

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092161.D
 Acq On : 10 Jan 2017 1:57
 Operator : UM/SJ
 Sample : I1045-06 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP4

Quant Time: Jan 10 03:35:18 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

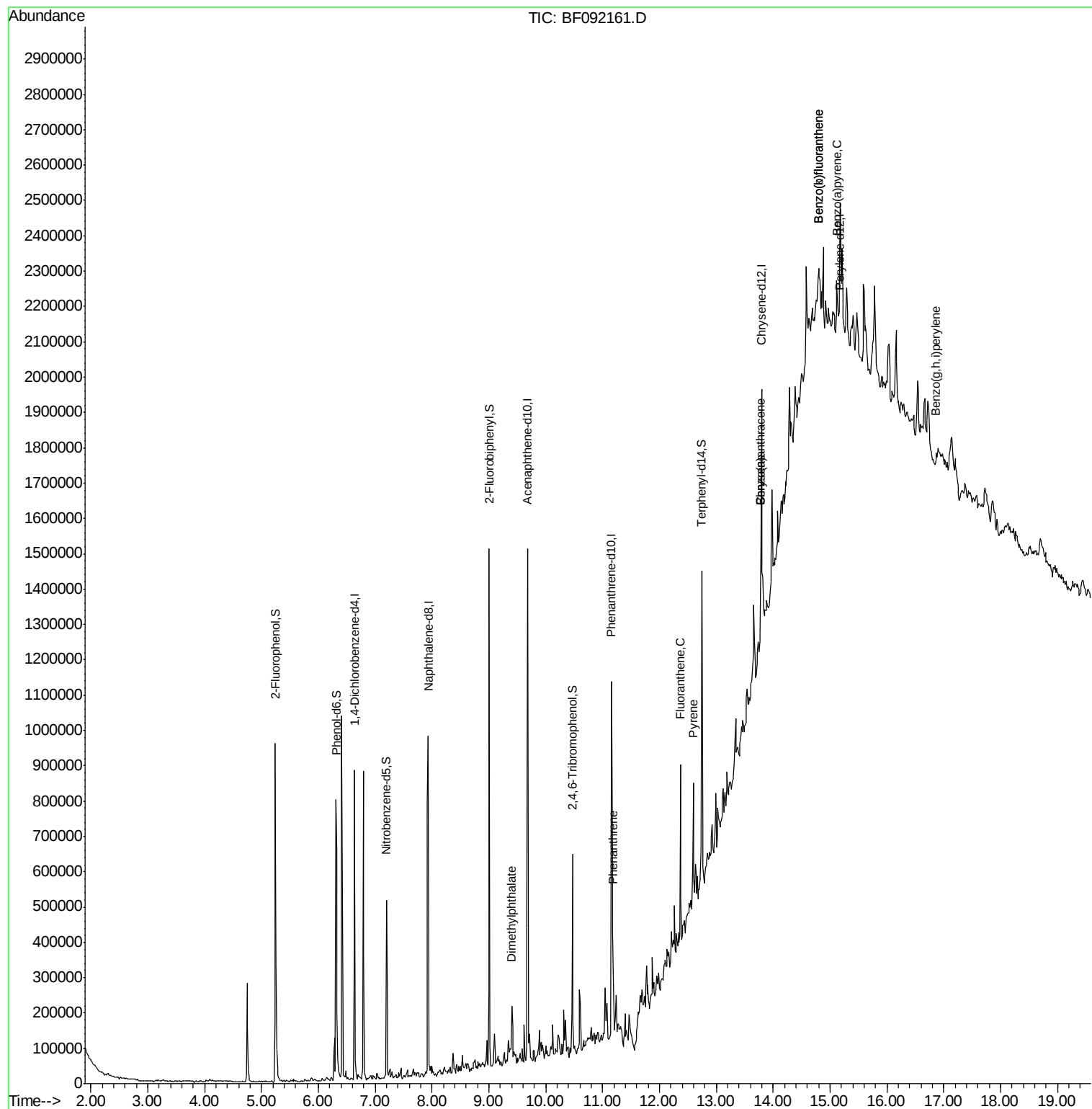
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	155285	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	591601	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	302947	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	437045	20.00	ng	0.00
75) Chrysene-d12	13.80	240	241230	20.00	ng	0.01
86) Perylene-d12	15.18	264	182393	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	337565	36.30	ng	0.01
7) Phenol-d6	6.31	99	433913	38.22	ng	0.00
23) Nitrobenzene-d5	7.20	82	178518	16.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	63014	25.13	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	422398	18.47	ng	0.00
78) Terphenyl-d14	12.75	244	260806	26.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.18	77	260	Below Cal	#	1
37) 2-Methylnaphthalene	8.64	142	4687	Below Cal		96
49) Dimethylphthalate	9.41	163	52548	2.71	ng	99
70) Phenanthrene	11.18	178	125371	5.29	ng	98
73) Di-n-butylphthalate	11.74	149	4203	Below Cal	#	56
74) Fluoranthene	12.37	202	200703	6.37	ng	98
76) Benzydine	12.53	184	930	Below Cal	#	1
77) Pyrene	12.60	202	156198	8.83	ng	98
80) Benzo(a)anthracene	13.79	228	53288	3.91	ng	# 87
82) Chrysene	13.79	228	53288	3.90	ng	# 90
87) Benzo(b)fluoranthene	14.80	252	73727	6.49	ng	# 54
88) Benzo(k)fluoranthene	14.80	252	73727	7.61	ng	# 55
89) Benzo(a)pyrene	15.12	252	33713	3.34	ng	# 28
91) Benzo(g,h,i)perylene	16.86	276	20282	2.35	ng	# 34

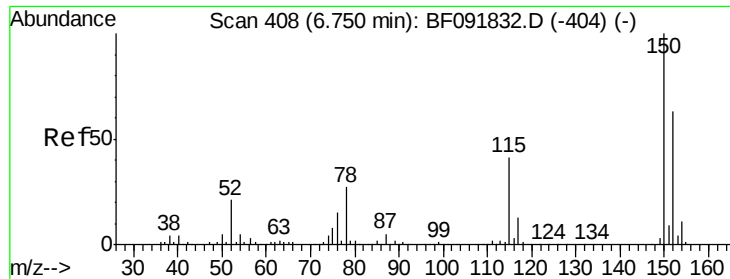
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092161.D
Acq On : 10 Jan 2017 1:57
Operator : UM/SJ
Sample : I1045-06 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAP-SP4

Quant Time: Jan 10 03:35:18 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

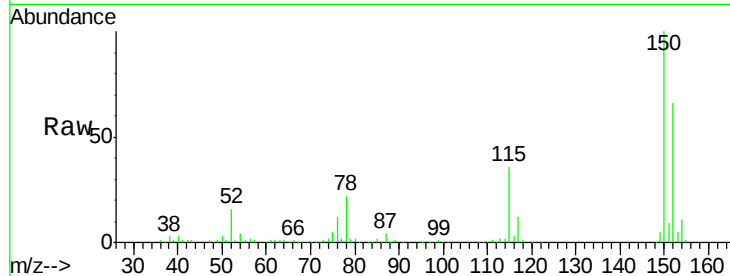
Tgt Ion:152 Resp: 155285

Ion Ratio Lower Upper

152 100

150 151.3 124.9 187.3

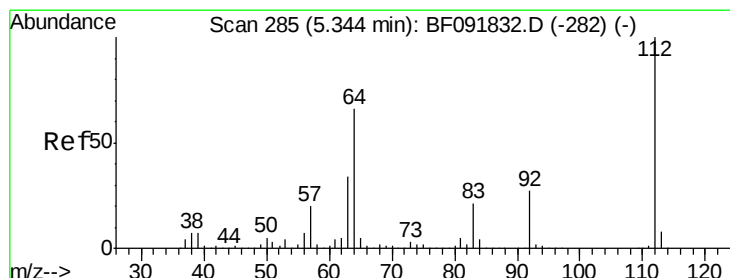
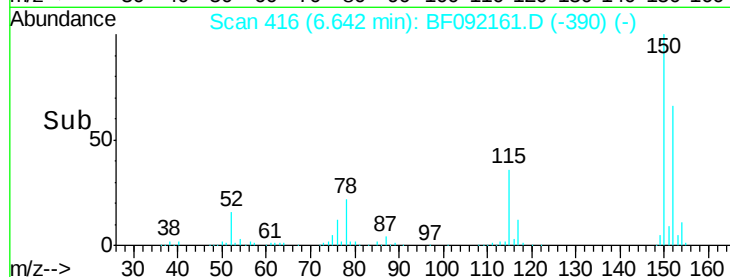
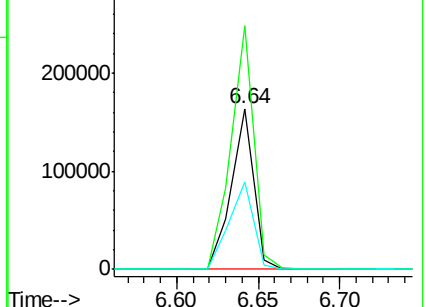
115 54.0 46.0 69.0



