

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 01 00:04:54 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

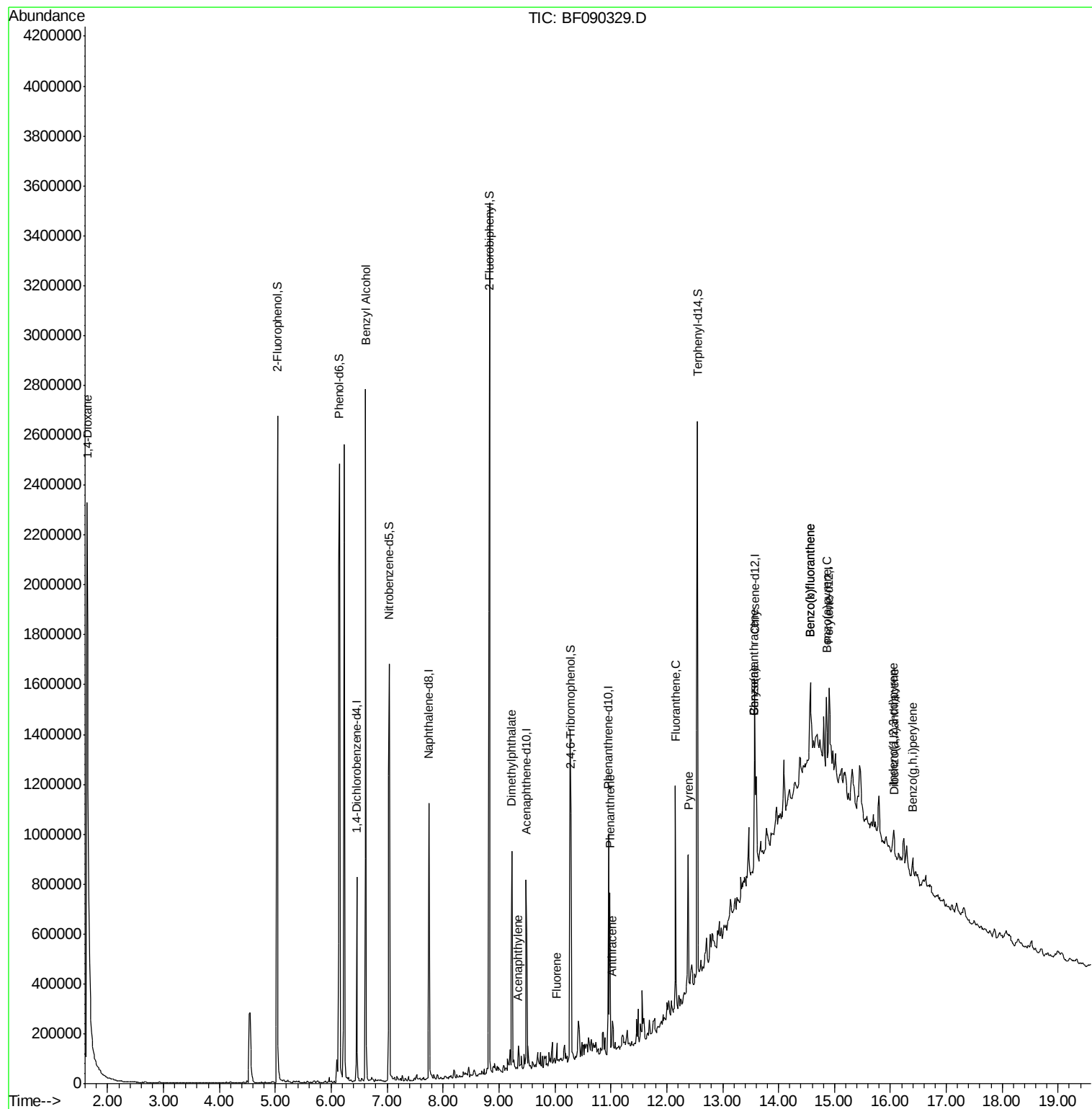
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	124205	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	480807	20.00	ng	0.00
38) Acenaphthene-d10	9.48	164	218688	20.00	ng	0.00
63) Phenanthrene-d10	10.96	188	301897	20.00	ng	0.01
75) Chrysene-d12	13.58	240	224556	20.00	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
2) 1,4-Dioxane	1.63	88	150255	36.34	ng	# 26
15) Benzyl Alcohol	6.62	79	13843	2.47	ng	# 47
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	13.57	228	176807	15.02	ng	97
85) Indeno(1,2,3-cd)pyrene	16.06	276	64887	6.82	ng	# 92
87) Benzo(b)fluoranthene	14.57	252	205072	22.23	ng	# 88
88) Benzo(k)fluoranthene	14.57	252	205072	23.69	ng	# 82
89) Benzo(a)pyrene	14.86	252	104657	12.06	ng	# 86
90) Dibenzo(a,h)anthracene	16.07	278	17239	2.55	ng	# 35
91) Benzo(g,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

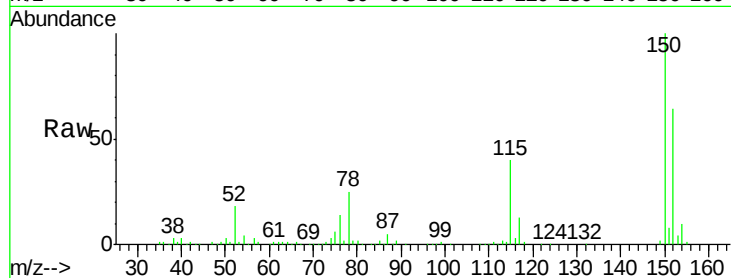
Tgt Ion: 152 Resp: 124205

Ion Ratio Lower Upper

152 100

150 156.3 128.9 193.3

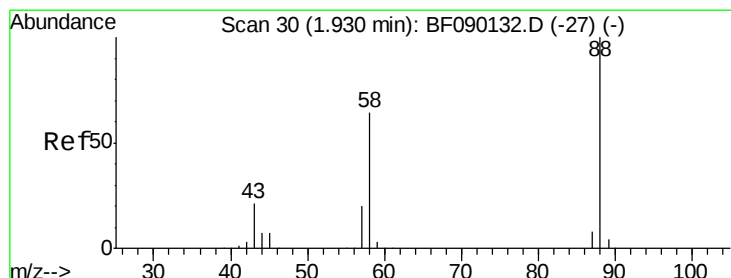
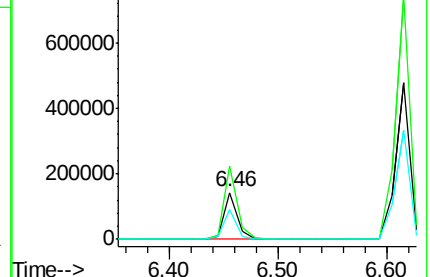
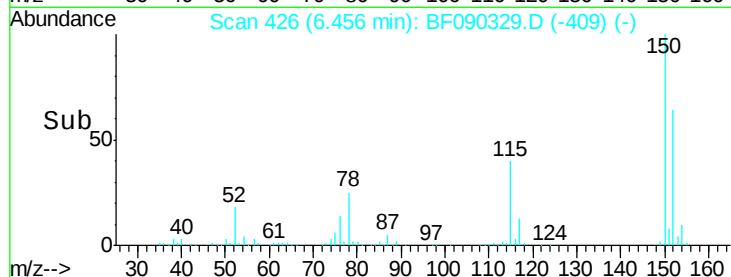
115 63.2 55.5 83.3



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



#2

1,4-Dioxane

Concen: 36.34 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.16 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

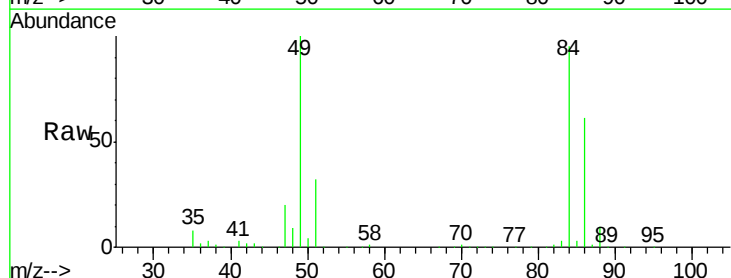
Tgt Ion: 88 Resp: 150255

Ion Ratio Lower Upper

88 100

58 0.0 53.4 80.0#

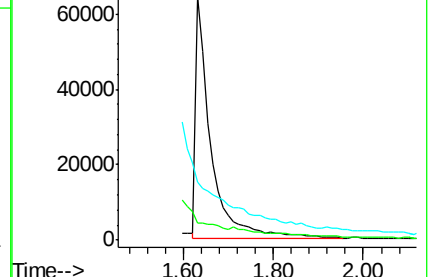
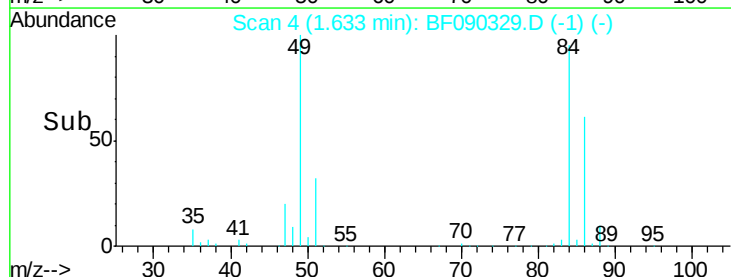
43 0.0 16.5 24.7#

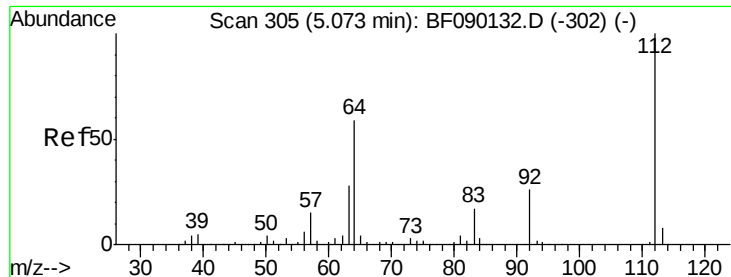


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#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

Instrument :

