

Data Path : Z:\HPCHEM1\BNA F\Data\BF092116\
 Data File : BF090157.D
 Acq On : 21 Sep 2016 13:07
 Operator : UM/SJ
 Sample : H4850-05DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 14:01:50 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

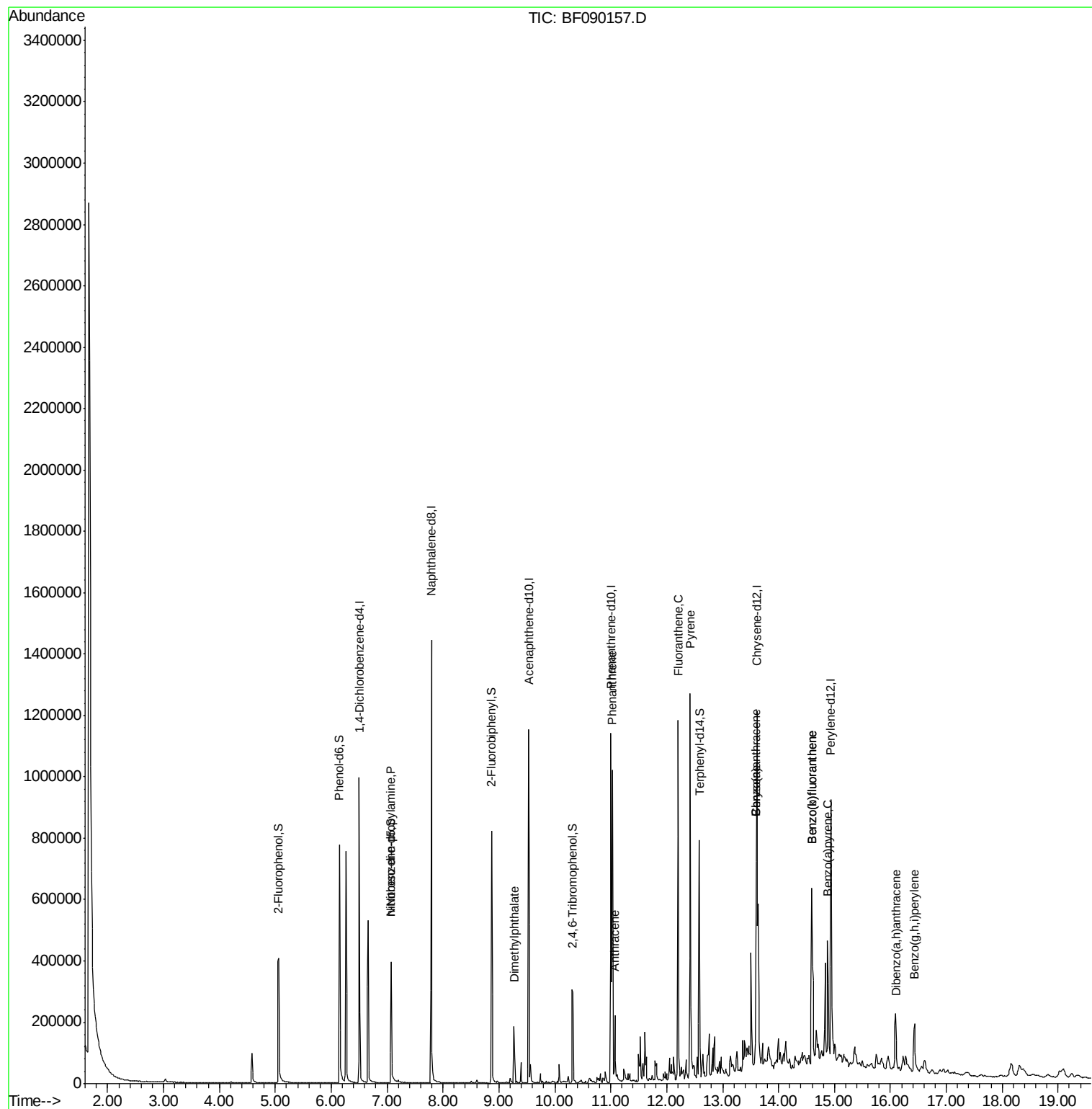
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	167267	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	679666	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	297247	20.00	ng	-0.02
63) Phenanthrene-d10	11.00	188	479997	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	340038	20.00	ng	-0.02
86) Perylene-d12	14.94	264	339369	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	227834	22.20	ng	-0.01
7) Phenol-d6	6.15	99	333209	26.29	ng	-0.02
23) Nitrobenzene-d5	7.07	82	173128	14.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	61245	24.02	ng	-0.02
44) 2-Fluorobiphenyl	8.87	172	300073	19.82	ng	-0.02
78) Terphenyl-d14	12.58	244	241695	18.05	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.07	70	16835	2.26	ng	# 80
49) Dimethylphthalate	9.27	163	95698	5.05	ng	98
70) Phenanthrene	11.03	178	385402	17.17	ng	98
71) Anthracene	11.07	178	106877	4.54	ng	99
74) Fluoranthene	12.20	202	633777	26.30	ng	92
77) Pyrene	12.42	202	486158	20.89	ng	99
80) Benzo(a)anthracene	13.60	228	261936	14.32	ng	97
82) Chrysene	13.60	228	261936	14.70	ng	98
87) Benzo(b)fluoranthene	14.59	252	364660	19.40	ng	98
88) Benzo(k)fluoranthene	14.59	252	364660	20.68	ng	# 96
89) Benzo(a)pyrene	14.88	252	195402	11.05	ng	# 90
90) Dibenzo(a,h)anthracene	16.10	278	36482	2.64	ng	94
91) Benzo(a,h,i)perylene	16.43	276	120645	8.94	ng	# 94

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

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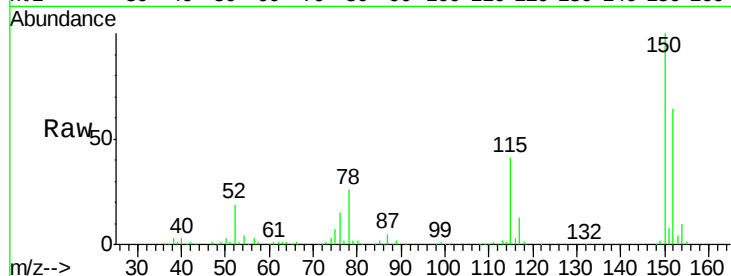


#1

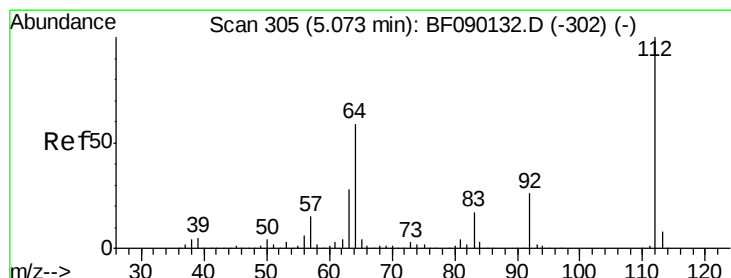
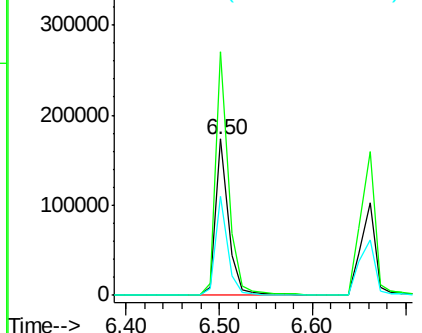
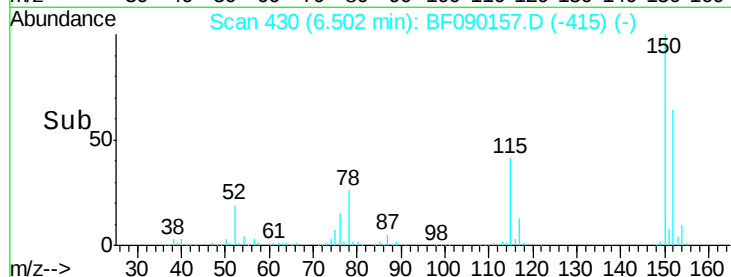
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167267
Ion Ratio Lower Upper
152 100
150 155.9 128.9 193.3
115 63.5 55.5 83.3



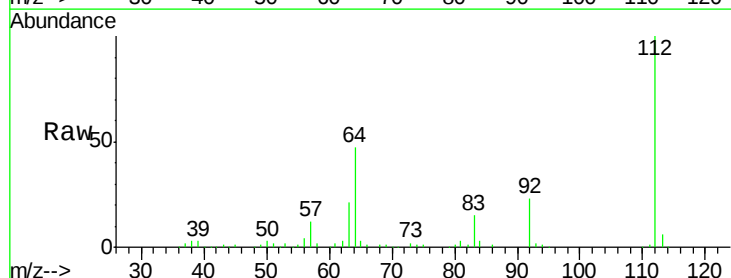
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