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: 36.30 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

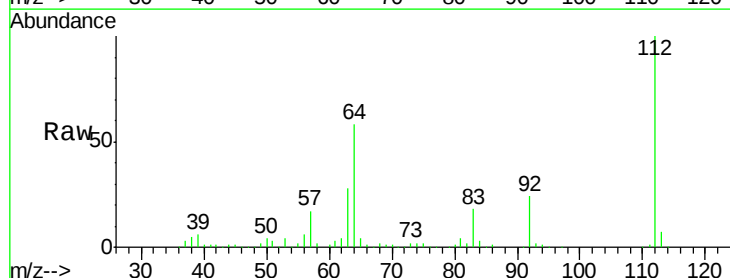
Tgt Ion:112 Resp: 337565

Ion Ratio Lower Upper

112 100

64 57.9 46.1 69.1

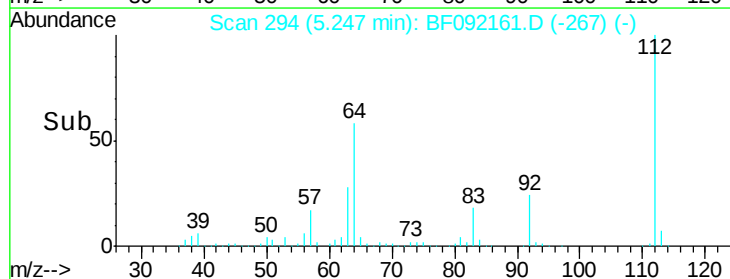
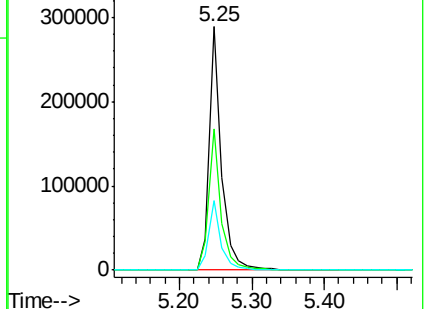
63 28.5 23.8 35.6

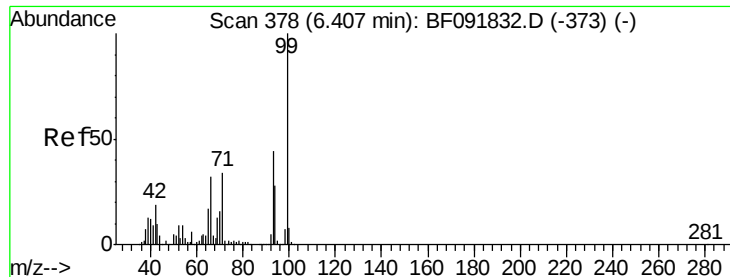


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.22 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

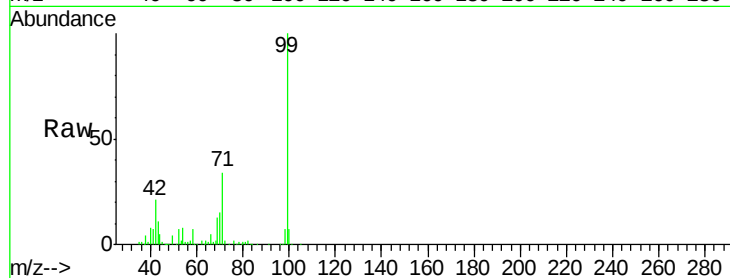
Tgt Ion: 99 Resp: 433913

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

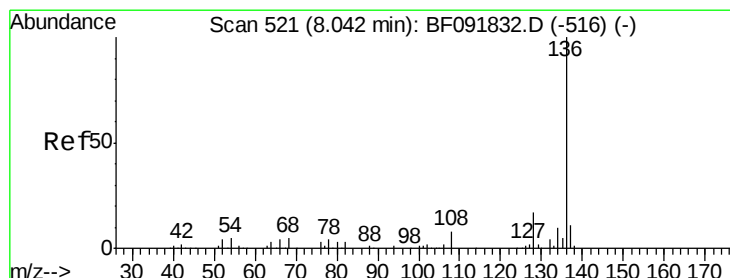
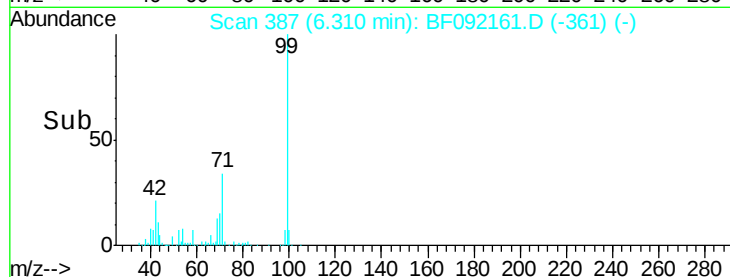
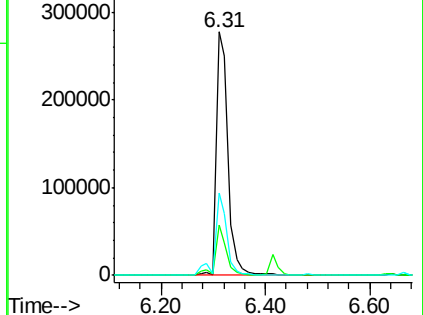
71 33.8 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Tgt Ion: 136 Resp: 591601

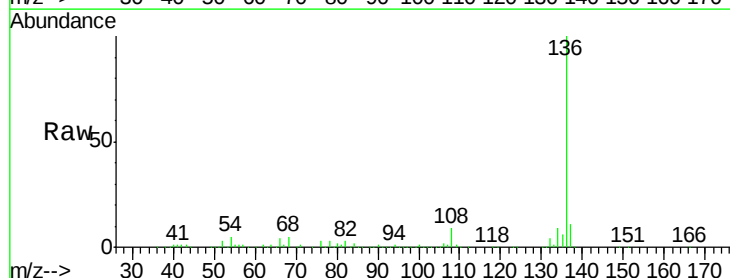
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 5.4 4.5 6.7

68 4.8 3.6 5.4

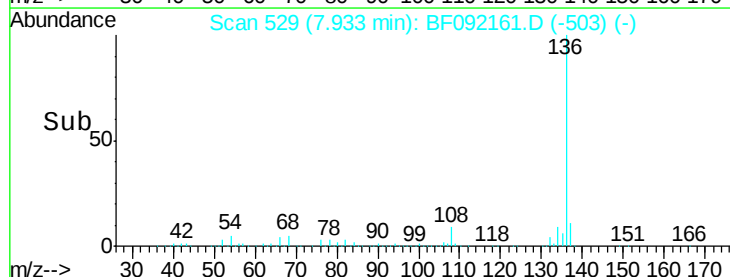
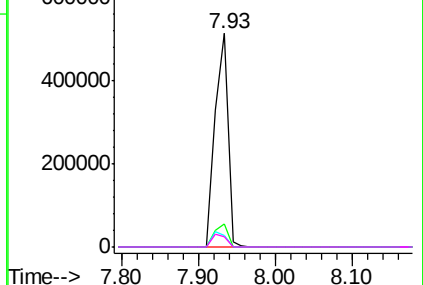


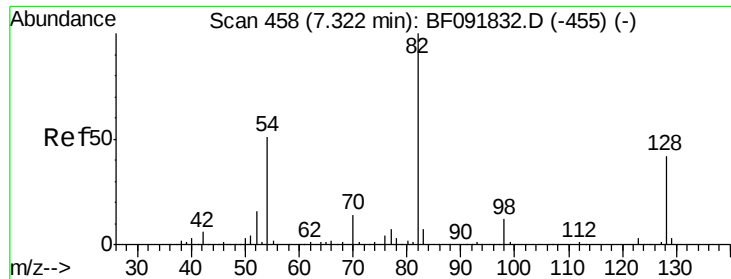
Abundance Ion 136.00 (135.70 to 136.70): E

