

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092186.D
 Acq On : 10 Jan 2017 17:10
 Operator : UM/SJ
 Sample : I1057-06RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP8RE

Quant Time: Jan 11 00:03:13 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

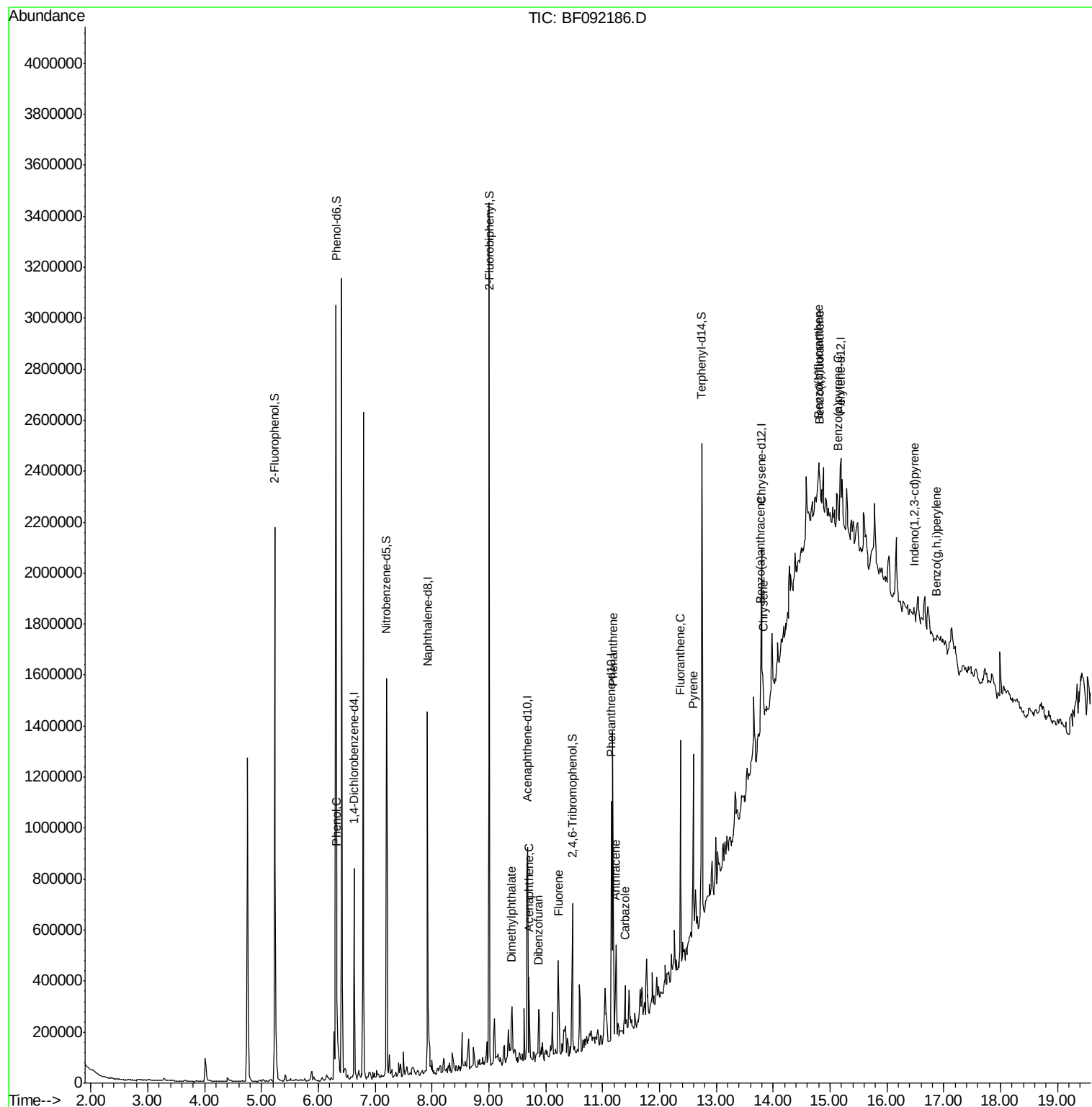
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	148031	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	568612	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	253266	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	368087	20.00	ng	0.00
75) Chrysene-d12	13.80	240	215594	20.00	ng	0.01
86) Perylene-d12	15.19	264	144221	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	705684	79.60	ng	0.00
7) Phenol-d6	6.31	99	1163953	107.53	ng	0.00
23) Nitrobenzene-d5	7.20	82	595744	58.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	72870	34.77	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1102184	89.91	ng	0.00
78) Terphenyl-d14	12.74	244	661977	74.47	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.32	94	65934	5.35	ng	83
49) Dimethylphthalate	9.41	163	77806	4.80	ng	100
51) Acenaphthene	9.70	154	79907	5.58	ng	99
54) Dibenzofuran	9.88	168	76854	3.97	ng	96
57) Fluorene	10.22	166	119859	8.52	ng	98
70) Phenanthrene	11.18	178	513362	25.72	ng	98
71) Anthracene	11.24	178	158681	6.52	ng	97
72) Carbazole	11.40	167	61213	2.72	ng	98
74) Fluoranthene	12.37	202	396629	20.57	ng	98
77) Pyrene	12.60	202	314046	19.85	ng	98
80) Benzo(a)anthracene	13.79	228	112835	9.27	ng	# 93
82) Chrysene	13.82	228	83712m	6.86	ng	
85) Indeno(1,2,3-cd)pyrene	16.48	276	26107	2.47	ng	96
87) Benzo(b)fluoranthene	14.80	252	75833m	8.45	ng	
88) Benzo(k)fluoranthene	14.81	252	33964m	4.44	ng	
89) Benzo(a)pyrene	15.13	252	46738	5.86	ng	# 38
91) Benzo(a,h,i)perylene	16.87	276	27143	3.98	ng	# 56

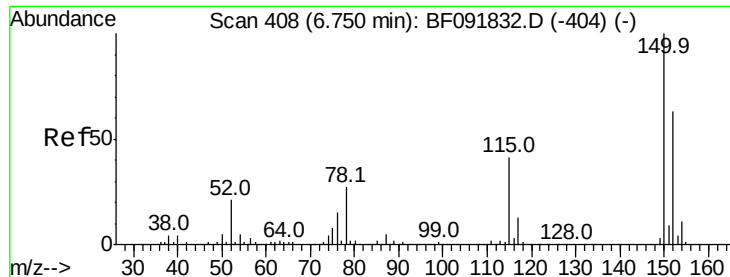
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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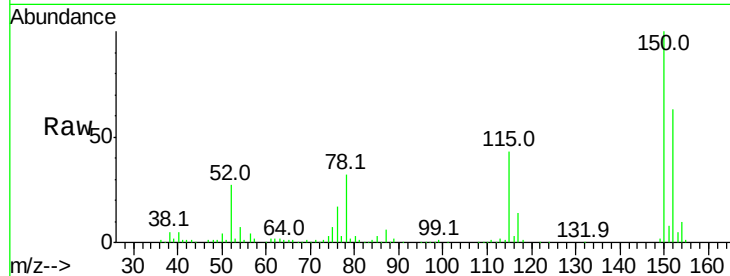


