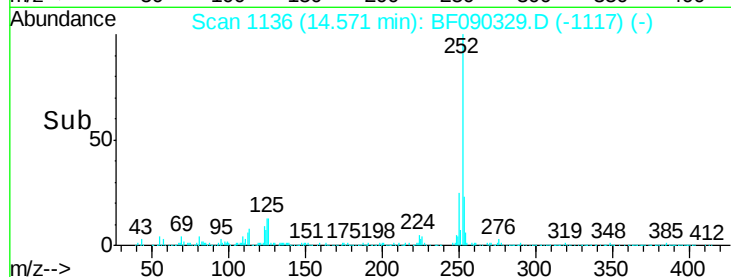
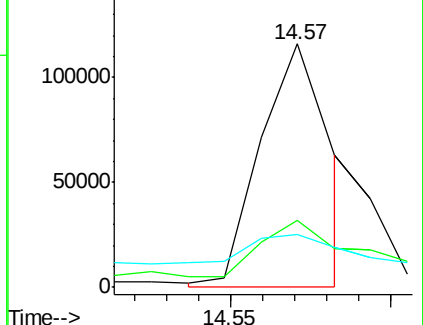
125 21.6 12.7 19.1#



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: 4.48 ng m

RT: 14.58 min Scan# 1137

Delta R.T. 0.01 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

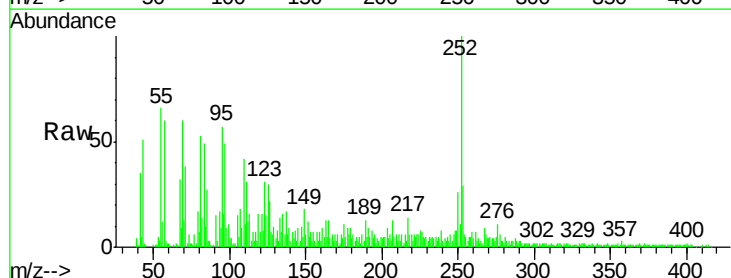
Tgt Ion:252 Resp: 38750

Ion Ratio Lower Upper

252 100

253 29.4 17.8 26.8#

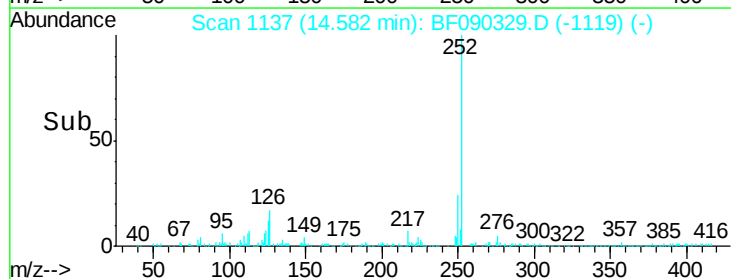
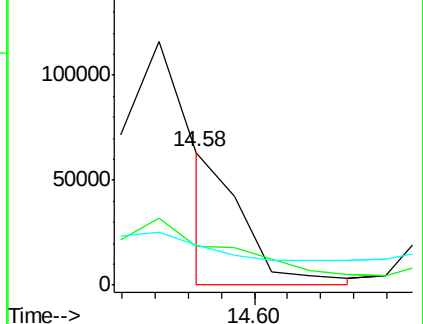
125 30.1 7.8 11.6#

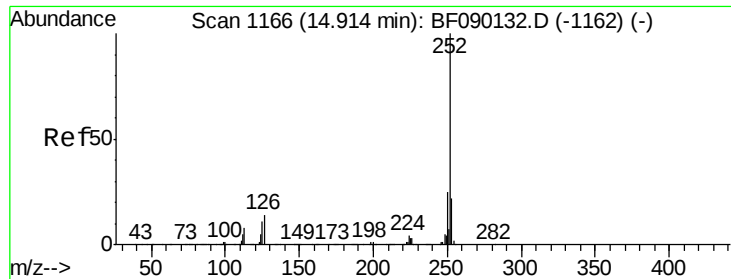


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

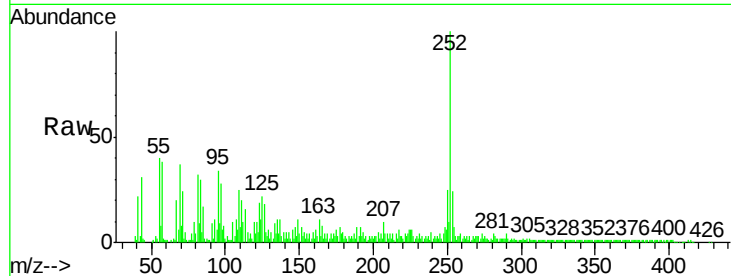




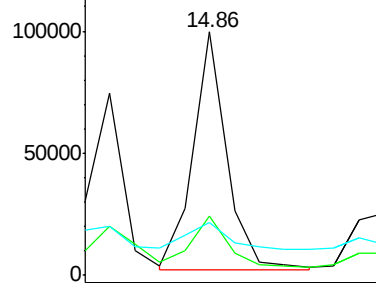
#89
Benzo(a)pyrene
Concen: 12.06 ng
RT: 14.86 min Scan# 1161
Delta R.T. 0.02 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Instrument :
BNA_F
ClientSampleId :
S-10