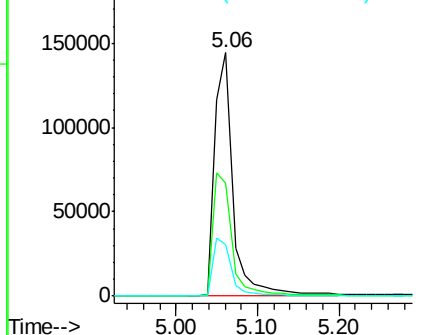
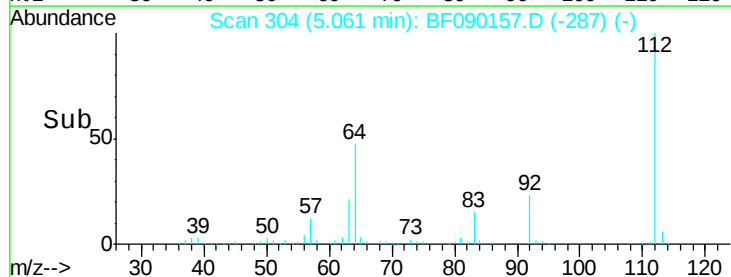
#5

2-Fluorophenol
Concen: 22.20 ng
RT: 5.06 min Scan# 304
Delta R.T. -0.01 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Tgt Ion:112 Resp: 227834
Ion Ratio Lower Upper
112 100
64 46.6 39.8 59.6
63 21.4 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: 26.29 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.02 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Instrument :

BNA_F

ClientSampleId :

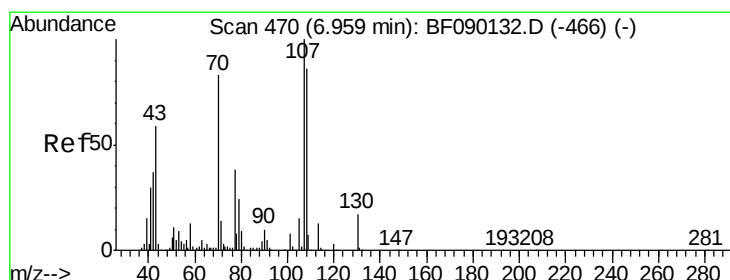
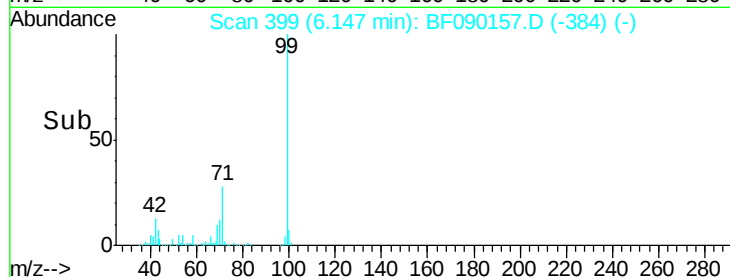
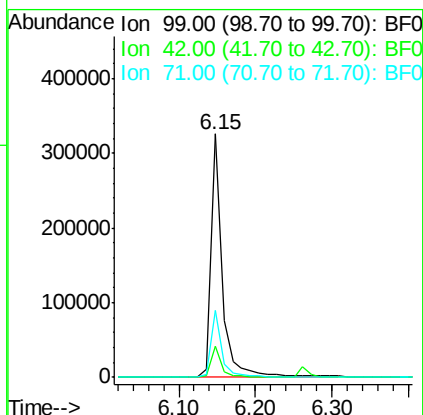
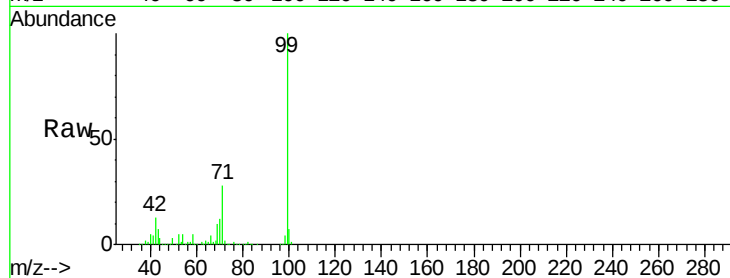
Tot Ion: 99 Resp: 333209

Ion Ratio Lower Upper

99 100

42 12.7 10.6 15.8

71 27.6 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.26 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Tgt Ion: 70 Resp: 16835

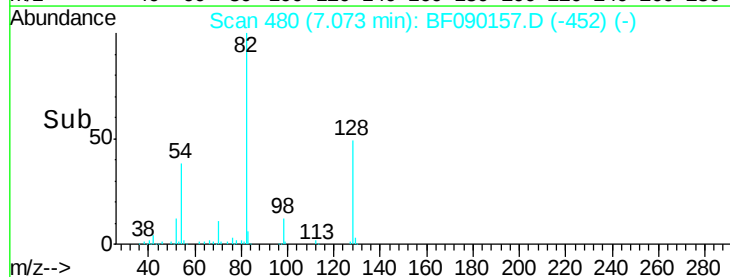
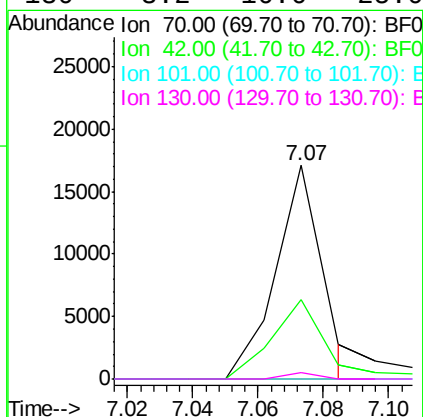
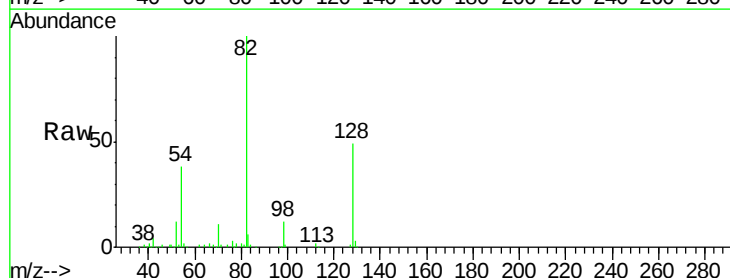
Ion Ratio Lower Upper

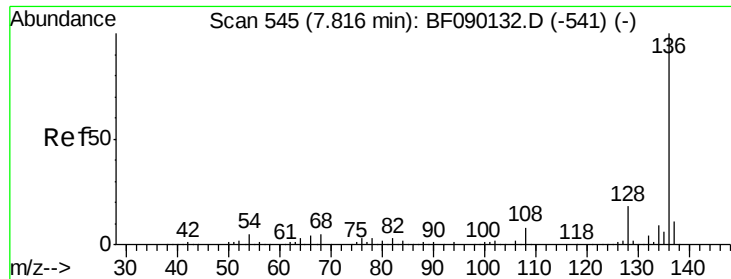
70 100

42 36.9 35.1 52.7

101 0.0 7.5 11.3#

130 3.2 16.6 25.0#

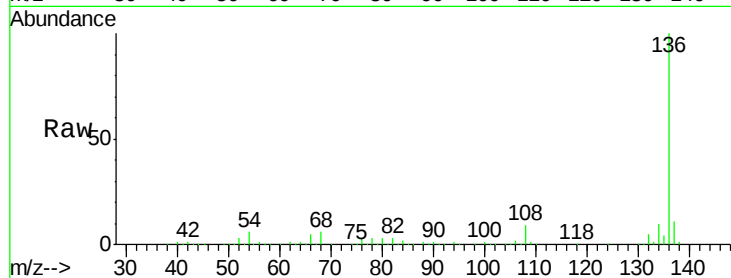




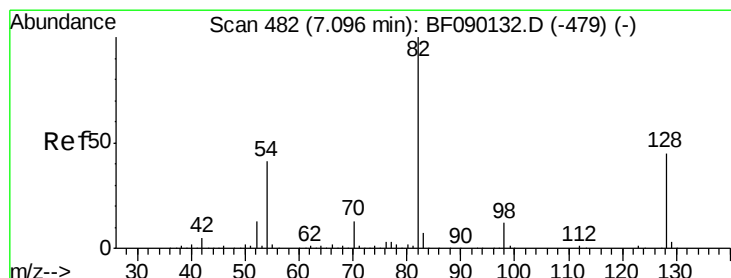
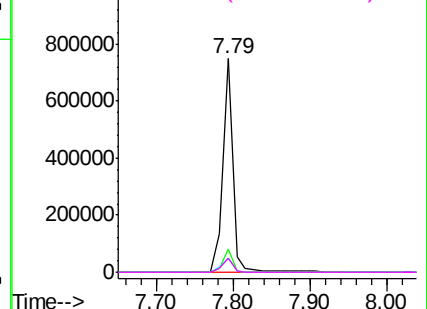
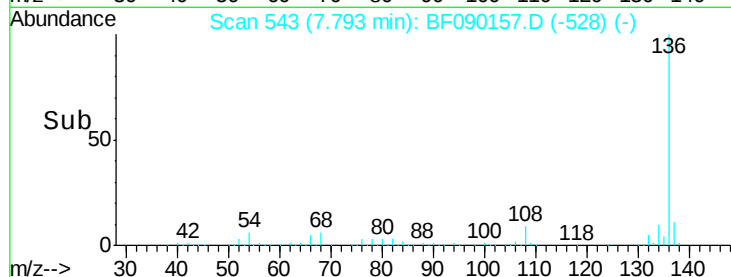
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	679666
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	6.5	6.4 9.6
68	6.4	6.3 9.5

