

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 :
 FHSW-04-SOUTHSIDEDL

Quant Time: Sep 22 05:47:38 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

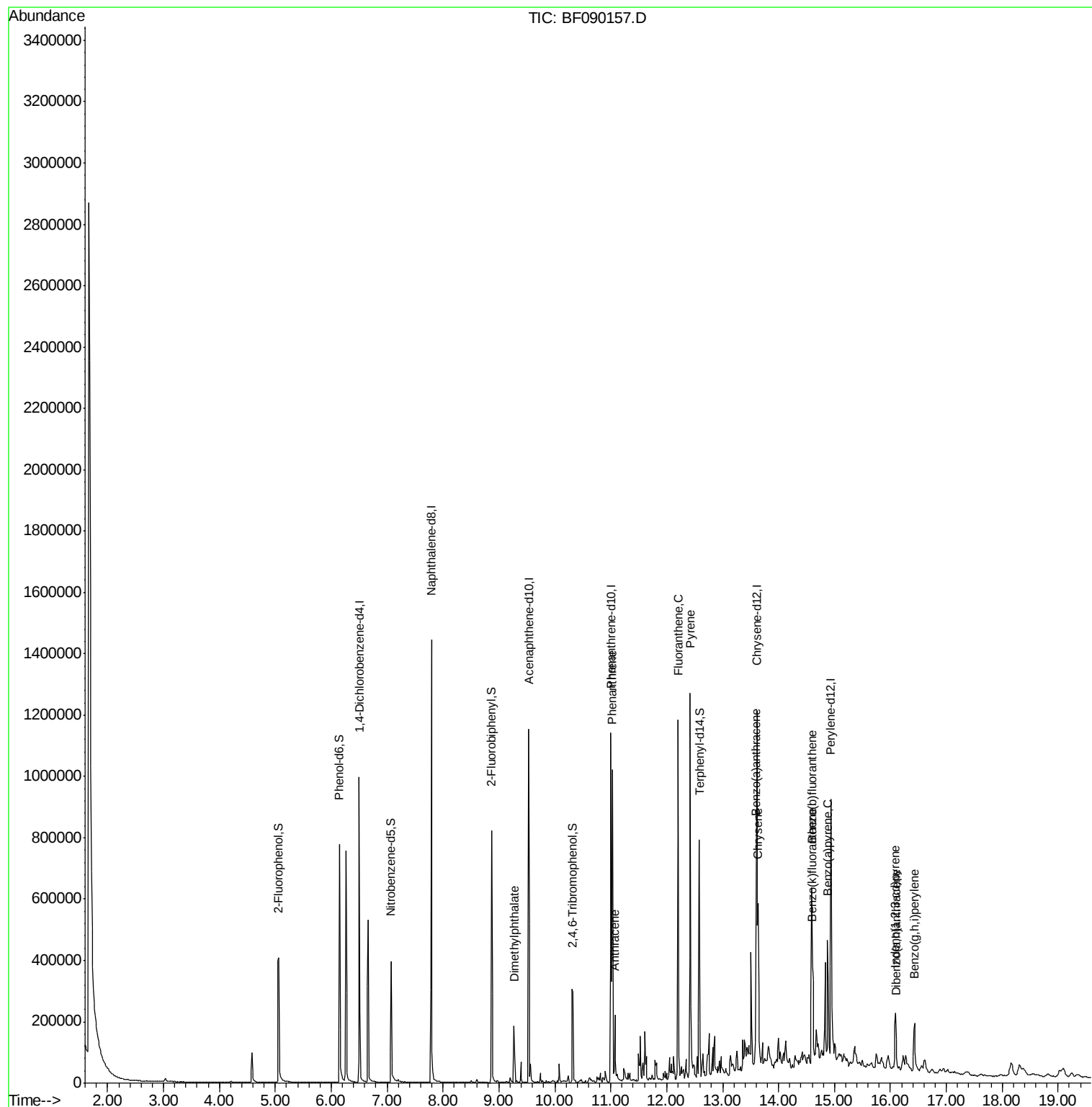
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	167267	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	679666	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	297247	20.00	ng	-0.02
63) Phenanthrene-d10	11.00	188	479997	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	340038	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
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	13.63	228	193226m	10.84	ng	
85) Indeno(1,2,3-cd)pyrene	16.09	276	133582m	9.27	ng	
87) Benzo(b)fluoranthene	14.59	252	264291m	14.06	ng	
88) Benzo(k)fluoranthene	14.61	252	101660m	5.76	ng	
89) Benzo(a)pyrene	14.88	252	195402	11.05	ng	# 90
90) Dibenzo(a,h)anthracene	16.10	278	29422m	2.13	ng	
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 :

FHSW-04-SOUTHSIDEDL

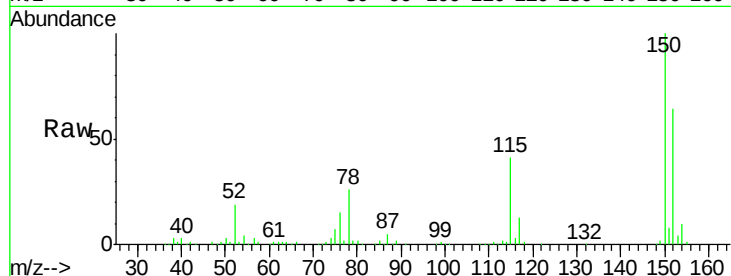
Tot Ion:152 Resp: 167267

Ion Ratio Lower Upper

152 100

150 155.9 128.9 193.3

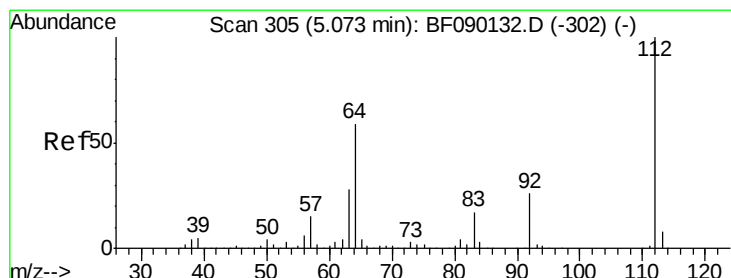
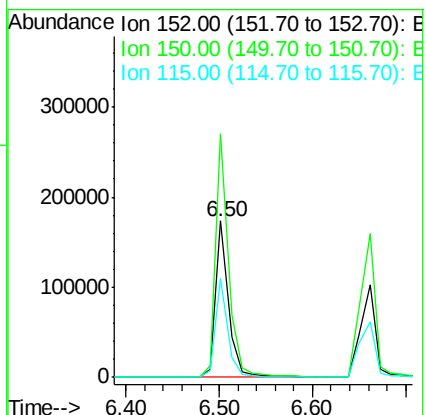
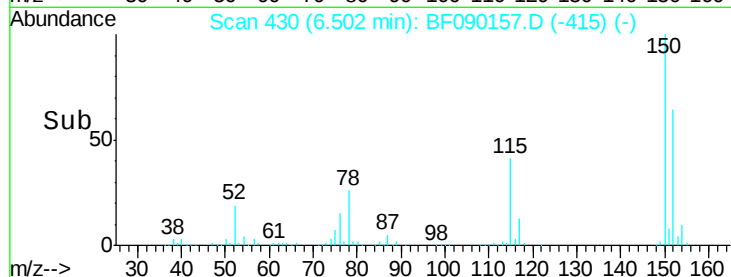
115 63.5 55.5 83.3



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

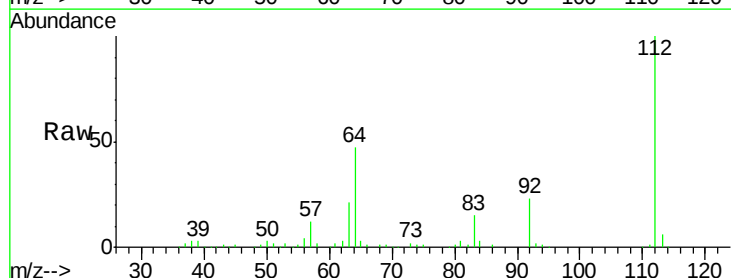
Tgt Ion:112 Resp: 227834

Ion Ratio Lower Upper

112 100

64 46.6 39.8 59.6

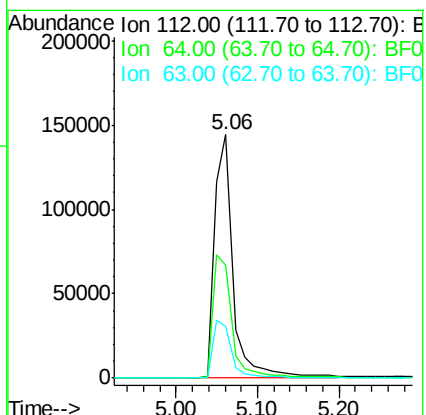
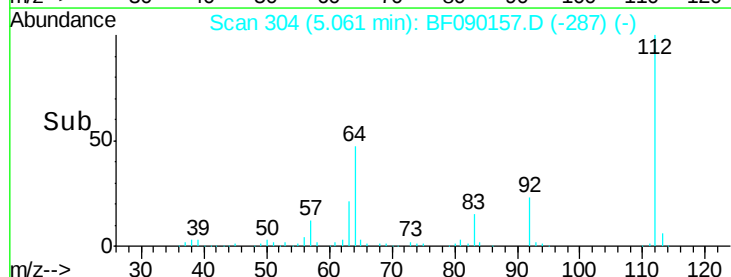
63 21.4 18.9 28.3