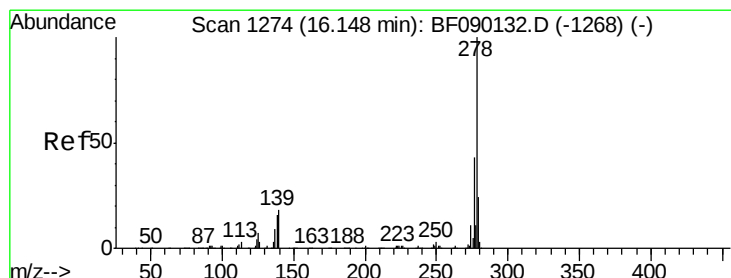
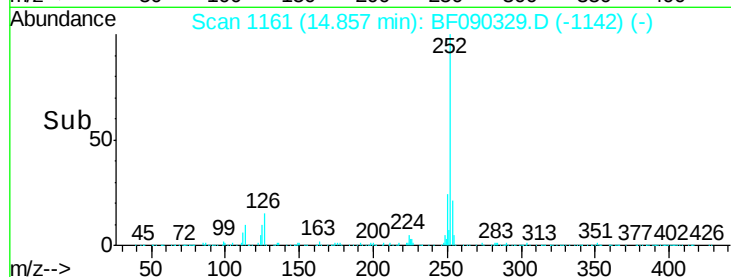
Tot Ion:252 Resp: 104657
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 21.9 7.7 11.5#



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

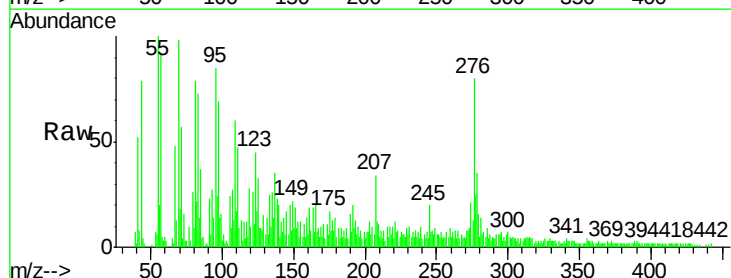


Time--> 14.80 14.85 14.90

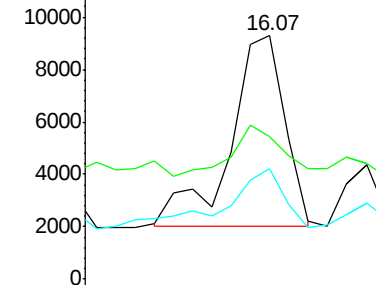


#90
Dibenzo(a,h)anthracene
Concen: 2.42 ng m
RT: 16.07 min Scan# 1267
Delta R.T. 0.03 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

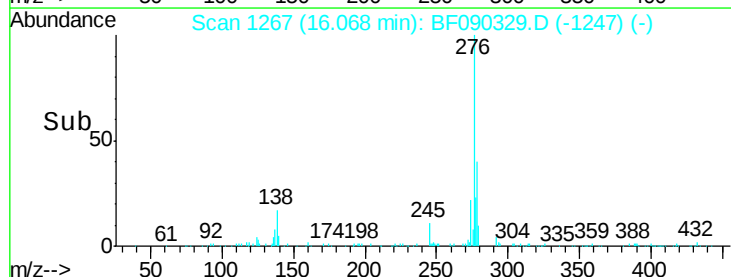
Tgt Ion:278 Resp: 16381
Ion Ratio Lower Upper
278 100
139 58.7 14.6 21.8#
279 45.5 18.8 28.2#

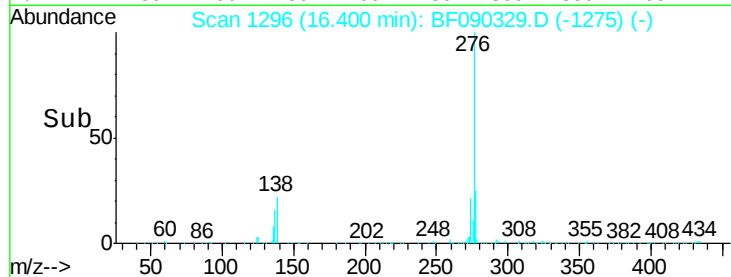
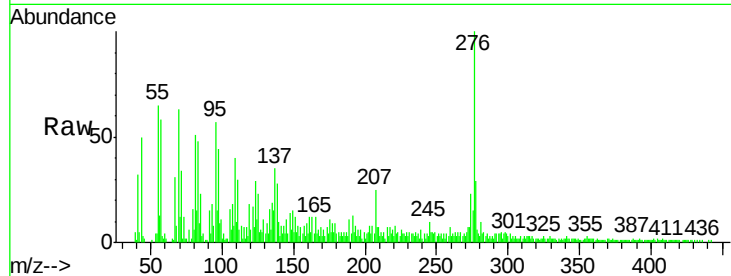
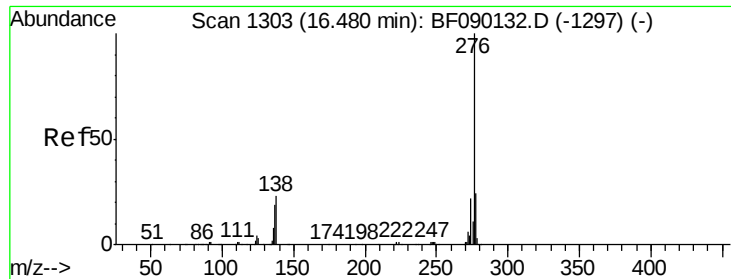


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 16.00 16.05 16.10





#91

Benzo(a,h,i)perylene

Concen: 9.78 ng

RT: 16.40 min Scan# 1296

Delta R.T. 0.05 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

Instrument :

BNA_F

ClientSampleId :

S-10

Tot Ion:276 Resp: 64839

Ion Ratio Lower Upper

276 100

277 28.6 18.9 28.3#

138 28.4 23.3 34.9