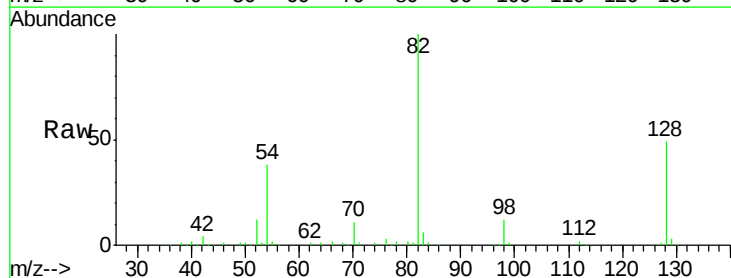


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

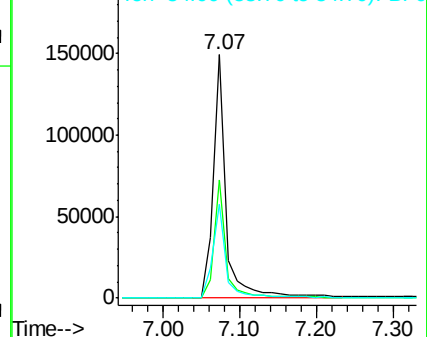
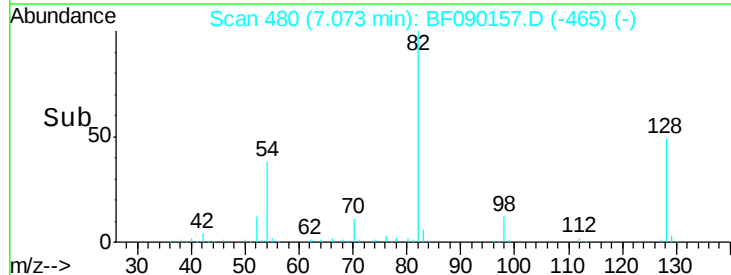


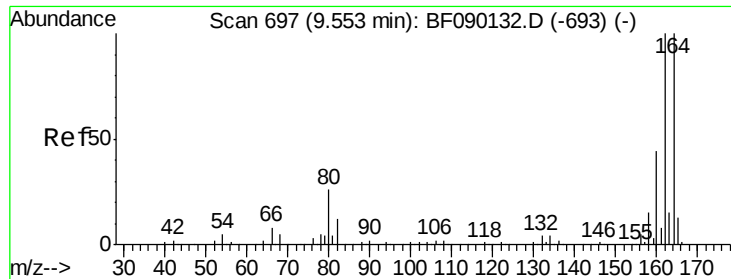
#23
Nitrobenzene-d5
Concen: 14.77 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Tgt Ion: 82	Resp:	173128
Ion Ratio	Lower	Upper
82	100	
128	48.7	37.5 56.3
54	38.4	31.9 47.9



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

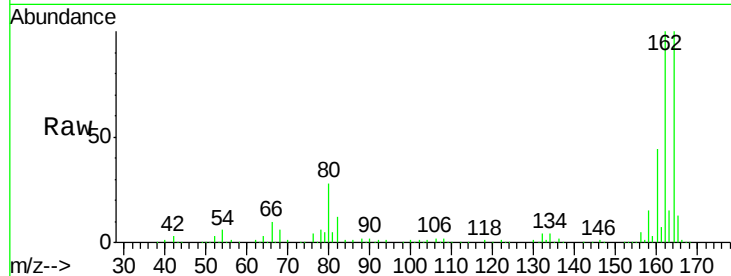




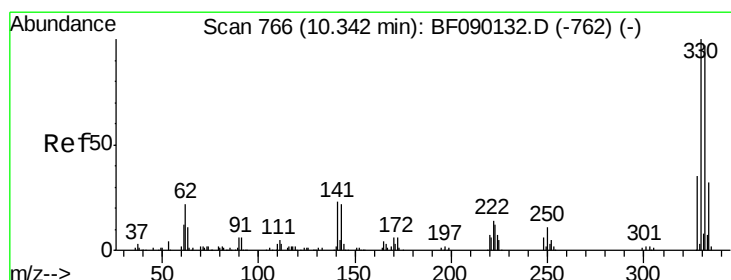
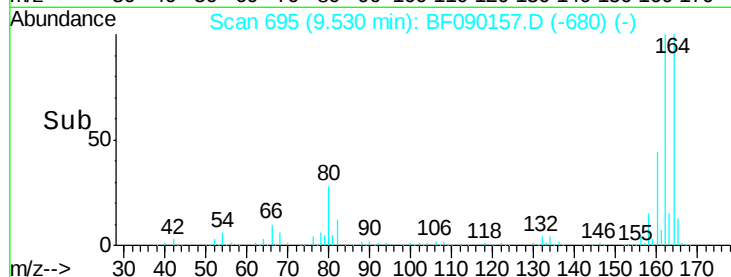
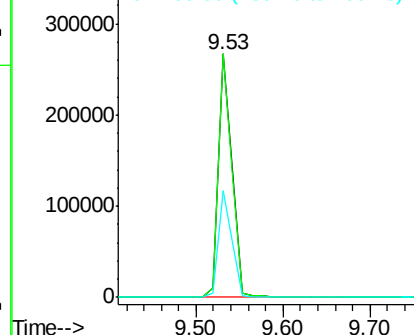
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 297247
 Ion Ratio Lower Upper
 164 100
 162 99.8 81.4 122.2
 160 43.7 36.6 54.8

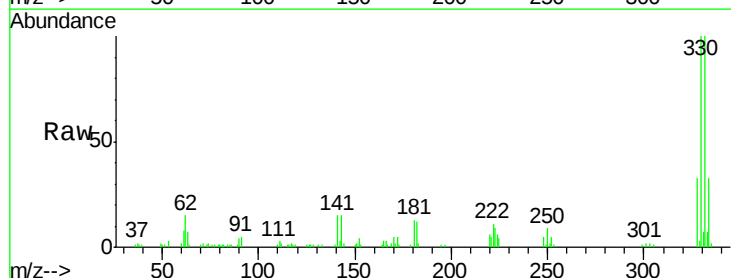


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

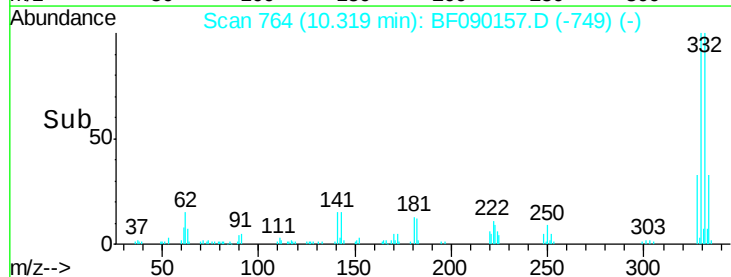
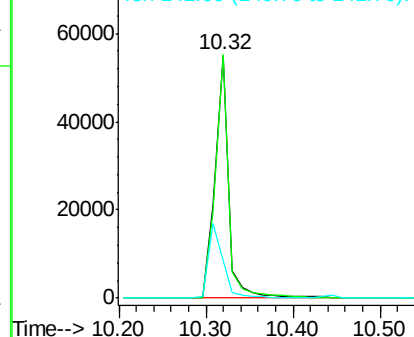


#41
 2,4,6-Tribromophenol
 Concen: 24.02 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Tgt Ion:330 Resp: 61245
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.1 117.1
 141 31.8 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