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

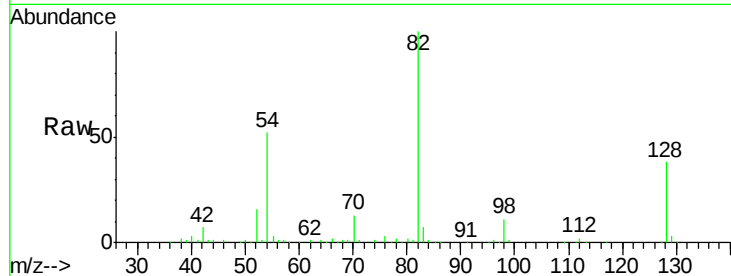




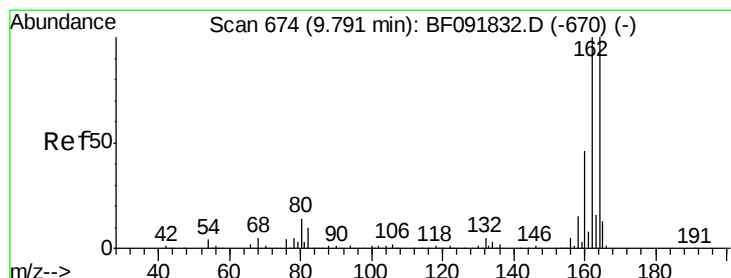
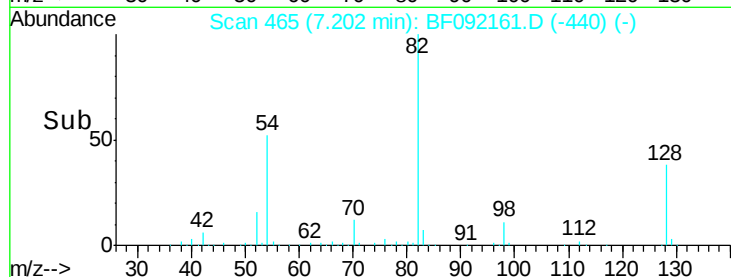
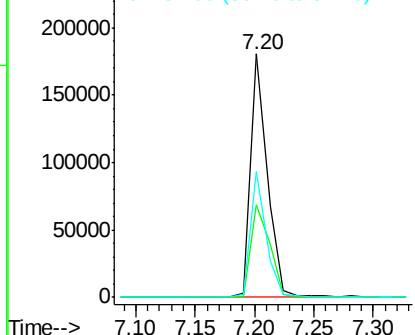
#23
Nitrobenzene-d5
Concen: 16.78 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092161.D
Acq: 10 Jan 2017 1:57

Instrument :
BNA_F
ClientSampleId :
RAP-SP4

Tgt Ion: 82 Resp: 178518
Ion Ratio Lower Upper
82 100
128 38.1 34.6 52.0
54 51.5 39.5 59.3

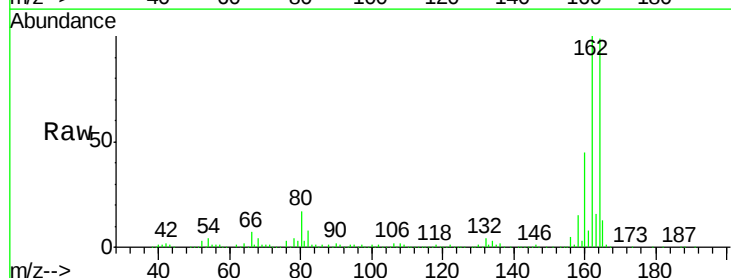


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

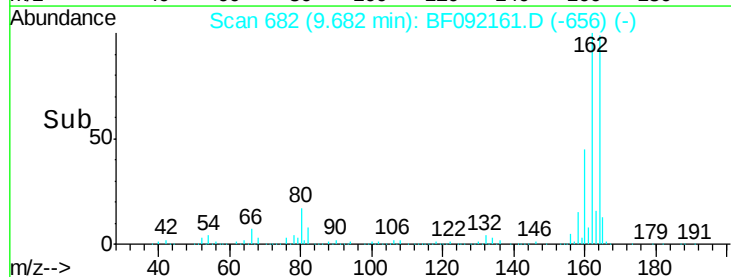
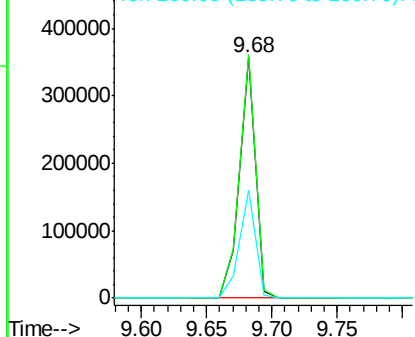


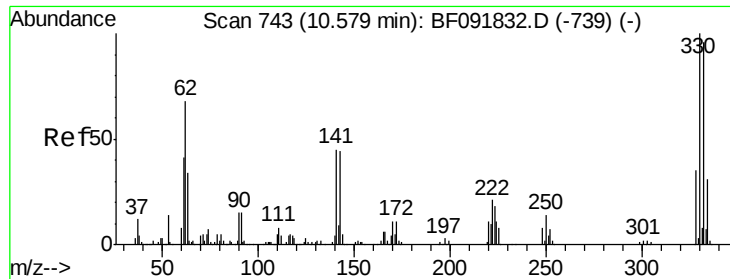
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF092161.D
Acq: 10 Jan 2017 1:57

Tgt Ion: 164 Resp: 302947
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.2
160 45.0 36.9 55.3



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

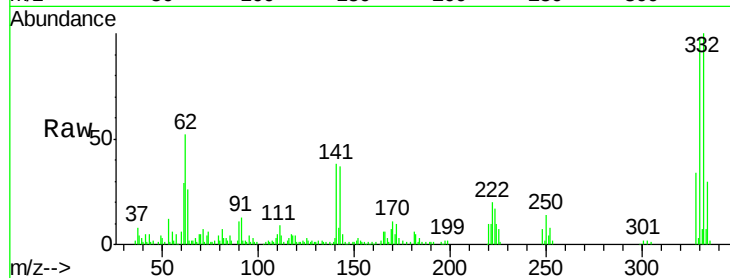




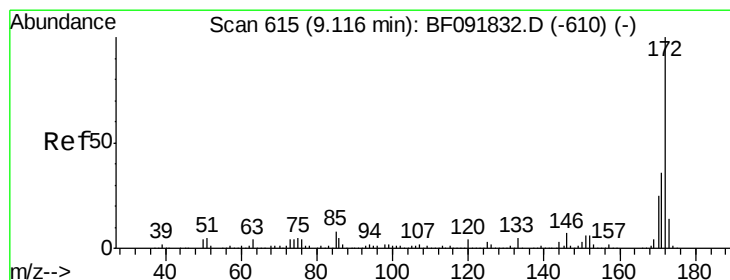
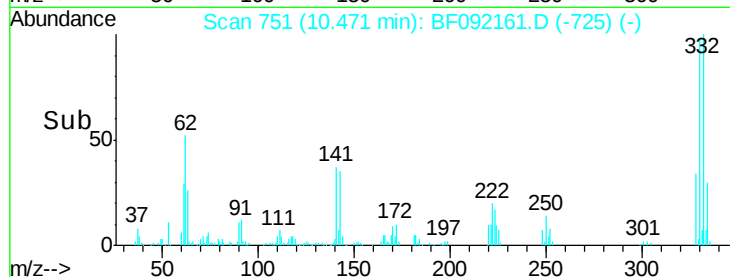
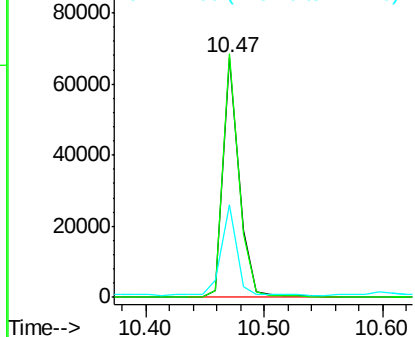
#41
 2,4,6-Tribromophenol
 Concen: 25.13 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092161.D
 Acq: 10 Jan 2017 1:57

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP4

Tgt Ion:330 Resp: 63014
 Ion Ratio Lower Upper
 330 100
 332 99.2 77.4 116.2
 141 38.4 34.1 51.1