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 :

FHSW-04-SOUTHSIDEDL

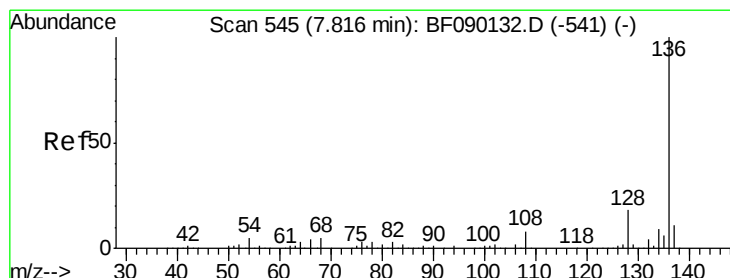
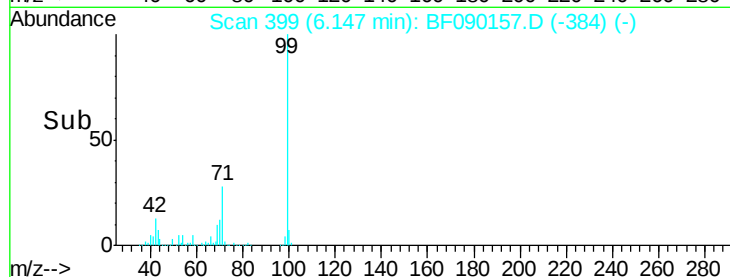
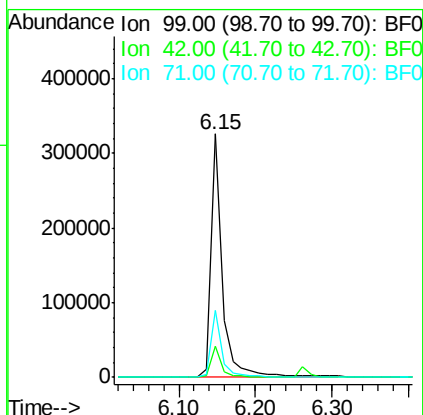
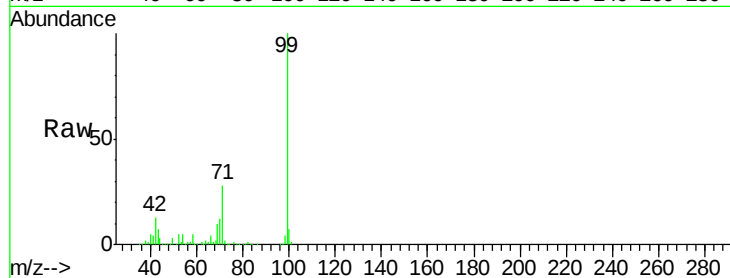
Tot Ion: 99 Resp: 333209

Ion Ratio Lower Upper

99 100

42 12.7 10.6 15.8

71 27.6 23.0 34.6



#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

Tgt Ion: 136 Resp: 679666

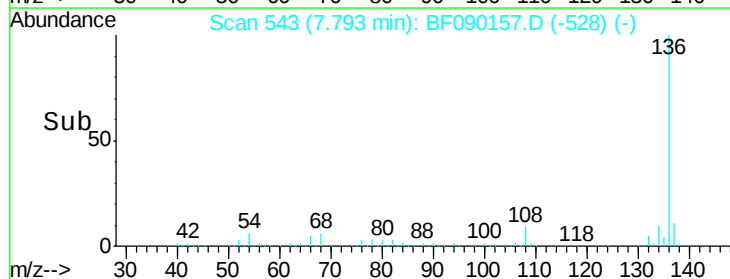
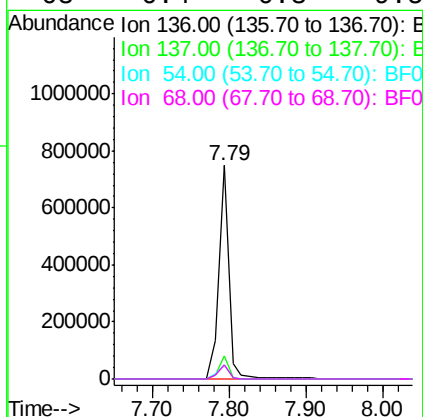
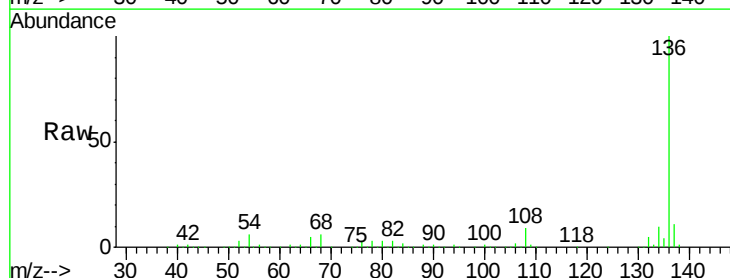
Ion Ratio Lower Upper

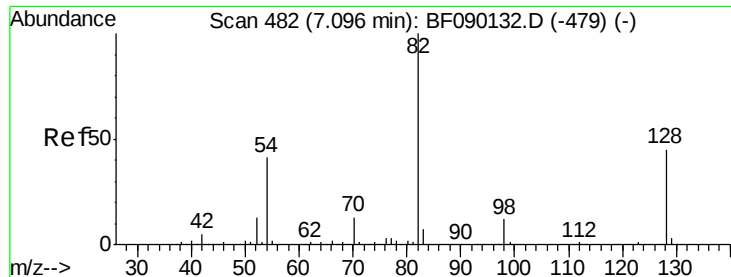
136 100

137 11.1 9.0 13.4

54 6.5 6.4 9.6

68 6.4 6.3 9.5

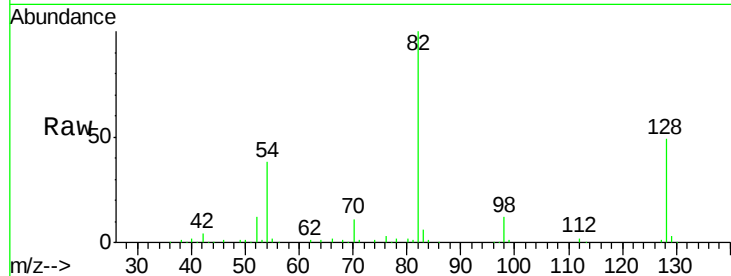




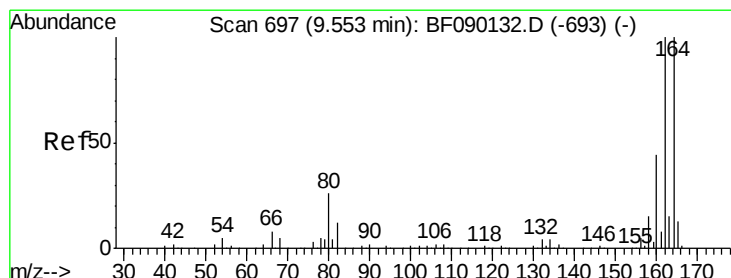
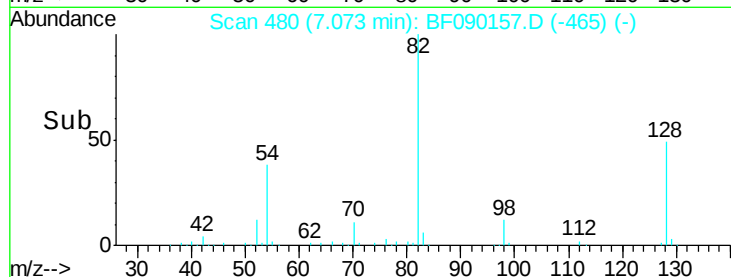
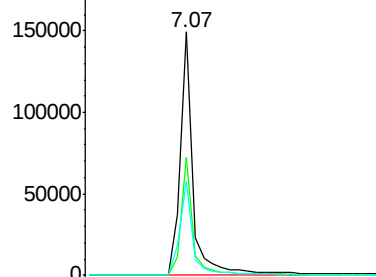
#23
 Nitrobenzene-d5
 Concen: 14.77 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-04-SOUTHSIDEDL