#1

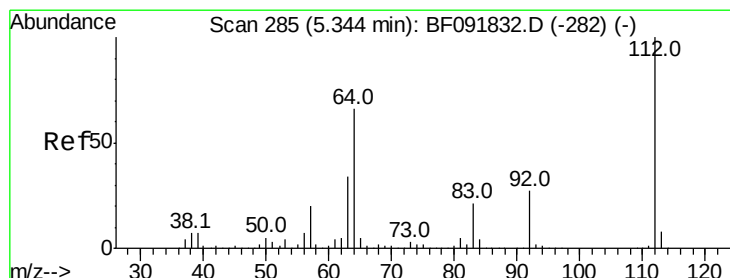
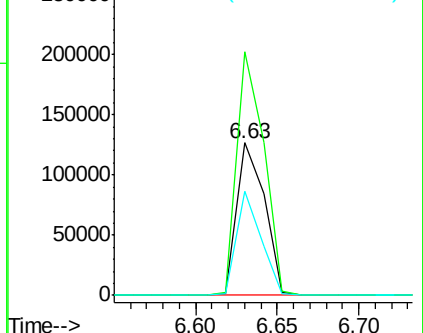
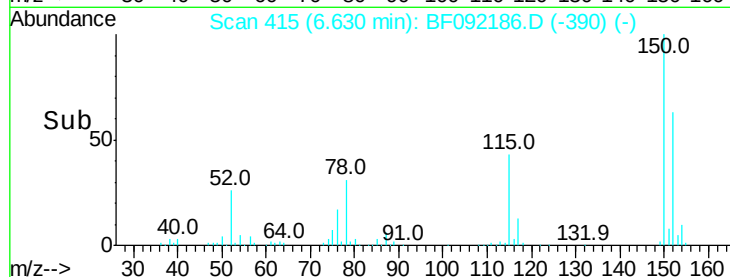
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

Instrument :
BNA_F
ClientSampled :
P3-SP8RE

Tot Ion:152 Resp: 148031
Ion Ratio Lower Upper
152 100
150 159.9 124.9 187.3
115 68.7 46.0 69.0



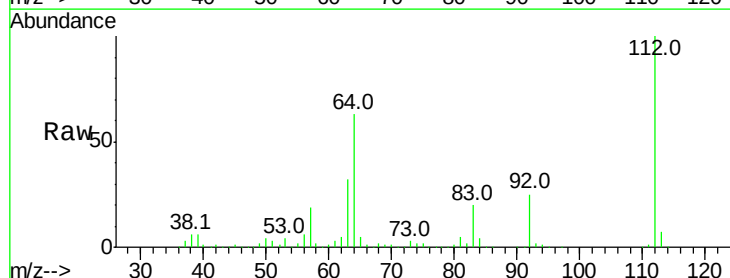
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



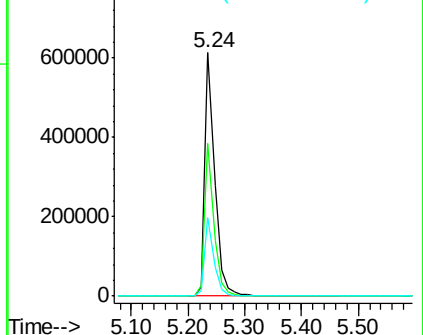
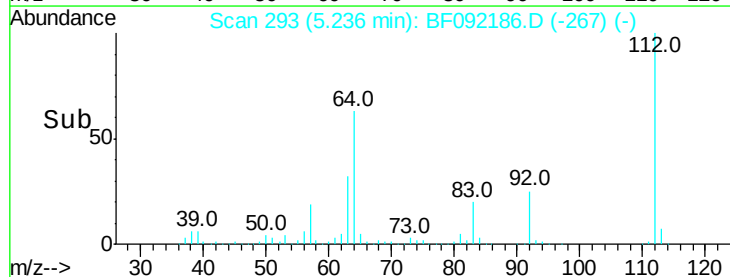
#5

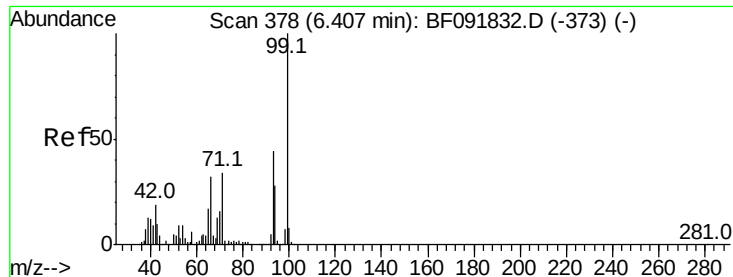
2-Fluorophenol
Concen: 79.60 ng
RT: 5.24 min Scan# 293
Delta R.T. -0.00 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

Tgt Ion:112 Resp: 705684
Ion Ratio Lower Upper
112 100
64 62.6 46.1 69.1
63 32.1 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: 107.53 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

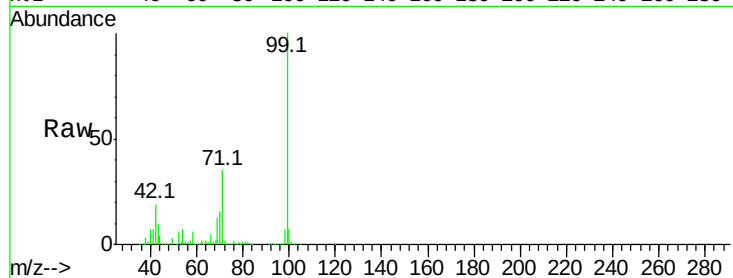
BNA_F

ClientSampleId :

P3-SP8RE

Tot Ion: 99 Resp: 1163953

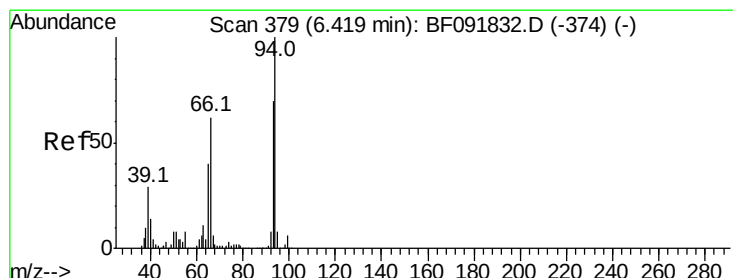
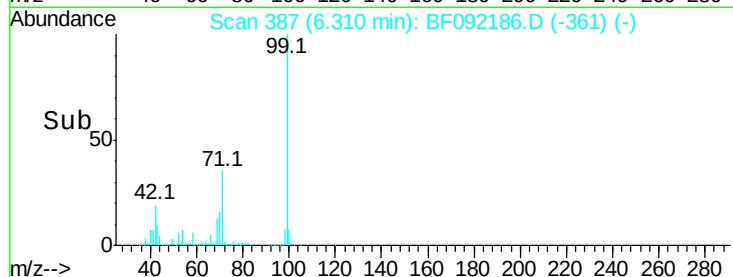
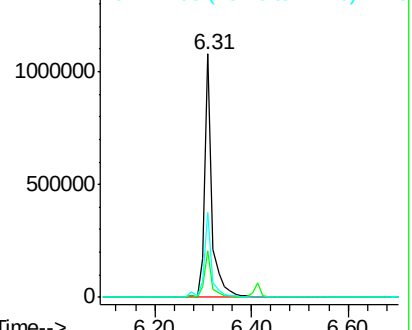
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.6	23.4
71	34.8	27.5	41.3



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



#10

Phenol

Concen: 5.35 ng

RT: 6.32 min Scan# 388

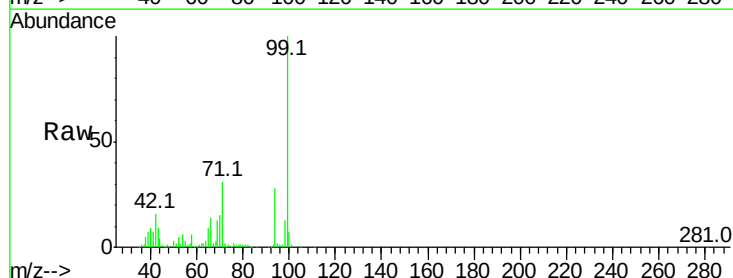
Delta R.T. -0.00 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Tgt Ion: 94 Resp: 65934