BNA_F

ClientSampleId :

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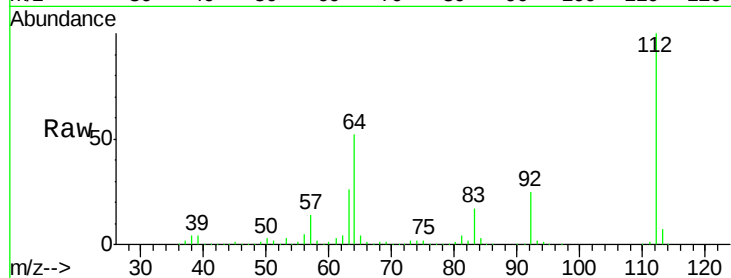
Tgt Ion: 112 Resp: 1073137

Ion Ratio Lower Upper

112 100

64 51.7 39.8 59.6

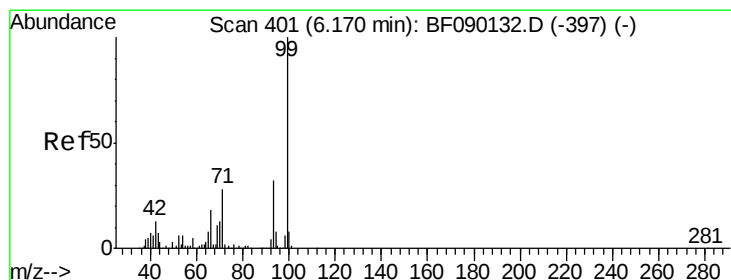
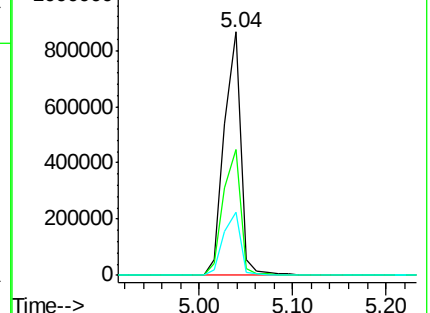
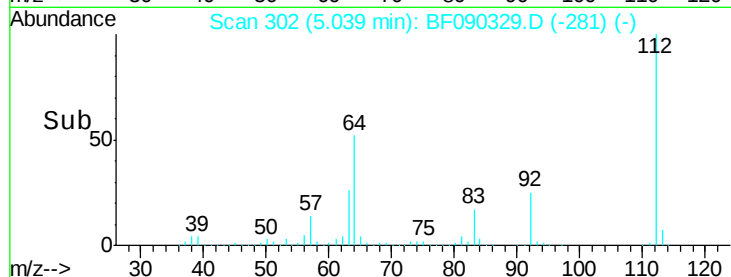
63 25.8 18.9 28.3



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

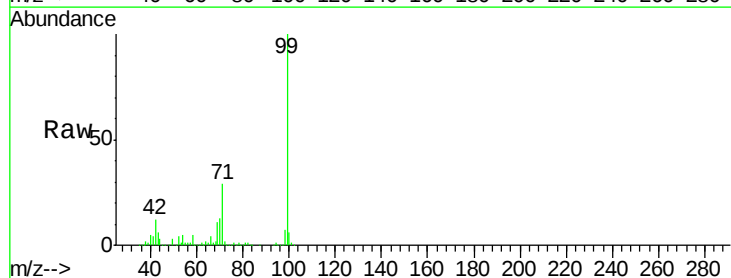
Tgt Ion: 99 Resp: 1497889

Ion Ratio Lower Upper

99 100

42 11.7 10.6 15.8

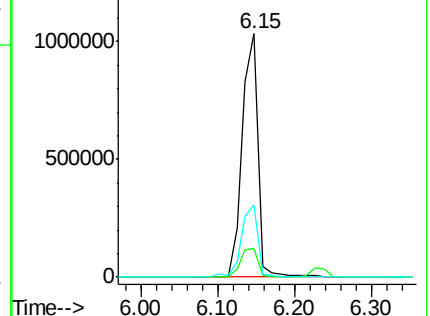
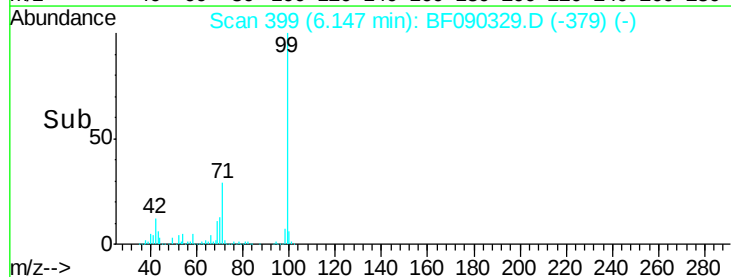
71 29.4 23.0 34.6

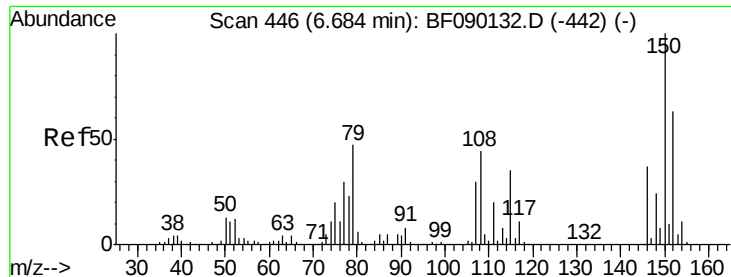


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

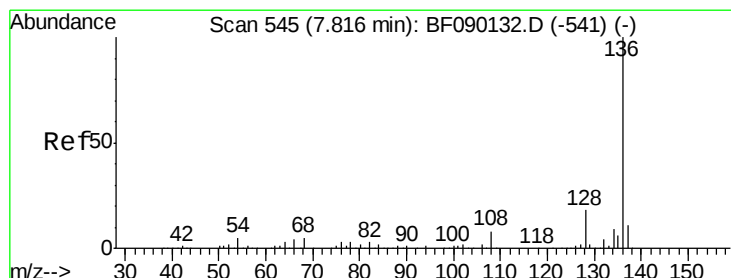
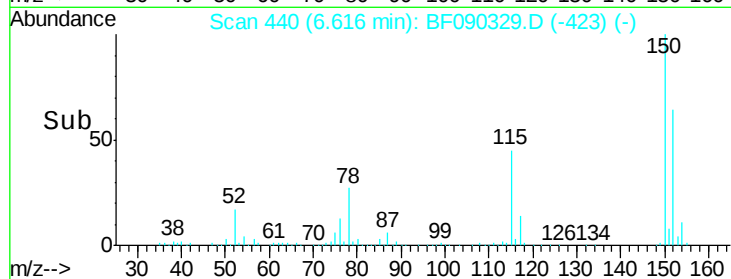
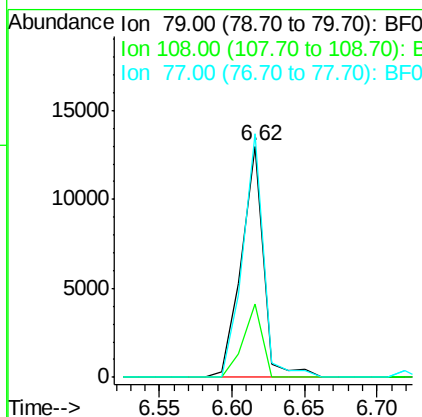
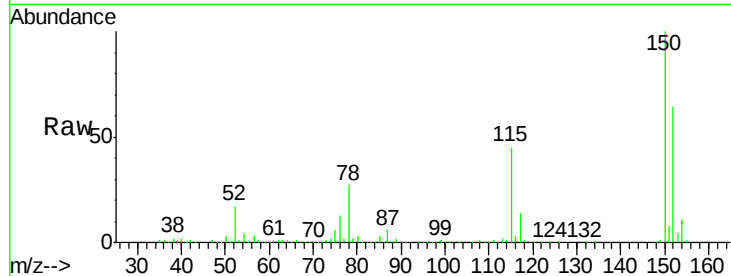




#15
Benzyl Alcohol
Concen: 2.47 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

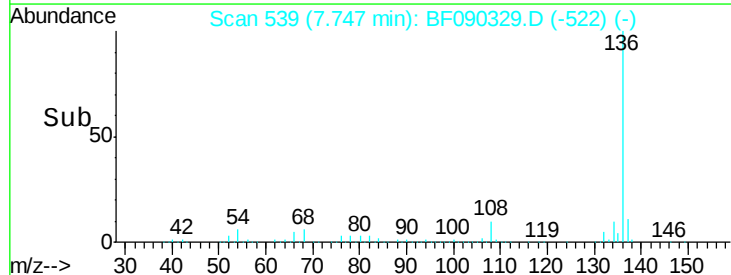
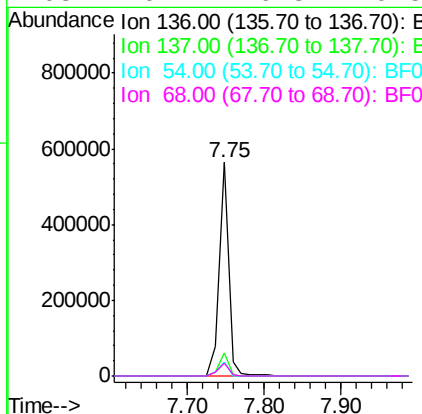
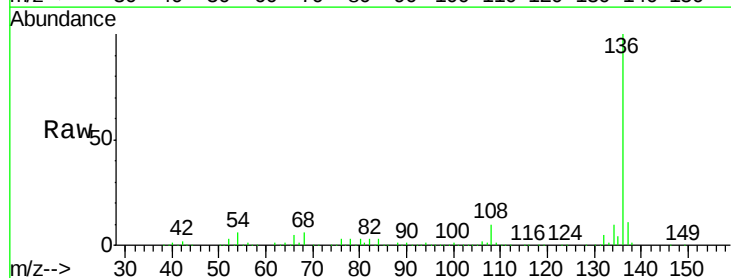
Instrument :
BNA_F
ClientSampleId :
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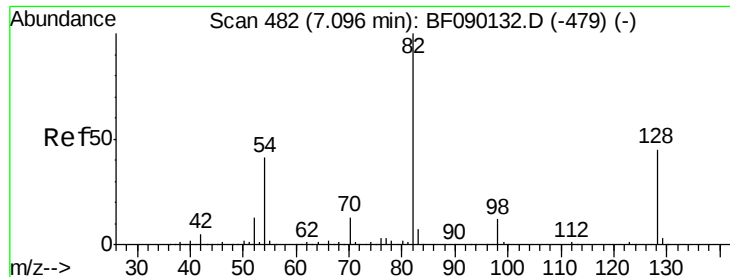
Tgt Ion: 79 Resp: 13843
Ion Ratio Lower Upper
79 100
108 32.0 62.2 93.4#
77 105.5 51.4 77.0#