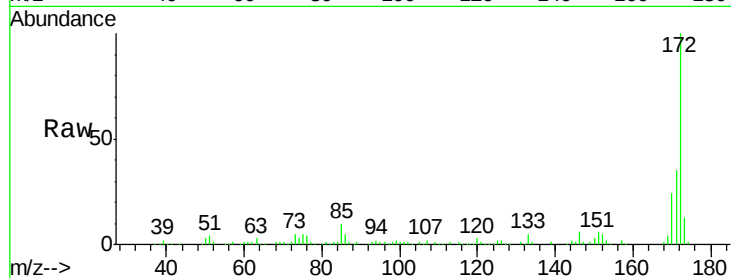




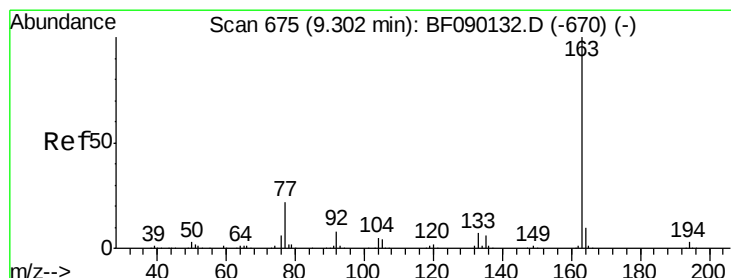
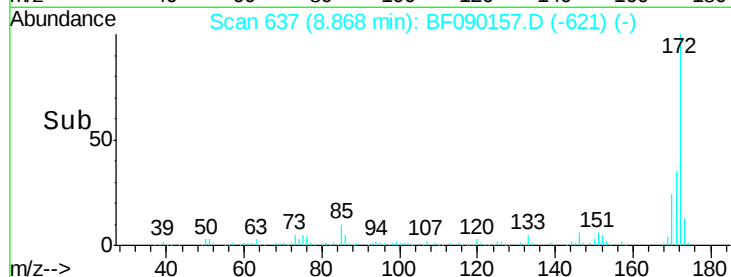
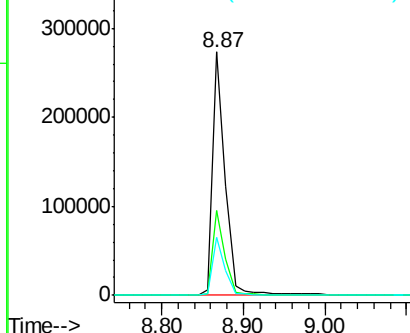
#44
2-Fluorobiphenyl
Concen: 19.82 ng
RT: 8.87 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 300073
Ion Ratio Lower Upper
172 100
171 34.8 29.2 43.8
170 23.6 19.8 29.8

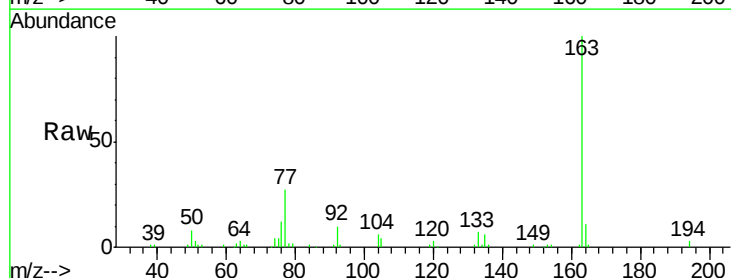


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

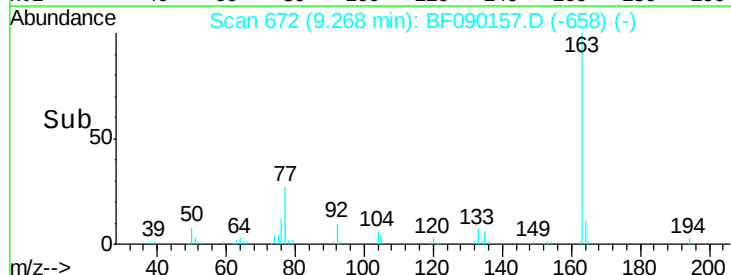
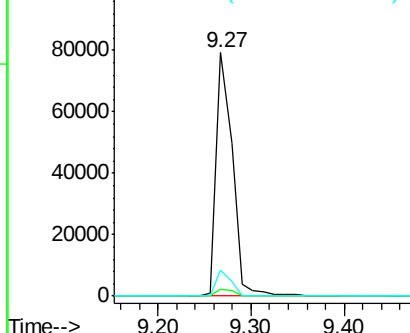


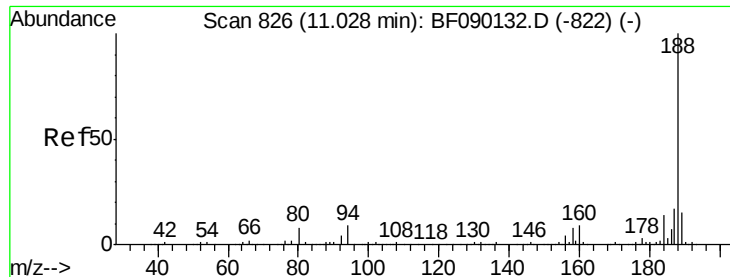
#49
Dimethylphthalate
Concen: 5.05 ng
RT: 9.27 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Tgt Ion:163 Resp: 95698
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.6 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

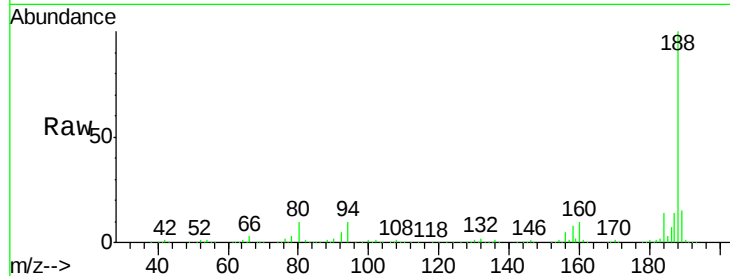




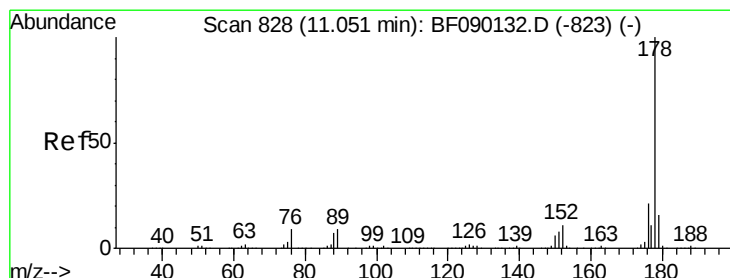
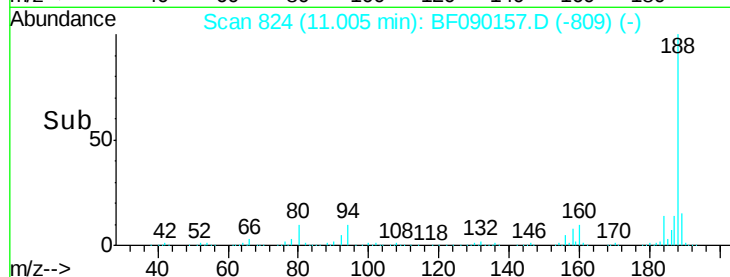
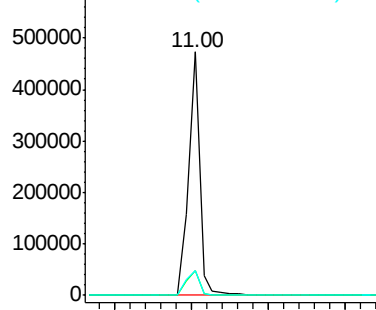
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 479997
Ion Ratio Lower Upper
188 100
94 10.1 10.5 15.7#
80 10.3 11.2 16.8#

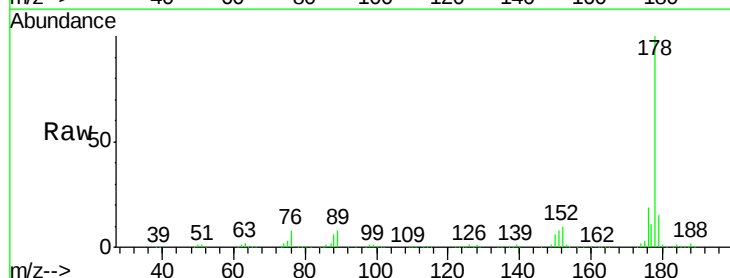


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

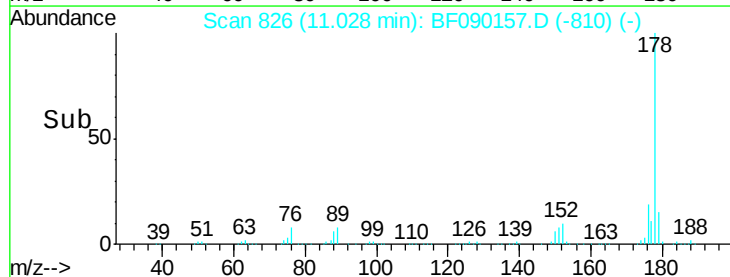
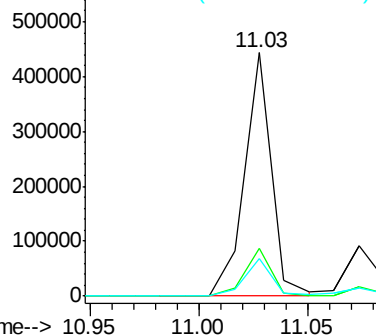