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

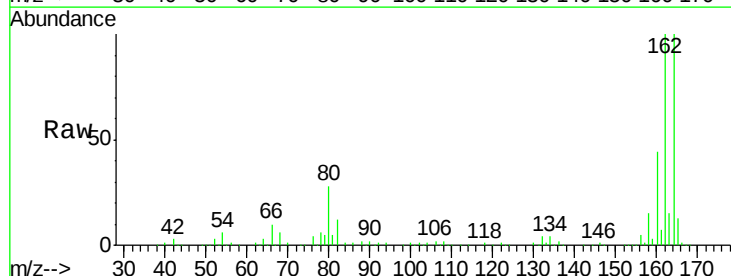


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

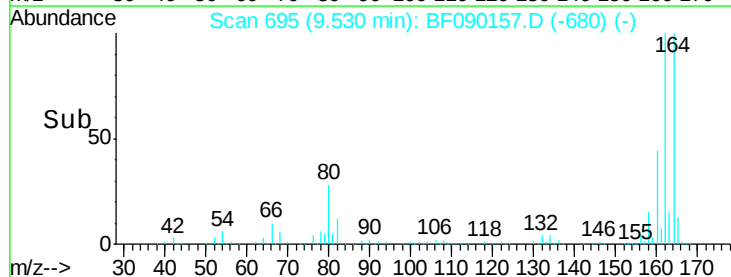
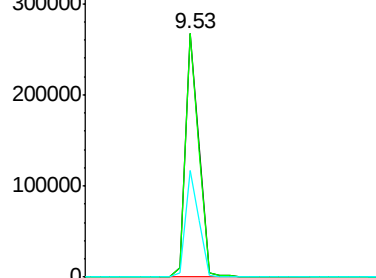


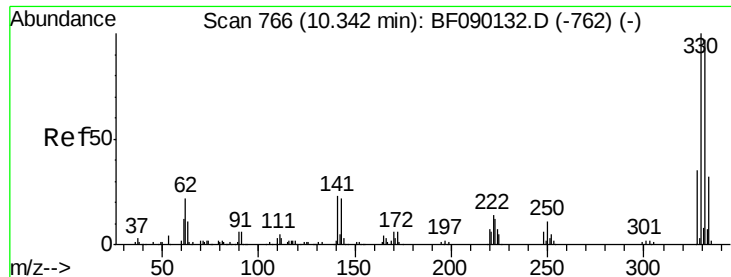
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Tgt 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): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

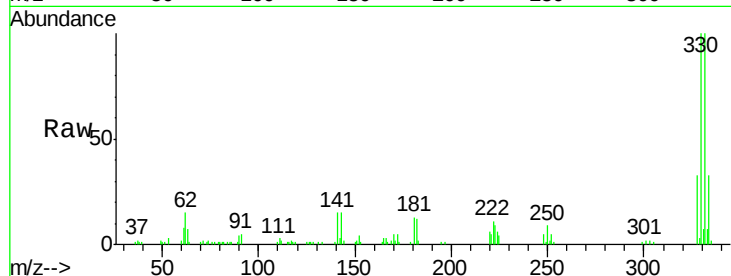




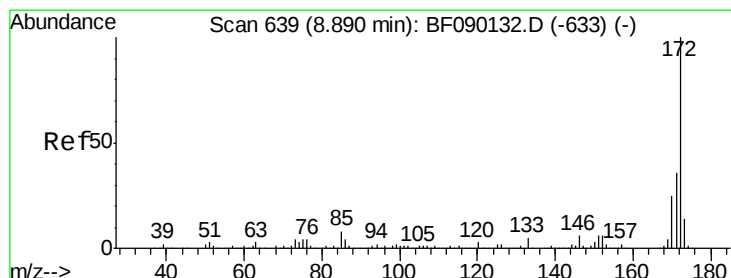
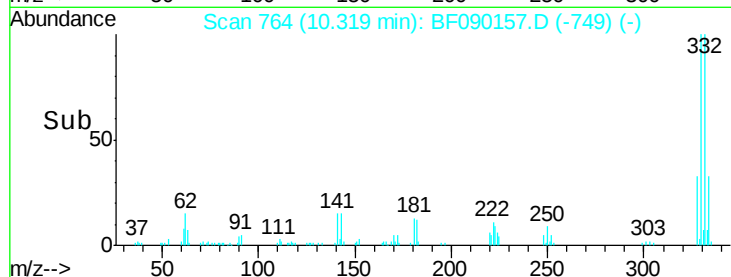
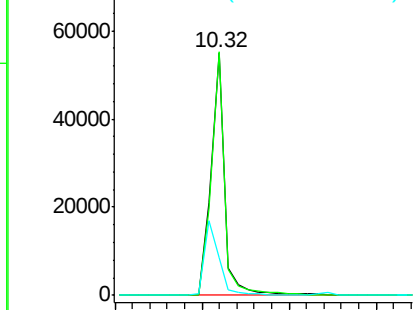
#41
 2,4,6-Tribromophenol
 Concen: 24.02 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-04-SOUTHSIDEDL

Tot Ion:330 Resp: 61245
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.1 117.1
 141 31.8 23.9 35.9

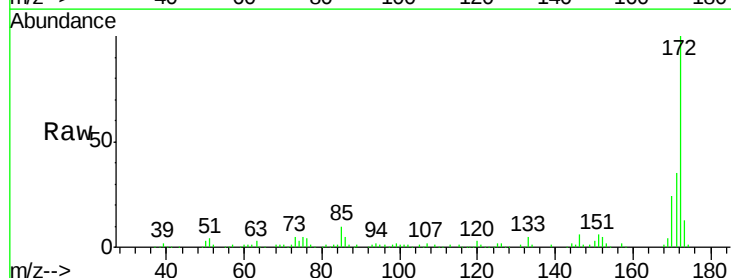


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

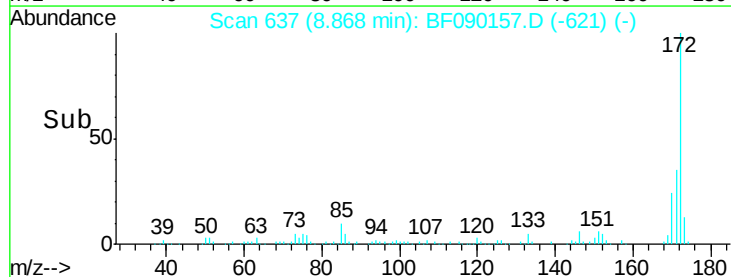
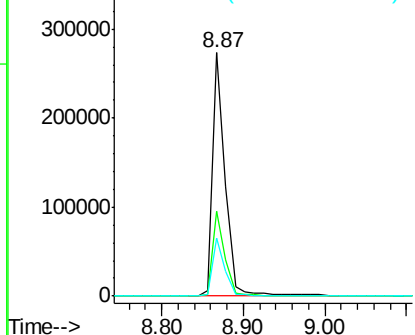


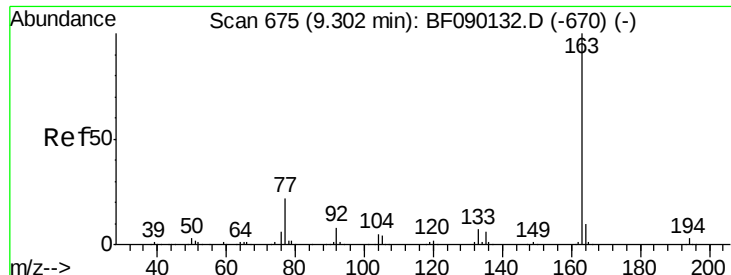
#44
 2-Fluorobiphenyl
 Concen: 19.82 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.02 min
 Lab File: BF090157.D
 Acq: 21 Sep 2016 13:07