#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#

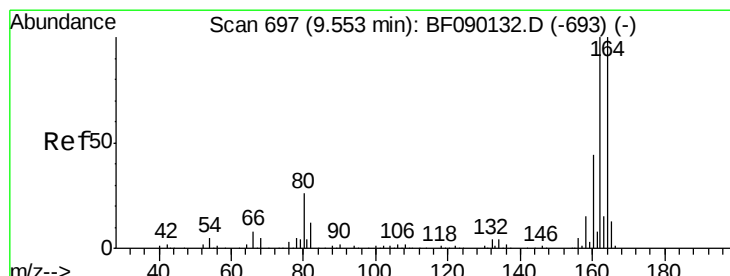
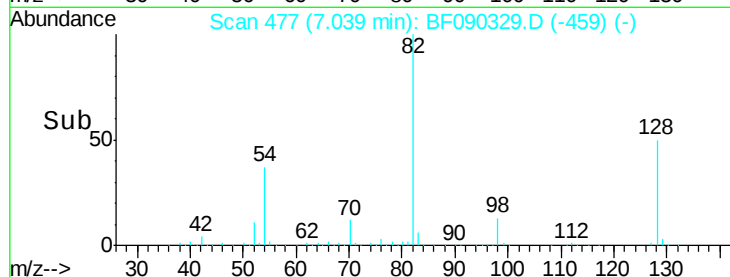
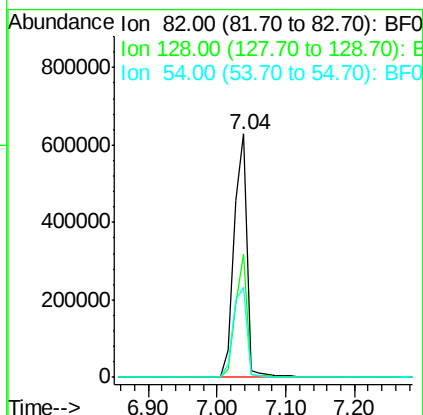
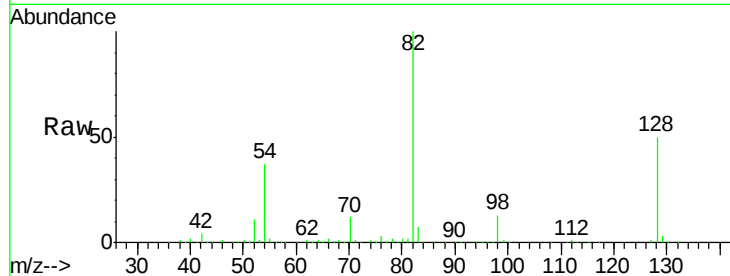




#23
 Nitrobenzene-d5
 Concen: 100.57 ng
 RT: 7.04 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

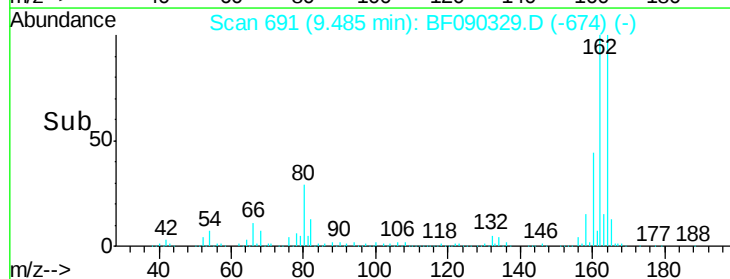
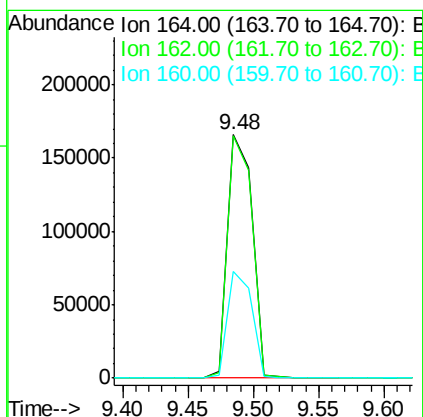
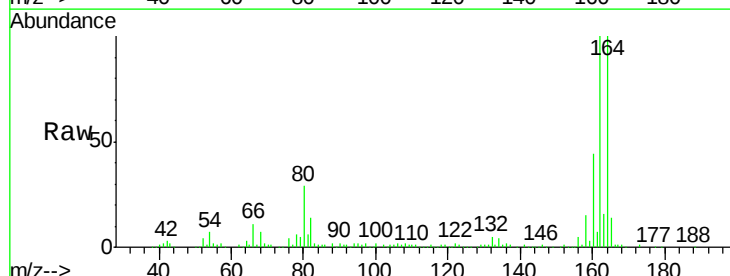
Instrument :
 BNA_F
 ClientSampled :
 S-10

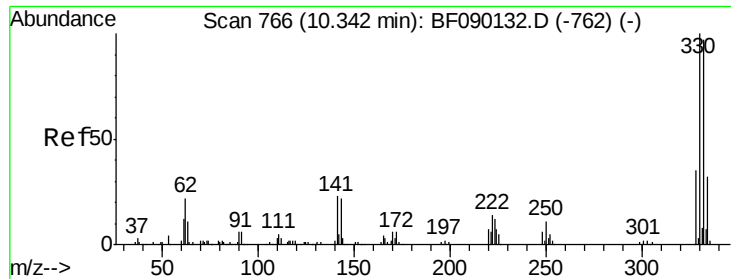
Tgt Ion: 82 Resp: 834191
 Ion Ratio Lower Upper
 82 100
 128 50.5 37.5 56.3
 54 36.8 31.9 47.9



#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 Lower Upper
 164 100
 162 99.5 81.4 122.2
 160 44.0 36.6 54.8

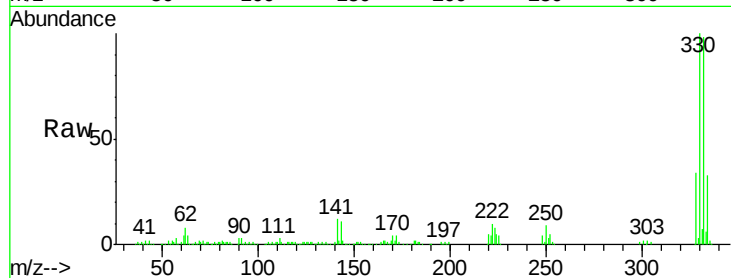




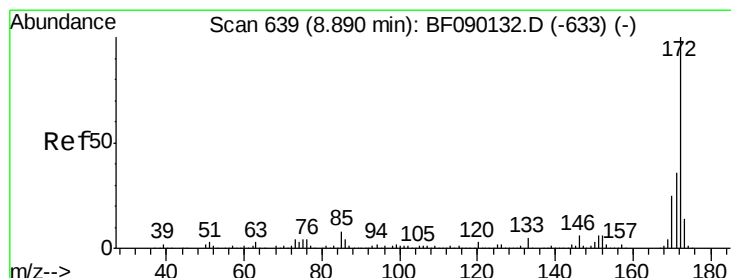
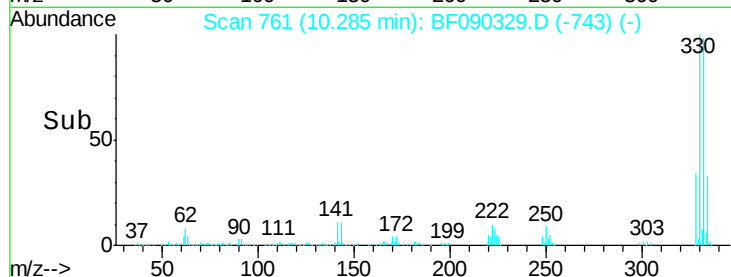
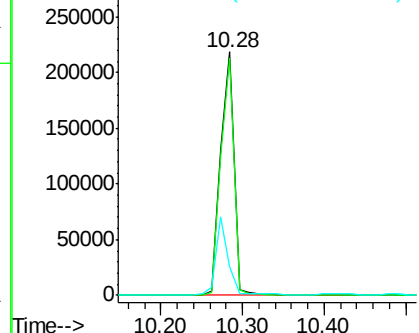
#41
 2,4,6-Tribromophenol
 Concen: 133.87 ng
 RT: 10.28 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

Instrument :
 BNA_F
 ClientSampled :
 S-10

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

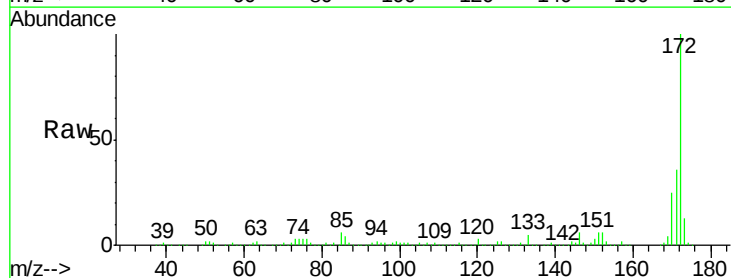


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

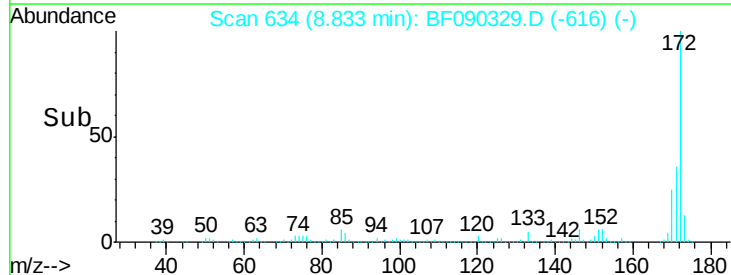
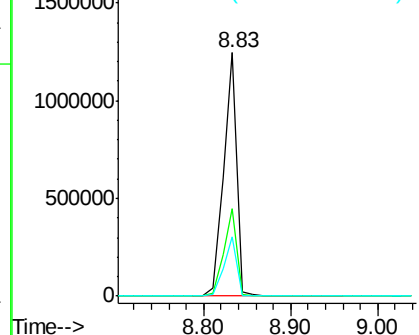