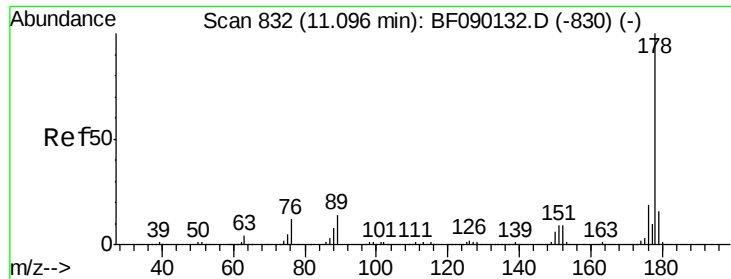
#70
Phenanthrene
Concen: 17.17 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Tgt Ion:178 Resp: 385402
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.2 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

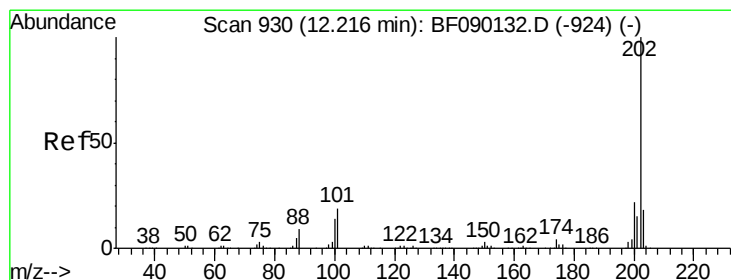
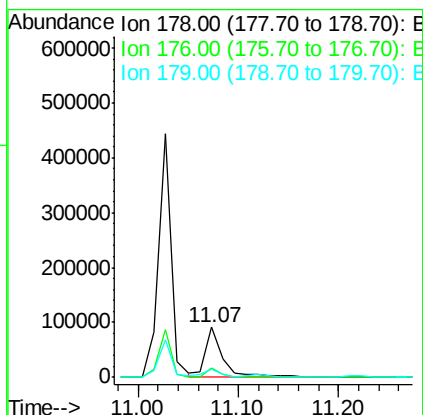
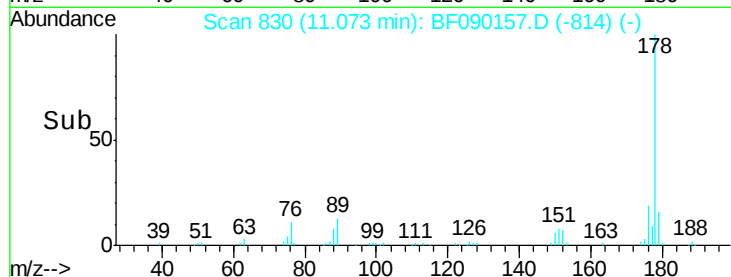
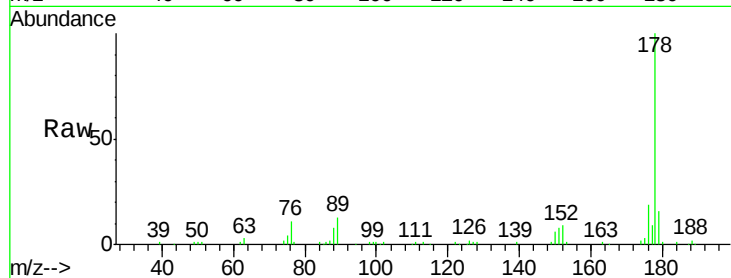




#71
 Anthracene
 Concen: 4.54 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

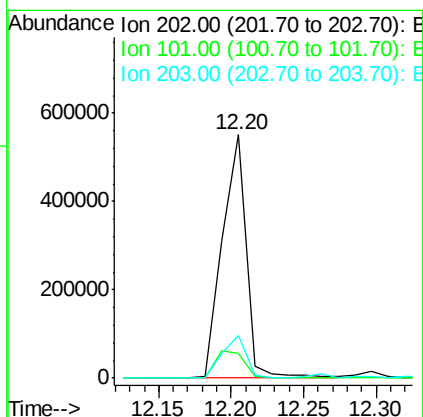
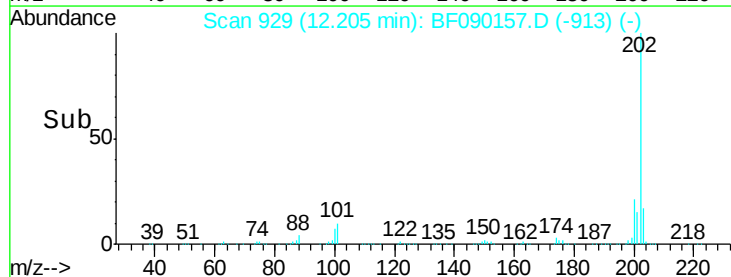
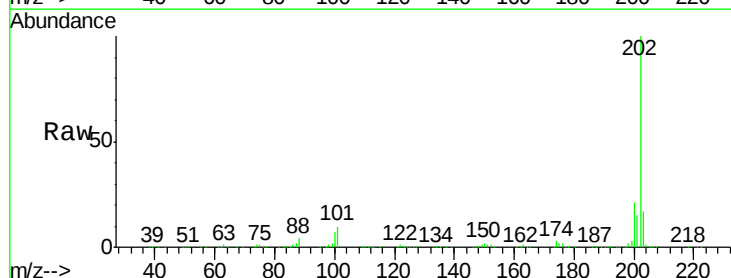
Instrument :
 BNA_F
 ClientSampleId :

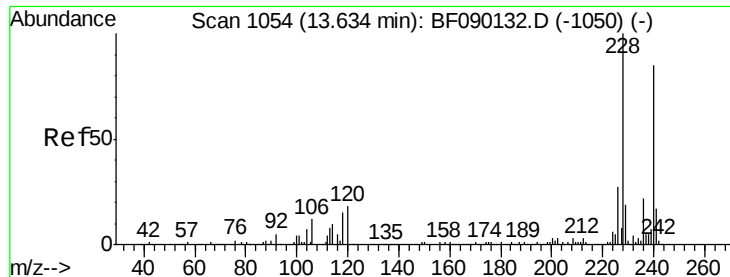
Tot Ion:178 Resp: 106877
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.6
 179 16.0 12.6 19.0



#74
 Fluoranthene
 Concen: 26.30 ng
 RT: 12.20 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Tgt Ion:202 Resp: 633777
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 36.1
 203 17.4 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Instrument :

BNA_F

ClientSampleId :

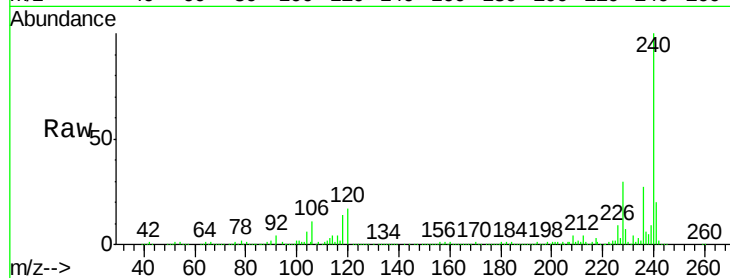
Tot Ion:240 Resp: 340038

Ion Ratio Lower Upper

240 100

120 17.1 10.6 16.0#

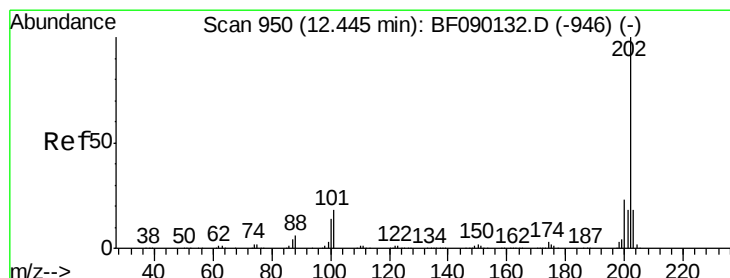
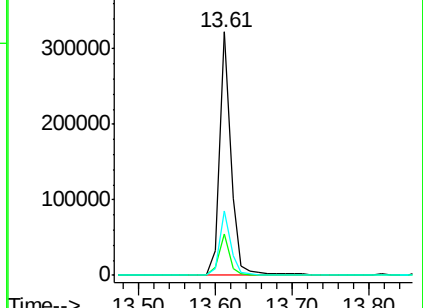
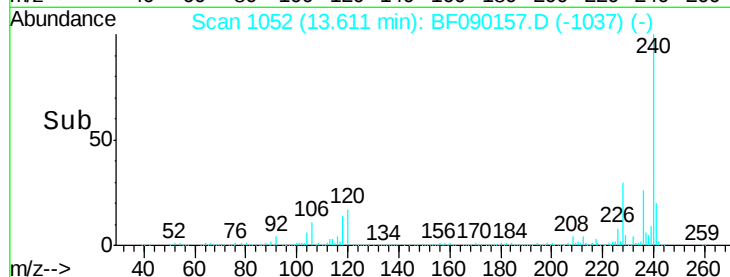
236 26.6 21.6 32.4