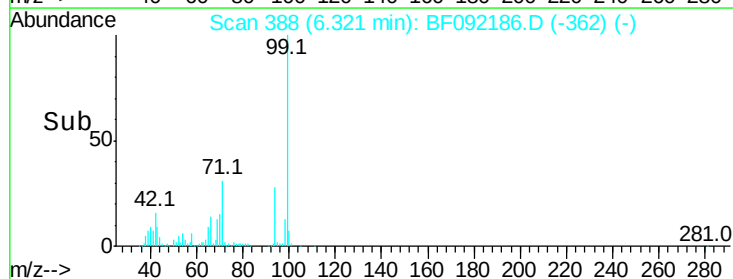
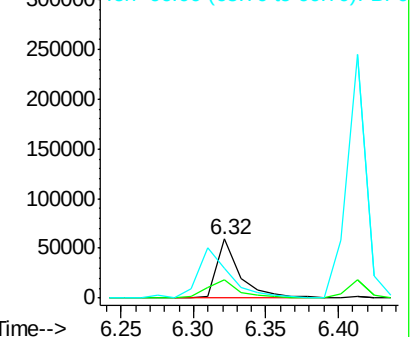
Ion	Ratio	Lower	Upper
94	100		
65	30.6	21.4	61.4
66	50.2	44.0	84.0

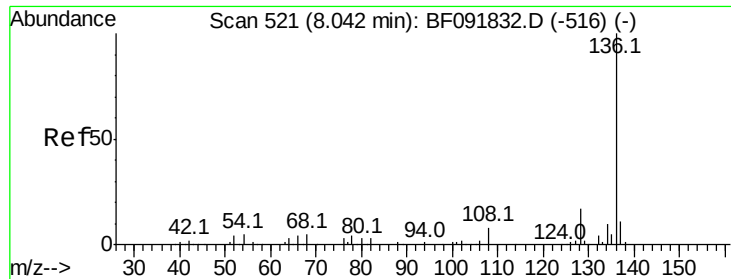


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

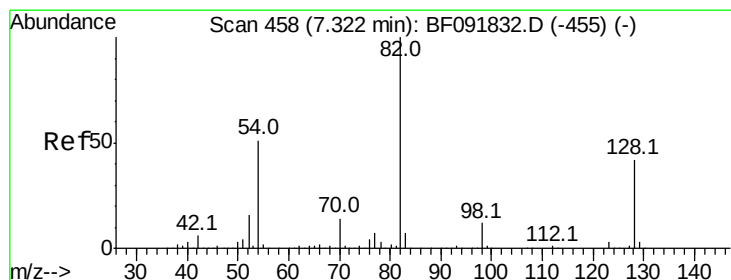
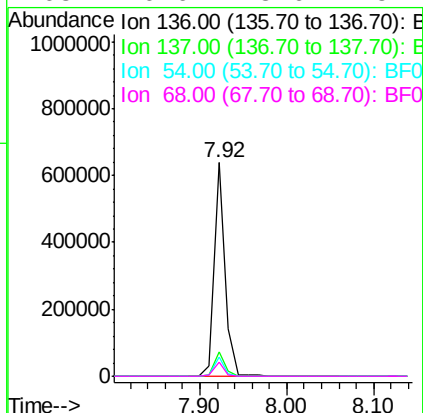
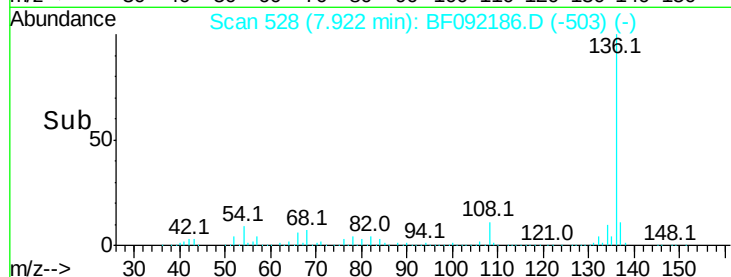
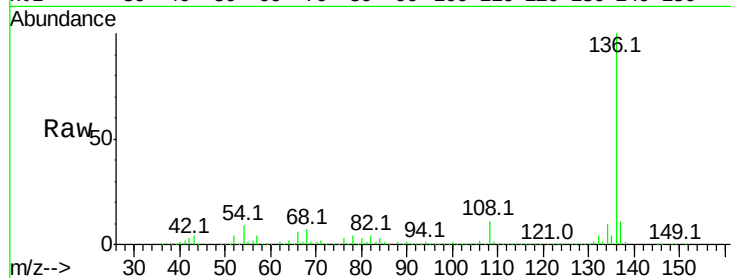




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

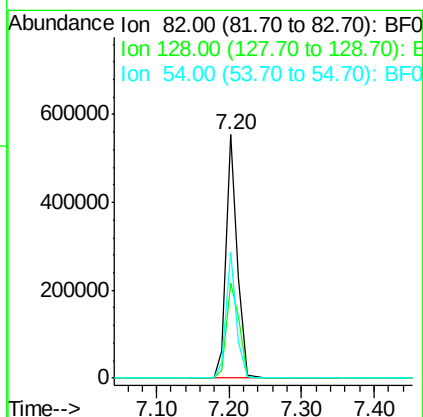
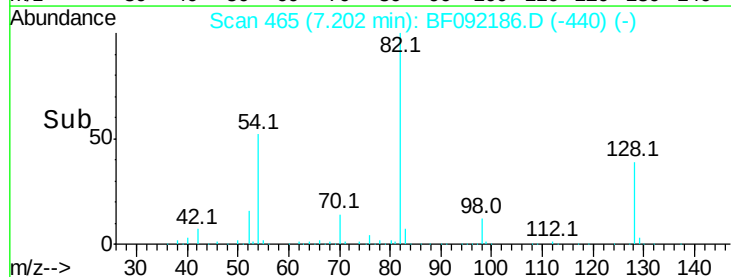
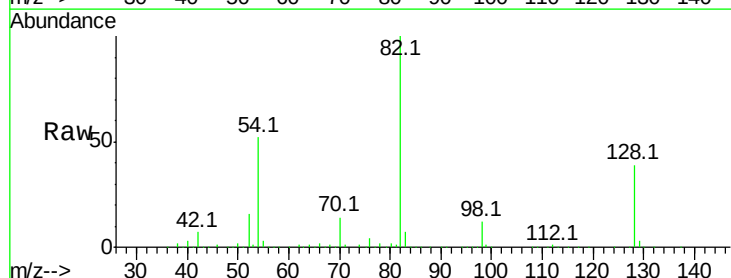
Instrument :
BNA_F
ClientSampleId :
P3-SP8RE

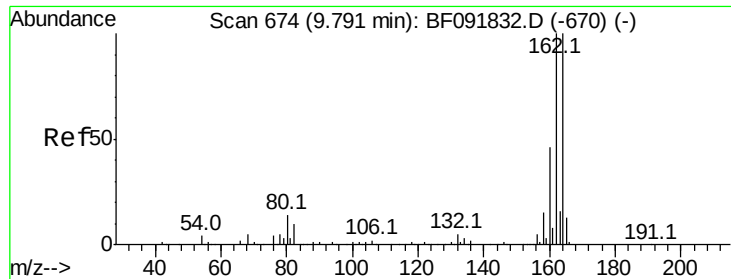
Tot Ion:	136	Resp:	568612
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	8.9	4.5	6.7#
68	6.6	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 58.26 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

Tgt Ion:	82	Resp:	595744
Ion	Ratio	Lower	Upper
82	100		
128	39.3	34.6	52.0
54	51.8	39.5	59.3

