

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092116\
 Data File : BF090179.D
 Acq On : 22 Sep 2016 00:35
 Operator : UM/SJ
 Sample : H4856-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-6-0.5-1.5FT

Quant Time: Sep 22 01:57:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

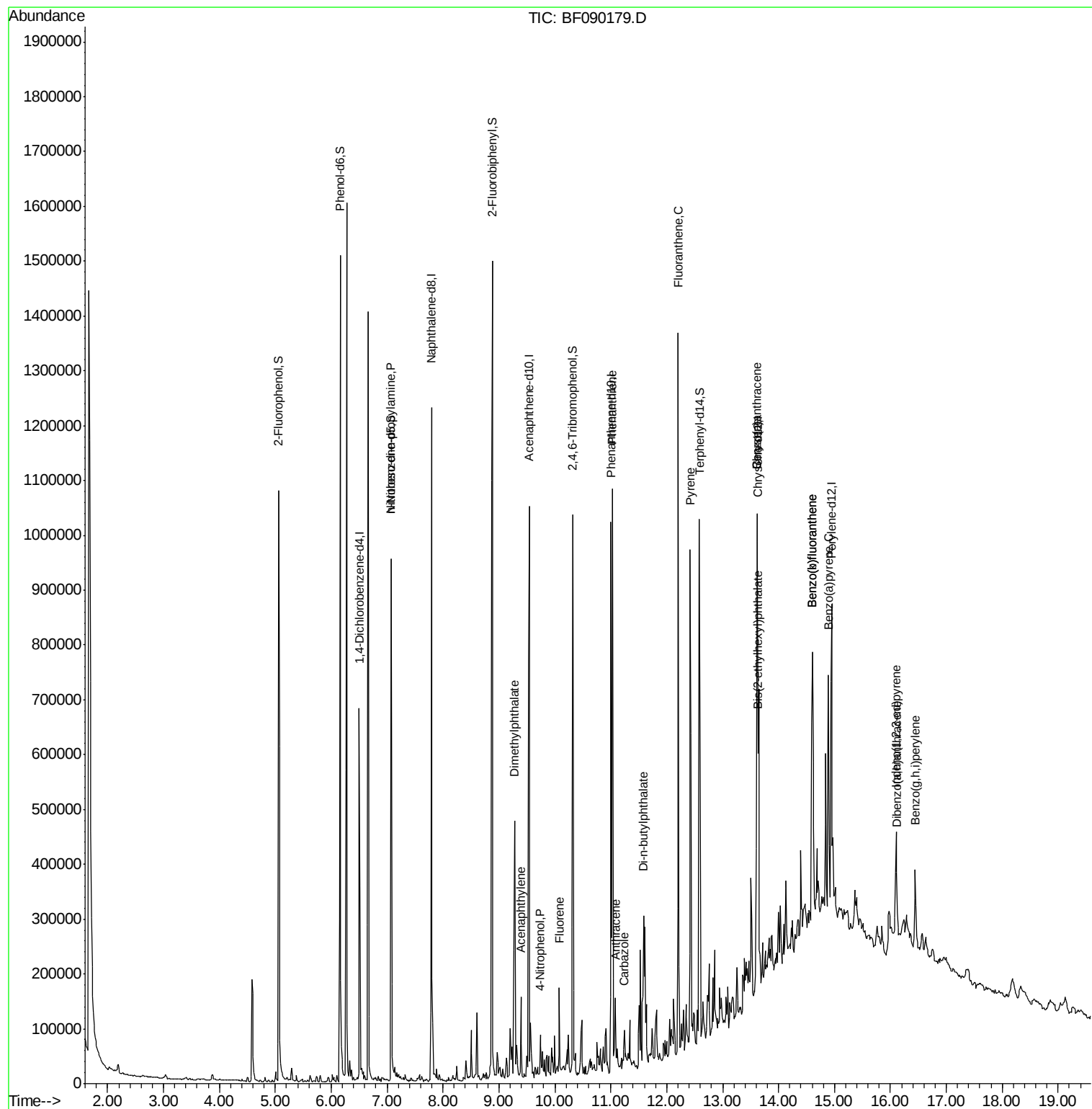
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	136347	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	545400	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	307028	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	367996	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	304506	20.00	ng	-0.01
86) Perylene-d12	14.95	264	295140	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	446494	53.38	ng	-0.01
7) Phenol-d6	6.16	99	618721	59.89	ng	-0.01
23) Nitrobenzene-d5	7.07	82	351336	37.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	123987	47.07	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	678840	43.41	ng	-0.01
78) Terphenyl-d14	12.58	244	354121	29.53	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.07	70	39048	6.43	ng	# 80
48) Acenaphthylene	9.39	152	62009	2.36	ng	98
49) Dimethylphthalate	9.28	163	243291	12.44	ng	99
55) 4-Nitrophenol	9.74	139	11374	3.25	ng	# 22
57) Fluorene	10.08	166	34136	2.20	ng	98
70) Phenanthrene	11.03	178	378061	21.97	ng	99
71) Anthracene	11.08	178	88093	4.88	ng	99
72) Carbazole	11.24	167	45075	2.36	ng	97
73) Di-n-butylphthalate	11.59	149	150818	6.80	ng	99
74) Fluoranthene	12.20	202	515648	27.91	ng	97
77) Pyrene	12.42	202	441410	21.18	ng	# 95
80) Benzo(a)anthracene	13.61	228	221589	13.53	ng	96
82) Chrysene	13.61	228	221589	13.89	ng	99
83) Bis(2-ethylhexyl)phthalate	13.63	149	44392	3.40	ng	98
85) Indeno(1,2,3-cd)pyrene	16.10	276	116176	9.00	ng	93
87) Benzo(b)fluoranthene	14.61	252	372426	22.79	ng	97
88) Benzo(k)fluoranthene	14.61	252	372426	24.28	ng	# 97
89) Benzo(a)pyrene	14.89	252	190164	12.37	ng	# 93
90) Dibenzo(a,h)anthracene	16.11	278	30454	2.54	ng	# 79
91) Benzo(g,h,i)perylene	16.45	276	100831	8.59	ng	97

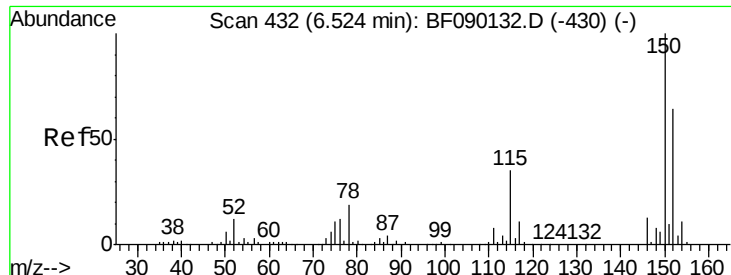
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

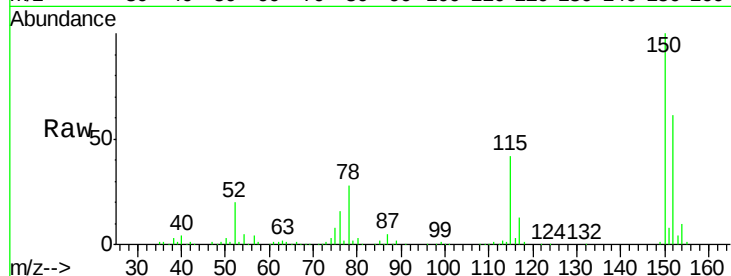
Tgt Ion:152 Resp: 136347

Ion Ratio Lower Upper

152 100

150 163.9 128.9 193.3

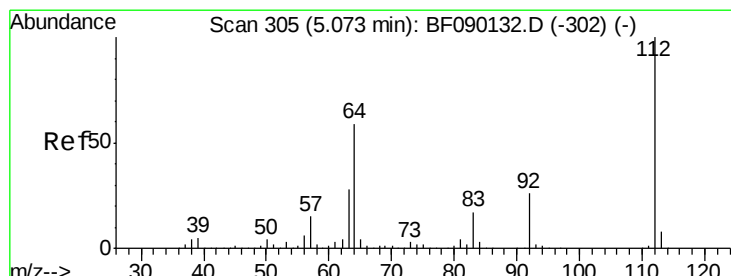
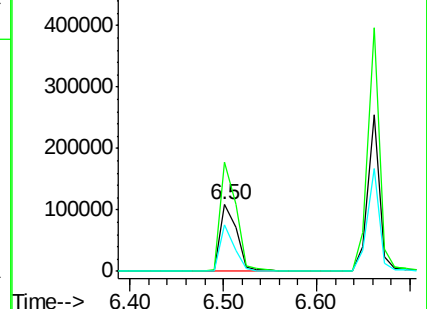
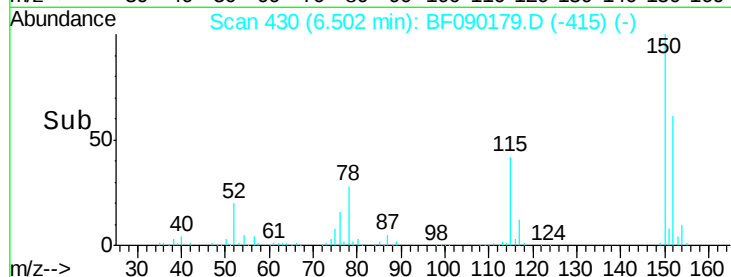
115 68.9 55.5 83.3



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: 53.38 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

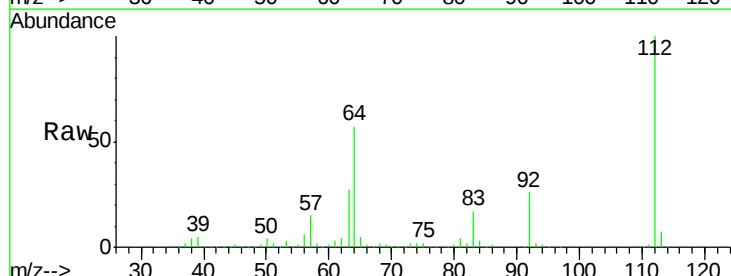
Tgt Ion:112 Resp: 446494

Ion Ratio Lower Upper

112 100

64 57.1 39.8 59.6

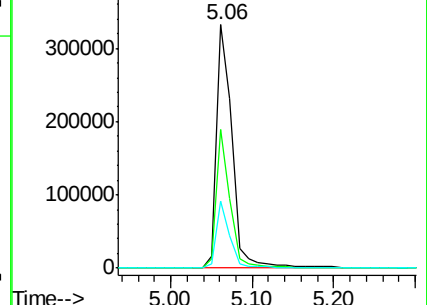
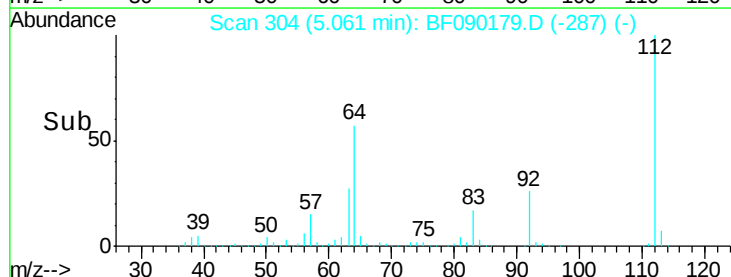
63 27.3 18.9 28.3