Tgt 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

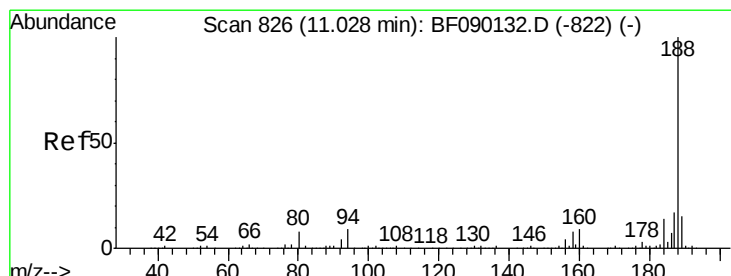
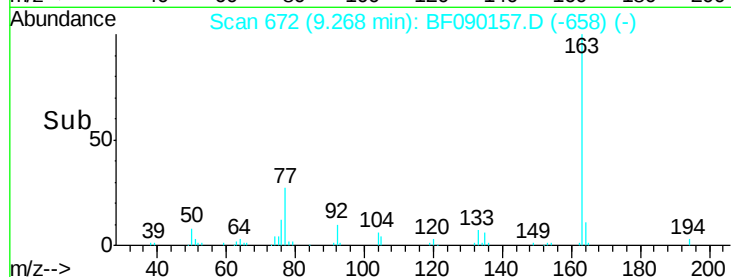
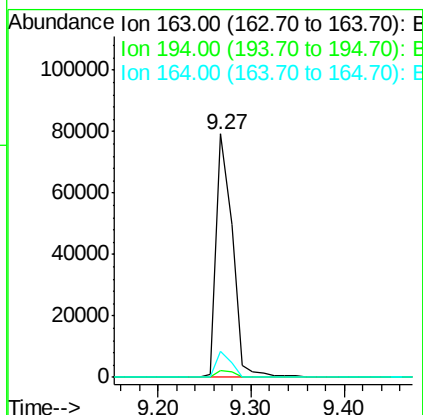
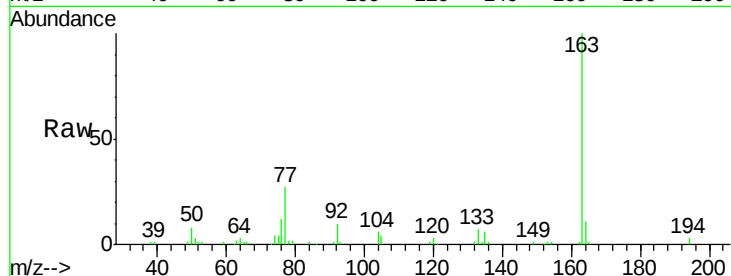




#49
Dimethylphthalate
Concen: 5.05 ng
RT: 9.27 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

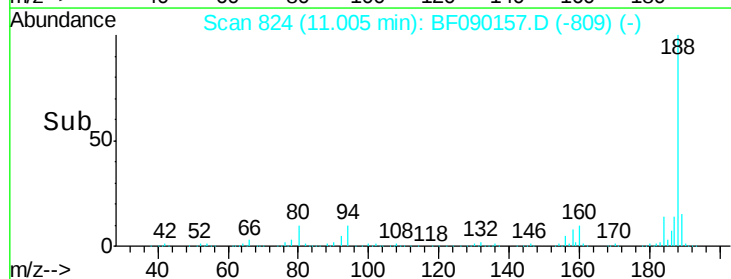
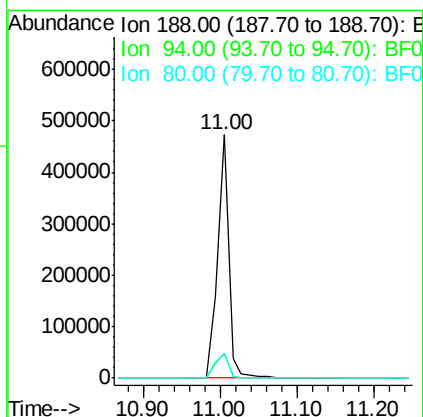
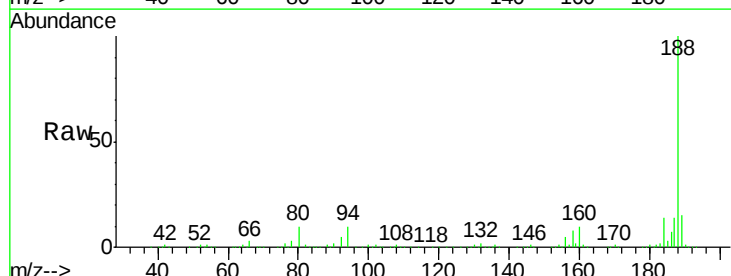
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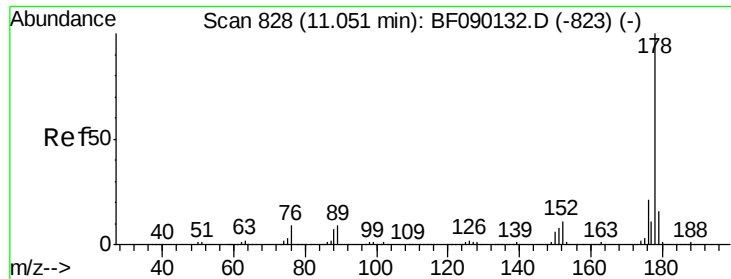
Tot Ion:163 Resp: 95698
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.6 8.1 12.1



#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

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

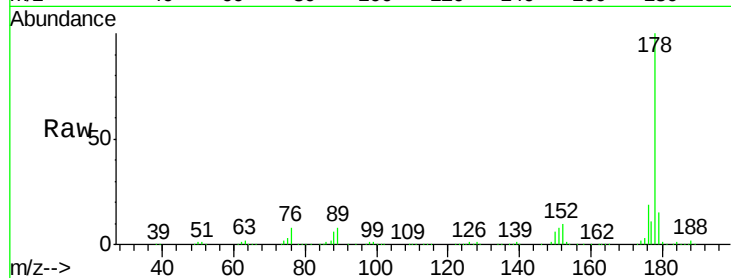




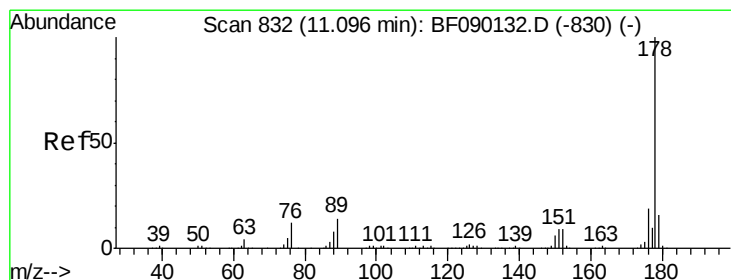
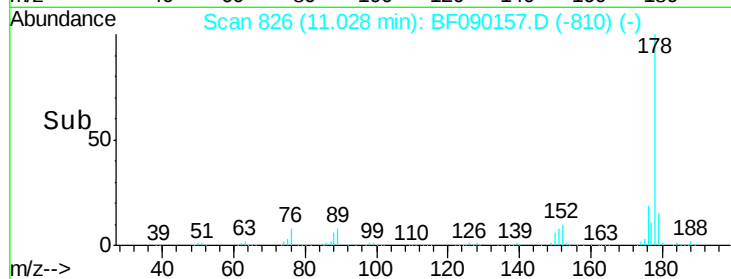
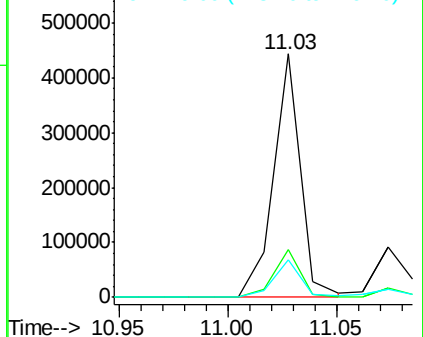
#70
Phenanthrene
Concen: 17.17 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDEDL

Tot Ion:178 Resp: 385402
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.2 12.9 19.3

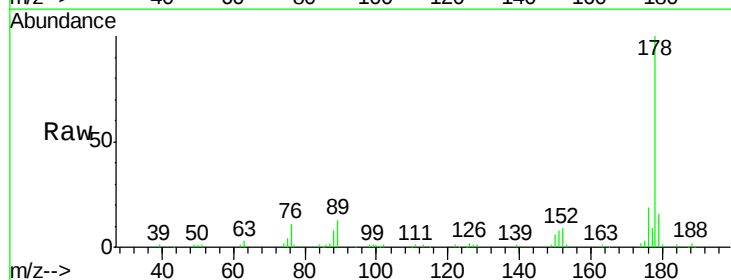


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

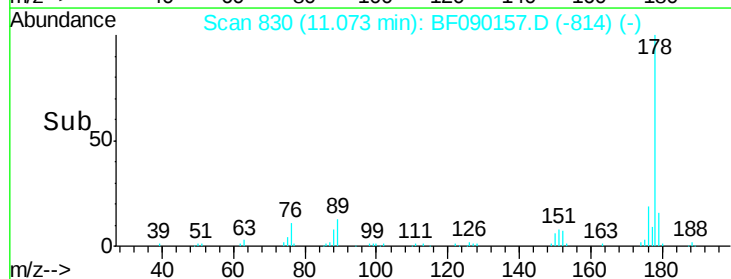
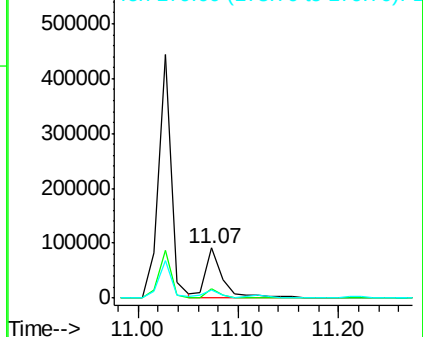