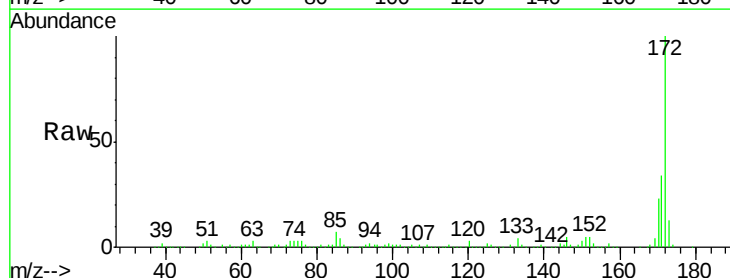


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

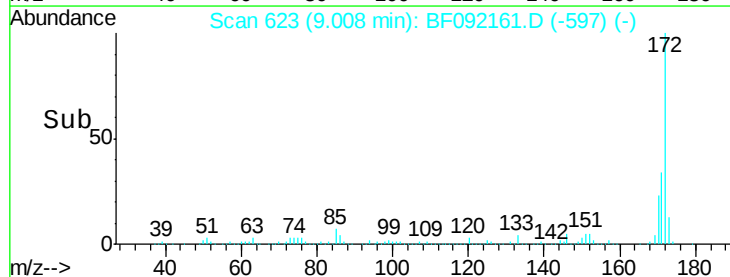
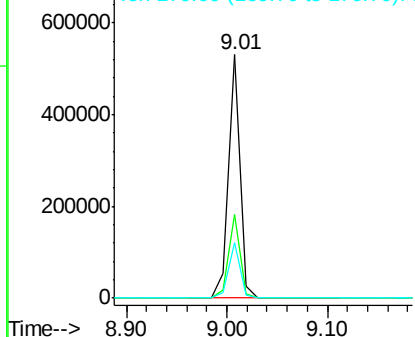


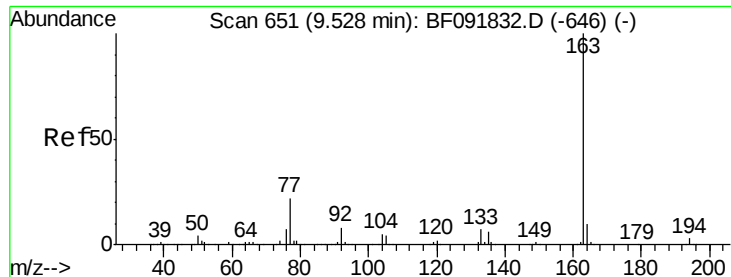
#44
 2-Fluorobiphenyl
 Concen: 18.47 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092161.D
 Acq: 10 Jan 2017 1:57

Tgt Ion:172 Resp: 422398
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.4 44.0
 170 23.0 20.2 30.4



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

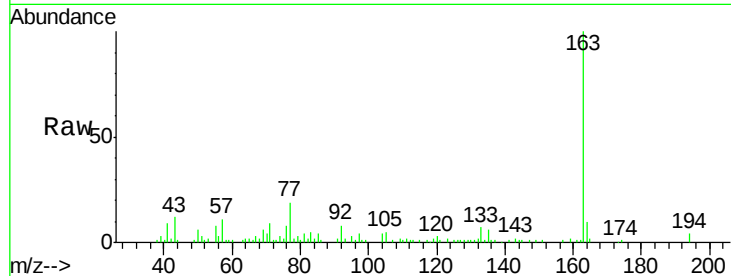




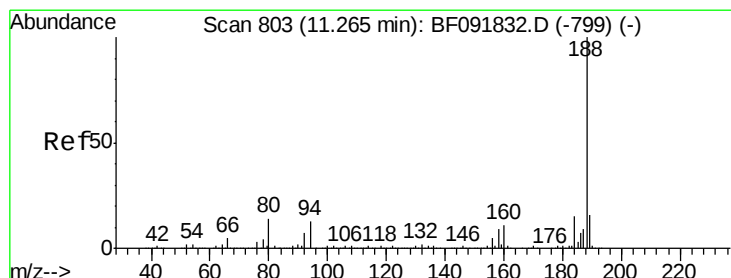
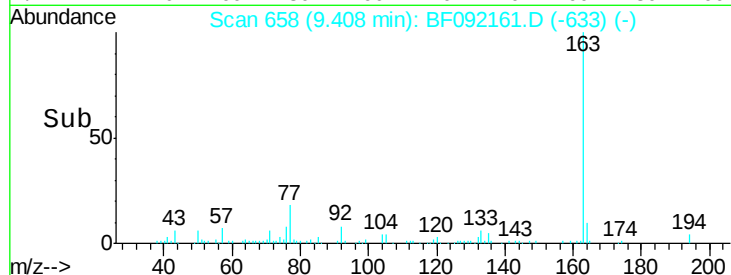
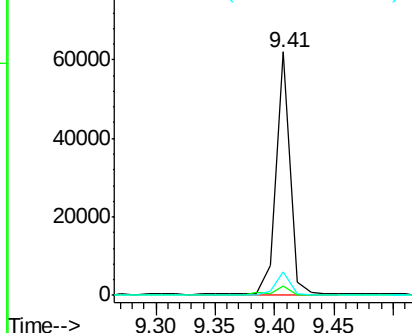
#49
Dimethylphthalate
Concen: 2.71 ng
RT: 9.41 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF092161.D
Acq: 10 Jan 2017 1:57

Instrument :
BNA_F
ClientSampleId :
RAP-SP4

Tgt Ion:163 Resp: 52548
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.6 8.0 12.0

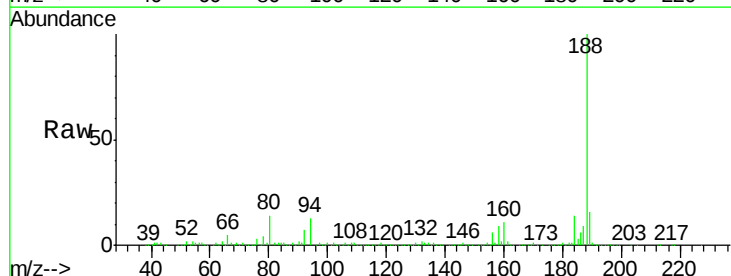


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

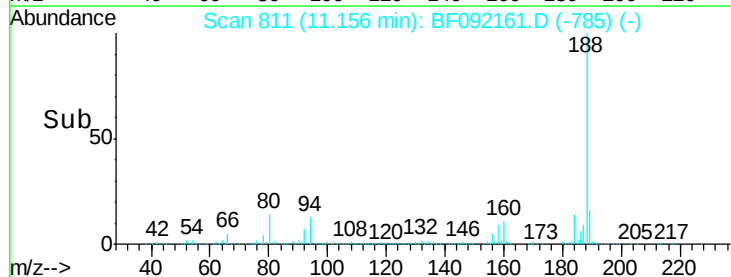
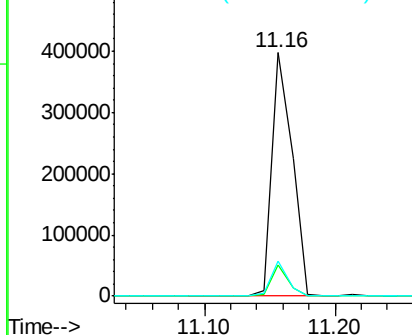


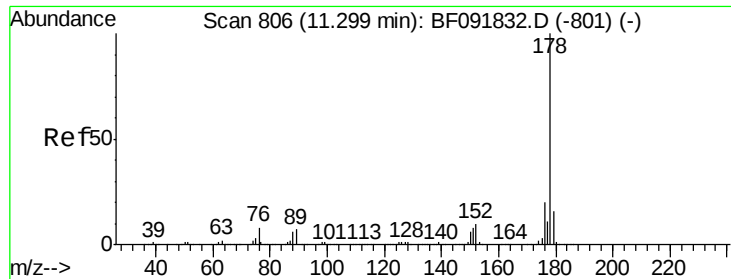
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF092161.D
Acq: 10 Jan 2017 1:57

Tgt Ion:188 Resp: 437045
Ion Ratio Lower Upper
188 100
94 12.6 10.0 15.0
80 14.2 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: 5.29 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