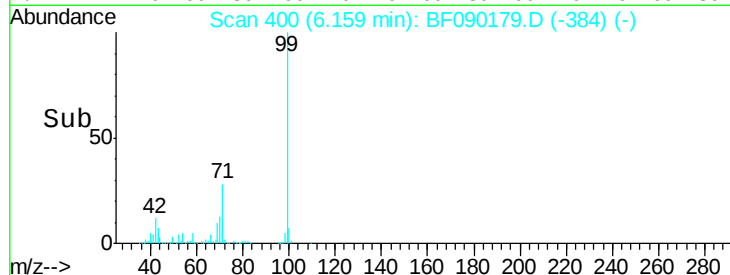
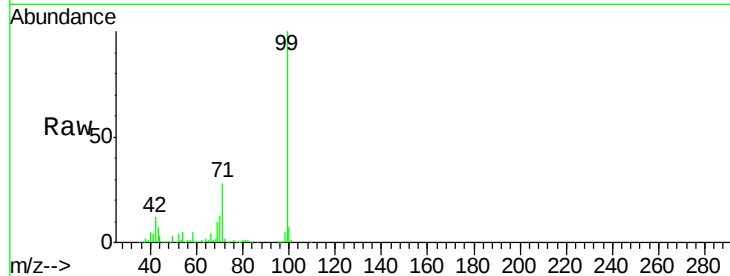


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 59.89 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090179.D

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Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

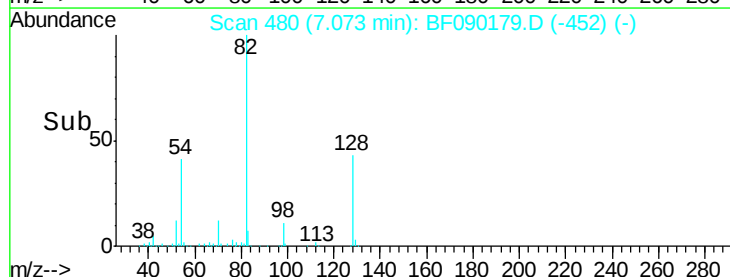
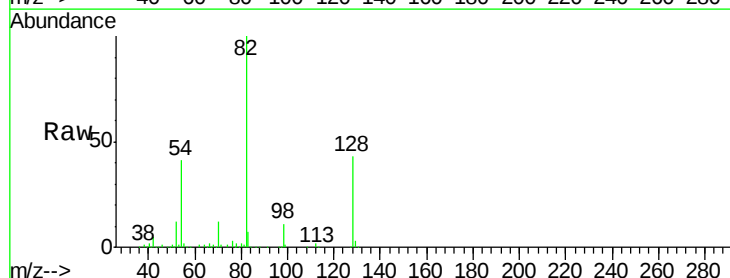
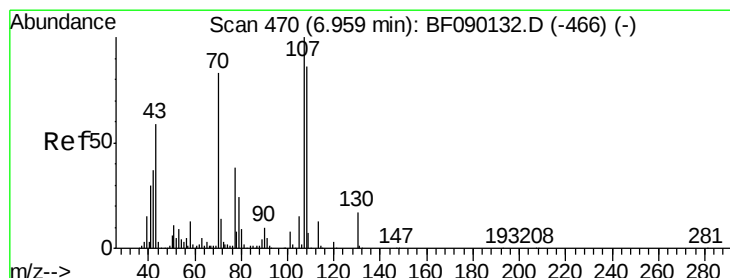
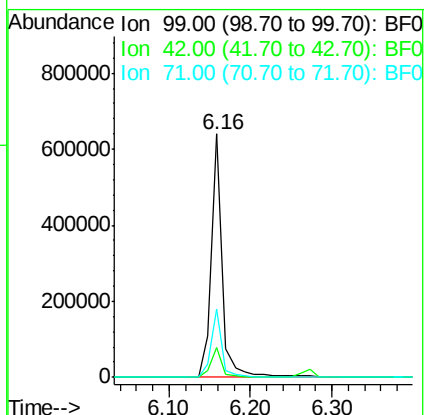
Tgt Ion: 99 Resp: 618721

Ion Ratio Lower Upper

99 100

42 12.3 10.6 15.8

71 28.1 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 6.43 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Tgt Ion: 70 Resp: 39048

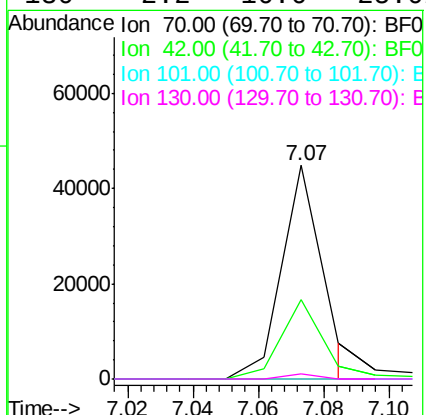
Ion Ratio Lower Upper

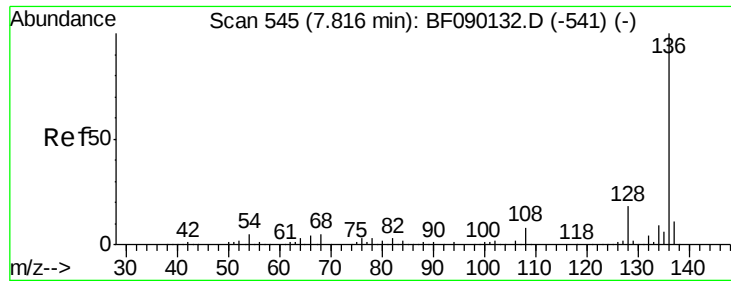
70 100

42 37.5 35.1 52.7

101 0.0 7.5 11.3#

130 2.2 16.6 25.0#

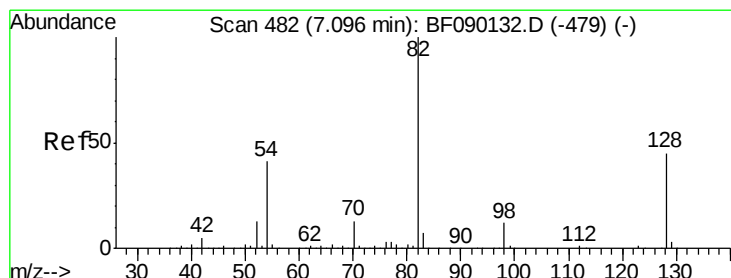
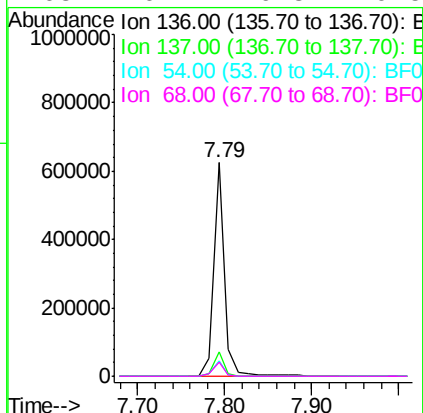
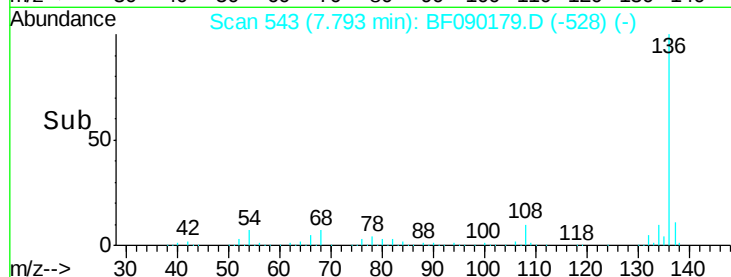
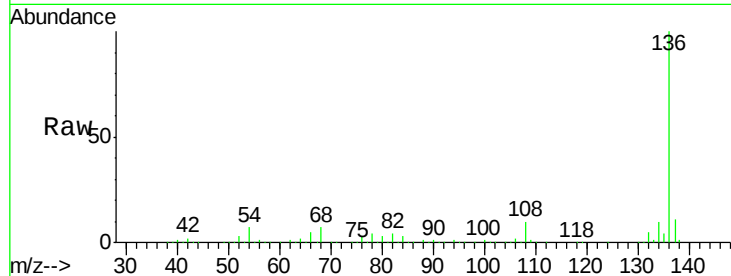




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

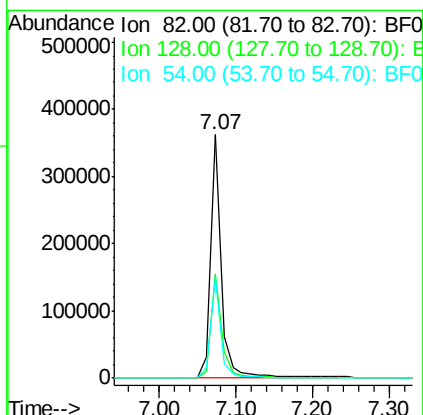
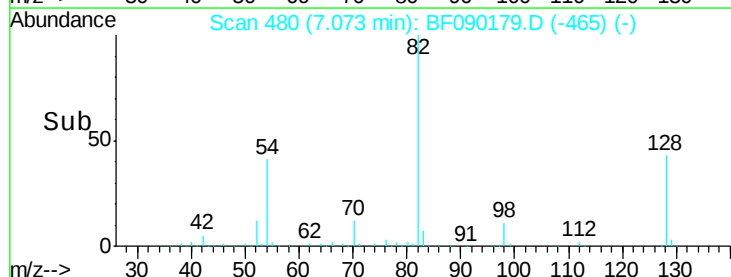
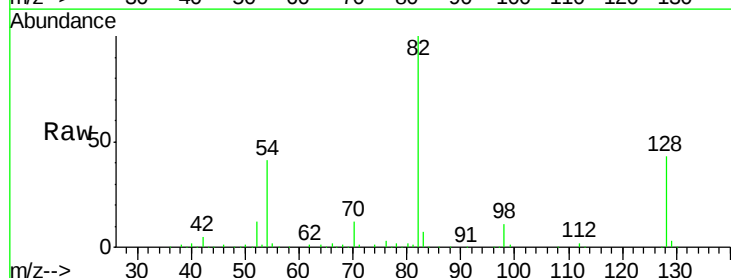
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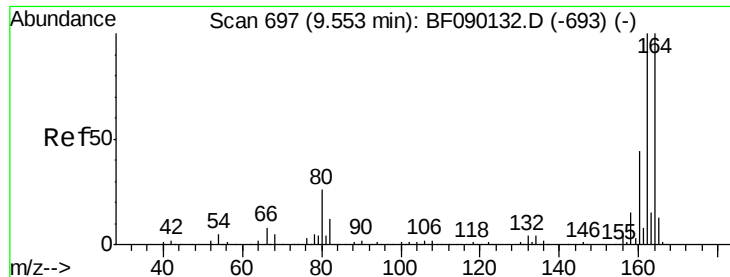
Tgt Ion:	136	Resp:	545400
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	6.4	9.6
68	6.7	6.3	9.5



#23
Nitrobenzene-d5
Concen: 37.34 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

Tgt Ion:	82	Resp:	351336
Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.5	56.3
54	41.4	31.9	47.9