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: 20.89 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

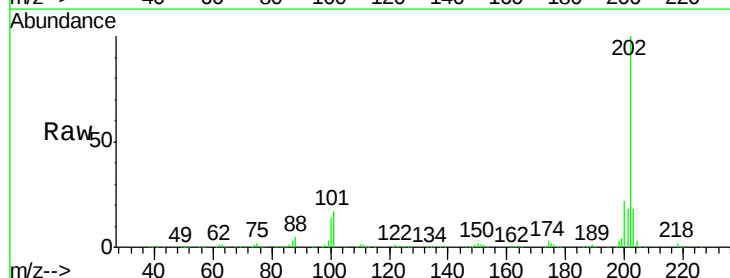
Tgt Ion:202 Resp: 486158

Ion Ratio Lower Upper

202 100

200 21.8 17.9 26.9

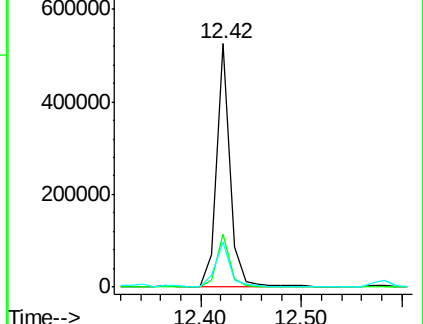
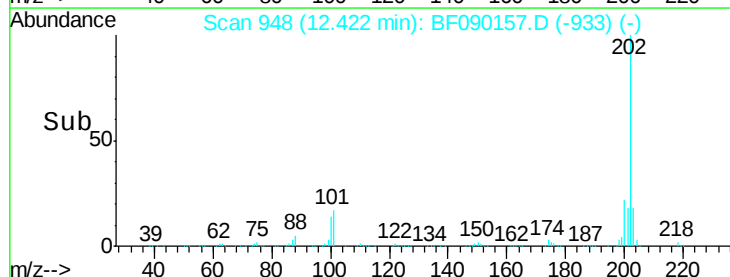
203 18.5 14.2 21.4

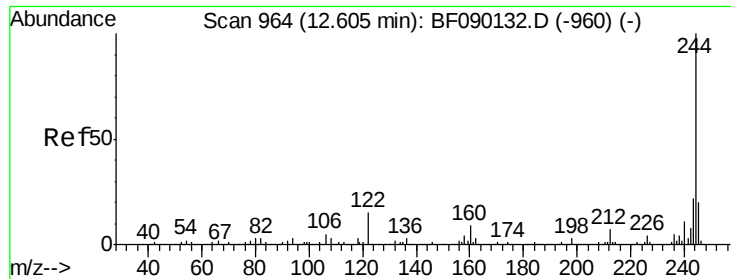


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

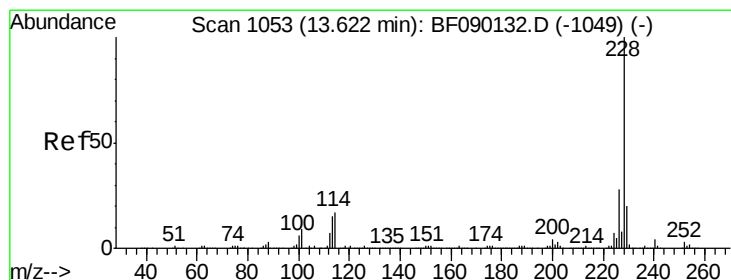
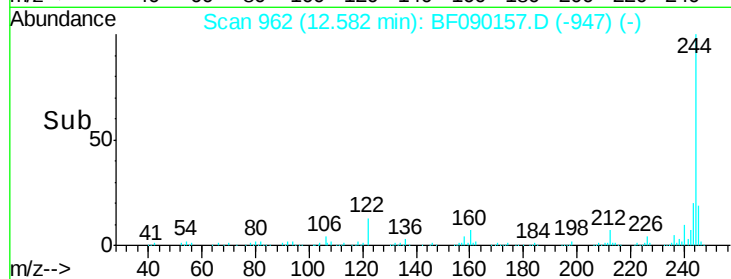
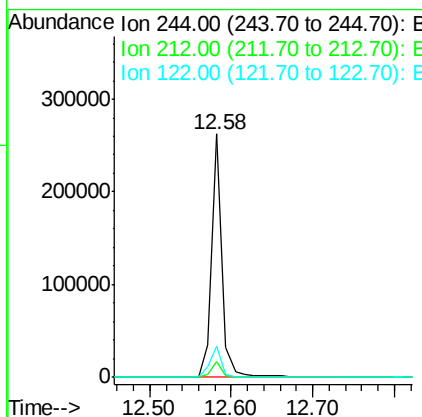
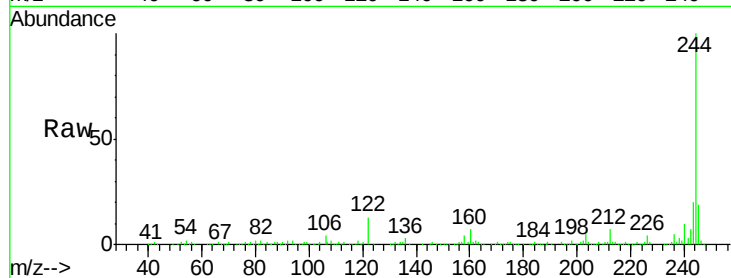




#78
 Terphenyl-d14
 Concen: 18.05 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

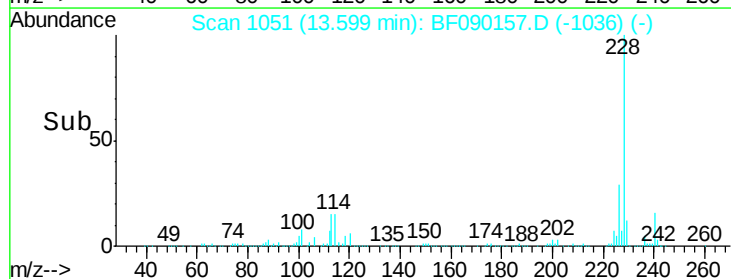
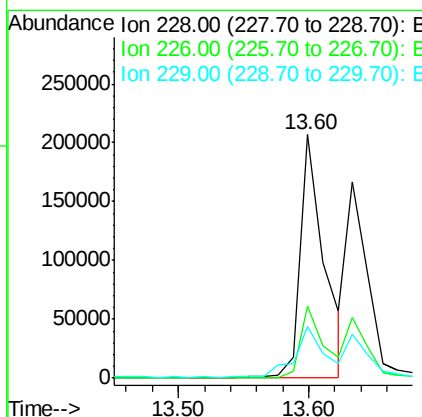
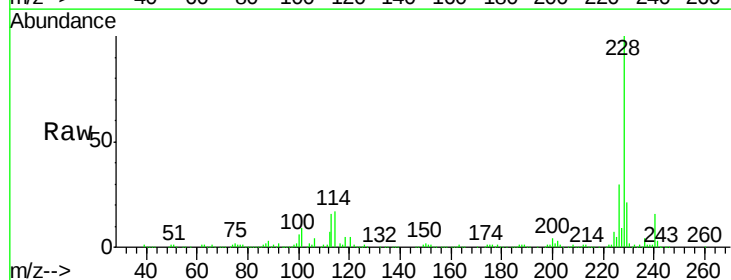
Instrument :
 BNA_F
 ClientSampleId :

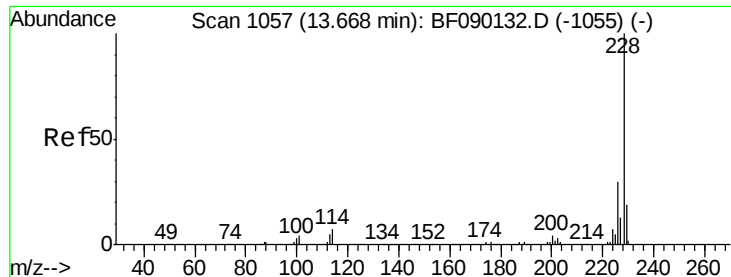
Tot Ion:244 Resp: 241695
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 12.9 9.4 14.0