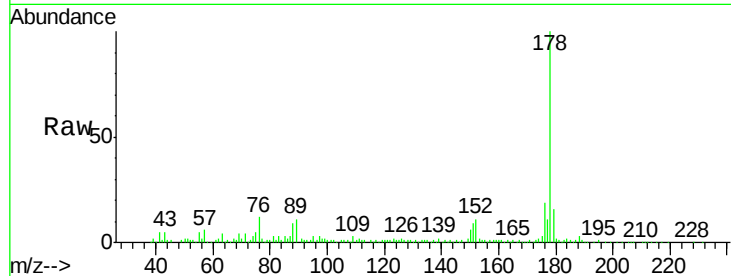
Tgt Ion:178 Resp: 125371

Ion Ratio Lower Upper

178 100

176 19.1 16.6 25.0

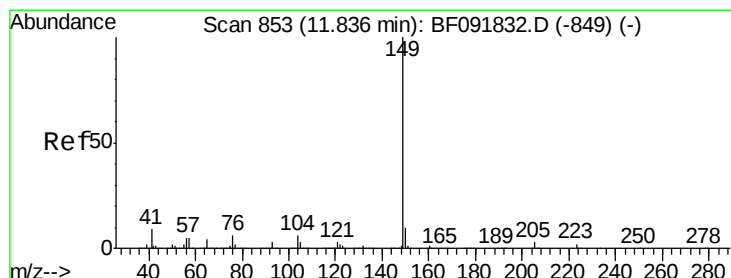
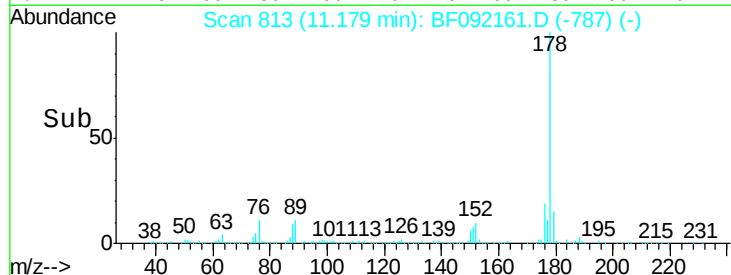
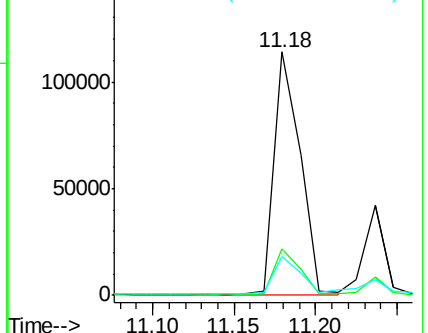
179 15.9 12.8 19.2



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.74 min Scan# 862

Delta R.T. 0.01 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

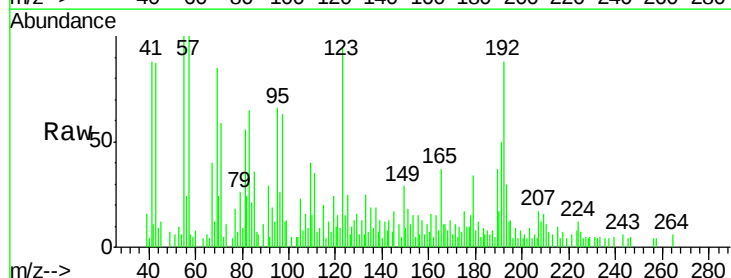
Tgt Ion:149 Resp: 4203

Ion Ratio Lower Upper

149 100

150 29.7 8.1 12.1#

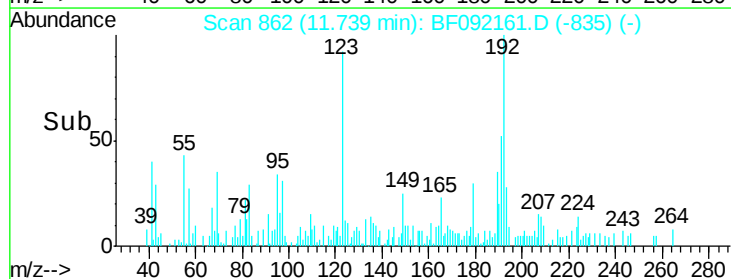
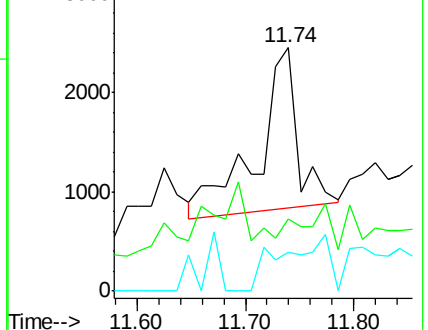
104 15.7 4.6 7.0#

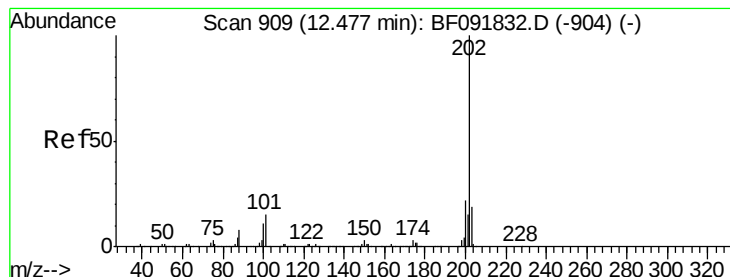


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 6.37 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

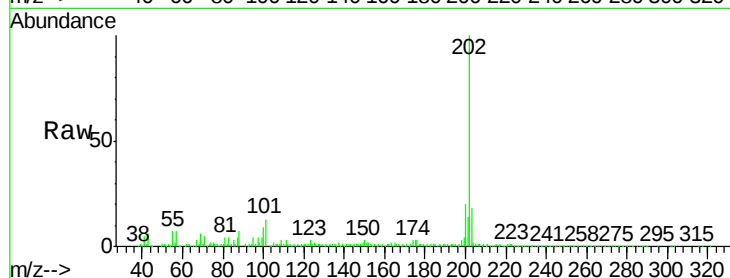
Tgt Ion: 202 Resp: 200703

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.6

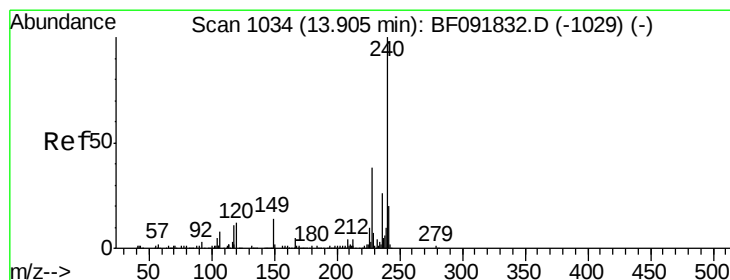
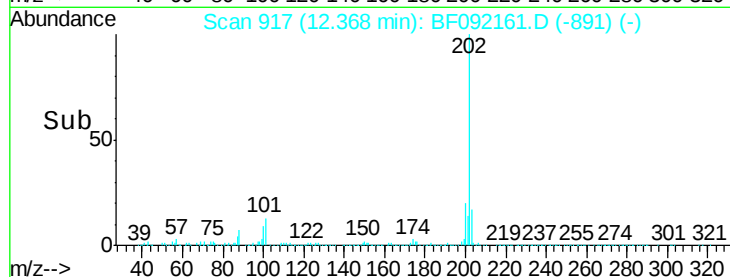
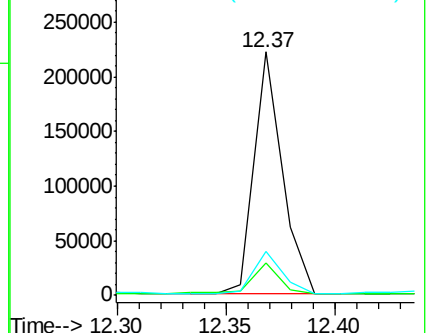
203 17.8 0.0 38.7



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: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