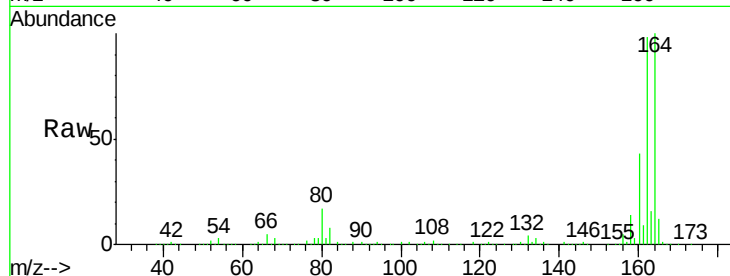




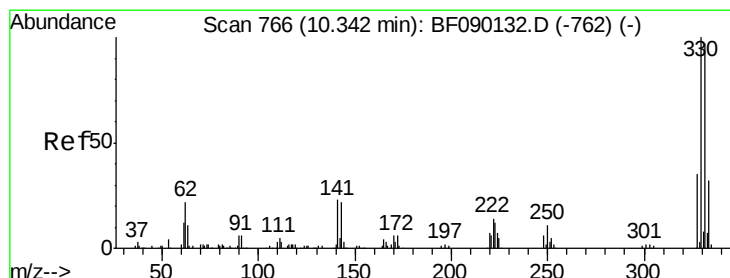
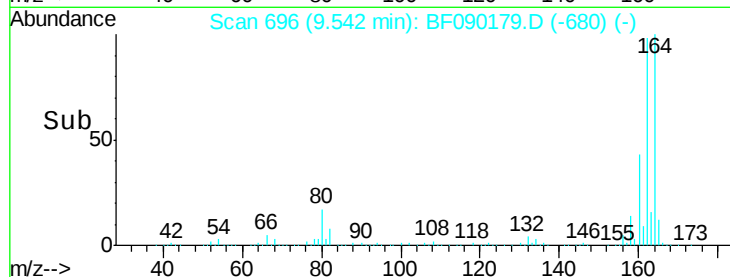
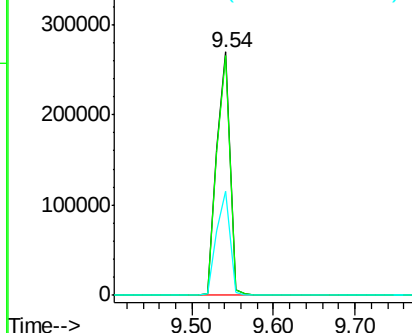
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

Instrument :
BNA_F
ClientSampleId :
BH-6-0.5-1.5FT

Tgt Ion:164 Resp: 307028
Ion Ratio Lower Upper
164 100
162 98.5 81.4 122.2
160 42.9 36.6 54.8

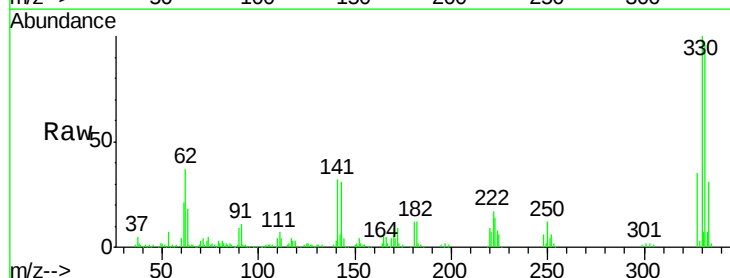


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

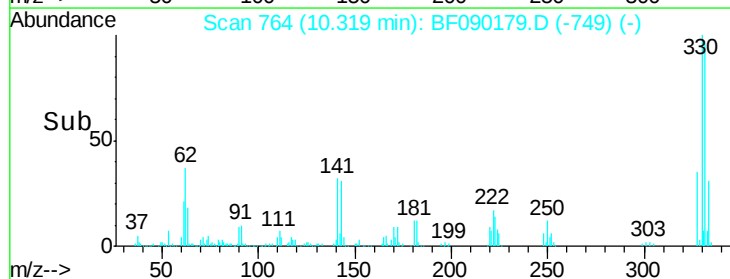
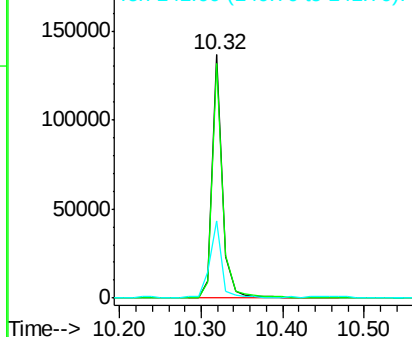


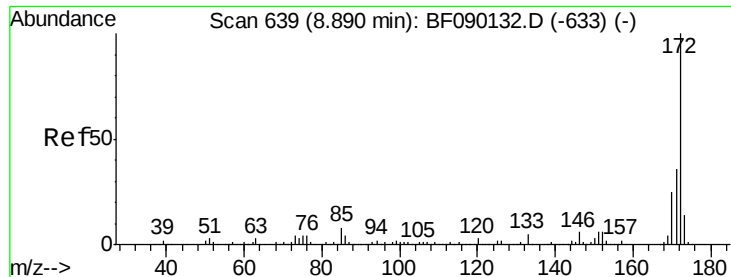
#41
2,4,6-Tribromophenol
Concen: 47.07 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

Tgt Ion:330 Resp: 123987
Ion Ratio Lower Upper
330 100
332 97.5 78.1 117.1
141 35.2 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

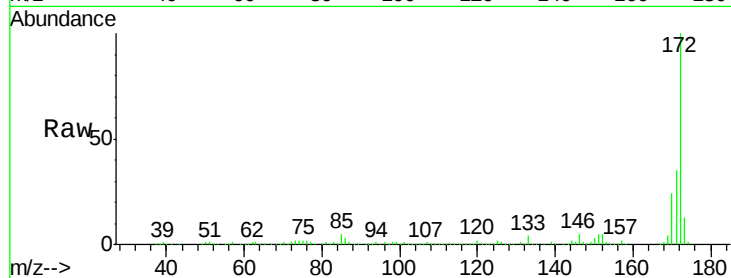




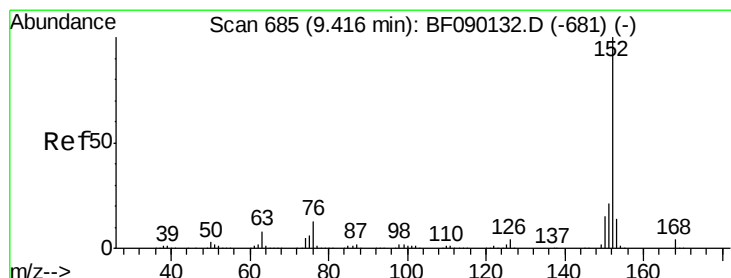
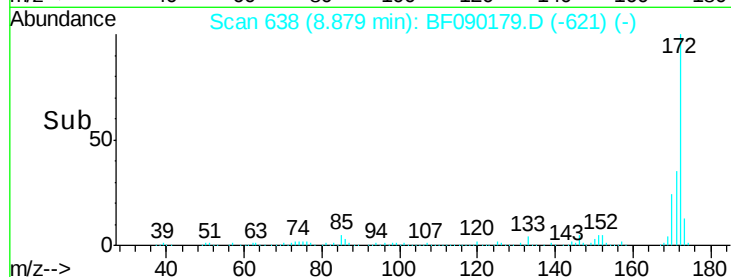
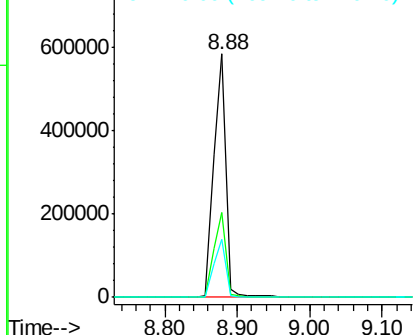
#44
 2-Fluorobiphenyl
 Concen: 43.41 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090179.D
 Acq: 22 Sep 2016 00:35

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Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.2	43.8
170	23.7	19.8	29.8

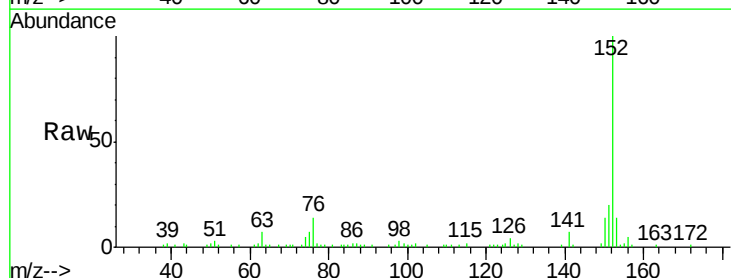


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

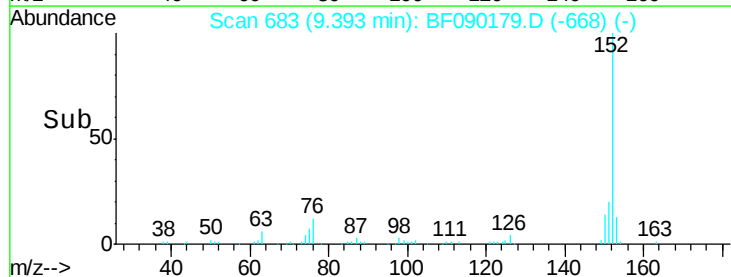
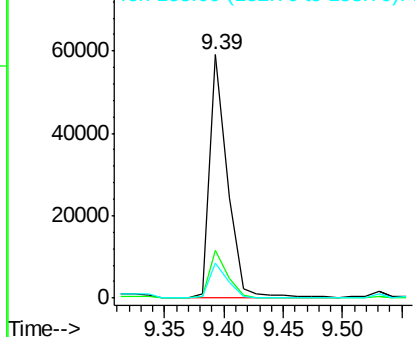


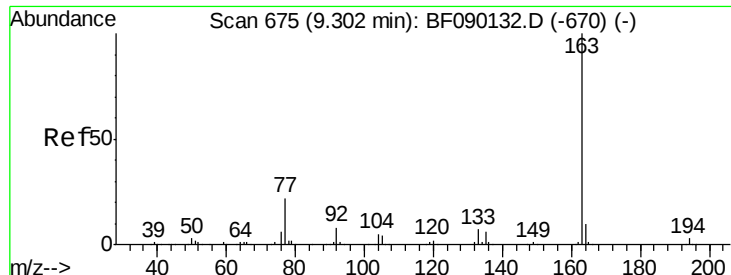
#48
 Acenaphthylene
 Concen: 2.36 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: BF090179.D
 Acq: 22 Sep 2016 00:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.5	24.7
153	14.5	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: 12.44 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF090179.D

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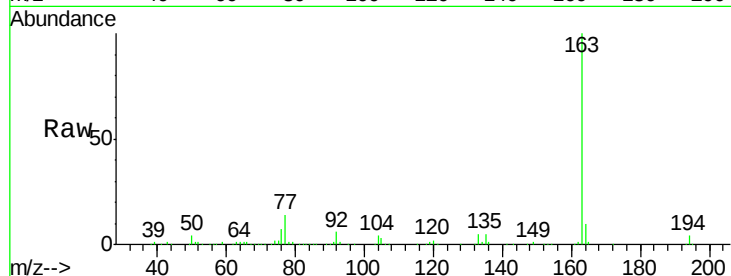
Tgt Ion:163 Resp: 243291