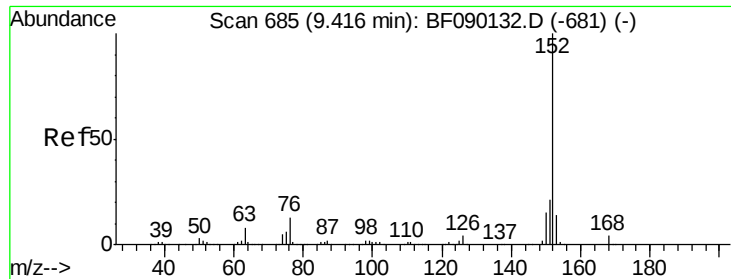
#44
 2-Fluorobiphenyl
 Concen: 118.93 ng
 RT: 8.83 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

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 :

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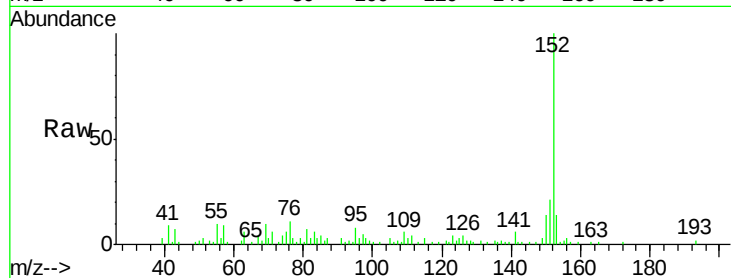
Tgt Ion:152 Resp: 38984

Ion Ratio Lower Upper

152 100

151 20.7 16.5 24.7

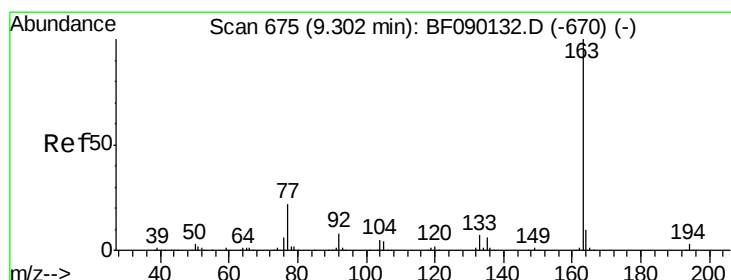
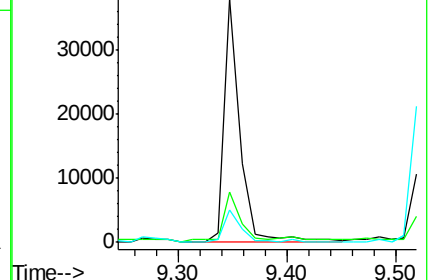
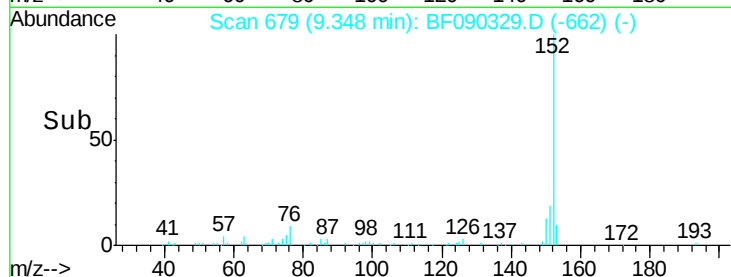
153 13.5 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#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

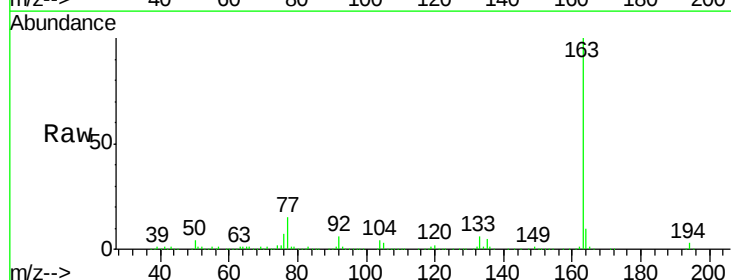
Tgt Ion:163 Resp: 449109

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

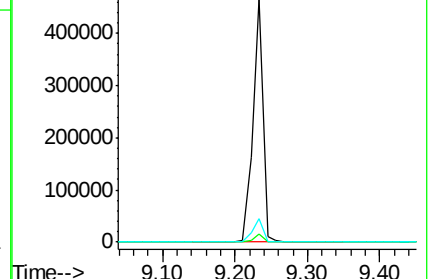
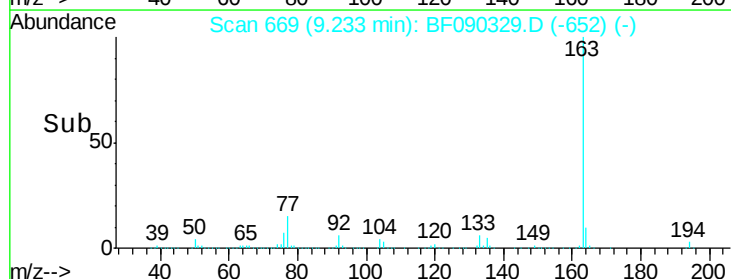
164 9.7 8.1 12.1

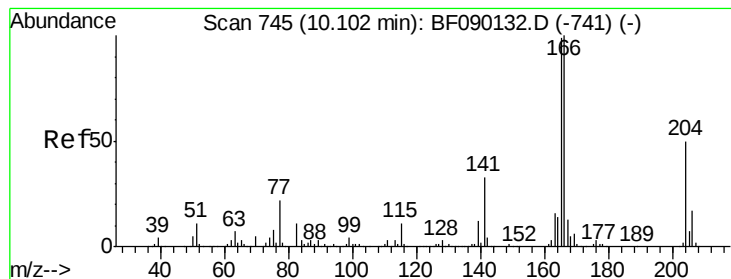


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#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 :

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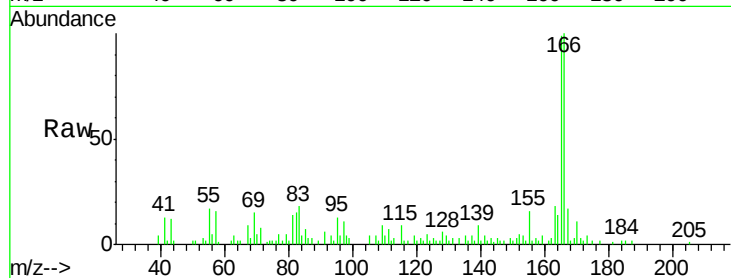
Tgt Ion:166 Resp: 24340

Ion Ratio Lower Upper

166 100

165 99.2 78.5 117.7

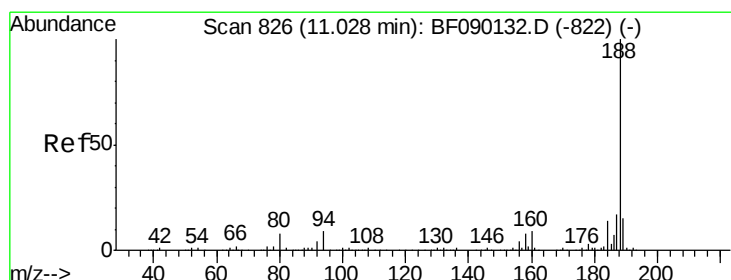
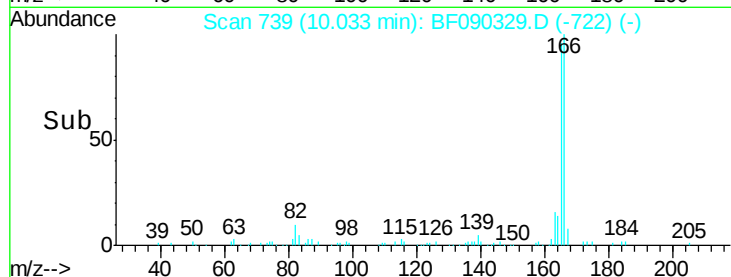
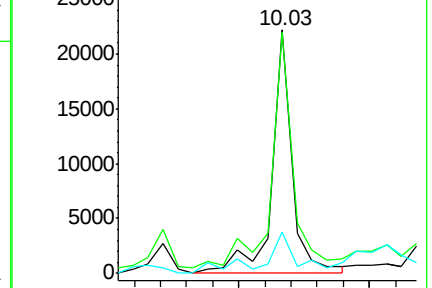
167 16.8 11.2 16.8