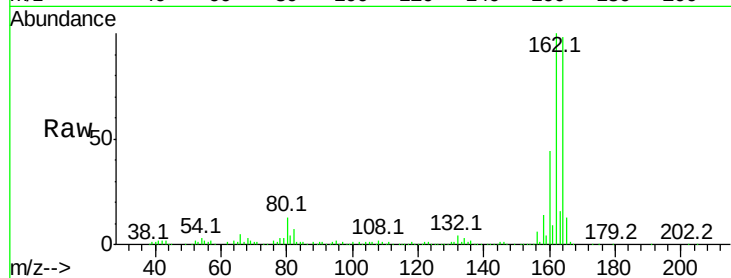




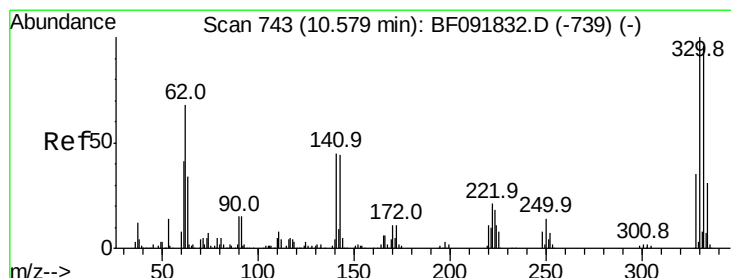
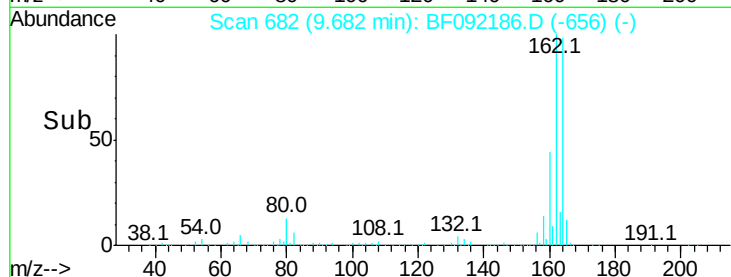
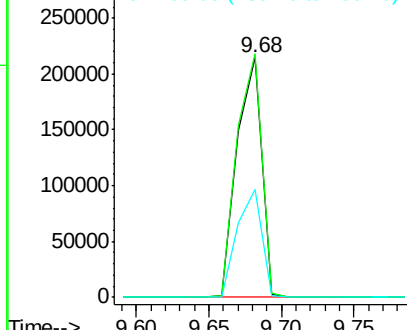
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF092186.D
 Acq: 10 Jan 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP8RE

Tot Ion:164 Resp: 253266
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.2 120.2
 160 45.1 36.9 55.3

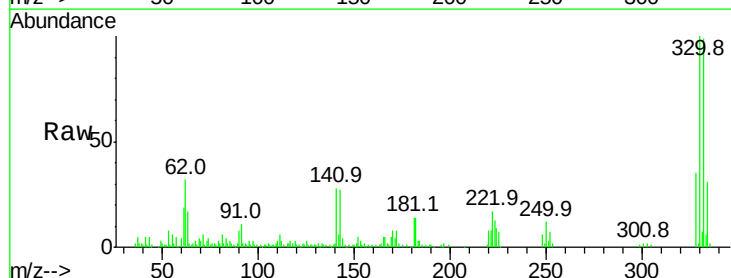


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

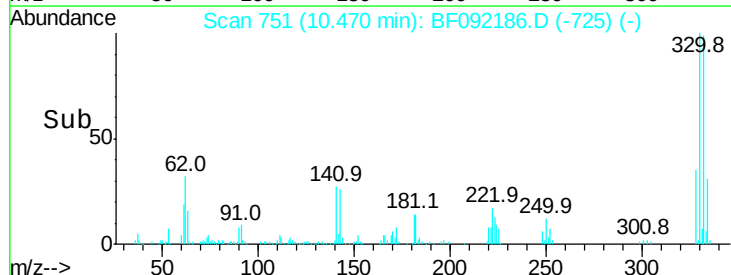
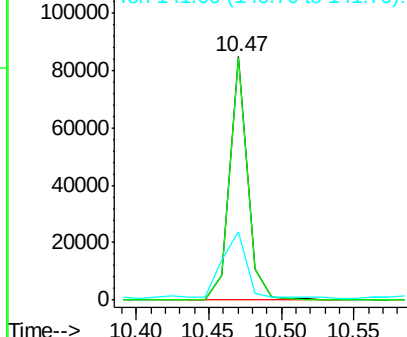


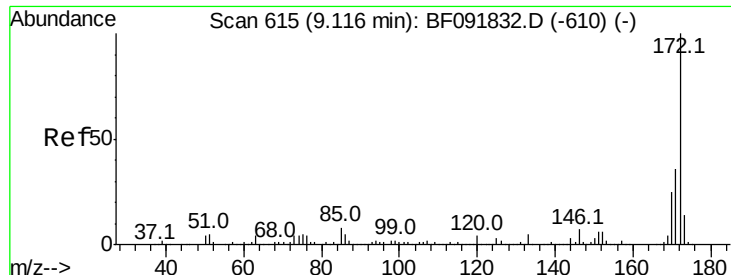
#41
 2,4,6-Tribromophenol
 Concen: 34.77 ng
 RT: 10.47 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF092186.D
 Acq: 10 Jan 2017 17:10

Tgt Ion:330 Resp: 72870
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.4 116.2
 141 37.6 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

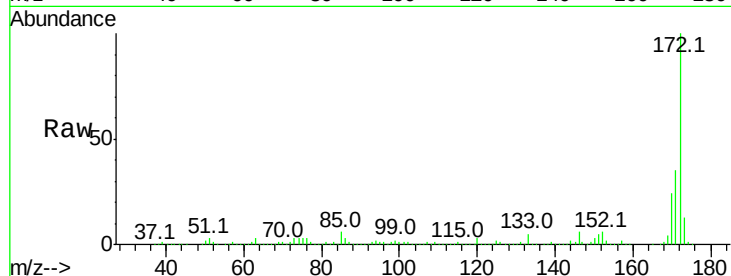




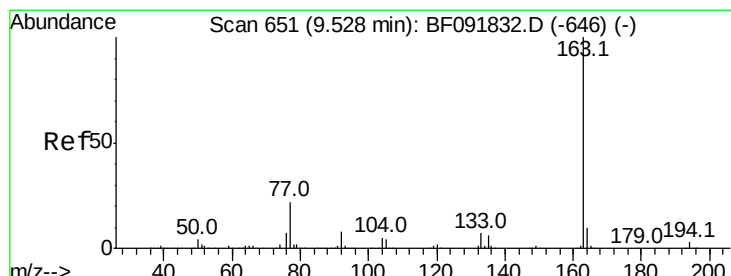
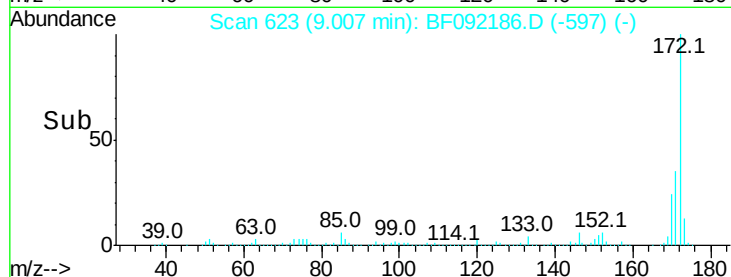
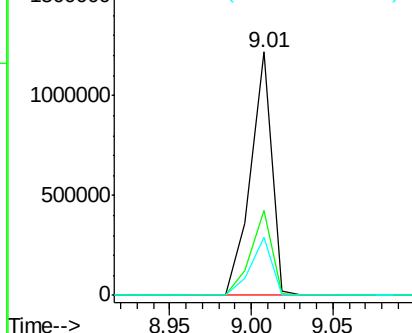
#44
2-Fluorobiphenyl
Concen: 89.91 ng
RT: 9.01 min Scan# 623
Delta R.T. -0.00 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

Instrument :
BNA_F
ClientSampleId :
P3-SP8RE

Tot Ion:172 Resp: 1102184
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 24.1 20.2 30.4

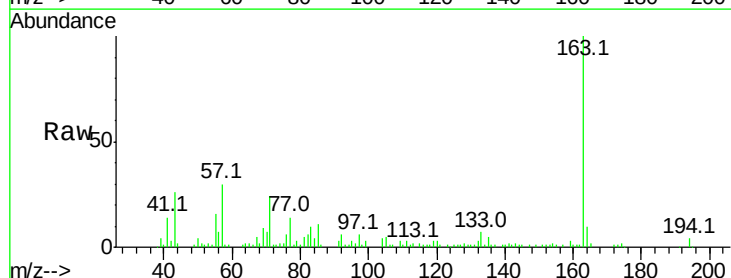


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

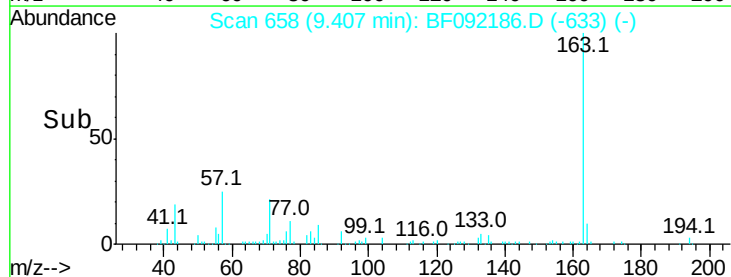
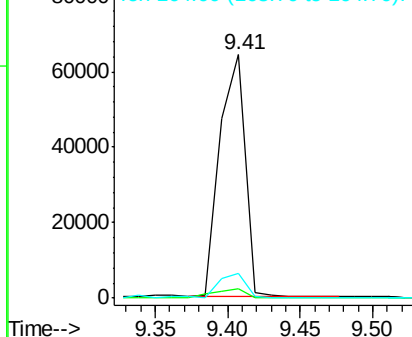