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

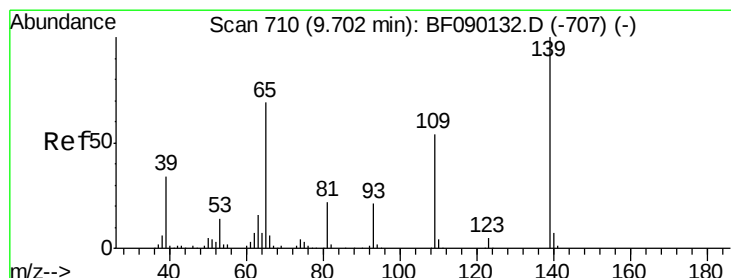
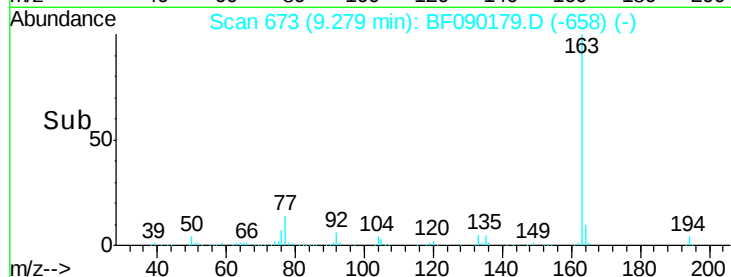
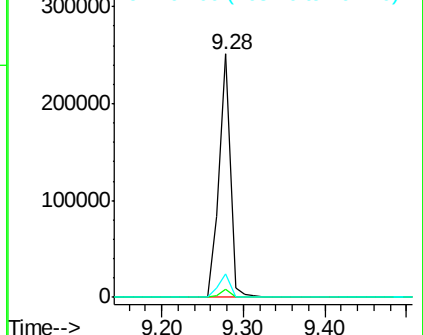
164 9.5 8.1 12.1



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



#55

4-Nitrophenol

Concen: 3.25 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.04 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

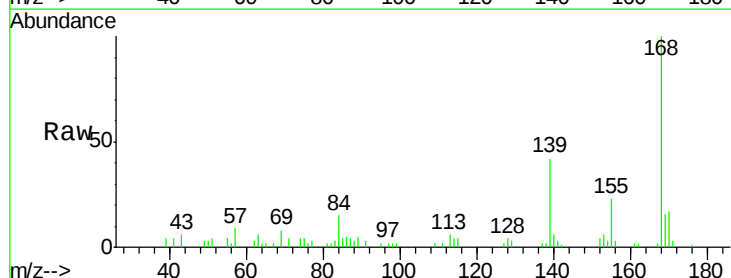
Tgt Ion:139 Resp: 11374

Ion Ratio Lower Upper

139 100

109 4.0 35.6 75.6#

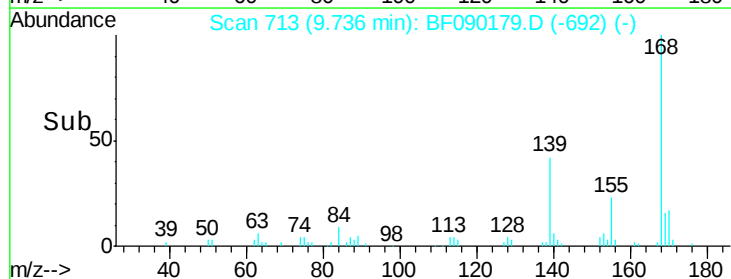
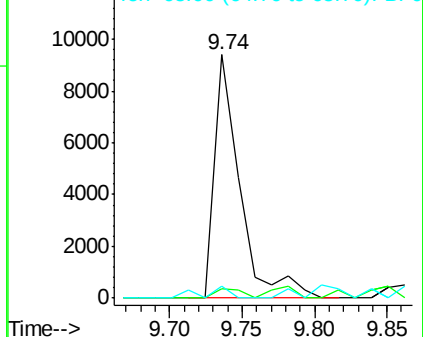
65 5.1 55.5 95.5#

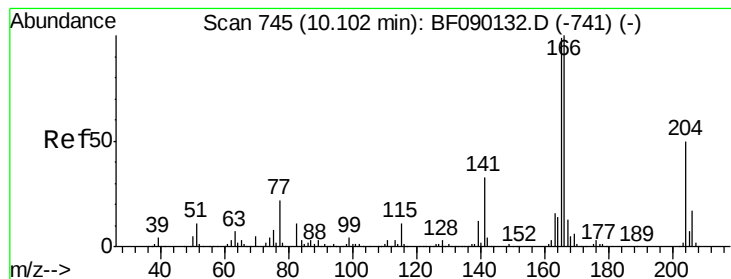


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 2.20 ng

RT: 10.08 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

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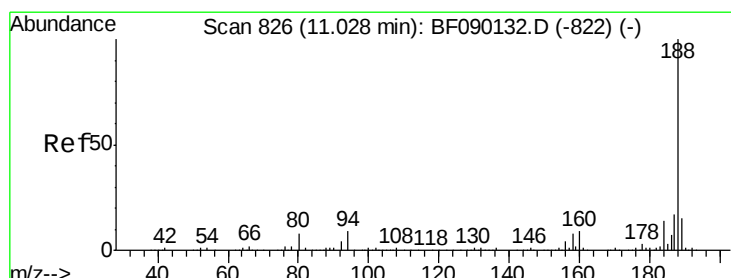
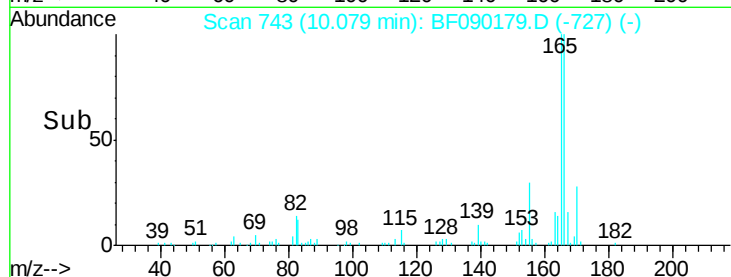
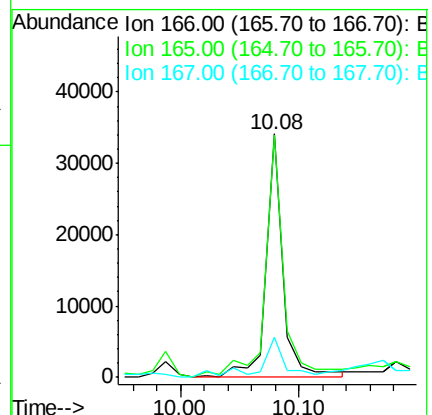
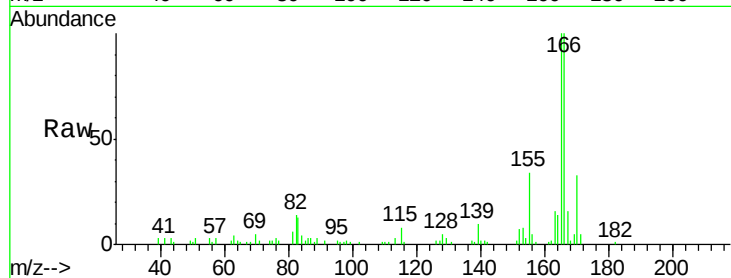
Tgt Ion:166 Resp: 34136

Ion Ratio Lower Upper

166 100

165 99.6 78.5 117.7

167 16.4 11.2 16.8



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.00 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

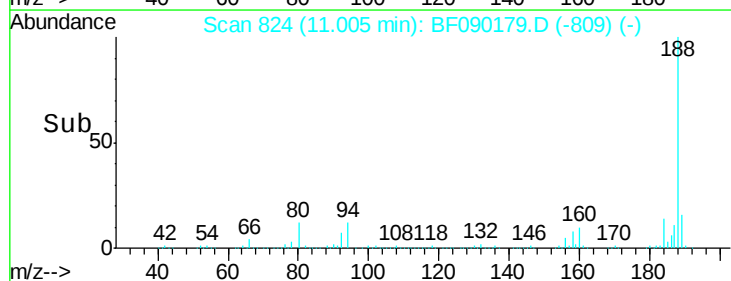
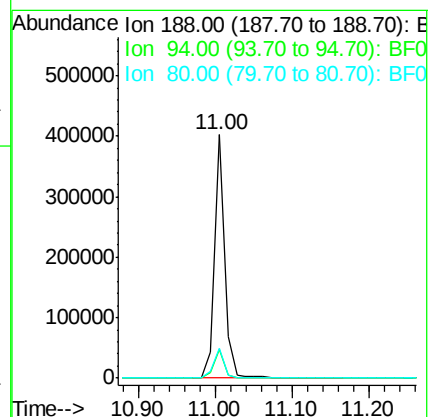
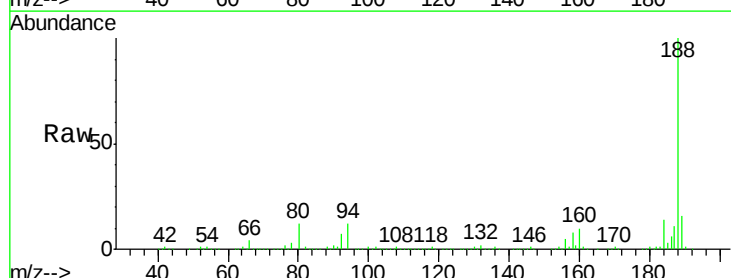
Tgt Ion:188 Resp: 367996

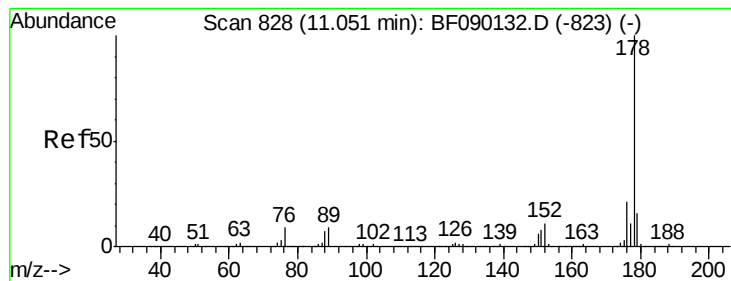
Ion Ratio Lower Upper

188 100

94 11.5 10.5 15.7

80 12.1 11.2 16.8





#70

Phenanthrene

Concen: 21.97 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

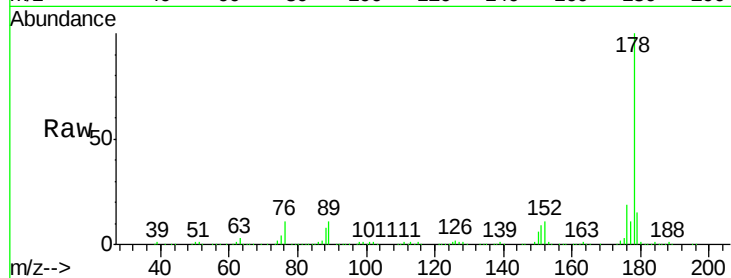
Tgt Ion:178 Resp: 378061

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

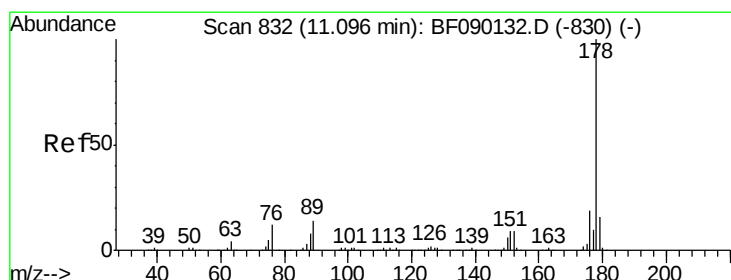
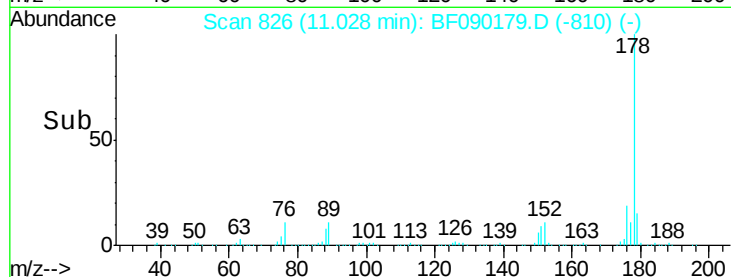
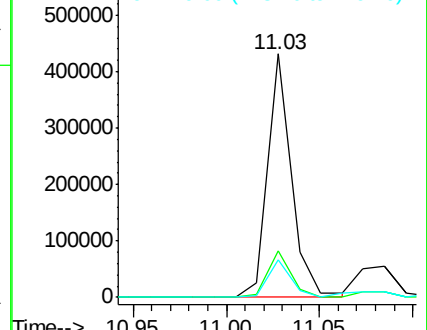
179 15.4 12.9 19.3