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

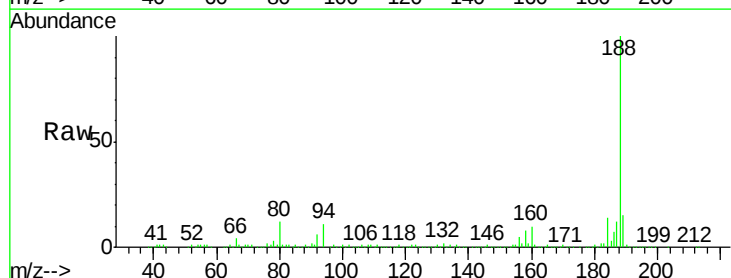
Tgt Ion:188 Resp: 301897

Ion Ratio Lower Upper

188 100

94 11.3 10.5 15.7

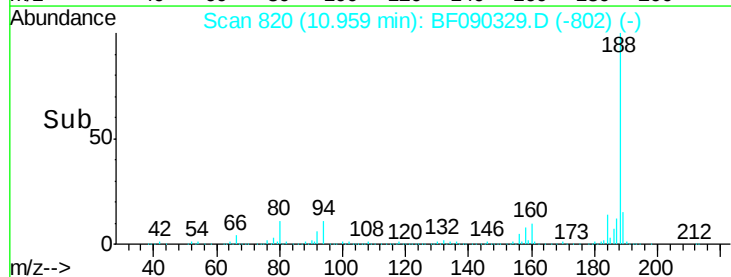
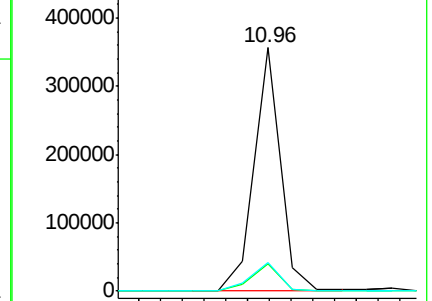
80 11.6 11.2 16.8

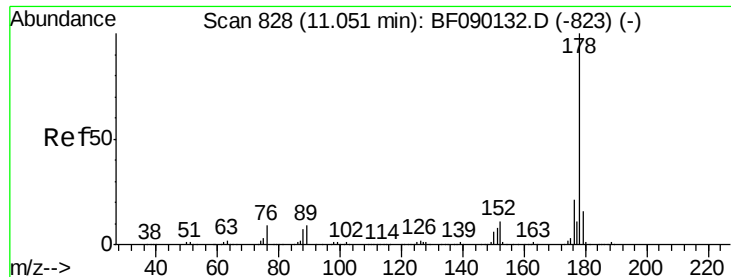


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

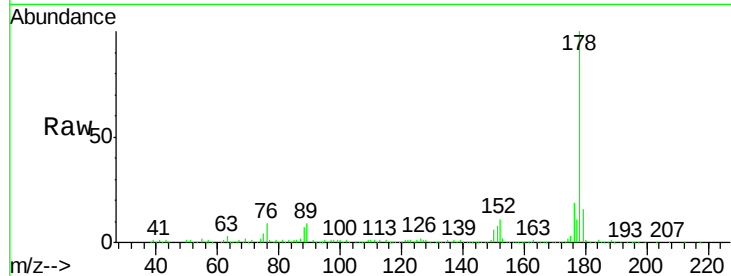




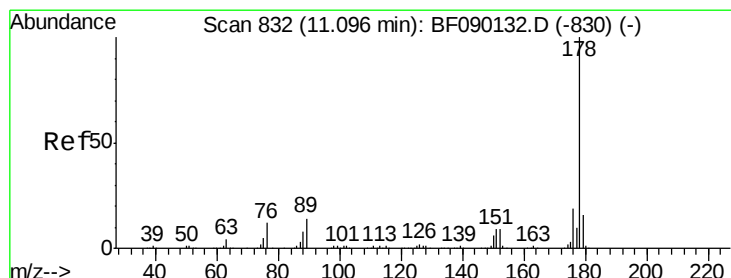
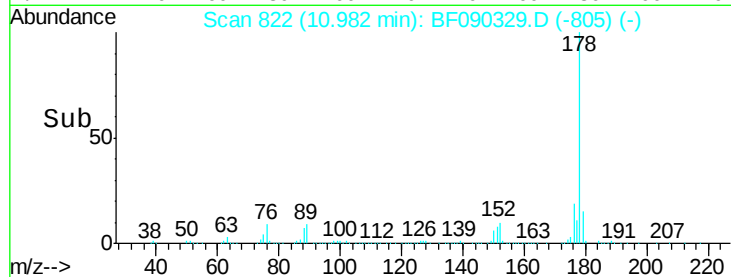
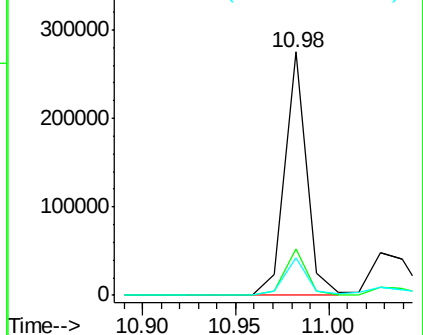
#70
Phenanthrene
Concen: 15.87 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Instrument :
BNA_F
ClientSampleId :
S-10

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

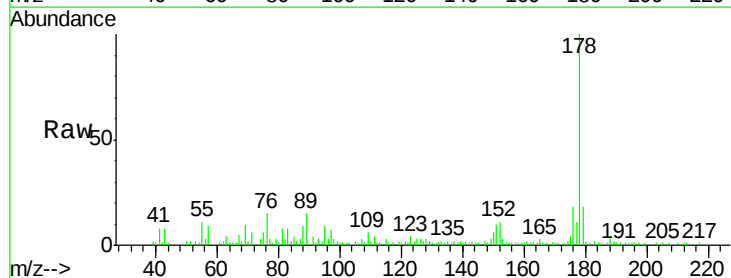


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

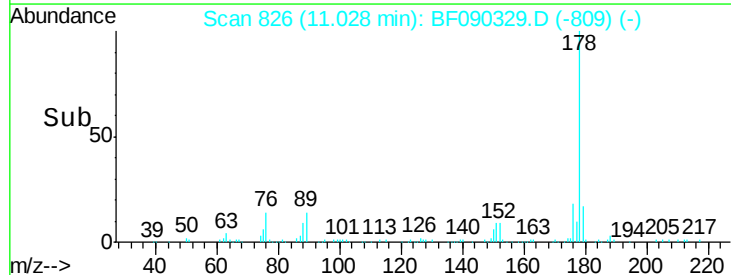
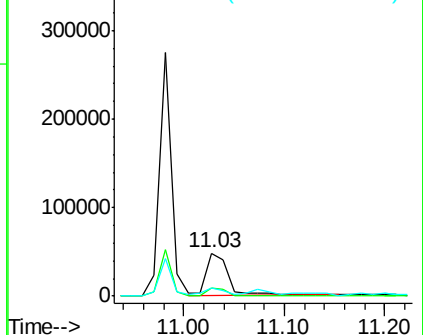


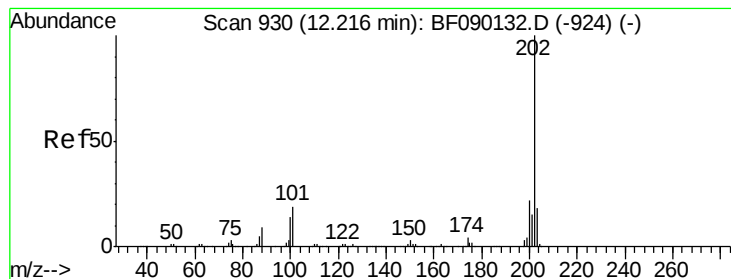
#71
Anthracene
Concen: 4.84 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

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

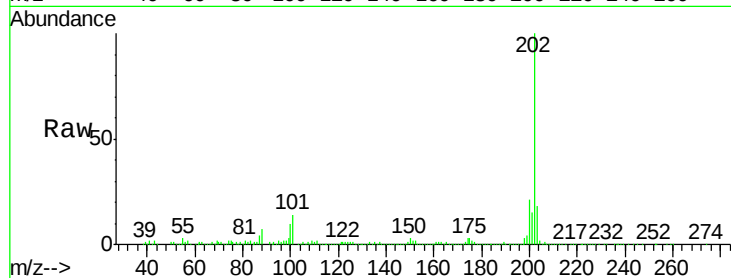
Tgt Ion:202 Resp: 350061

Ion Ratio Lower Upper

202 100

101 13.9 0.0 36.1

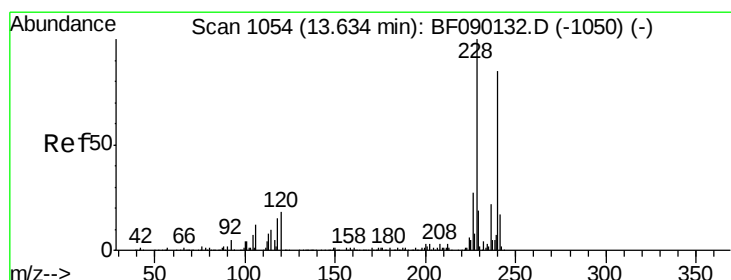
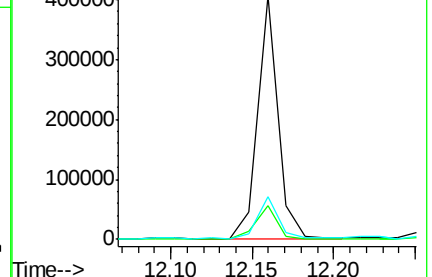
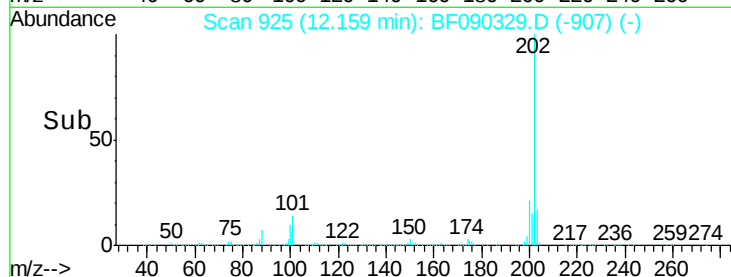
203 17.6 0.0 38.2