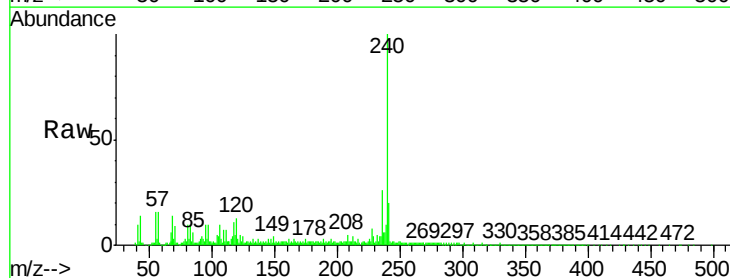
Tgt Ion: 240 Resp: 241230

Ion Ratio Lower Upper

240 100

120 13.4 12.9 19.3

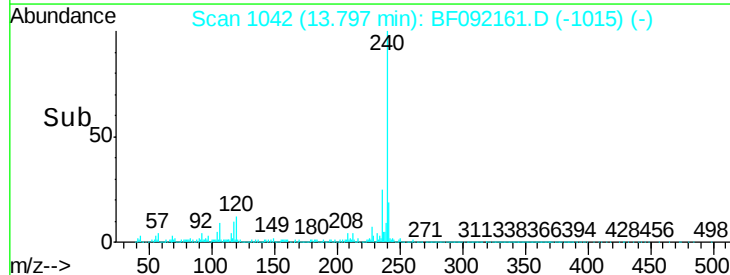
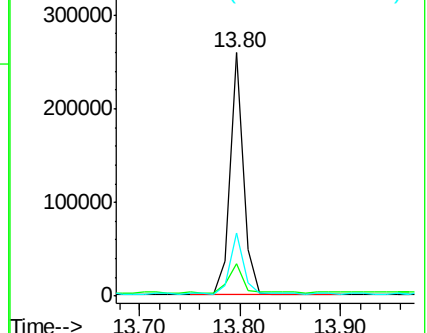
236 26.1 20.9 31.3

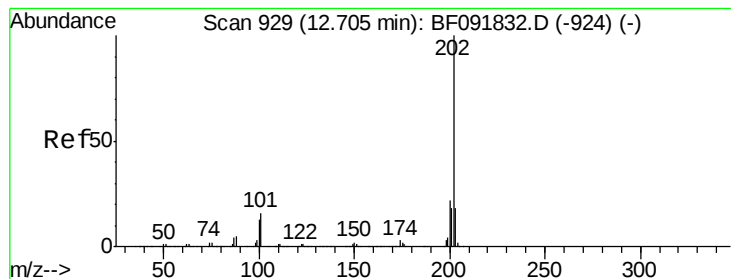


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.83 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

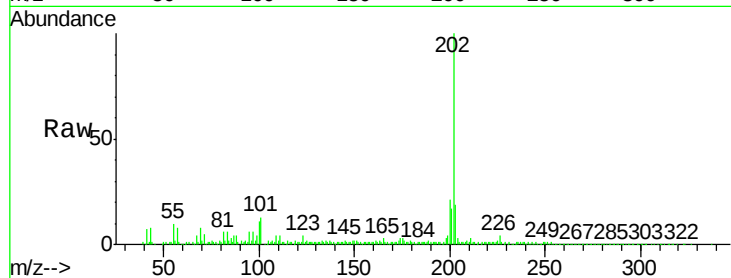
Tgt Ion:202 Resp: 156198

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

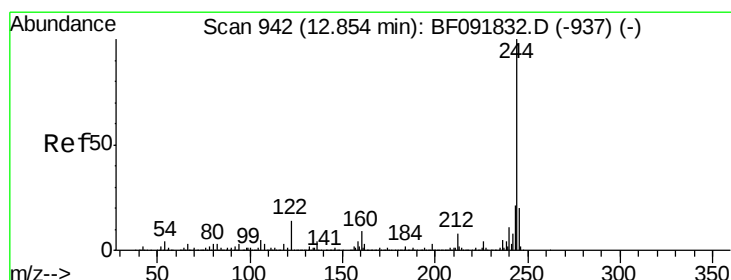
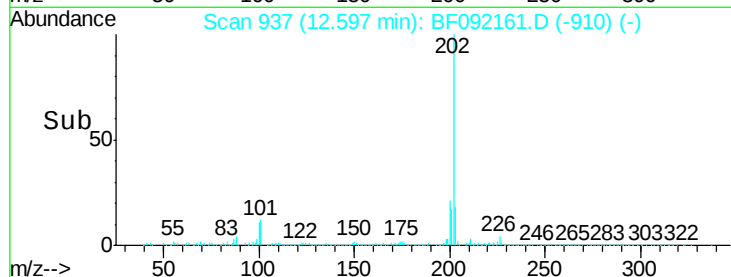
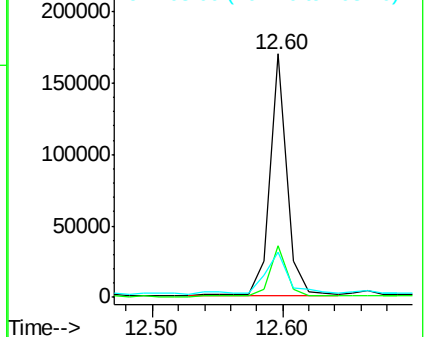
203 18.6 14.7 22.1



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: 26.22 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

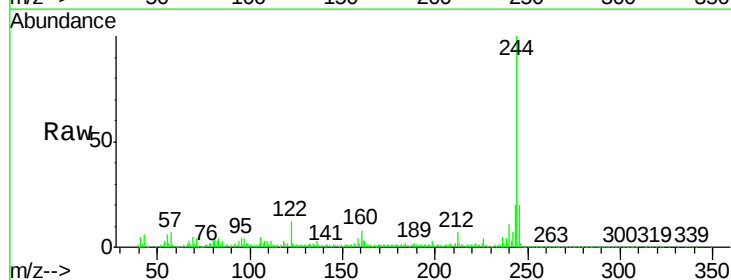
Tgt Ion:244 Resp: 260806

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

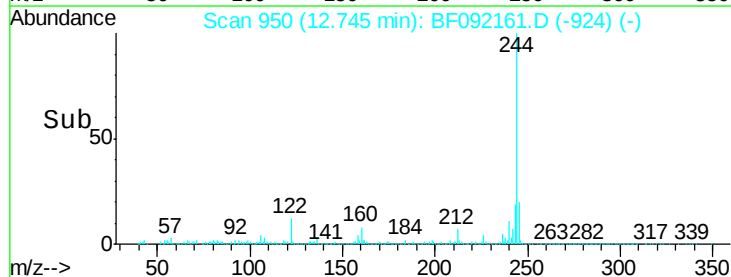
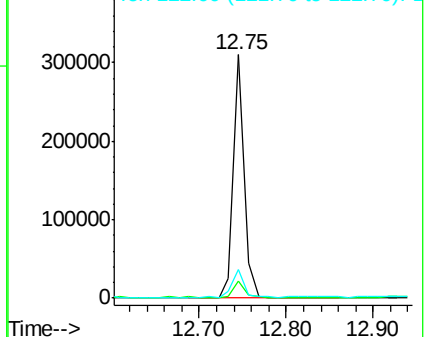
122 12.0 11.4 17.2

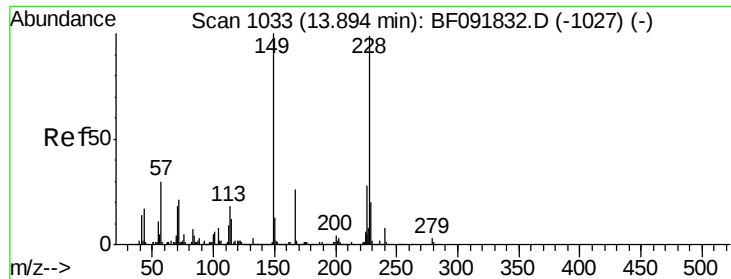


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.91 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