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: 4.88 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

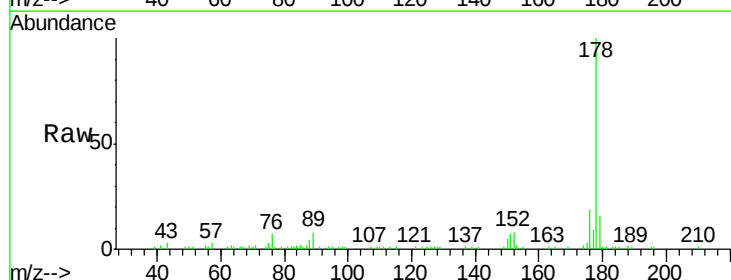
Tgt Ion:178 Resp: 88093

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

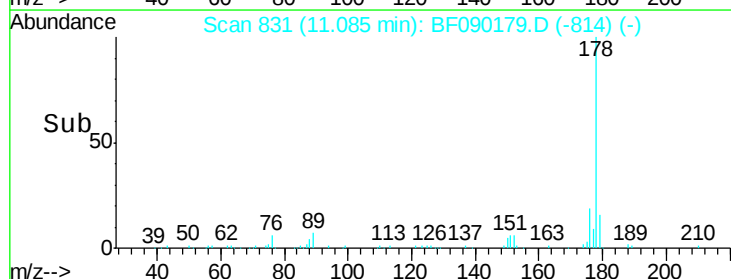
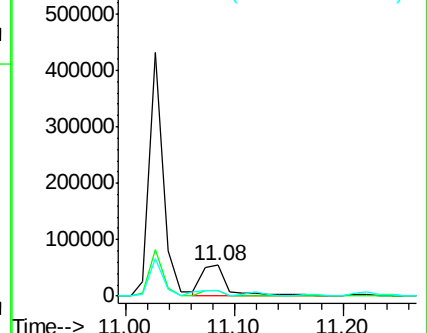
179 15.9 12.6 19.0

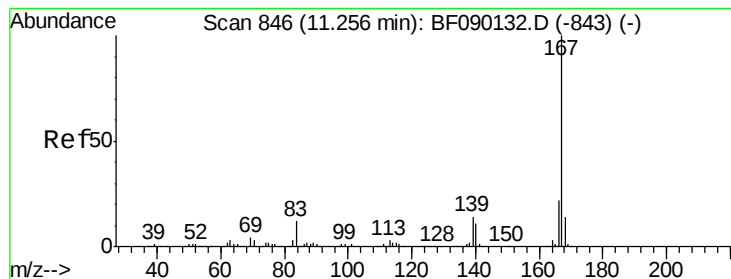


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.36 ng

RT: 11.24 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

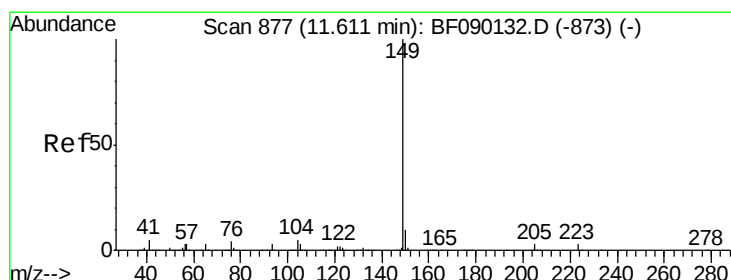
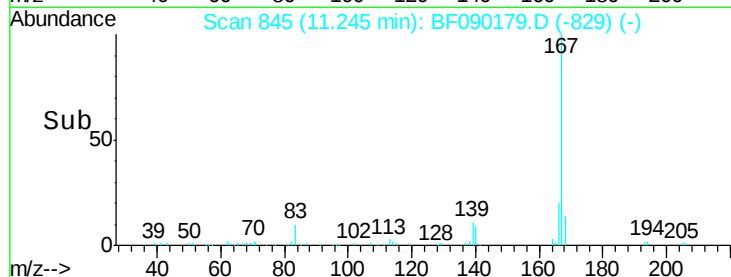
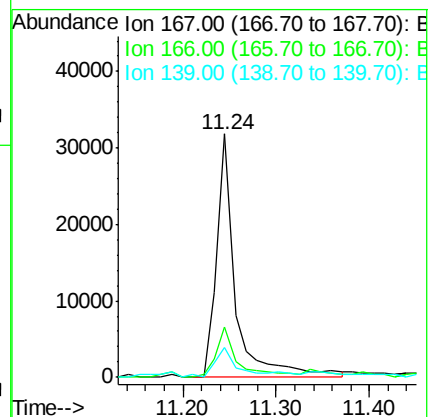
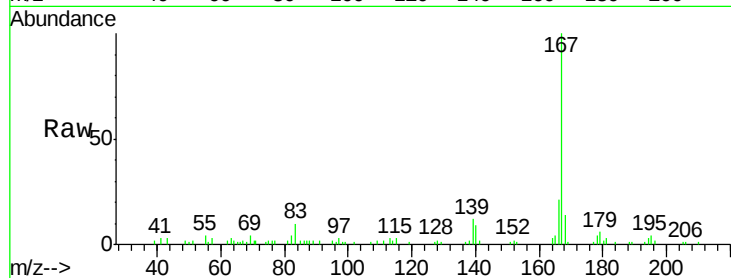
Tgt Ion:167 Resp: 45075

Ion Ratio Lower Upper

167 100

166 20.9 18.0 27.0

139 12.1 10.4 15.6



#73

Di-n-butylphthalate

Concen: 6.80 ng

RT: 11.59 min Scan# 875

Delta R.T. -0.02 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

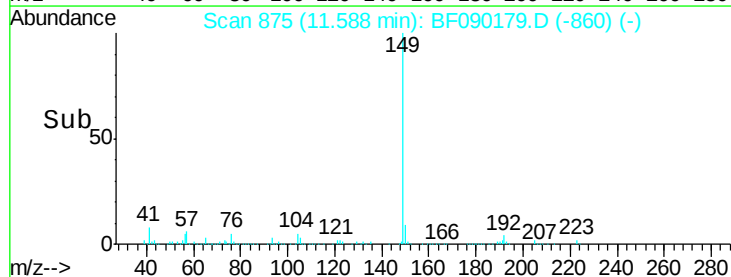
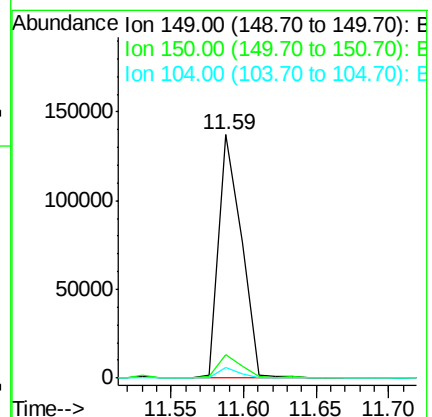
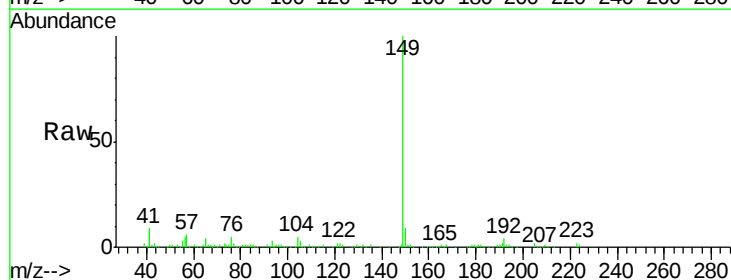
Tgt Ion:149 Resp: 150818

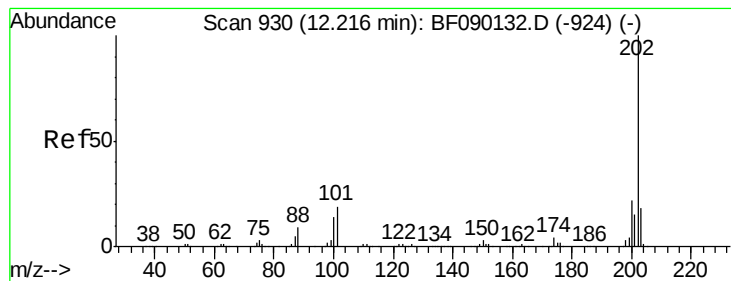
Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.8

104 4.6 3.9 5.9





#74

Fluoranthene

Concen: 27.91 ng

RT: 12.20 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

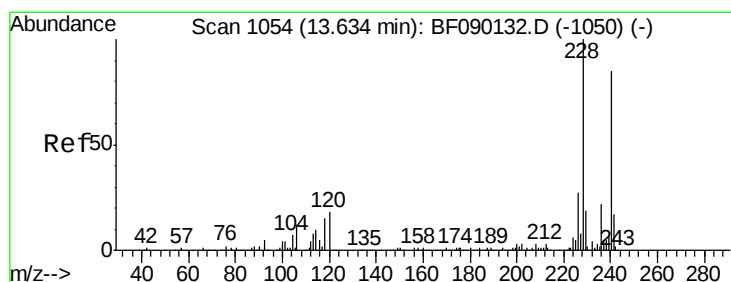
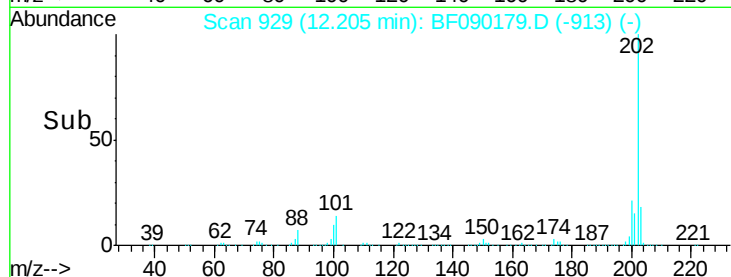
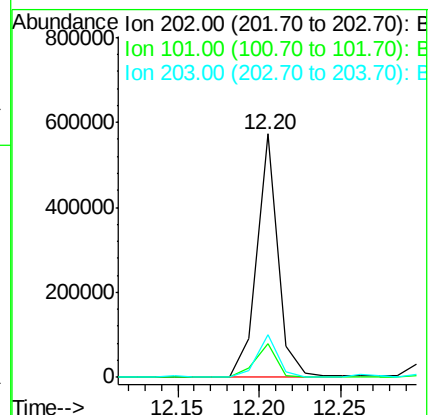
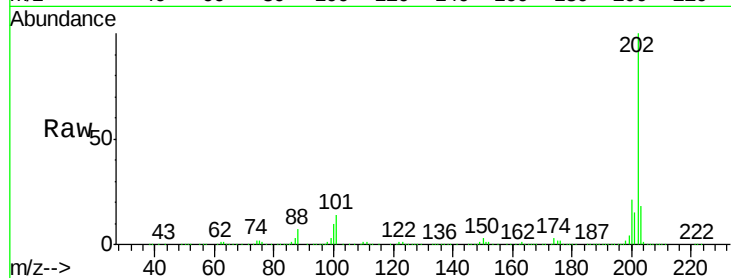
Tgt Ion:202 Resp: 515648