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

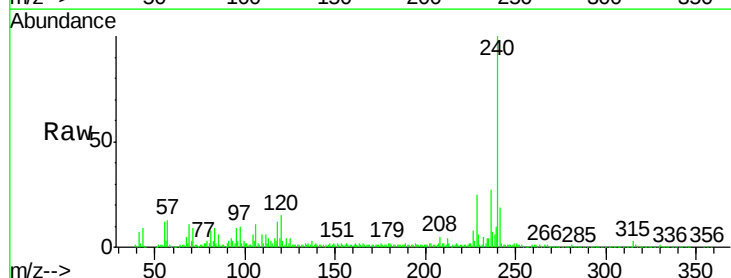
Tgt Ion:240 Resp: 224556

Ion Ratio Lower Upper

240 100

120 14.9 10.6 16.0

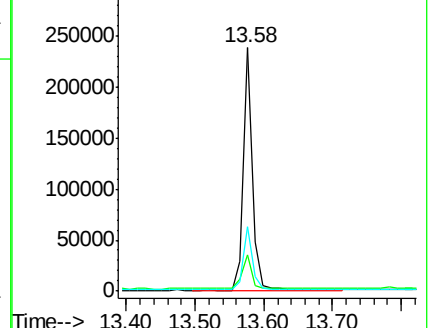
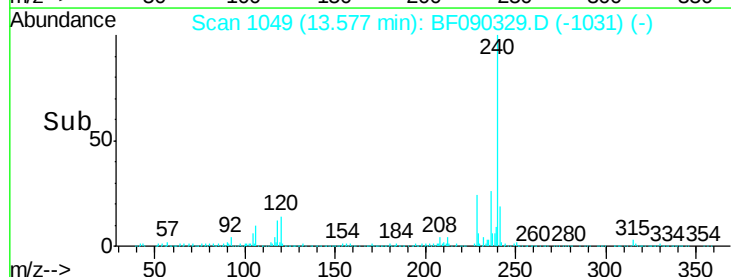
236 26.5 21.6 32.4

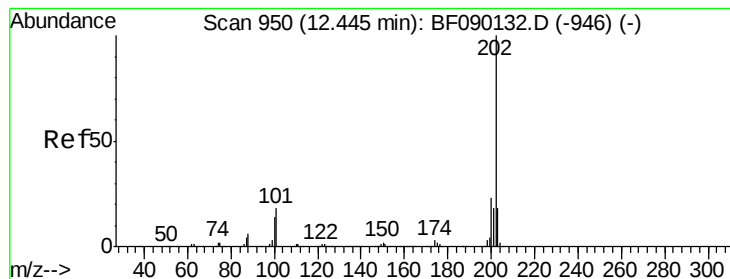


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

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 :

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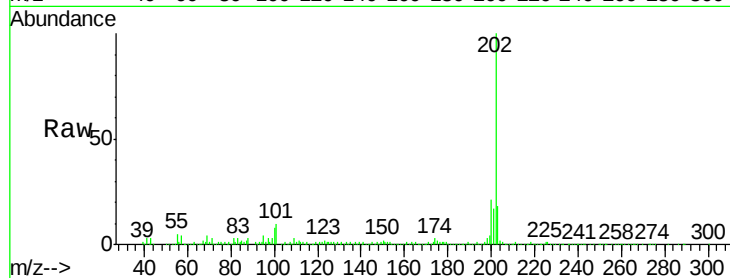
Tgt Ion:202 Resp: 339206

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

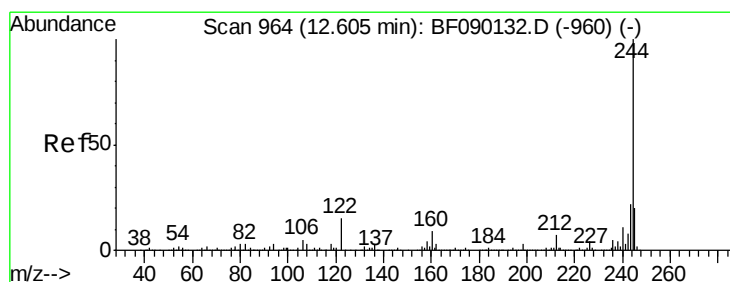
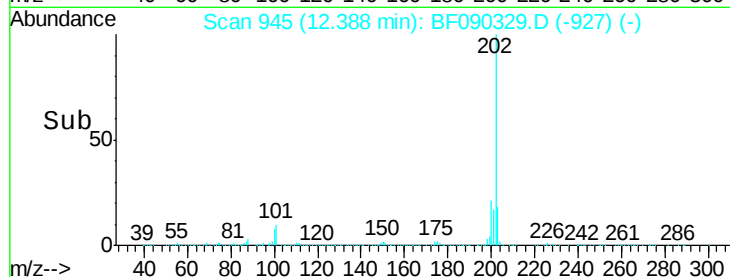
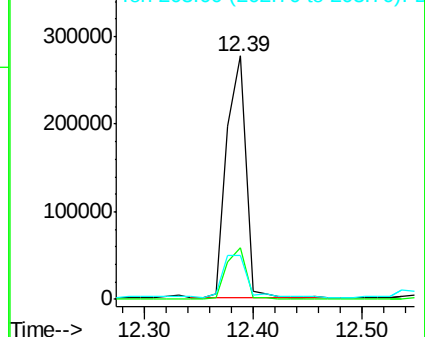
203 17.9 14.2 21.4



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

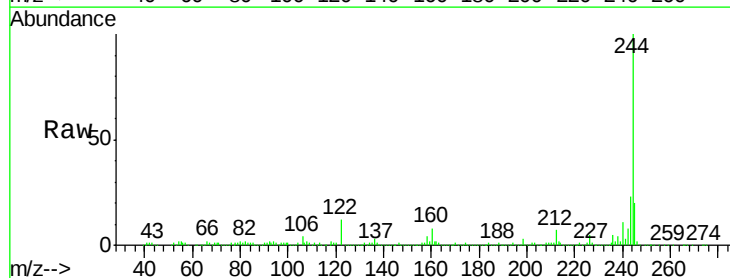
Tgt Ion:244 Resp: 807767

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

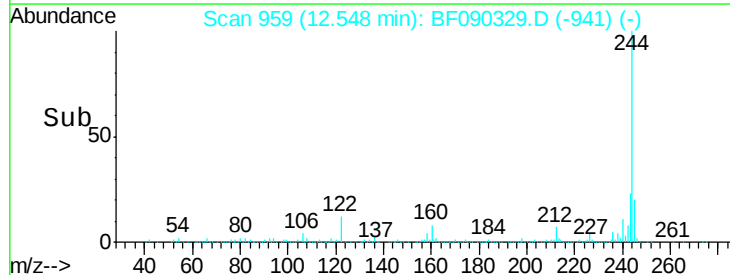
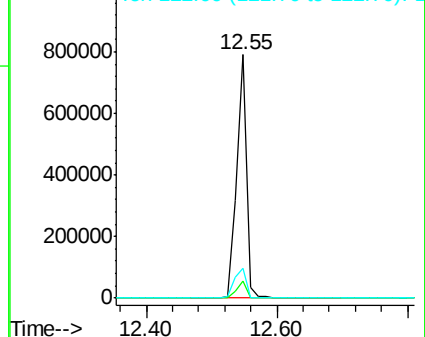
122 12.4 9.4 14.0

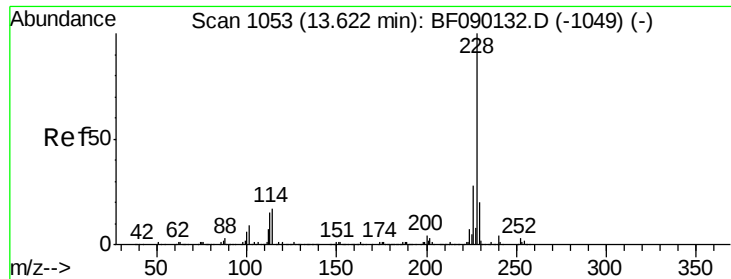


Abundance Ion 244.00 (243.70 to 244.70): E

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 :

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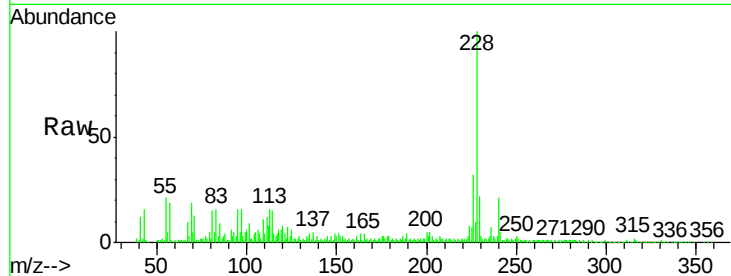
Tgt Ion:228 Resp: 176807

Ion Ratio Lower Upper

228 100

226 31.9 22.0 33.0

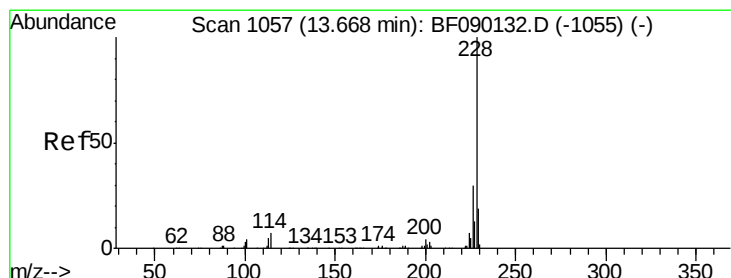
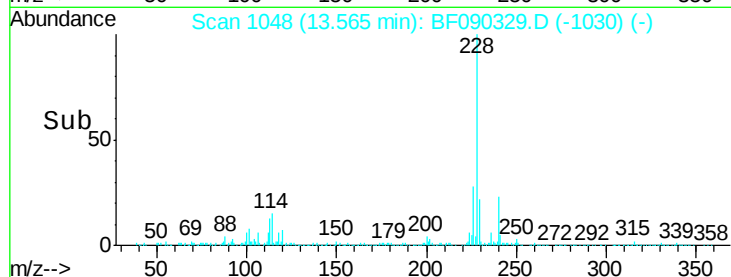
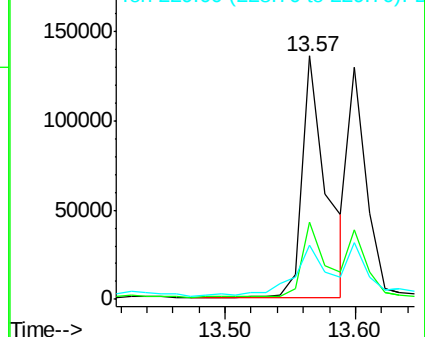
229 22.4 16.2 24.2



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: 15.02 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