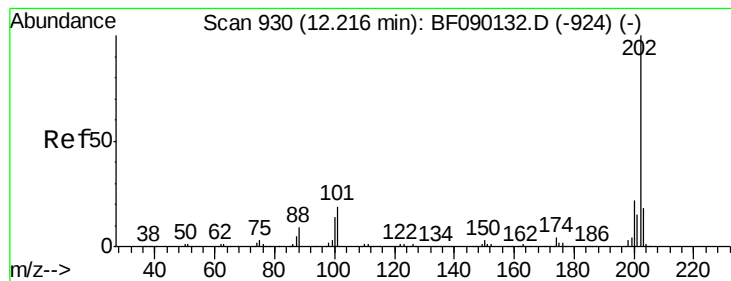
#71
Anthracene
Concen: 4.54 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.02 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

Tgt Ion:178 Resp: 106877
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 16.0 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: 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

Instrument :

BNA_F

ClientSampleId :

FHSW-04-SOUTHSIDEDL

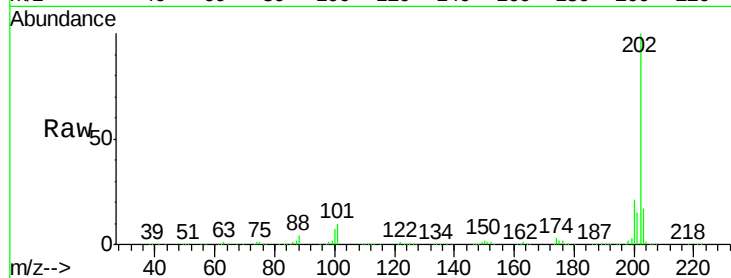
Tot Ion:202 Resp: 633777

Ion Ratio Lower Upper

202 100

101 9.9 0.0 36.1

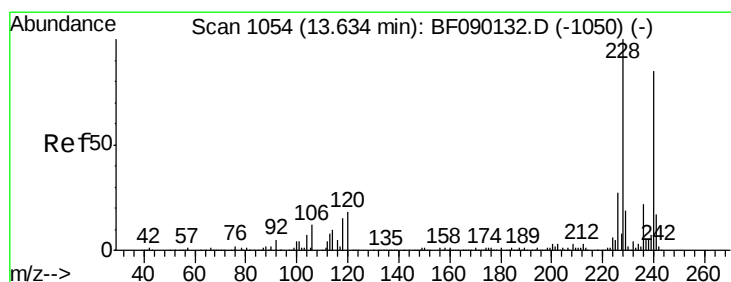
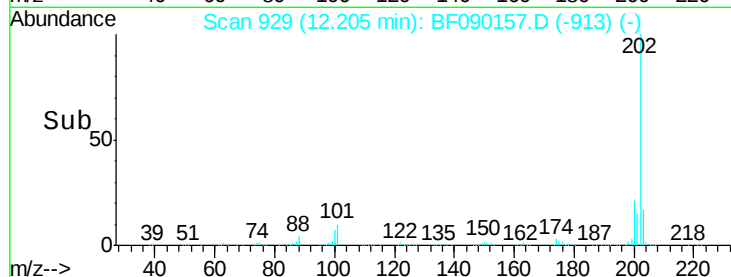
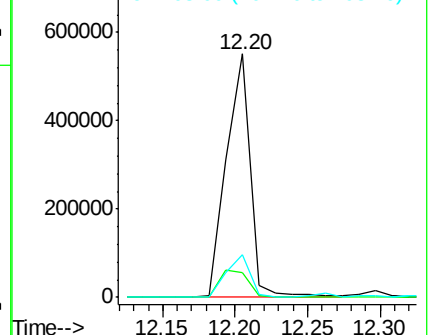
203 17.4 0.0 38.2



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: 13.61 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

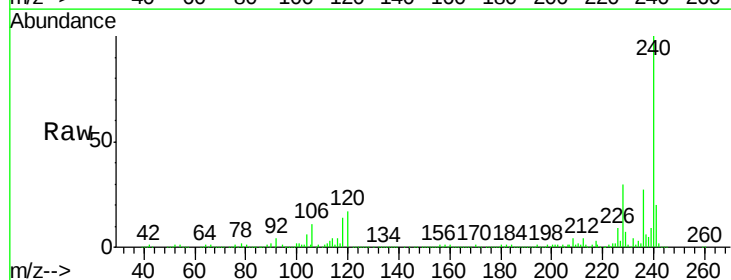
Tgt Ion:240 Resp: 340038

Ion Ratio Lower Upper

240 100

120 17.1 10.6 16.0#

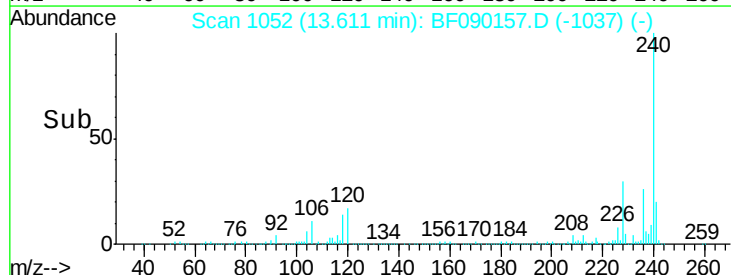
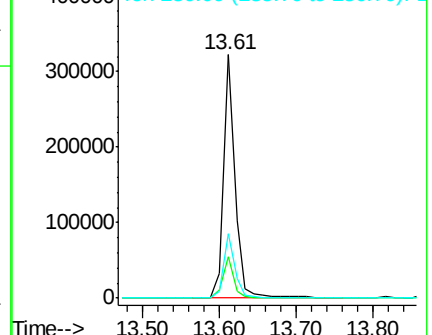
236 26.6 21.6 32.4

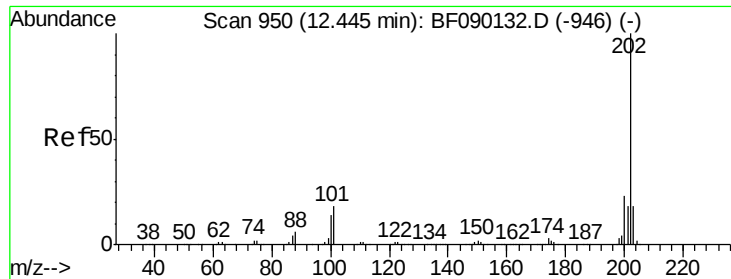


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

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

Instrument :

BNA_F

ClientSampleId :

FHSW-04-SOUTHSIDEDL

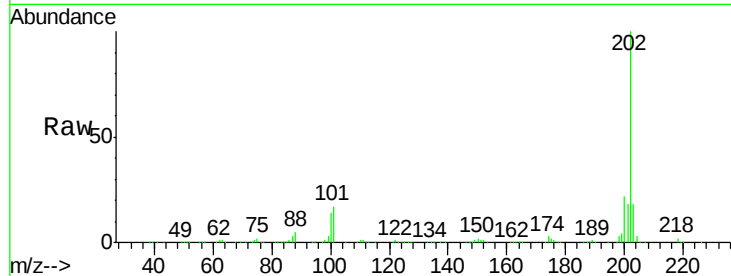
Tot Ion:202 Resp: 486158

Ion Ratio Lower Upper

202 100

200 21.8 17.9 26.9

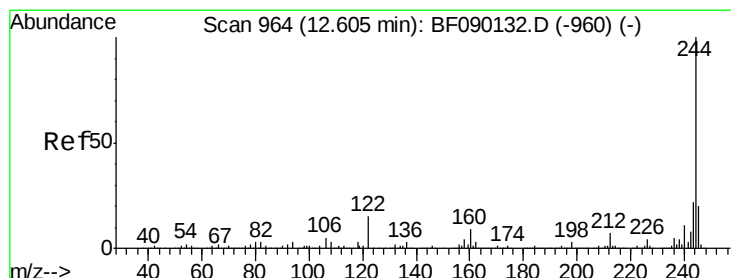
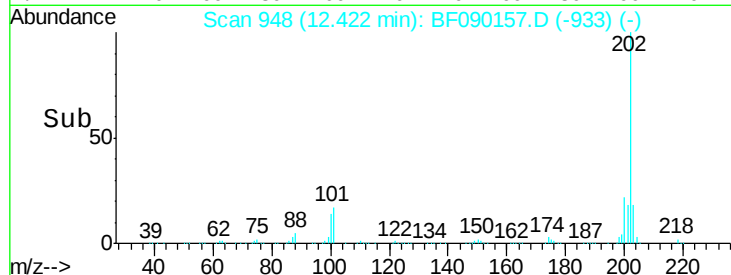
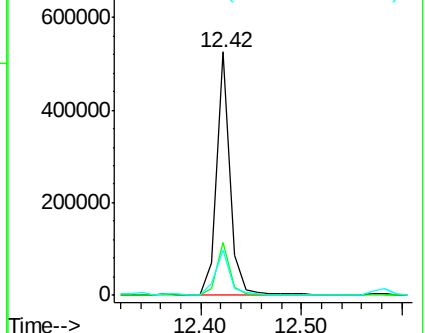
203 18.5 14.2 21.4