Ion Ratio Lower Upper

202 100

101 13.7 0.0 36.1

203 17.7 0.0 38.2



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

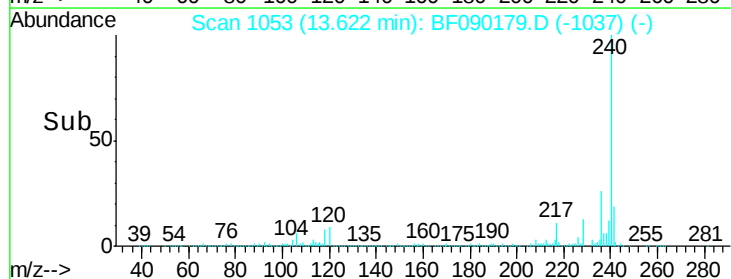
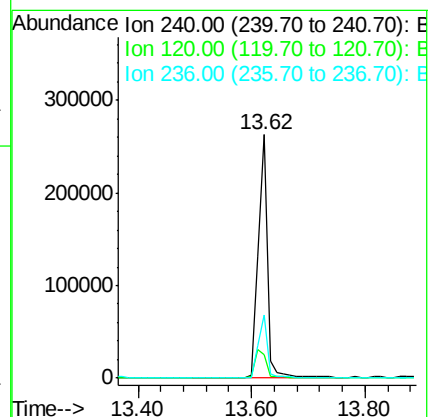
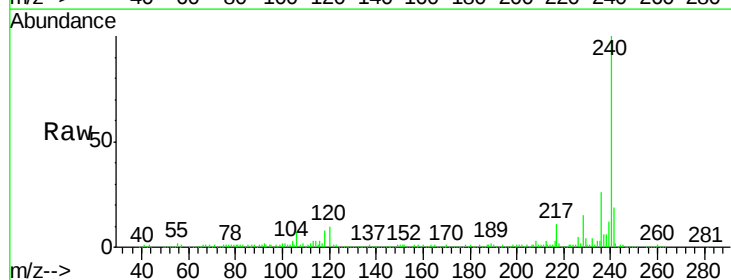
Tgt Ion:240 Resp: 304506

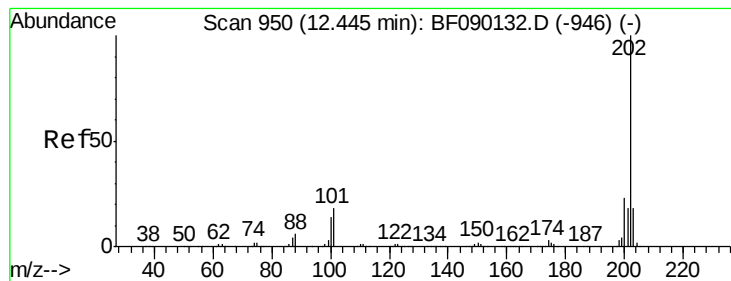
Ion Ratio Lower Upper

240 100

120 9.6 10.6 16.0#

236 26.0 21.6 32.4





#77

Pyrene

Concen: 21.18 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

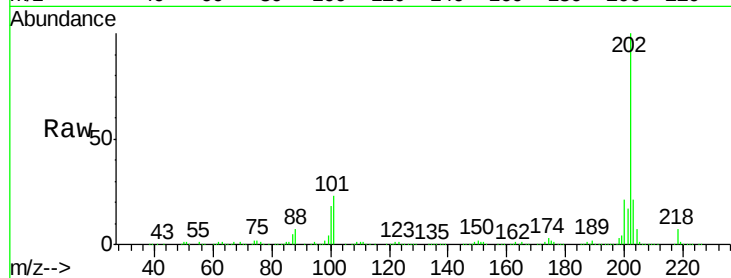
Tgt Ion:202 Resp: 441410

Ion Ratio Lower Upper

202 100

200 21.0 17.9 26.9

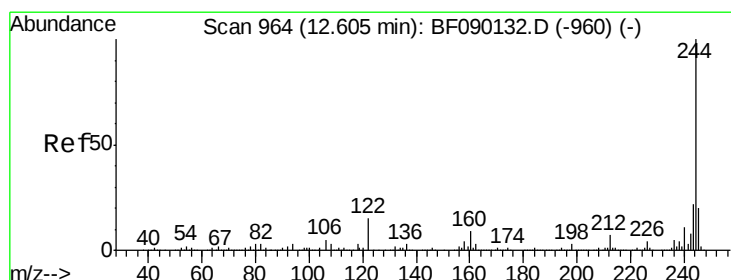
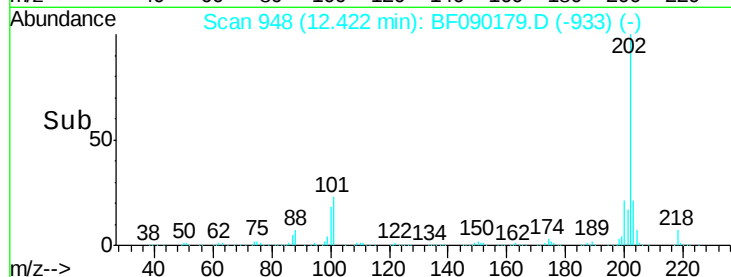
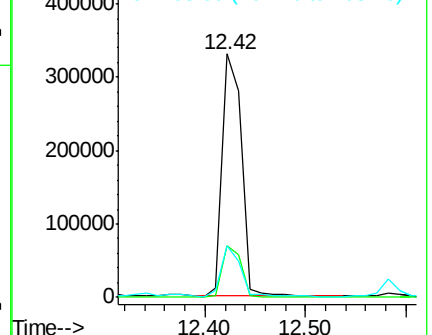
203 21.4 14.2 21.4#



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: 29.53 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.02 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

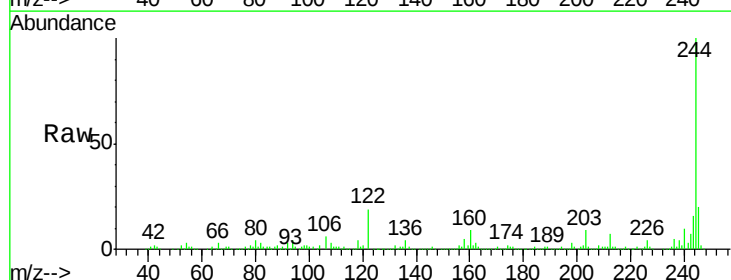
Tgt Ion:244 Resp: 354121

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

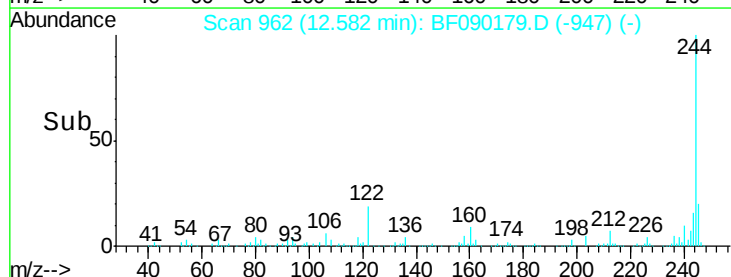
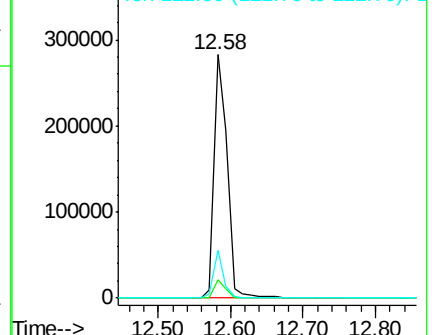
122 19.4 9.4 14.0#

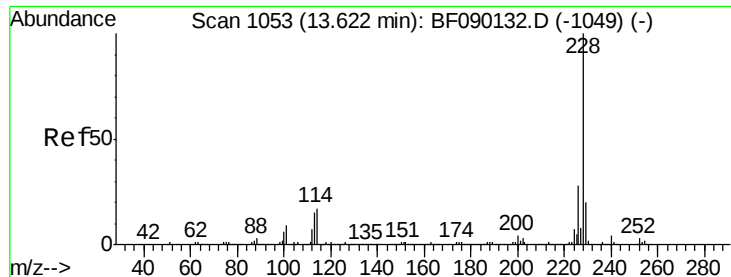


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.53 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

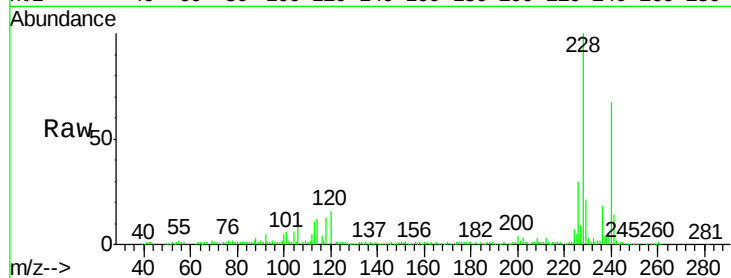
Tgt Ion:228 Resp: 221589

Ion Ratio Lower Upper

228 100

226 30.4 22.0 33.0

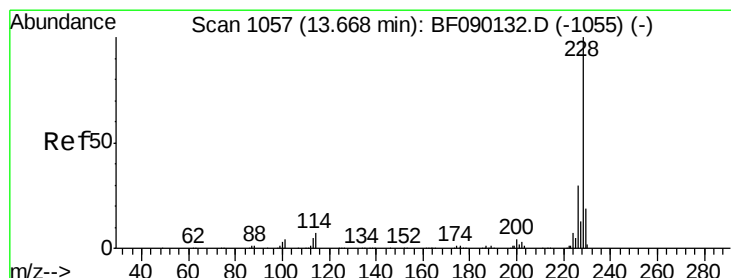
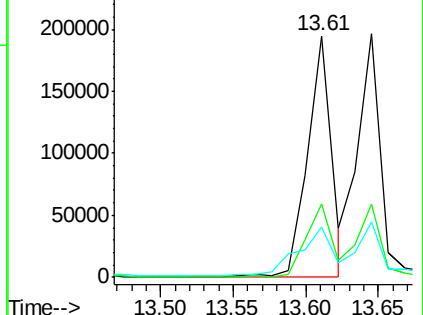
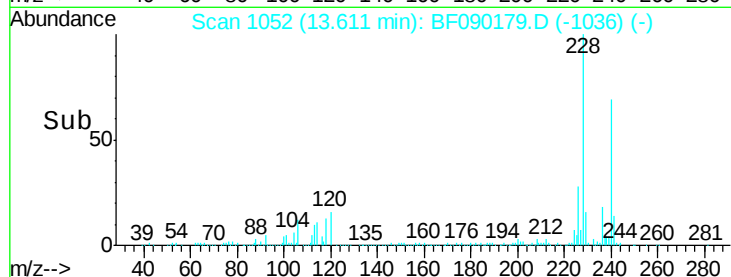
229 20.7 16.2 24.2



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: 13.89 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