#80
 Benzo(a)anthracene
 Concen: 14.32 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Tgt Ion:228 Resp: 261936
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.0 33.0
 229 21.0 16.2 24.2





#82

Chrysene

Concen: 14.70 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.07 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

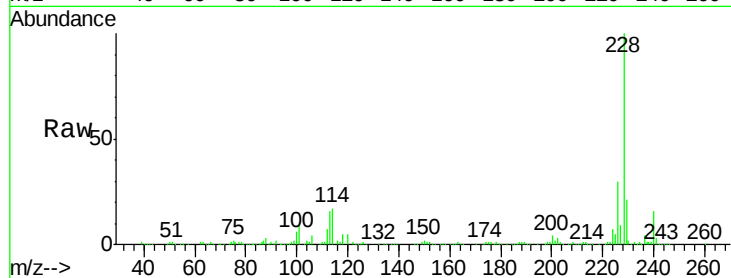
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 261936

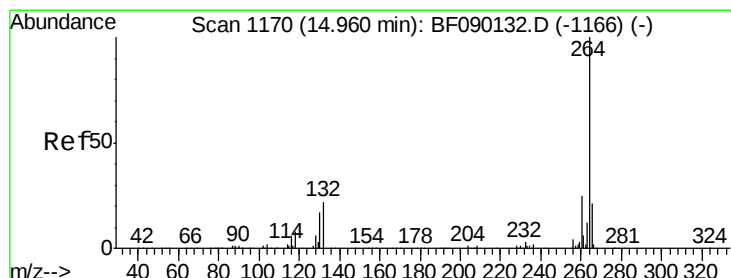
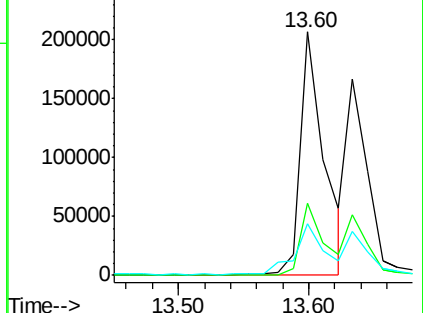
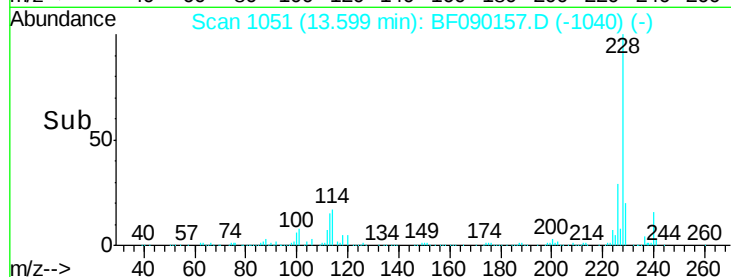
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	21.0	16.2	24.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.94 min Scan# 1168

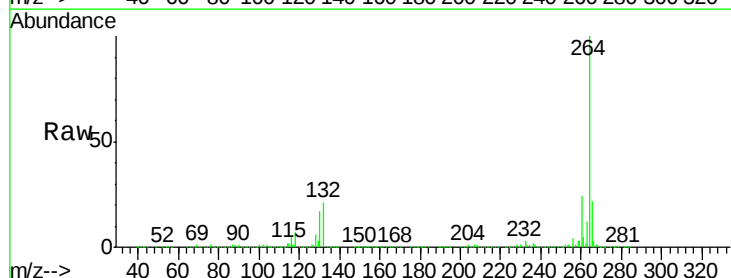
Delta R.T. -0.02 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Tgt Ion:264 Resp: 339369

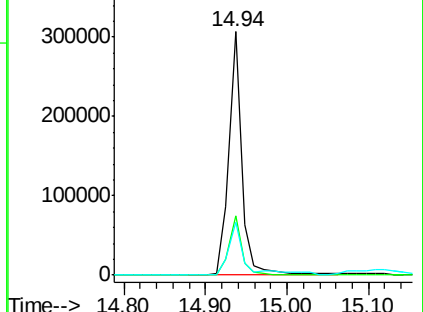
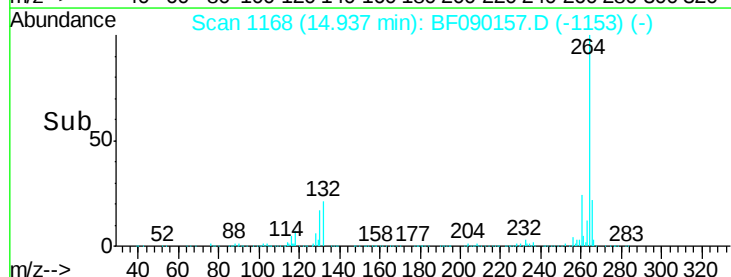
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.9	17.0	25.4

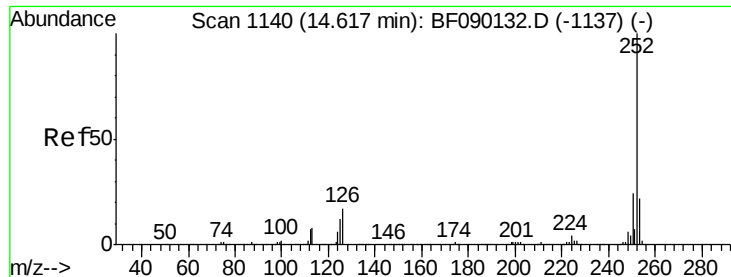


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 19.40 ng

RT: 14.59 min Scan# 1138

Delta R.T. -0.02 min

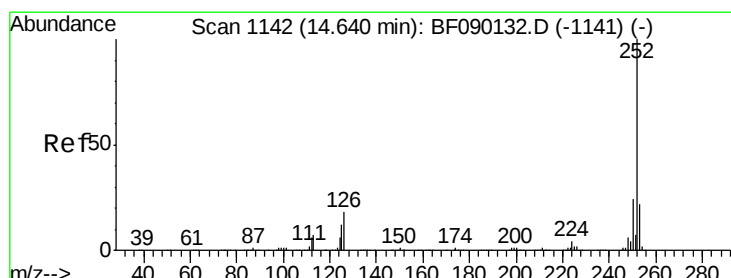
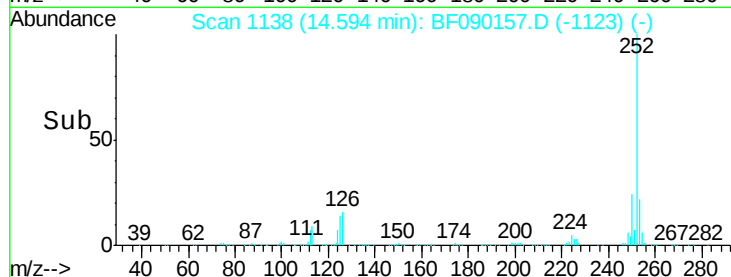
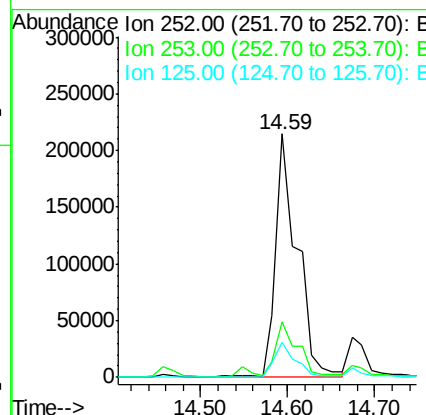
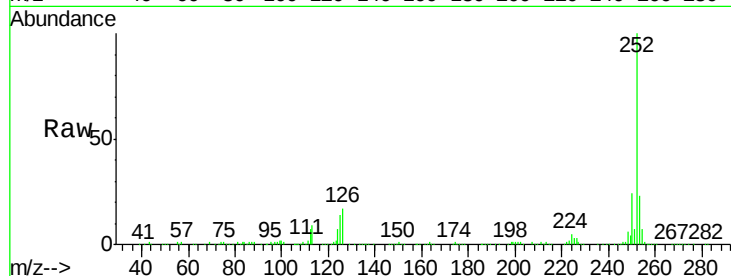
Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 364660