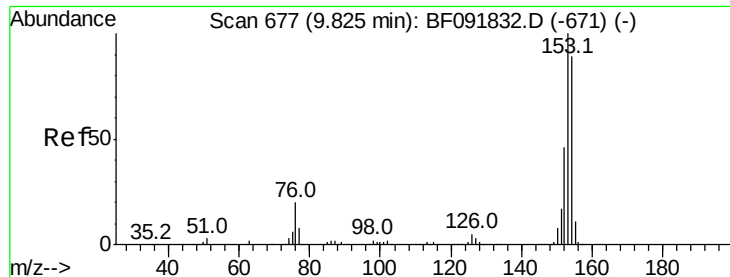
#49
Dimethylphthalate
Concen: 4.80 ng
RT: 9.41 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

Tgt Ion:163 Resp: 77806
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.0 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





#51

Acenaphthene

Concen: 5.58 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

BNA_F

ClientSampled :

P3-SP8RE

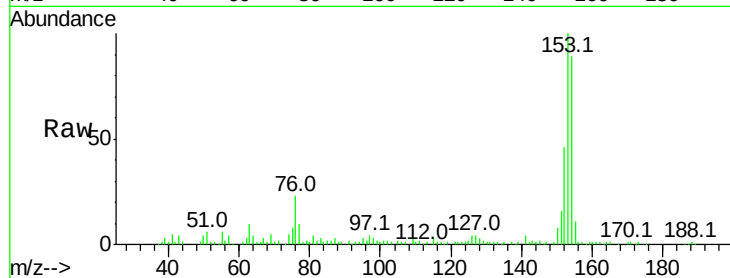
Tot Ion:154 Resp: 79907

Ion Ratio Lower Upper

154 100

153 112.7 88.6 133.0

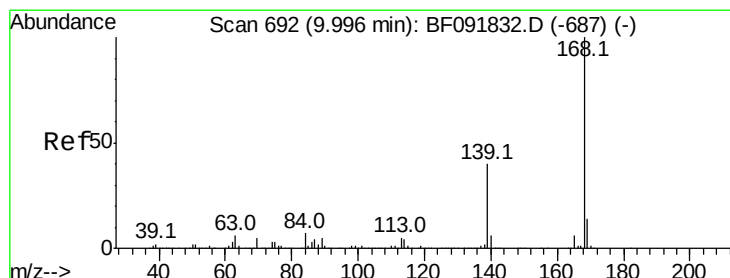
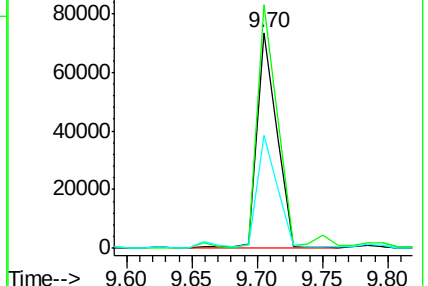
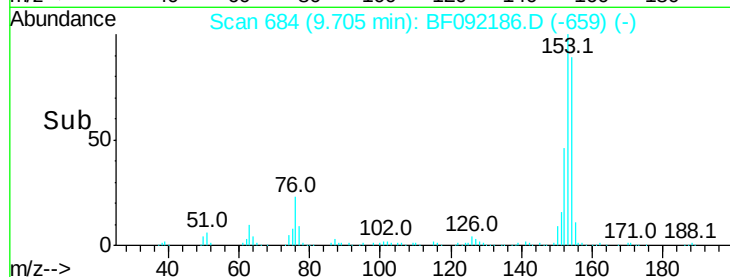
152 52.2 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.97 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

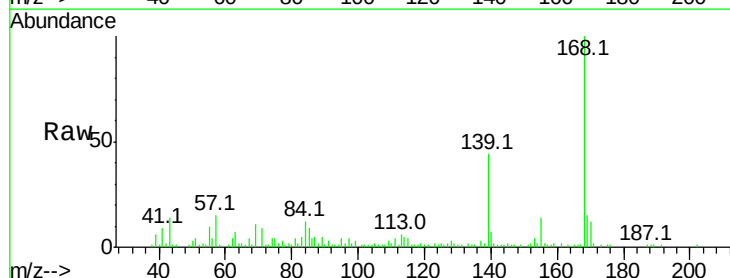
Tgt Ion:168 Resp: 76854

Ion Ratio Lower Upper

168 100

139 43.8 32.6 49.0

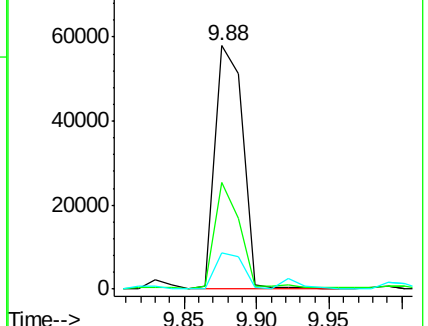
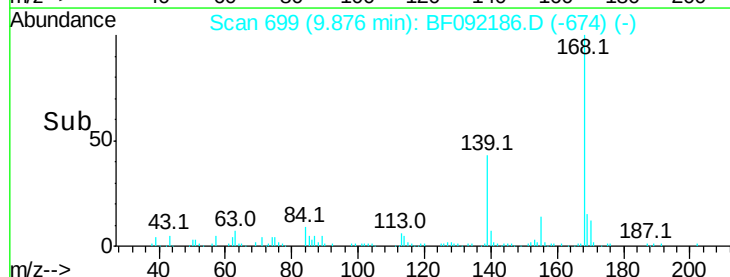
169 15.1 11.3 16.9

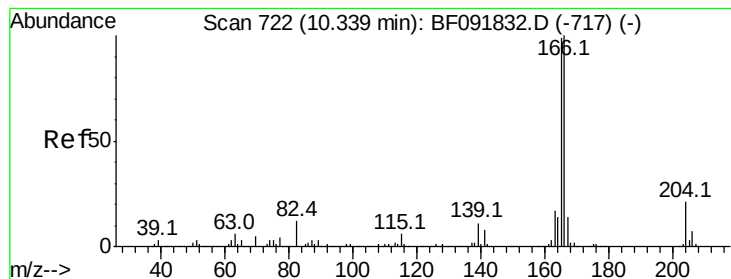


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.52 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

BNA_F

ClientSampled :