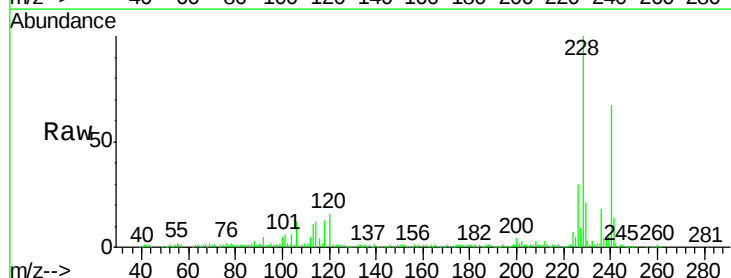
Tgt Ion:228 Resp: 221589

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

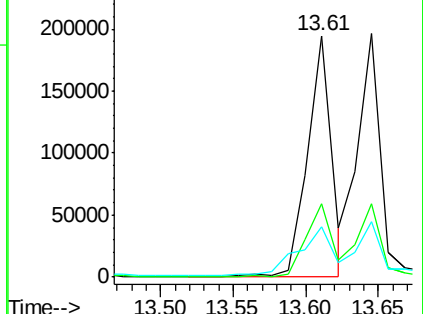
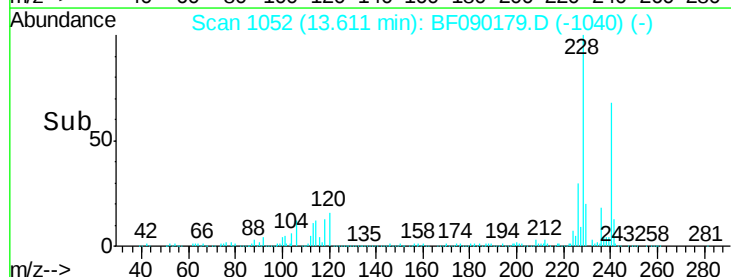
229 20.7 16.2 24.4

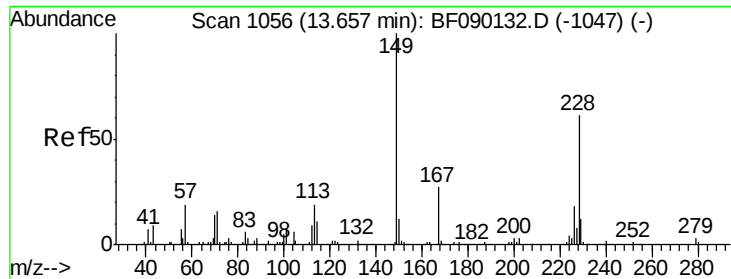


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

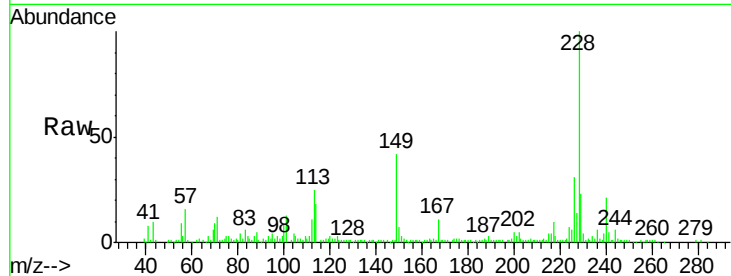




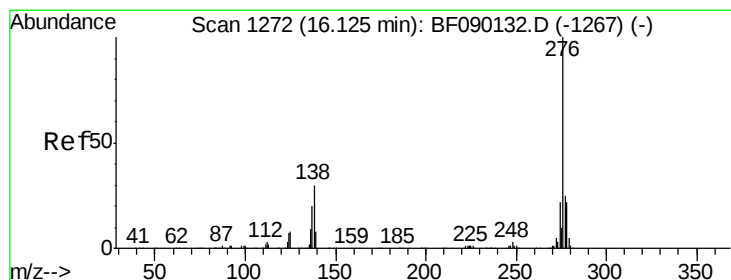
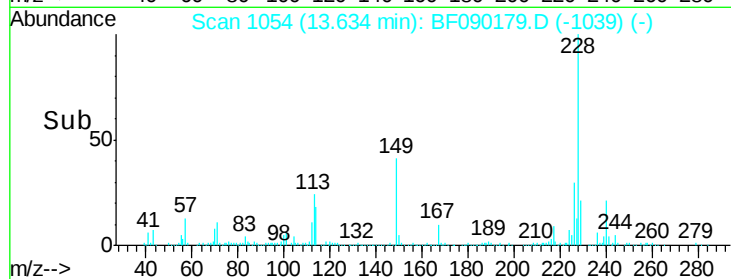
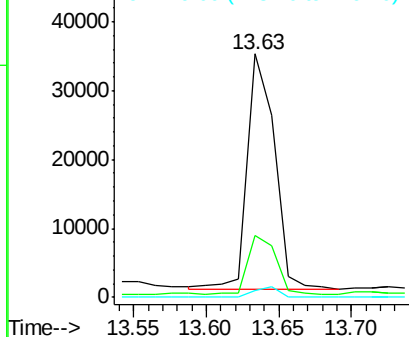
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.40 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF090179.D
 Acq: 22 Sep 2016 00:35

Instrument :
 BNA_F
 ClientSampleId :
 BH-6-0.5-1.5FT

Tgt Ion:149 Resp: 44392
 Ion Ratio Lower Upper
 149 100
 167 25.3 21.2 31.8
 279 2.5 2.2 3.2

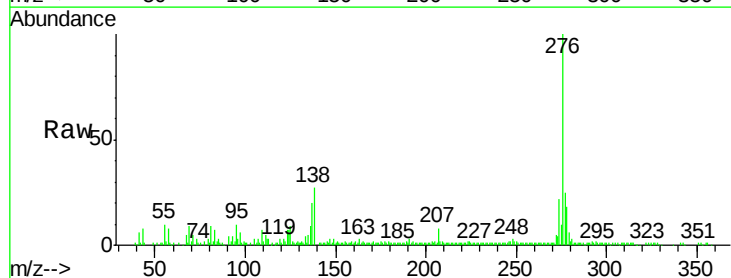


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

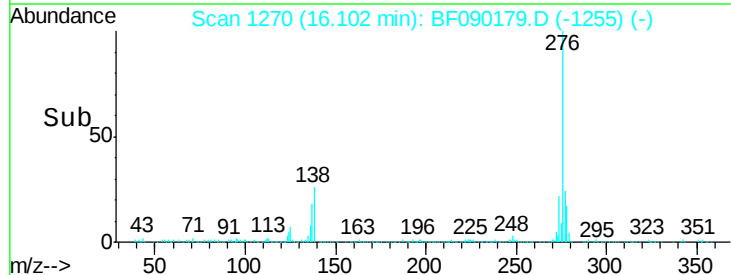
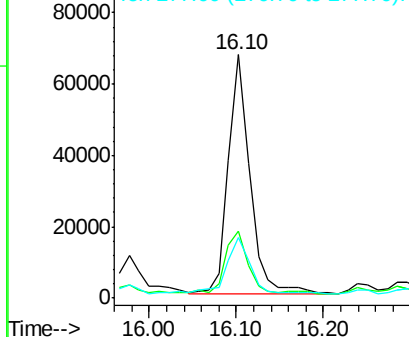


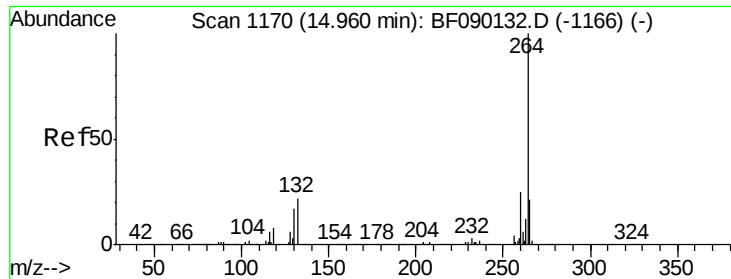
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.00 ng
 RT: 16.10 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF090179.D
 Acq: 22 Sep 2016 00:35

Tgt Ion:276 Resp: 116176
 Ion Ratio Lower Upper
 276 100
 138 26.9 25.9 38.9
 277 26.5 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

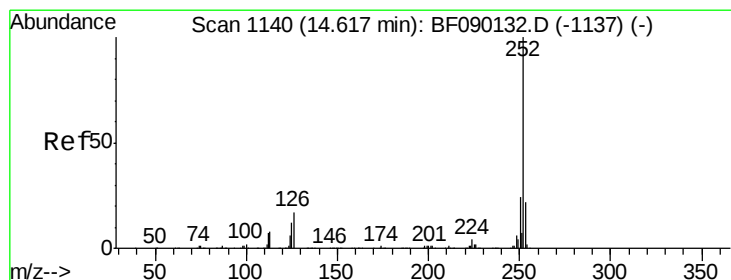
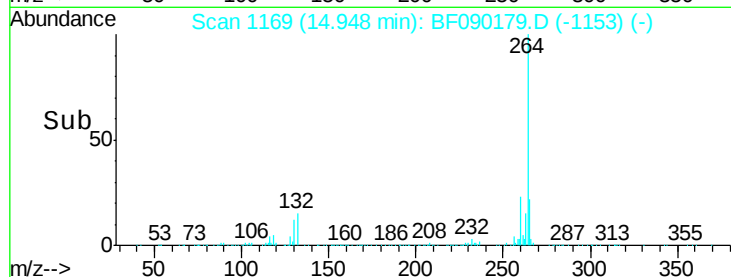
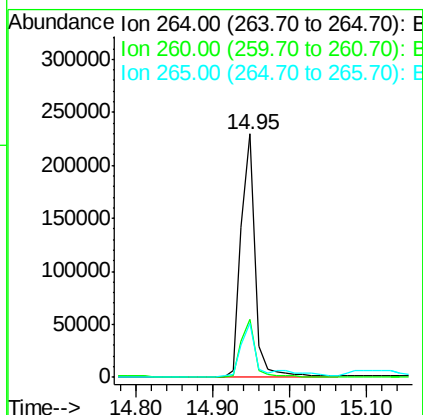
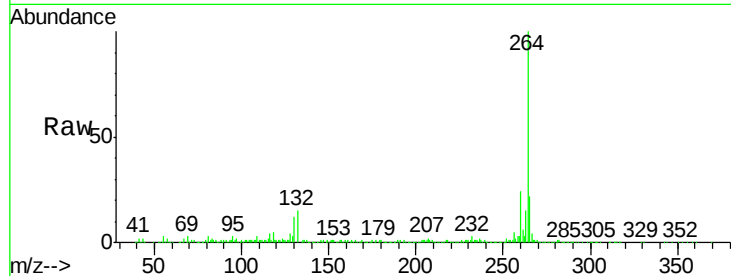