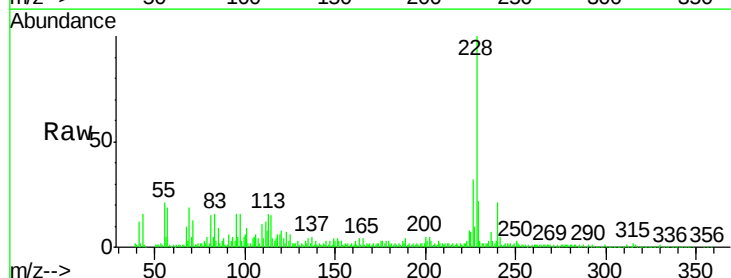
Tgt Ion:228 Resp: 176807

Ion Ratio Lower Upper

228 100

226 31.9 24.6 37.0

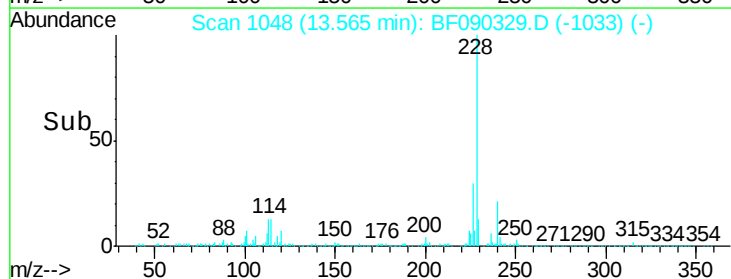
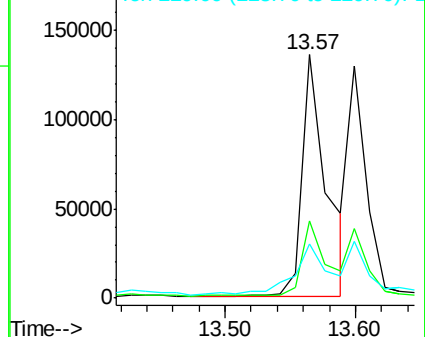
229 22.4 16.2 24.4

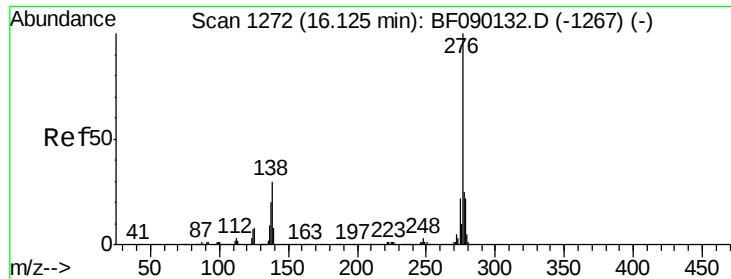


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

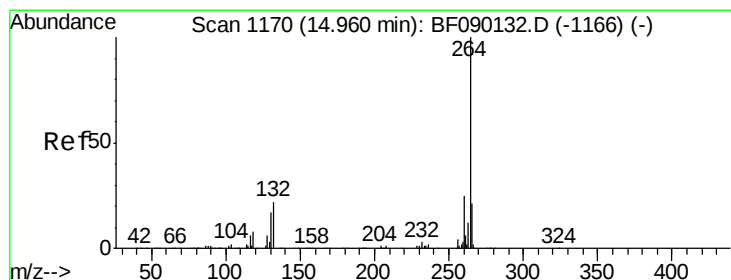
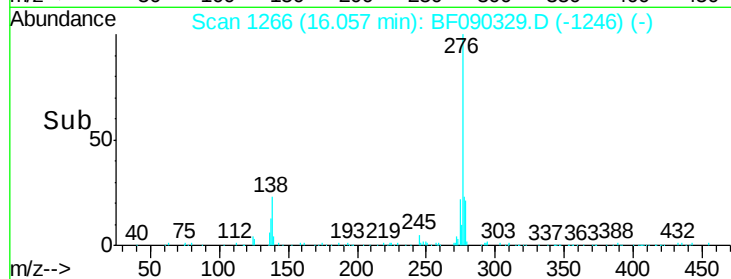
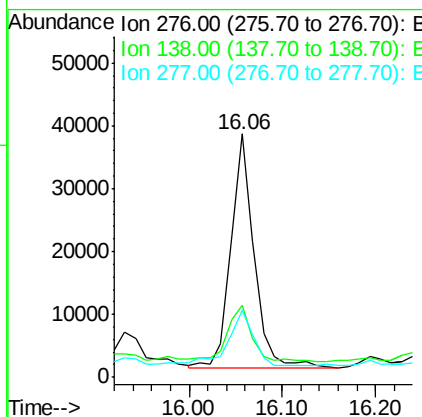
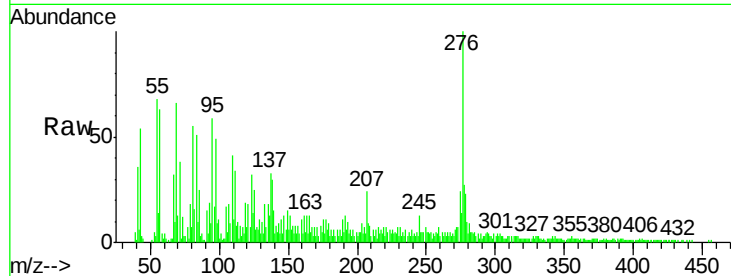




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.82 ng
 RT: 16.06 min Scan# 1266
 Delta R.T. 0.03 min
 Lab File: BF090329.D
 Acq: 30 Sep 2016 23:05

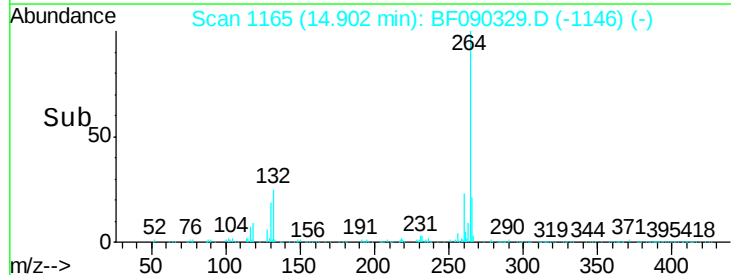
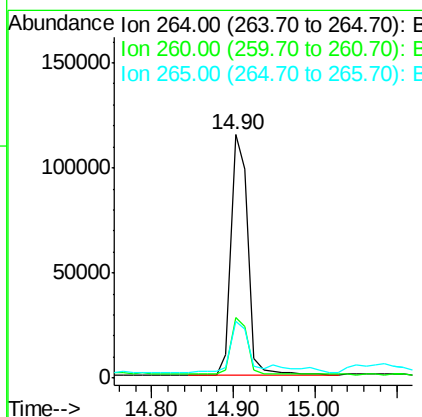
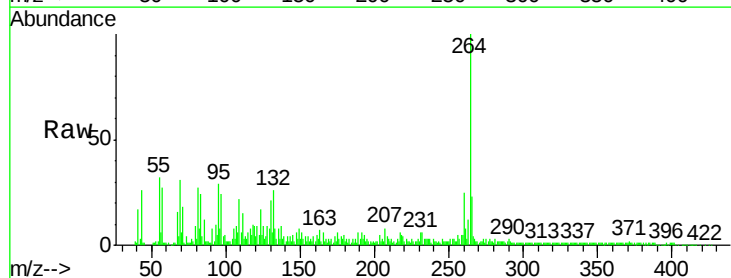
Instrument :
 BNA_F
 ClientSampleId :
 S-10

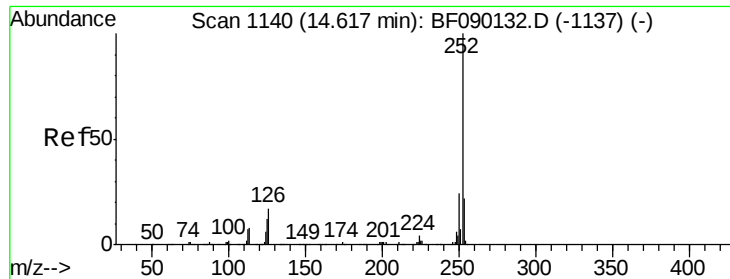
Tgt Ion: 276 Resp: 64887
 Ion Ratio Lower Upper
 276 100
 138 25.5 25.9 38.9#
 277 26.0 19.9 29.9



#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





#87

Benzo(b)fluoranthene

Concen: 22.23 ng

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

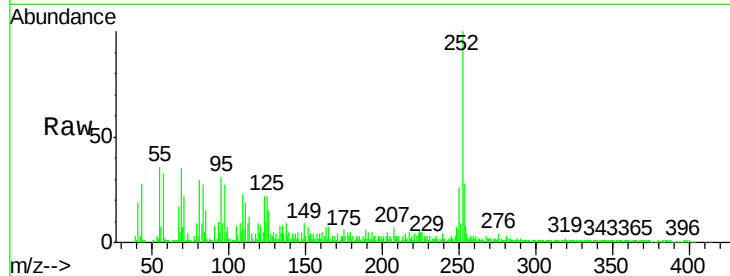
Tgt Ion:252 Resp: 205072

Ion Ratio Lower Upper

252 100

253 27.8 17.9 26.9#

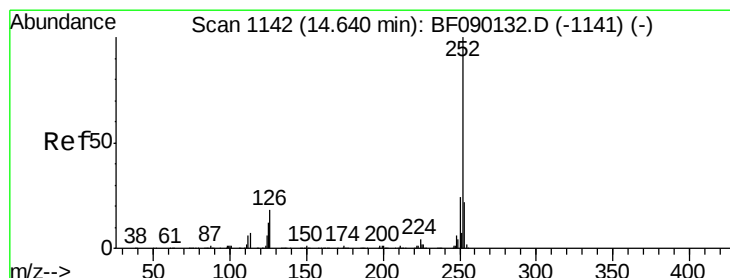
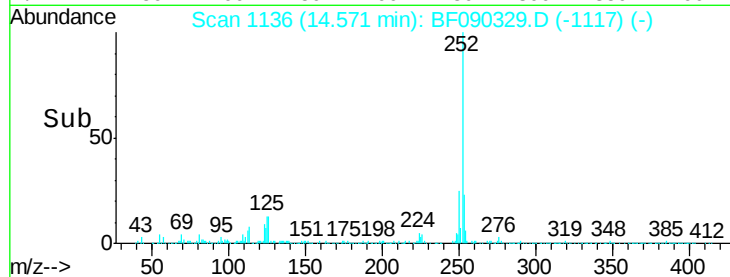
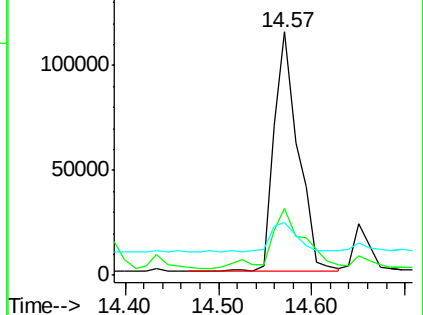
125 21.6 12.7 19.1#