P3-SP8RE

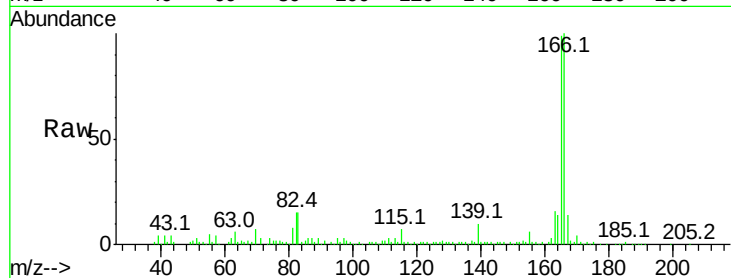
Tot Ion:166 Resp: 119859

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.8

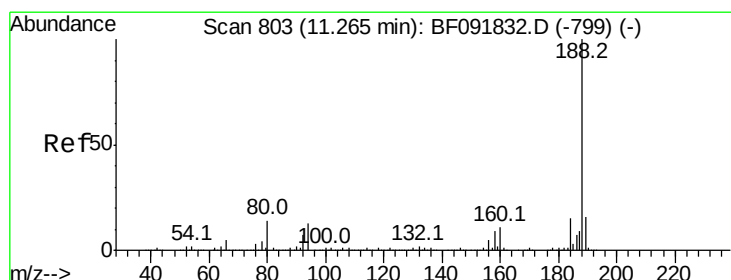
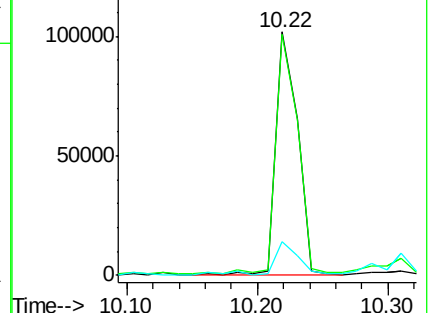
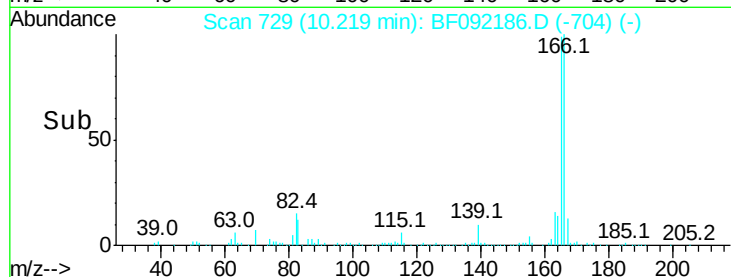
167 14.0 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

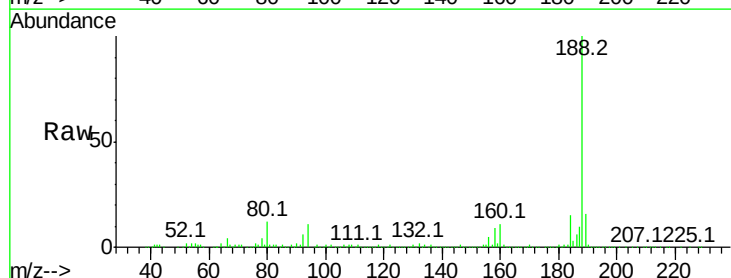
Tgt Ion:188 Resp: 368087

Ion Ratio Lower Upper

188 100

94 11.0 10.0 15.0

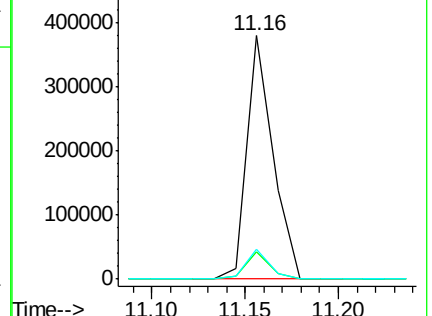
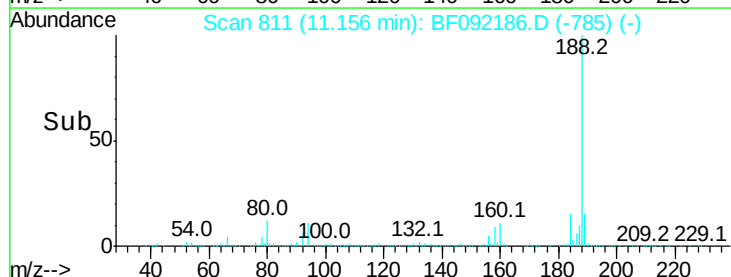
80 12.3 11.2 16.8

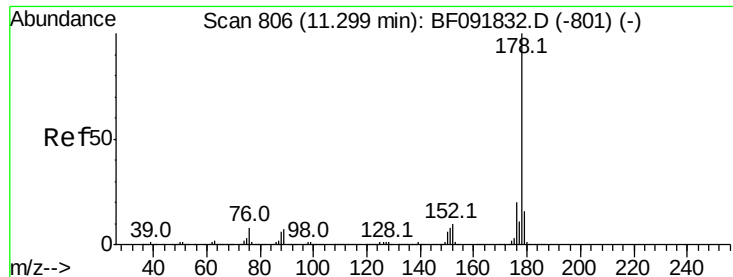


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

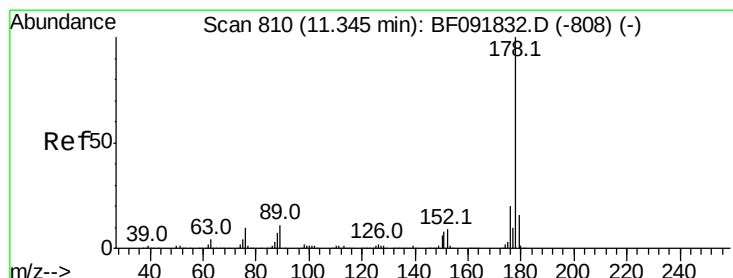
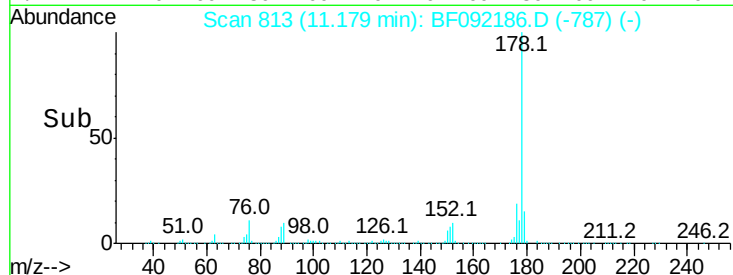
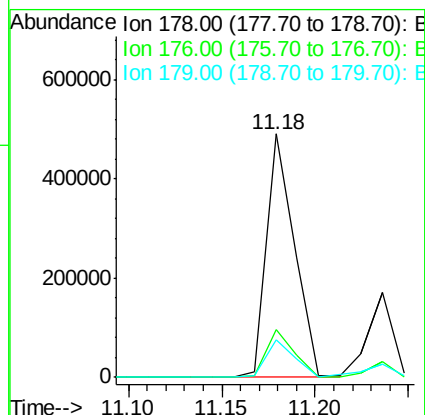
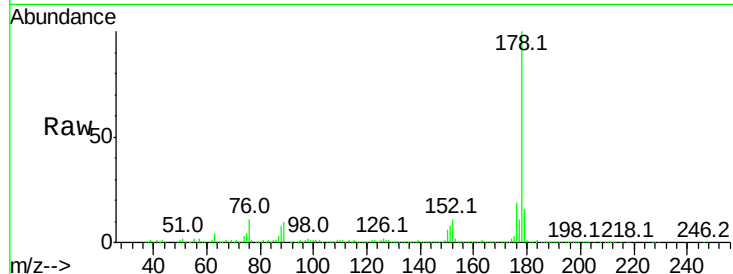




#70
Phenanthrene
Concen: 25.72 ng
RT: 11.18 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