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

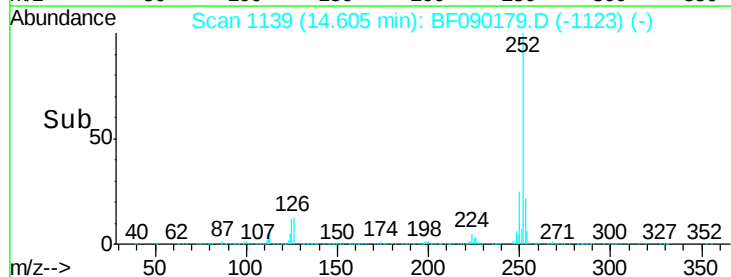
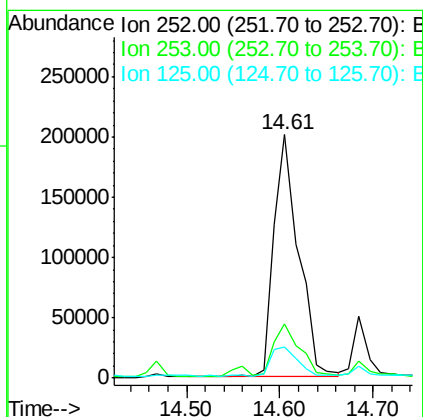
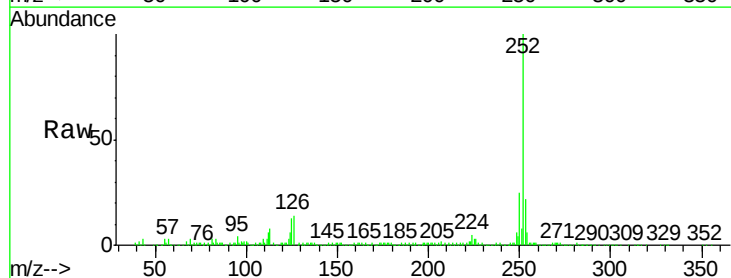
Instrument :
BNA_F
ClientSampleId :
BH-6-0.5-1.5FT

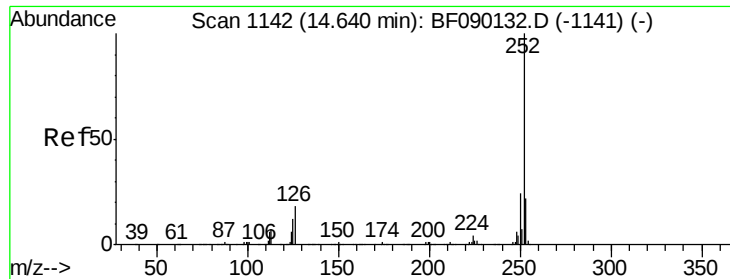
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.1	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 22.79 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.0	12.7	19.1

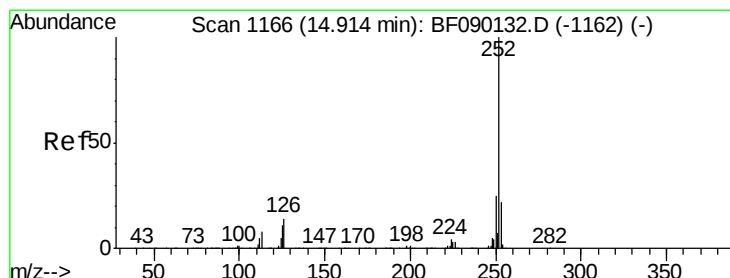
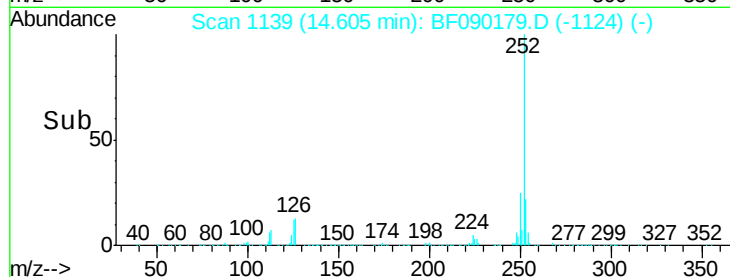
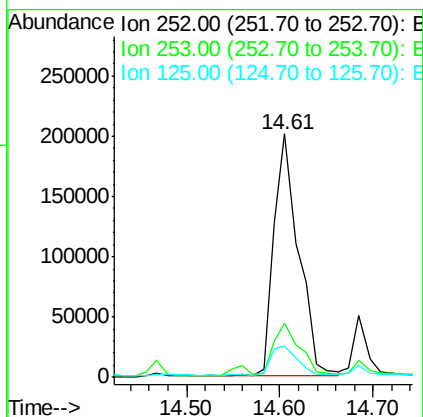
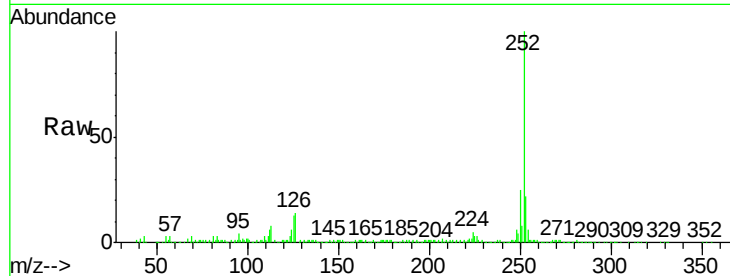




#88
Benzo(k)fluoranthene
Concen: 24.28 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.03 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

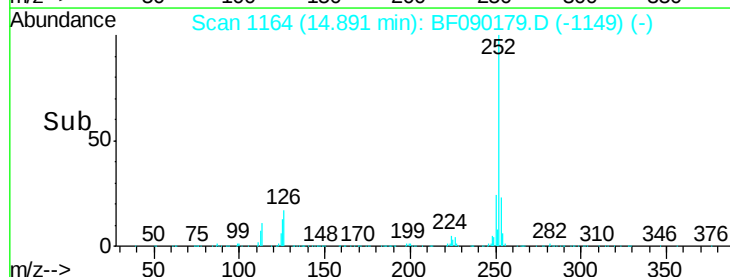
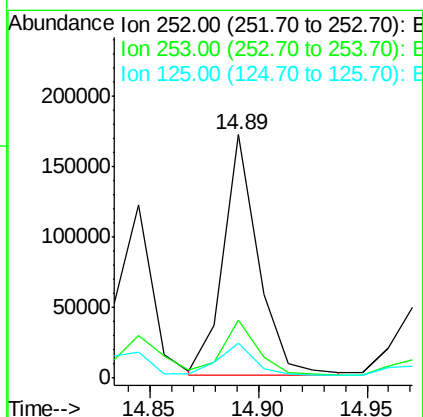
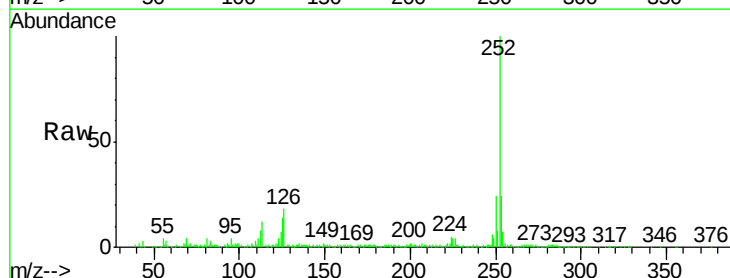
Instrument :
BNA_F
ClientSampleId :
BH-6-0.5-1.5FT

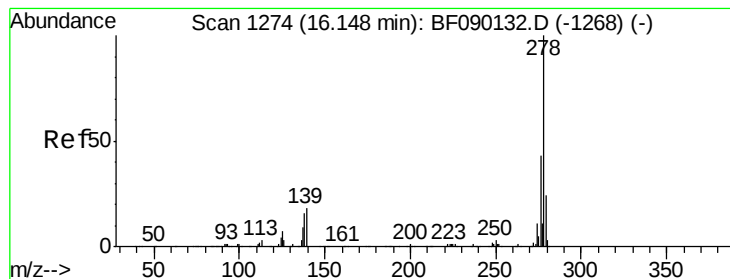
Tgt Ion:252 Resp: 372426
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 13.0 7.8 11.6#



#89
Benzo(a)pyrene
Concen: 12.37 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090179.D
Acq: 22 Sep 2016 00:35

Tgt Ion:252 Resp: 190164
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 14.5 7.7 11.5#





#90

Dibenzo(a,h)anthracene

Concen: 2.54 ng

RT: 16.11 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

Instrument :

BNA_F

ClientSampleId :

BH-6-0.5-1.5FT

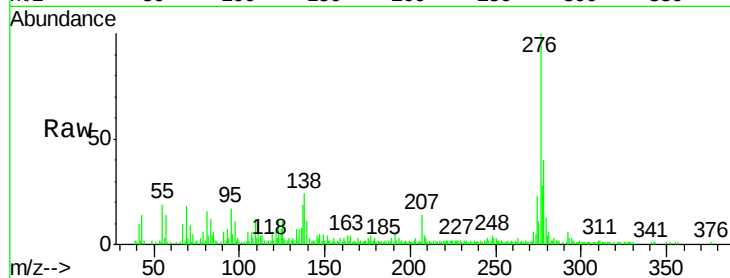
Tgt Ion:278 Resp: 30454

Ion Ratio Lower Upper

278 100

139 28.5 14.6 21.8#

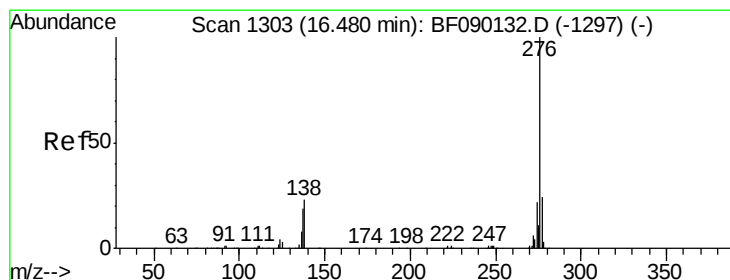
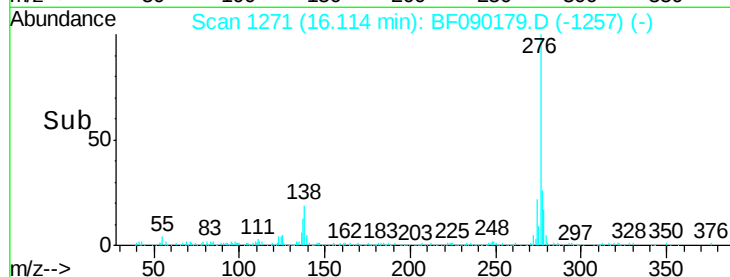
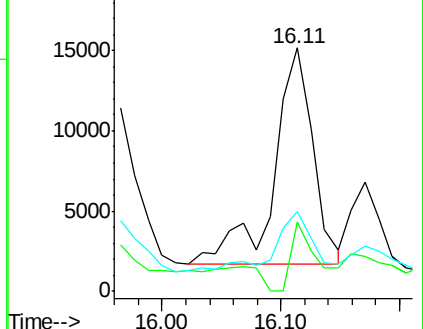
279 33.0 18.8 28.2#



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



#91

Benzo(g,h,i)perylene

Concen: 8.59 ng

RT: 16.45 min Scan# 1300

Delta R.T. -0.03 min

Lab File: BF090179.D

Acq: 22 Sep 2016 00:35

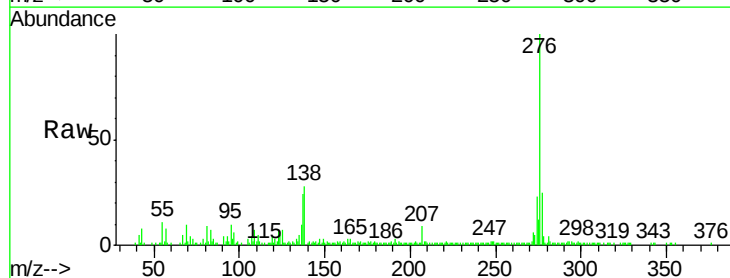
Tgt Ion:276 Resp: 100831

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 27.6 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