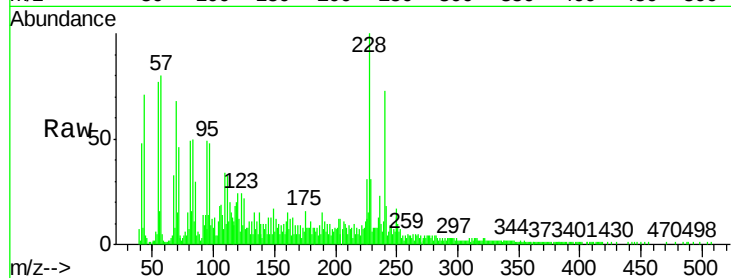
Tgt Ion:228 Resp: 53288

Ion Ratio Lower Upper

228 100

226 31.1 22.4 33.6

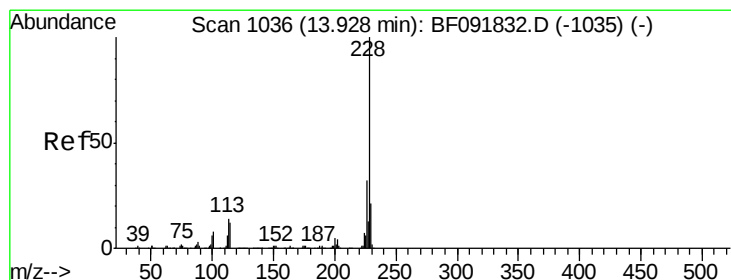
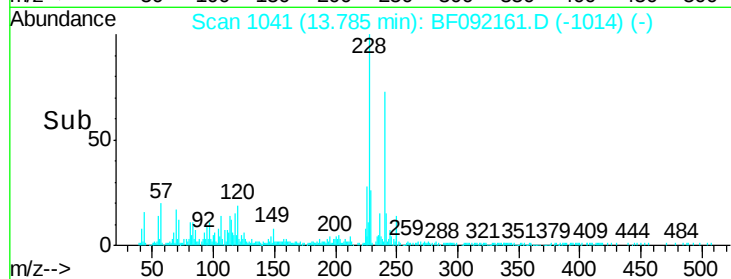
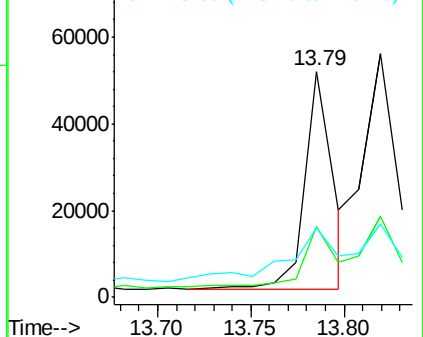
229 30.8 16.2 24.4#



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



#82

Chrysene

Concen: 3.90 ng

RT: 13.79 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

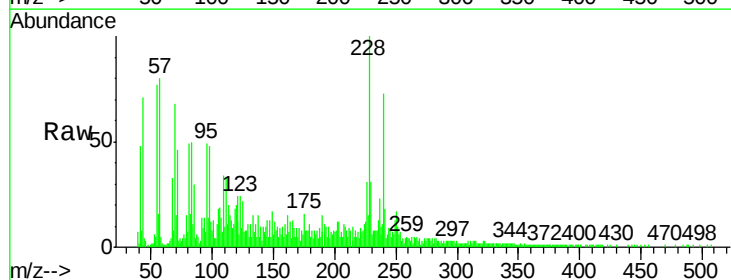
Tgt Ion:228 Resp: 53288

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

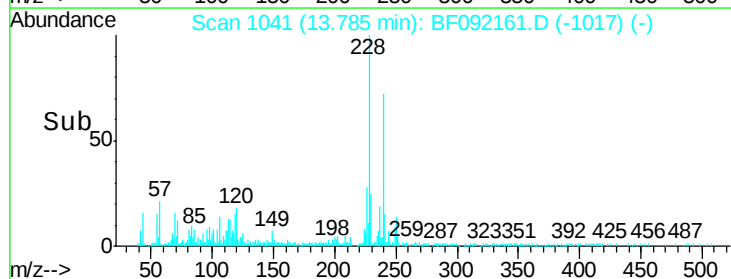
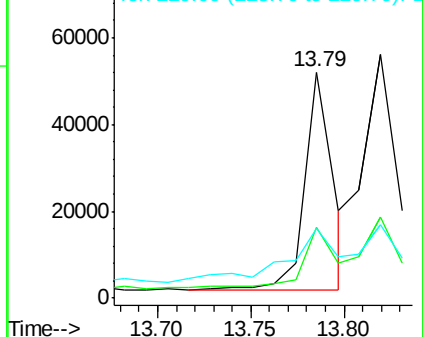
229 30.8 16.2 24.2#

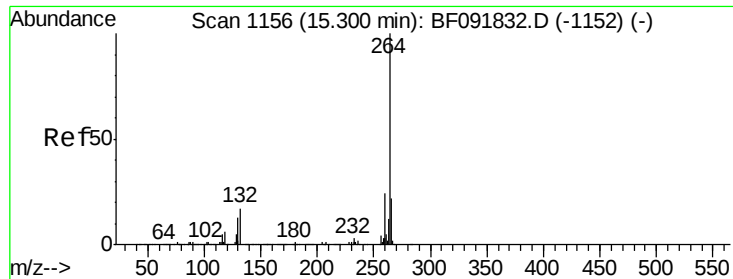


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



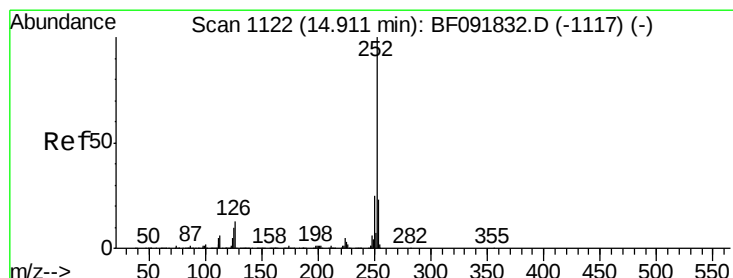
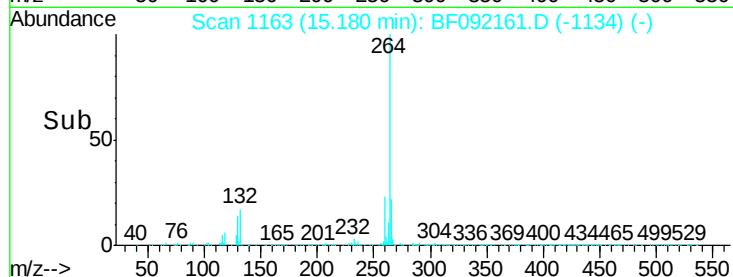
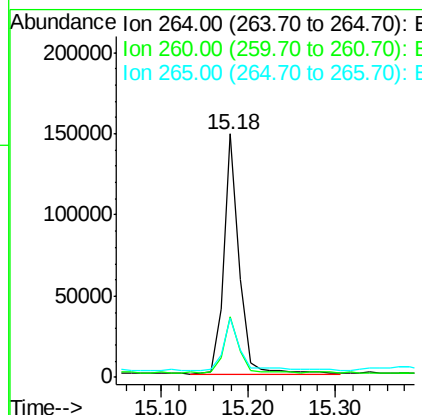
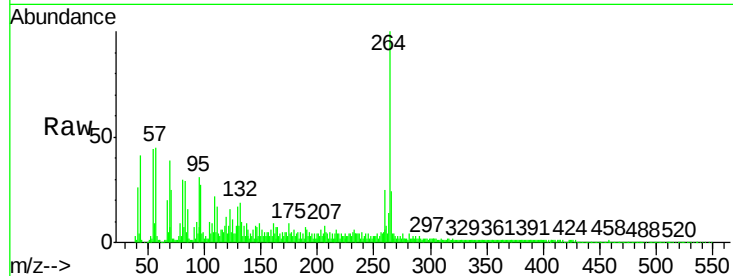


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092161.D
Acq: 10 Jan 2017 1:57

Instrument :
BNA_F
ClientSampleId :
RAP-SP4

Tgt Ion: 264 Resp: 182393

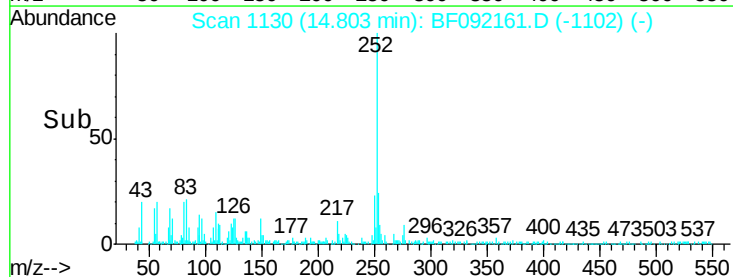
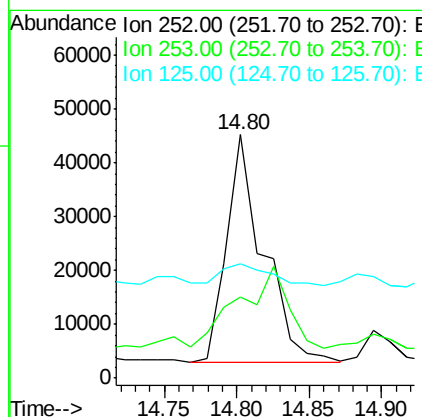
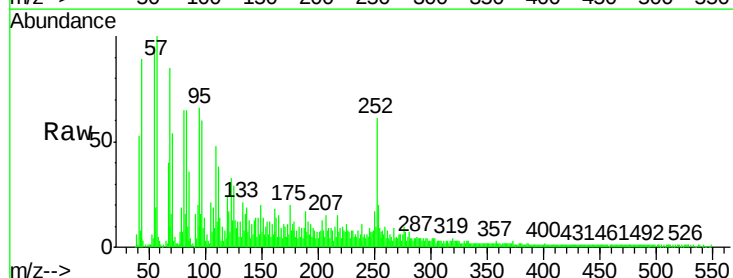
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	24.5	17.4	26.0