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

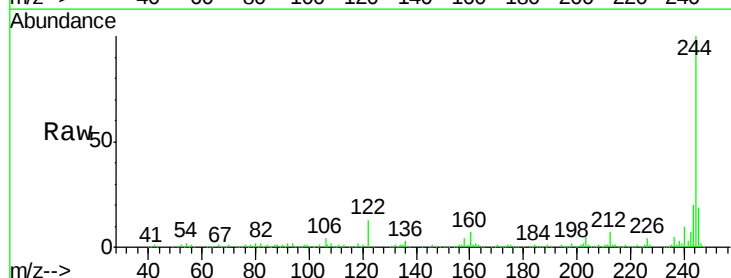
Tgt Ion:244 Resp: 241695

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

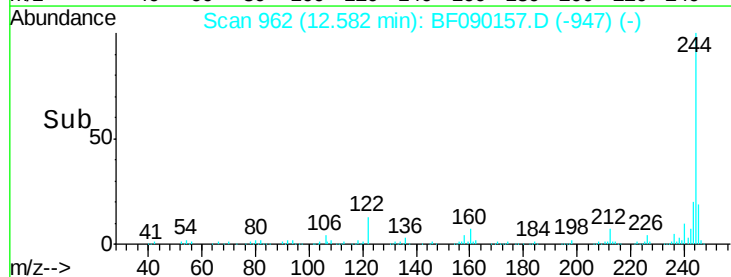
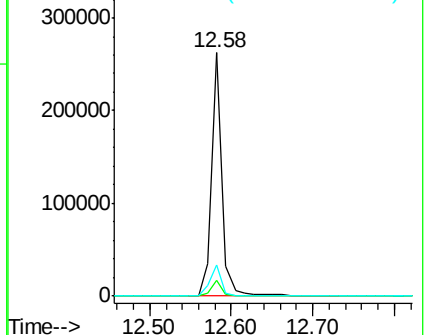
122 12.9 9.4 14.0

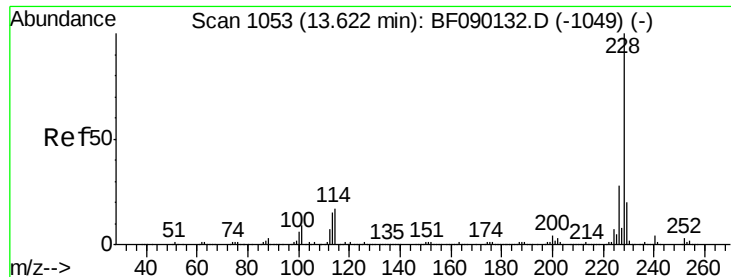


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.32 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Instrument :

BNA_F

ClientSampleId :

FHSW-04-SOUTHSIDEDL

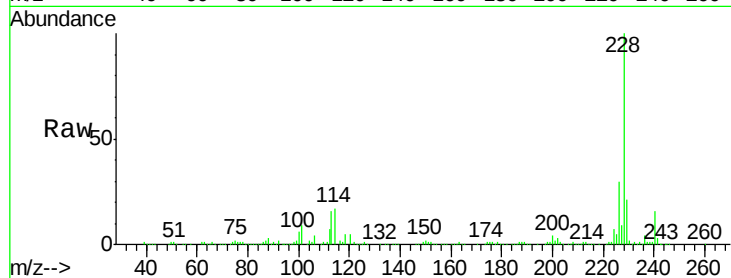
Tot Ion:228 Resp: 261936

Ion Ratio Lower Upper

228 100

226 29.7 22.0 33.0

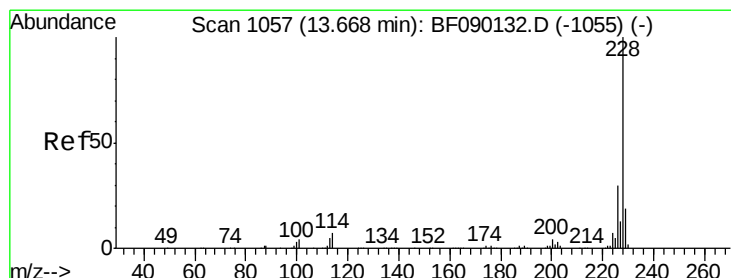
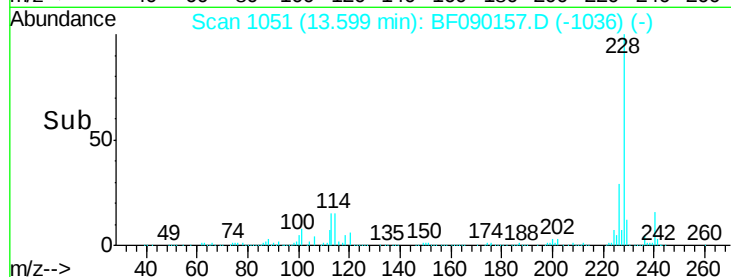
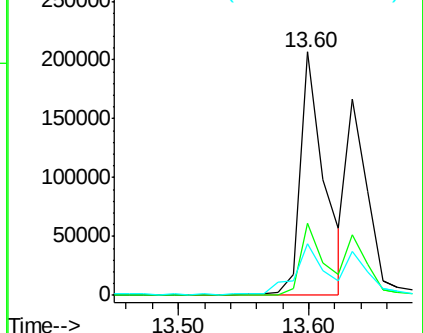
229 21.0 16.2 24.2



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: 10.84 ng m

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

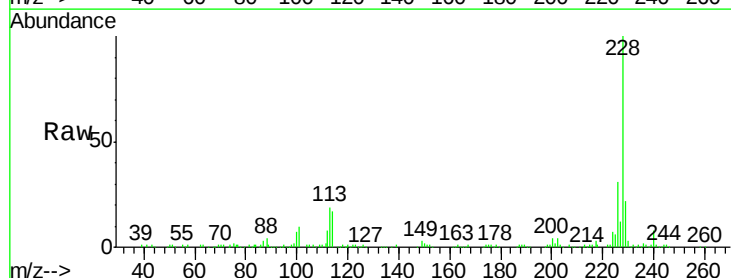
Tgt Ion:228 Resp: 193226

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

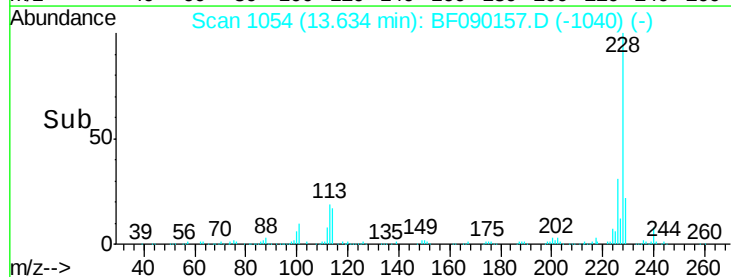
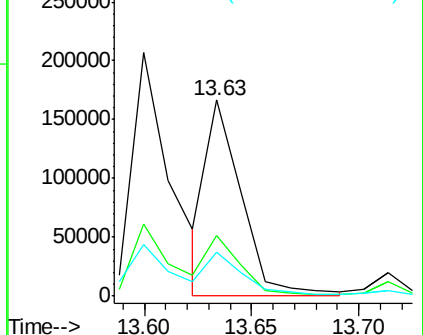
229 22.4 16.2 24.4