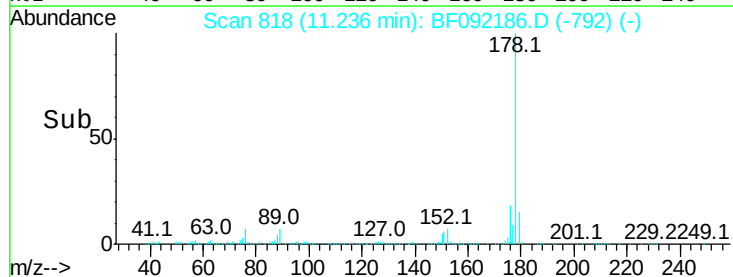
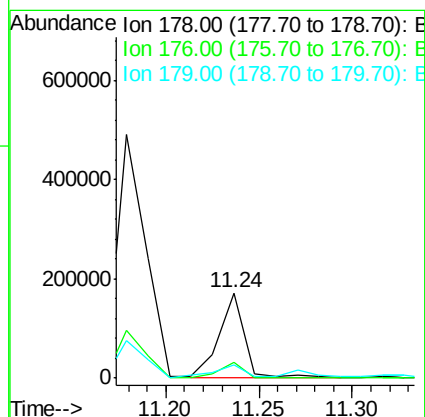
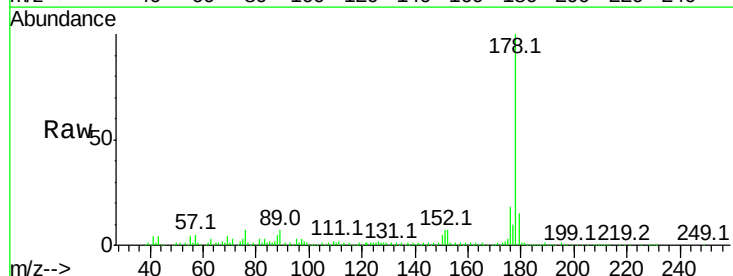
Instrument :
BNA_F
ClientSampleId :
P3-SP8RE

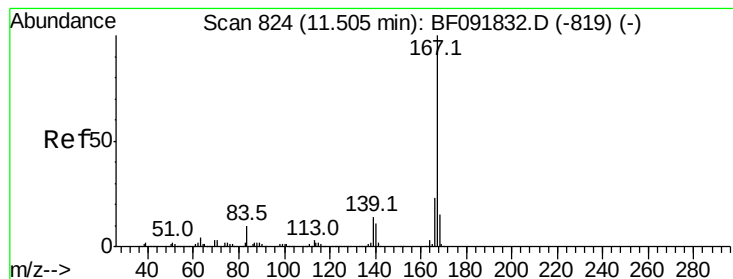
Tot Ion:178 Resp: 513362
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 15.6 12.8 19.2



#71
Anthracene
Concen: 6.52 ng
RT: 11.24 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

Tgt Ion:178 Resp: 158681
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.4 13.2 19.8





#72

Carbazole

Concen: 2.72 ng

RT: 11.40 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

P3-SP8RE

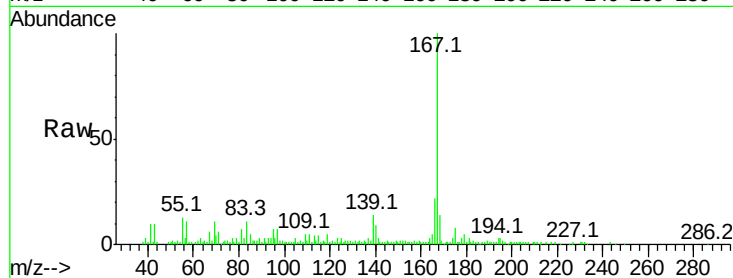
Tot Ion:167 Resp: 61213

Ion Ratio Lower Upper

167 100

166 21.5 18.2 27.2

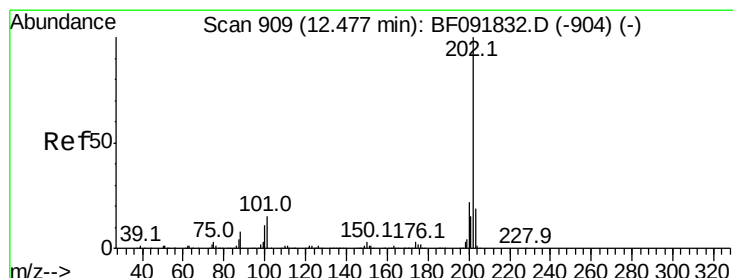
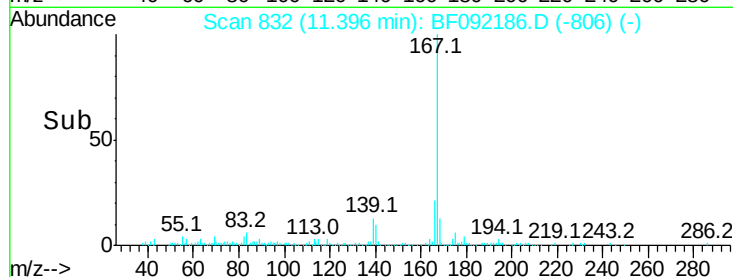
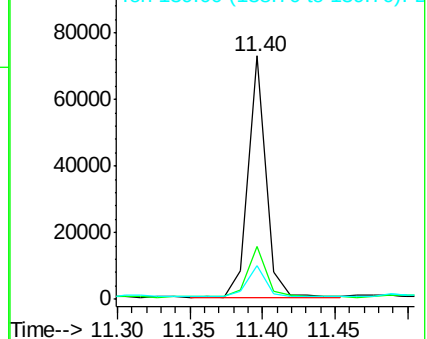
139 13.8 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 20.57 ng

RT: 12.37 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

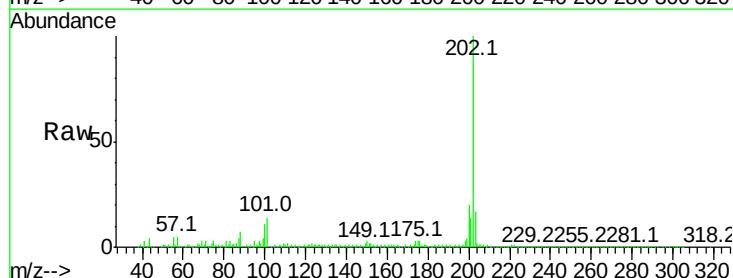
Tgt Ion:202 Resp: 396629

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.6

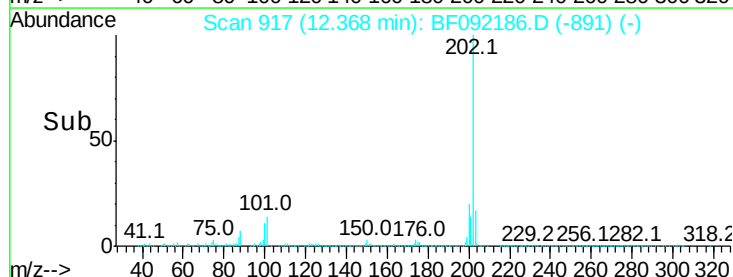
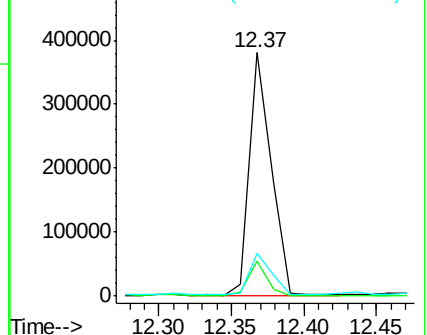
203 17.4 0.0 38.7