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: 23.69 ng

RT: 14.57 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF090329.D

Acq: 30 Sep 2016 23:05

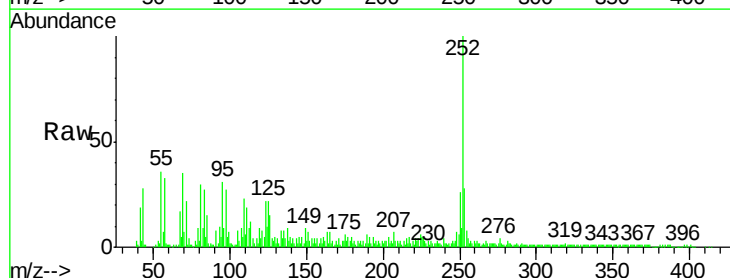
Tgt Ion:252 Resp: 205072

Ion Ratio Lower Upper

252 100

253 27.8 17.8 26.8#

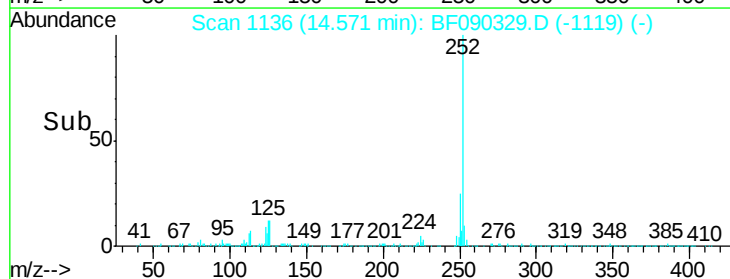
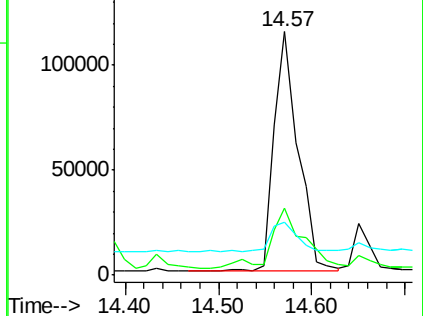
125 21.6 7.8 11.6#

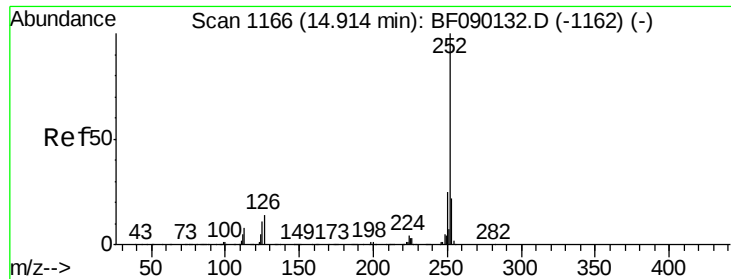


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

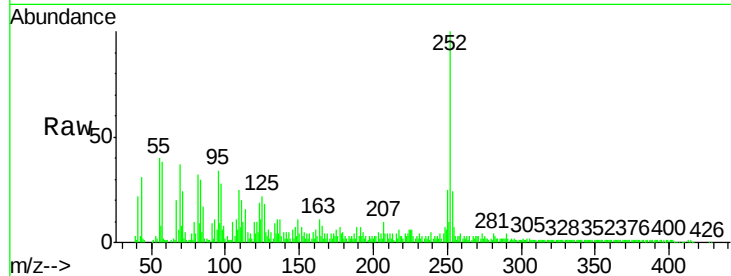




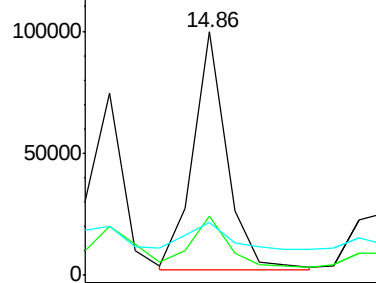
#89
Benzo(a)pyrene
Concen: 12.06 ng
RT: 14.86 min Scan# 1161
Delta R.T. 0.02 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

Instrument :
BNA_F
ClientSampleId :
S-10

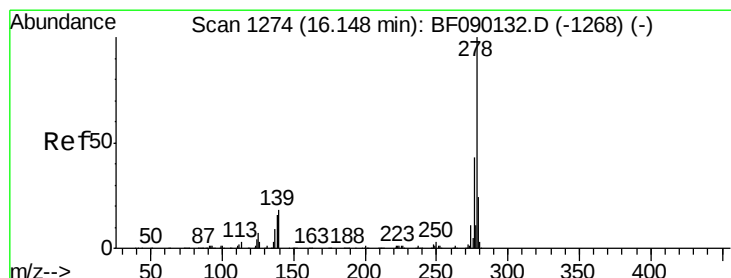
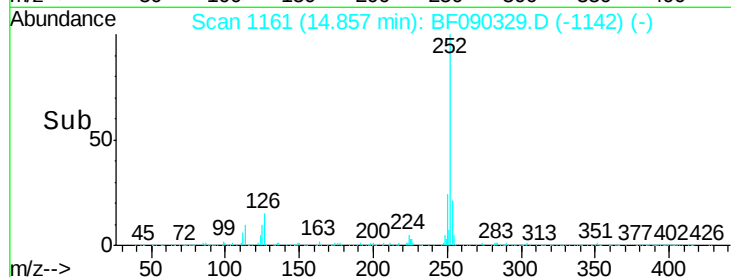
Tgt Ion: 252 Resp: 104657
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 21.9 7.7 11.5#



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

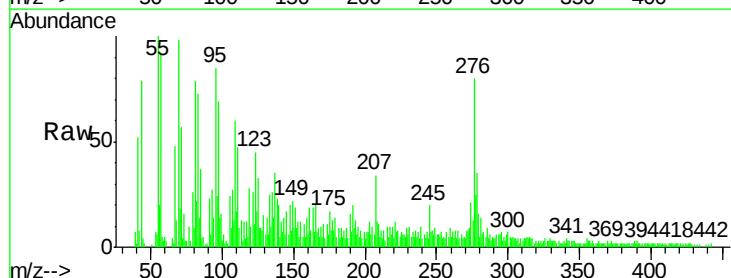


Time--> 14.80 14.85 14.90

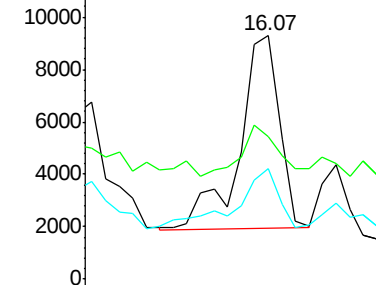


#90
Dibenzo(a,h)anthracene
Concen: 2.55 ng
RT: 16.07 min Scan# 1267
Delta R.T. 0.03 min
Lab File: BF090329.D
Acq: 30 Sep 2016 23:05

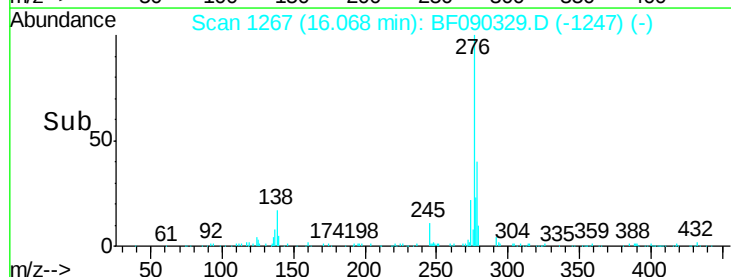
Tgt Ion: 278 Resp: 17239
Ion Ratio Lower Upper
278 100
139 58.7 14.6 21.8#
279 45.5 18.8 28.2#

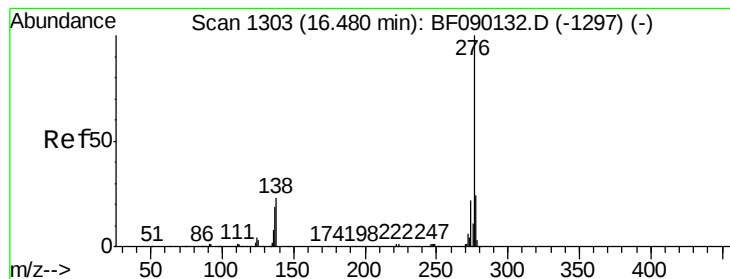


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 16.00 16.10





#91

Benzo(g,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

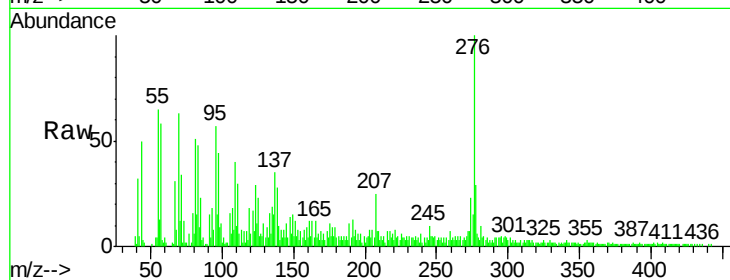
Tgt Ion: 276 Resp: 64839

Ion Ratio Lower Upper

276 100

277 28.6 18.9 28.3#

138 28.4 23.3 34.9



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