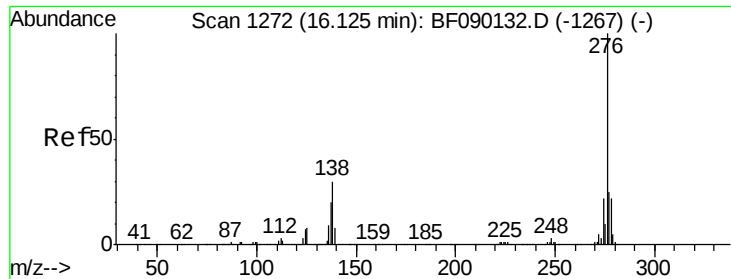


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

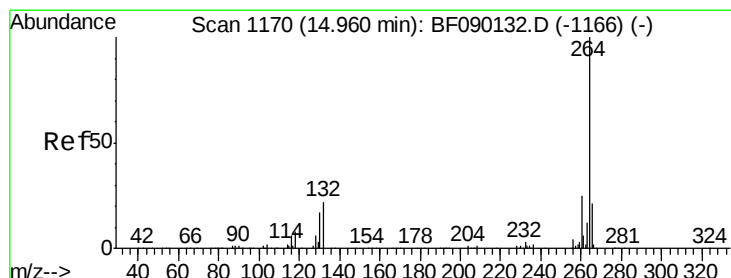
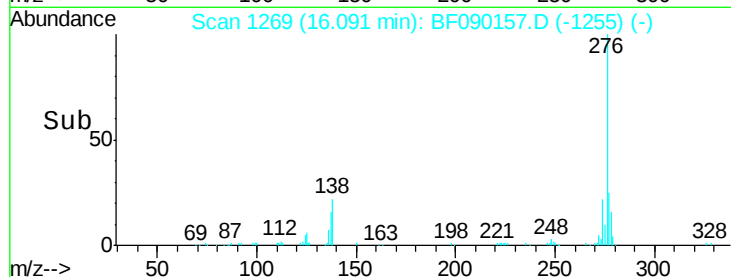
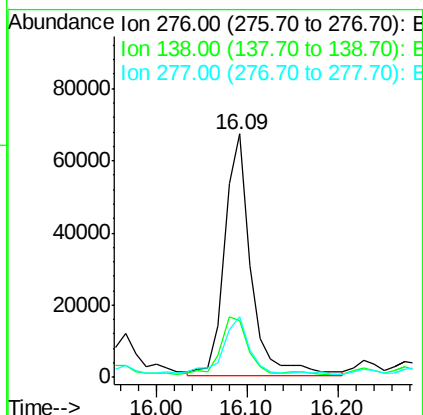
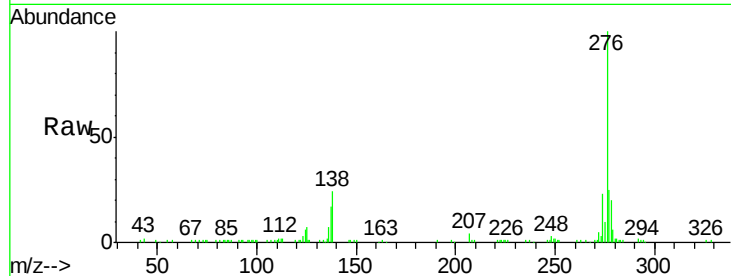




#85
Indeno(1,2,3-cd)pyrene
Concen: 9.27 ng/ml
RT: 16.09 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF090157.D
Acq: 21 Sep 2016 13:07

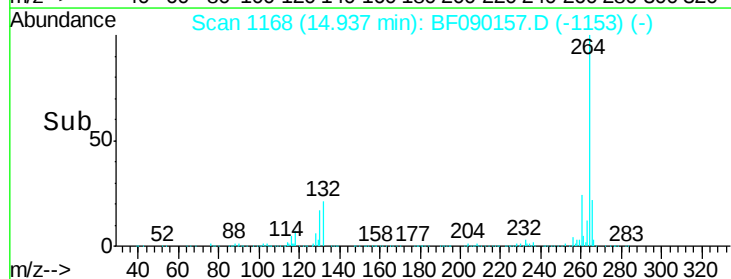
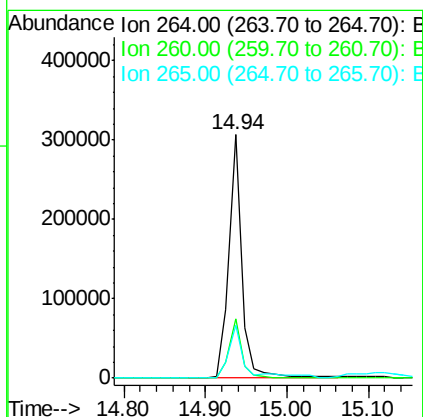
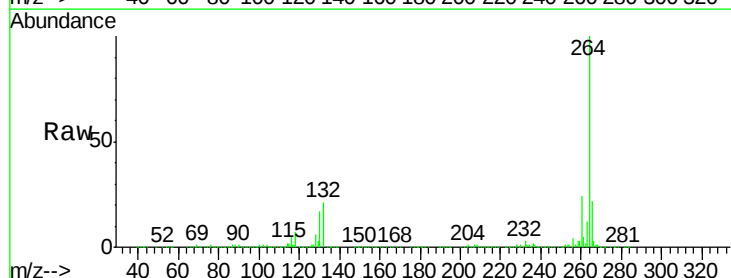
Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDEDL

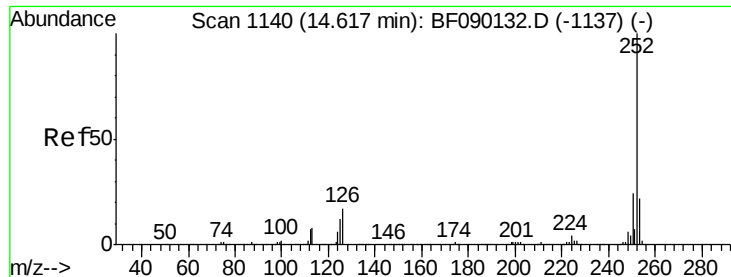
Tot Ion	Ratio	Lower	Upper
276	100		
138	5.9	25.9	38.9#
277	4.3	19.9	29.9#



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





#87

Benzo(b)fluoranthene

Concen: 14.06 ng m

RT: 14.59 min Scan# 1138

Delta R.T. -0.02 min

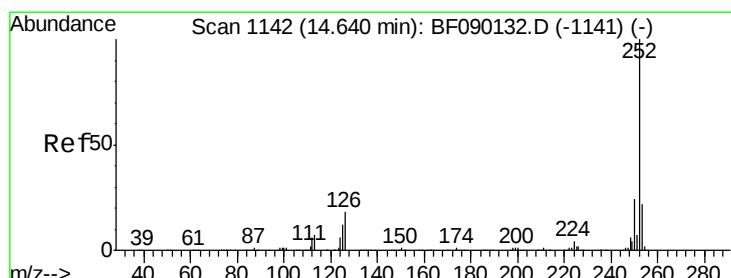
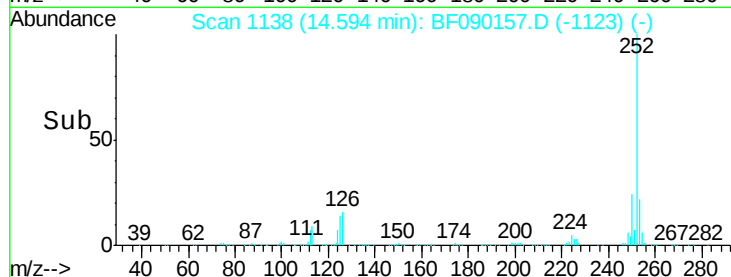
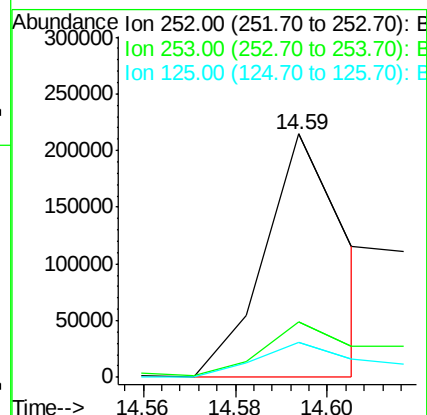
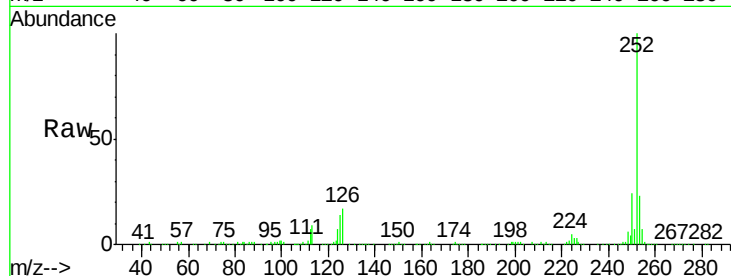
Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDEDL