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	14.4	12.7	19.1



#88

Benzo(k)fluoranthene

Concen: 20.68 ng

RT: 14.59 min Scan# 1138

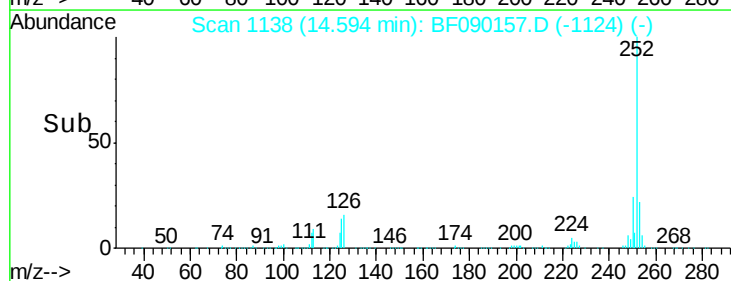
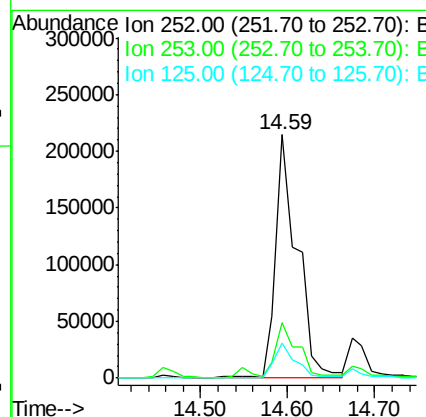
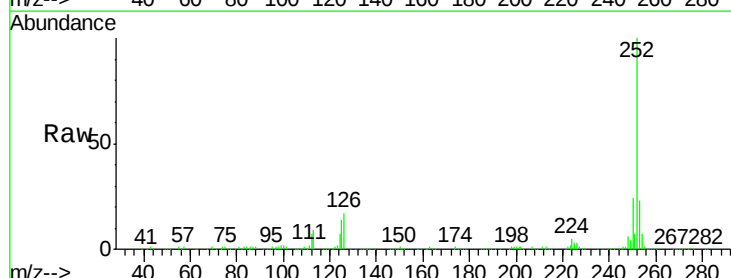
Delta R.T. -0.05 min

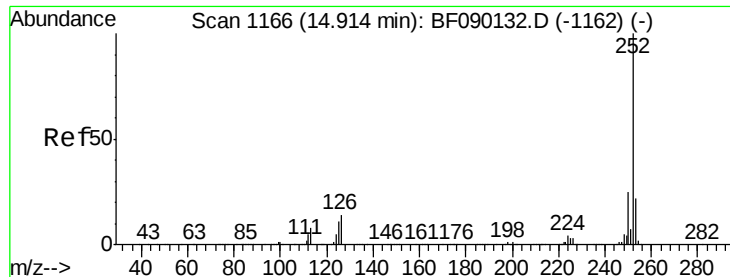
Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Tgt Ion:252 Resp: 364660

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	14.4	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 11.05 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Instrument :

BNA_F

ClientSampleId :

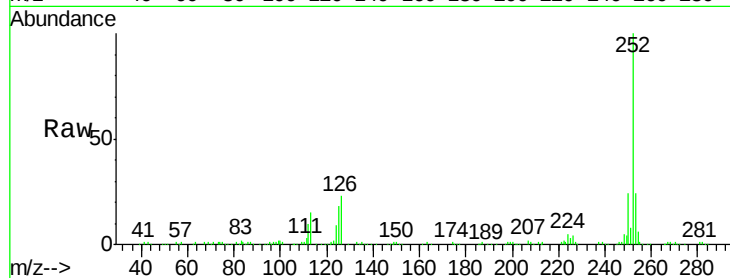
Tot Ion:252 Resp: 195402

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

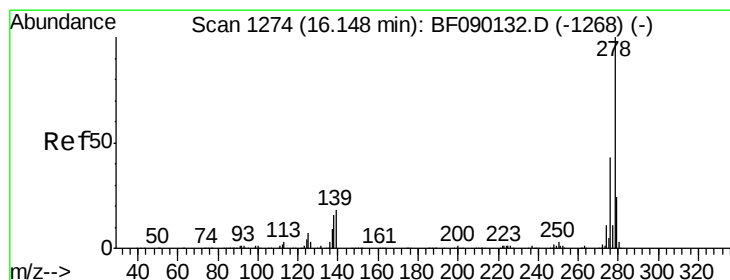
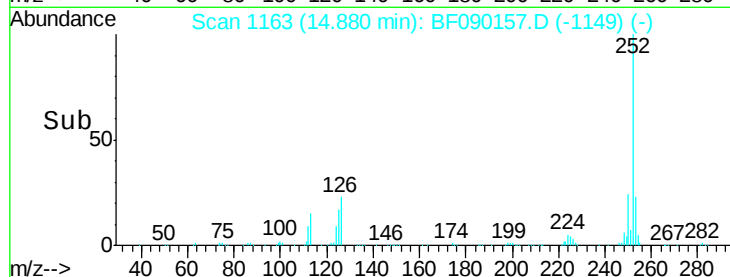
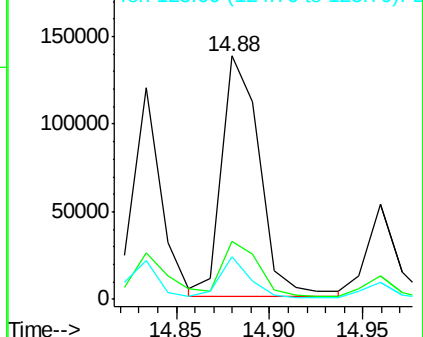
125 17.6 7.7 11.5#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.64 ng

RT: 16.10 min Scan# 1270

Delta R.T. -0.05 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

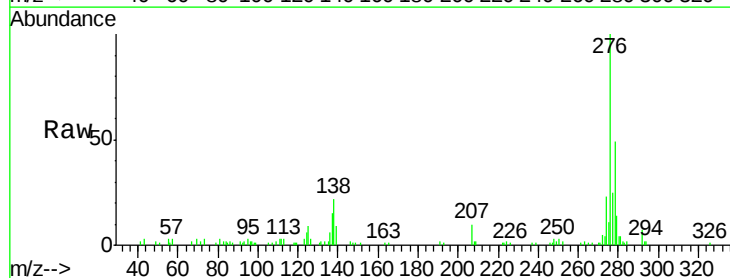
Tgt Ion:278 Resp: 36482

Ion Ratio Lower Upper

278 100

139 18.7 14.6 21.8

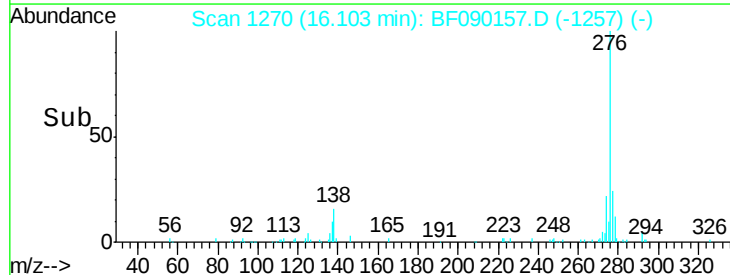
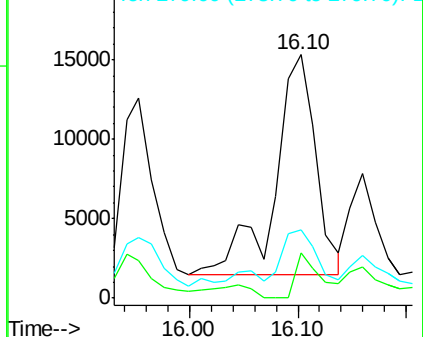
279 27.9 18.8 28.2

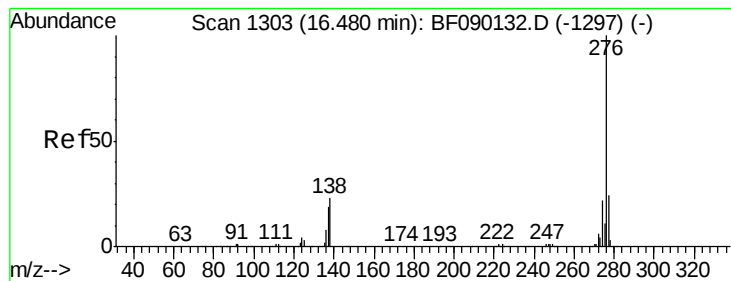


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.94 ng

RT: 16.43 min Scan# 1299

Delta R.T. -0.05 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Instrument :

BNA_F

ClientSampleId :

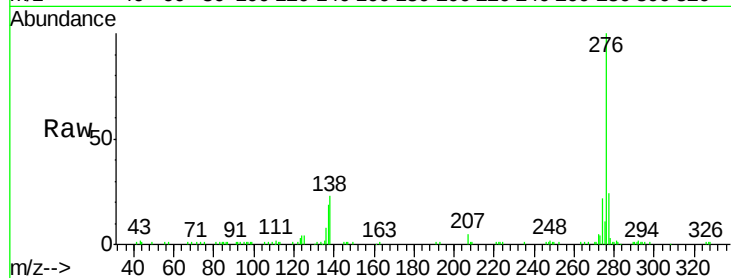
Tot Ion: 276 Resp: 120645

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 23.2 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