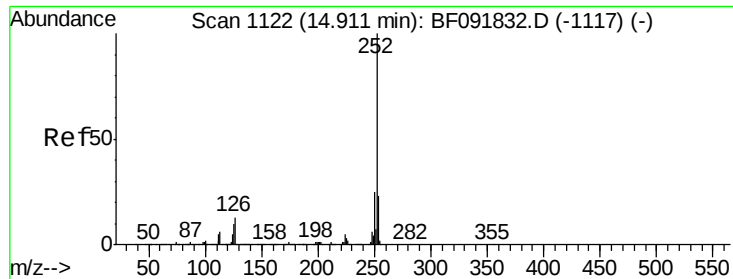


#87
Benzo(b)fluoranthene
Concen: 6.49 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092161.D
Acq: 10 Jan 2017 1:57

Tgt Ion: 252 Resp: 73727

Ion	Ratio	Lower	Upper
252	100		
253	33.5	18.2	27.4#
125	47.1	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 7.61 ng

RT: 14.80 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

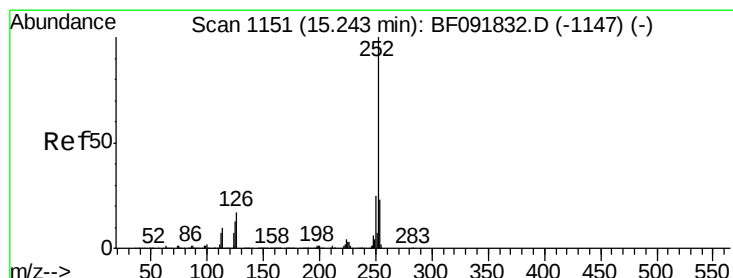
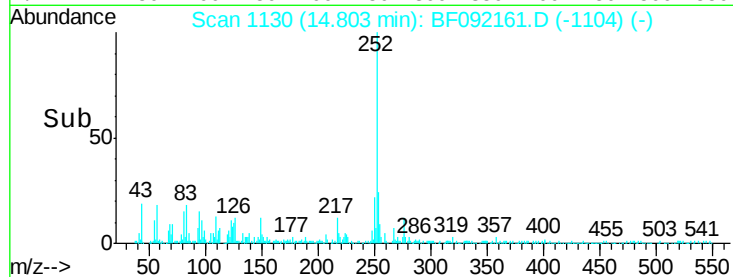
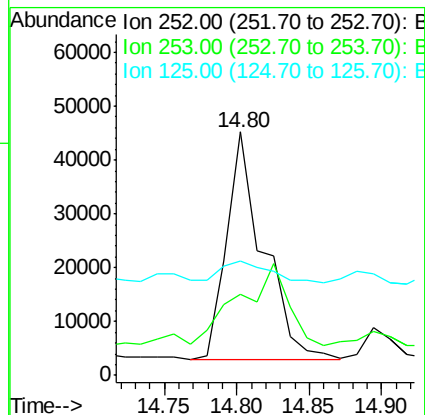
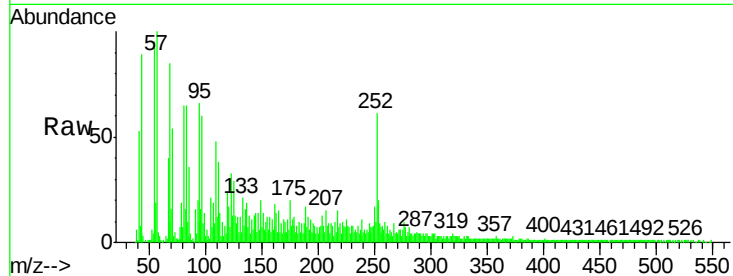
Tgt Ion:252 Resp: 73727

Ion Ratio Lower Upper

252 100

253 33.5 18.5 27.7#

125 47.1 8.9 13.3#



#89

Benzo(a)pyrene

Concen: 3.34 ng

RT: 15.12 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

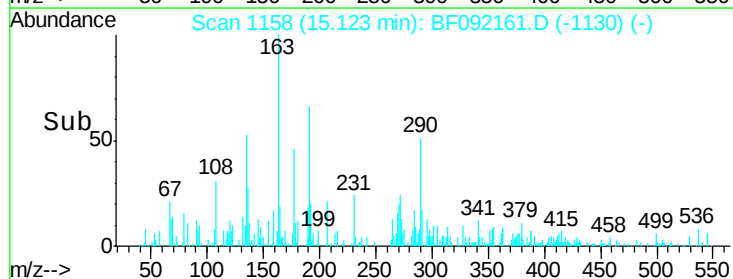
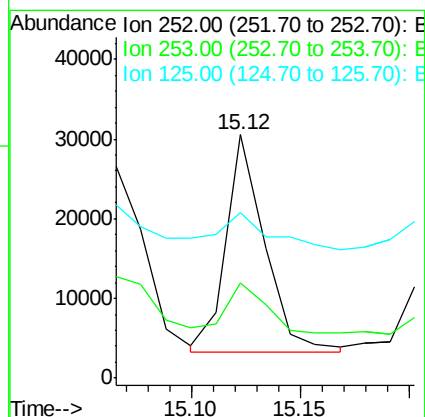
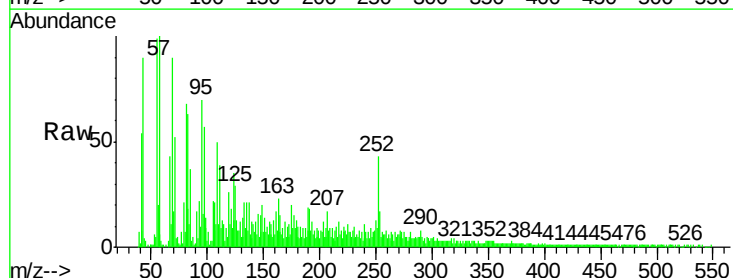
Tgt Ion:252 Resp: 33713

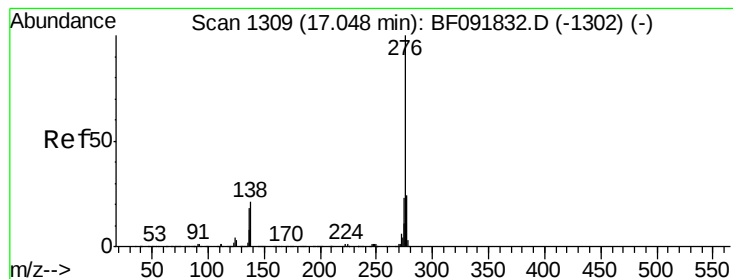
Ion Ratio Lower Upper

252 100

253 39.2 18.2 27.2#

125 67.9 10.0 15.0#





#91

Benzo(g,h,i)perylene

Concen: 2.35 ng

RT: 16.86 min Scan# 1310

Delta R.T. 0.06 min

Lab File: BF092161.D

Acq: 10 Jan 2017 1:57

Instrument :

BNA_F

ClientSampleId :

RAP-SP4

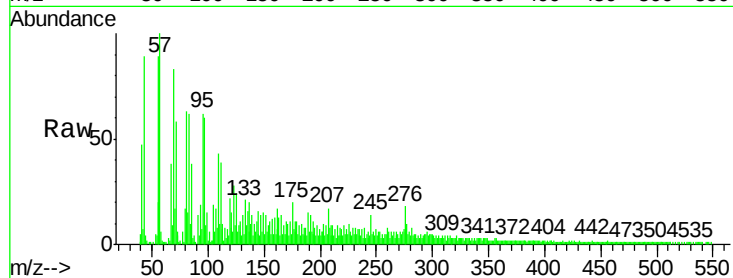
Tgt Ion: 276 Resp: 20282

Ion Ratio Lower Upper

276 100

277 53.5 19.2 28.8#

138 53.9 16.0 24.0#



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