Tot Ion:252 Resp: 264291

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: 5.76 ng m

RT: 14.61 min Scan# 1139

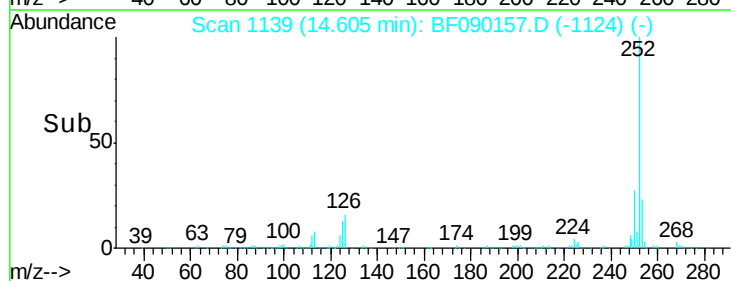
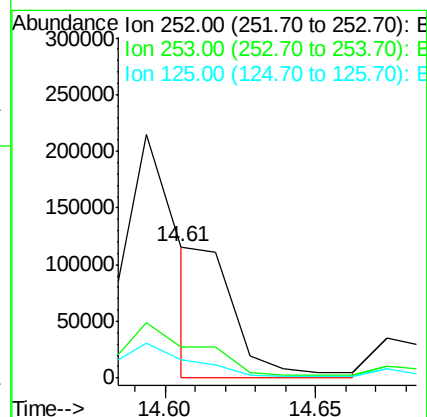
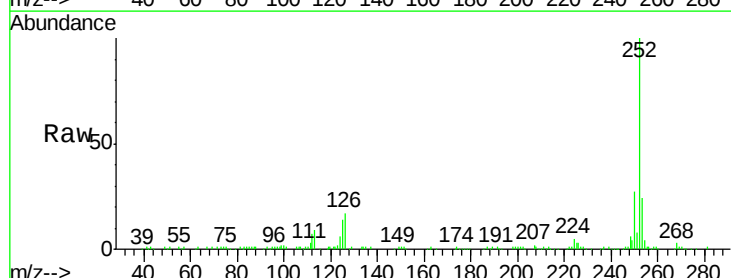
Delta R.T. -0.03 min

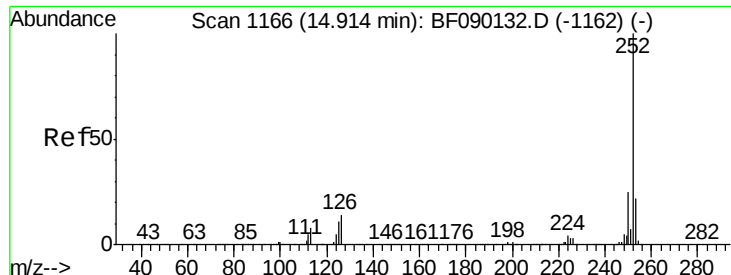
Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

Tgt Ion:252 Resp: 101660

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	13.8	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 :

FHSW-04-SOUTHSIDEDL

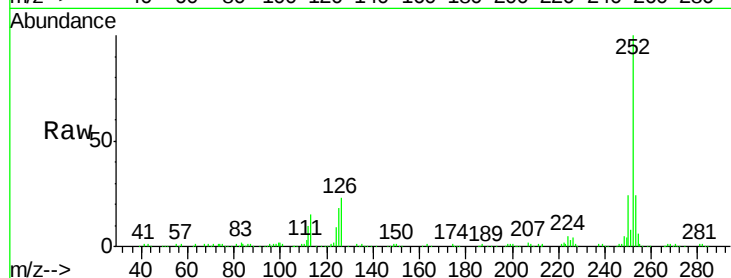
Tot Ion:252 Resp: 195402

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

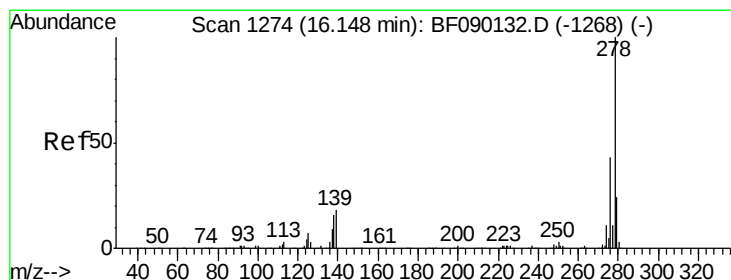
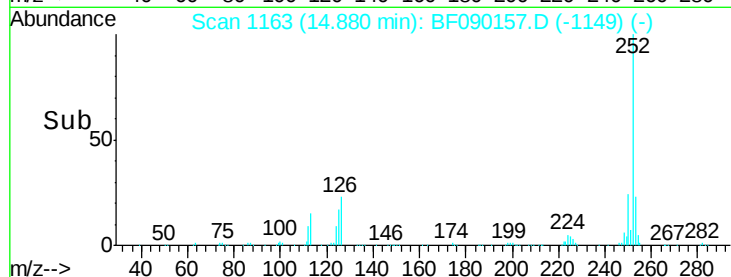
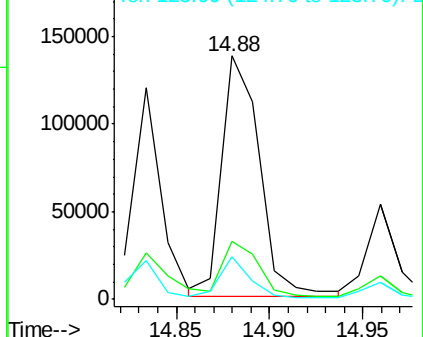
125 17.6 7.7 11.5#



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: 2.13 ng m

RT: 16.10 min Scan# 1270

Delta R.T. -0.05 min

Lab File: BF090157.D

Acq: 21 Sep 2016 13:07

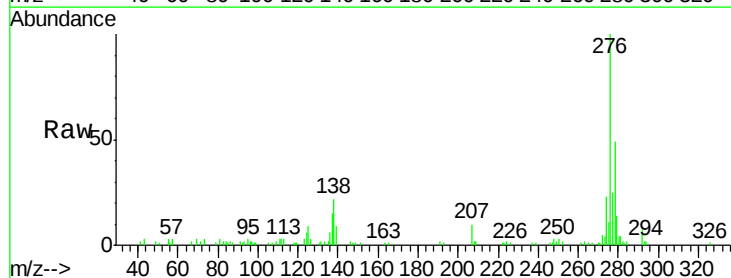
Tgt Ion:278 Resp: 29422

Ion Ratio Lower Upper

278 100

139 18.7 14.6 21.8

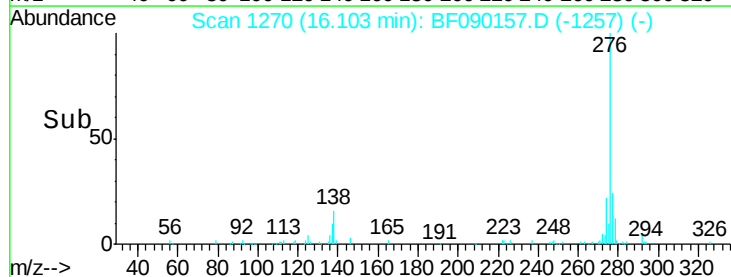
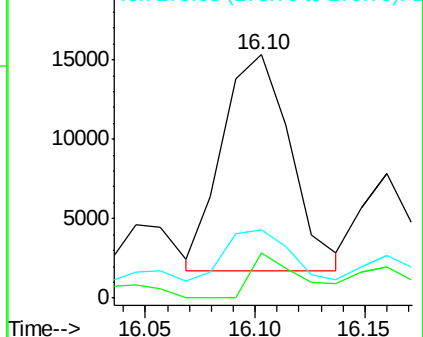
279 27.9 18.8 28.2

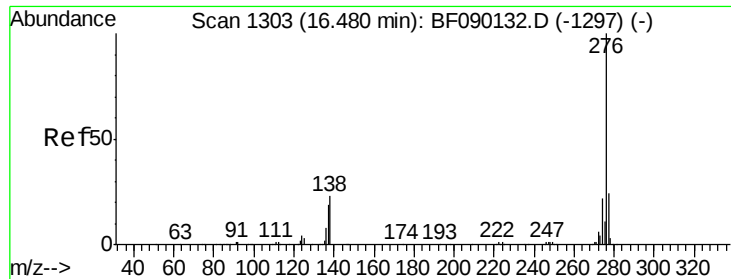


Abundance Ion 278.00 (277.70 to 278.70): E

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 :

FHSW-04-SOUTHSIDEDL

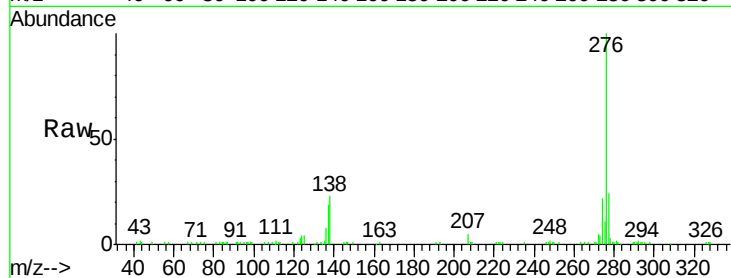
Tot Ion: 276 Resp: 120645

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