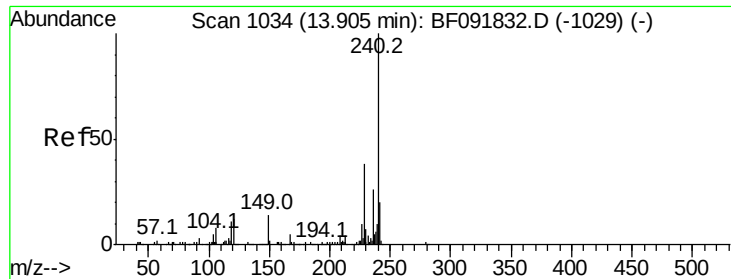


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

P3-SP8RE

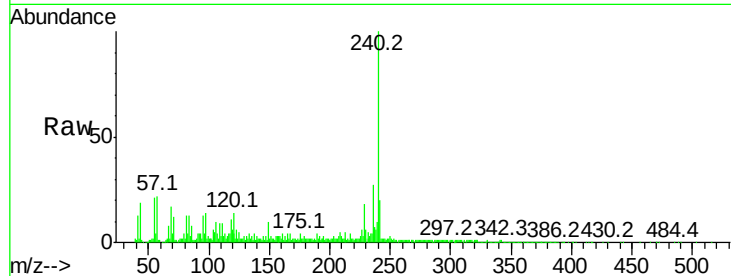
Tot Ion:240 Resp: 215594

Ion Ratio Lower Upper

240 100

120 14.4 12.9 19.3

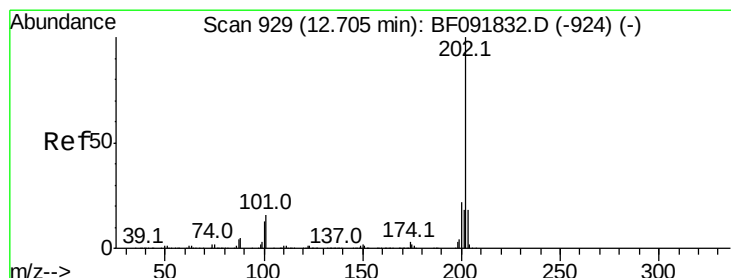
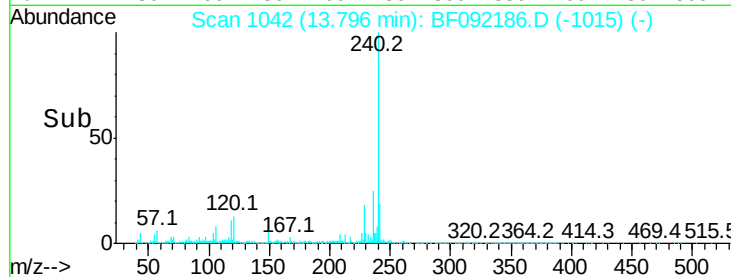
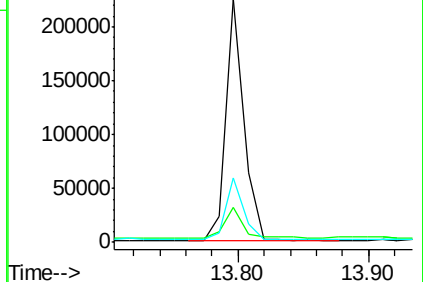
236 26.5 20.9 31.3



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: 19.85 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

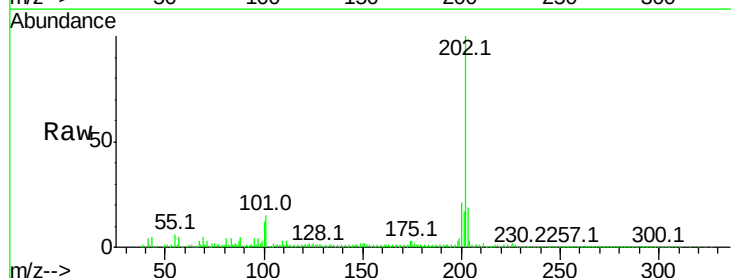
Tgt Ion:202 Resp: 314046

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

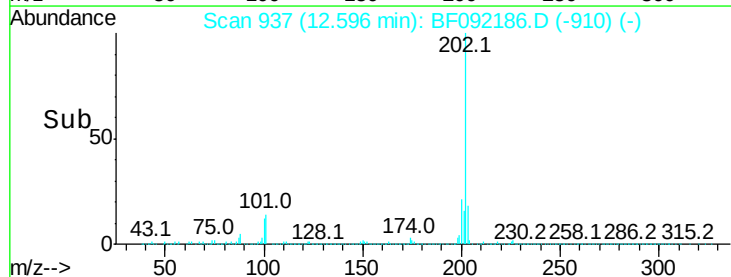
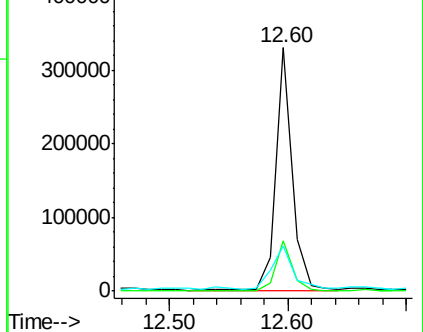
203 18.7 14.7 22.1

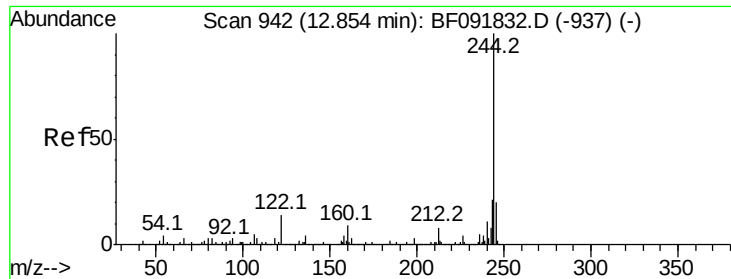


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

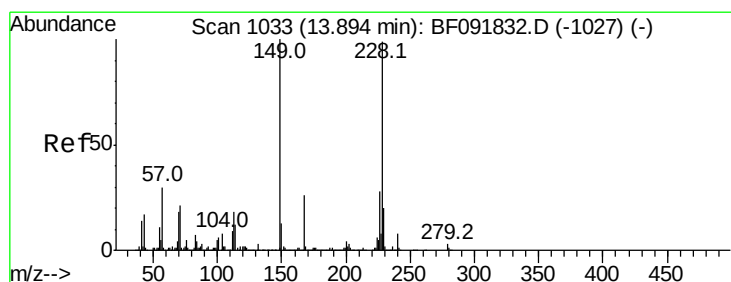
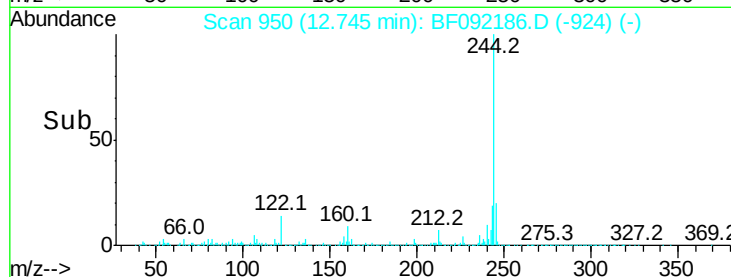
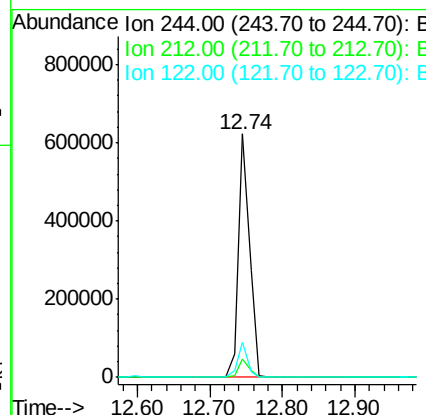
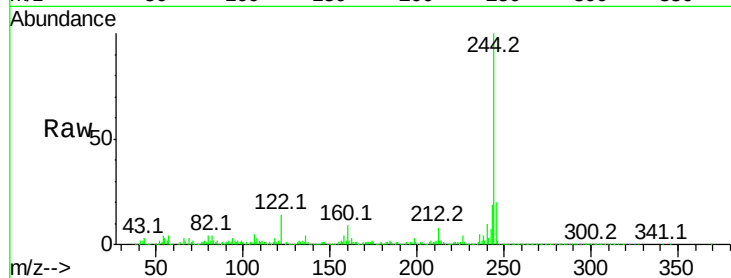




#78
 Terphenyl-d14
 Concen: 74.47 ng
 RT: 12.74 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF092186.D
 Acq: 10 Jan 2017 17:10

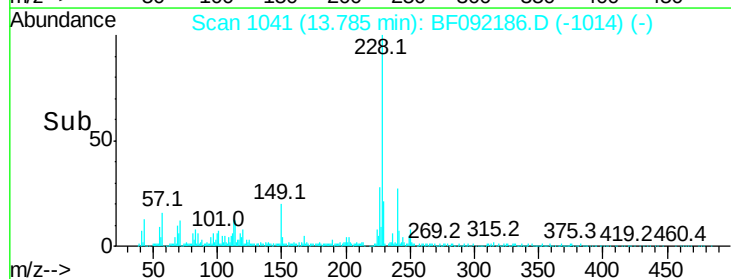
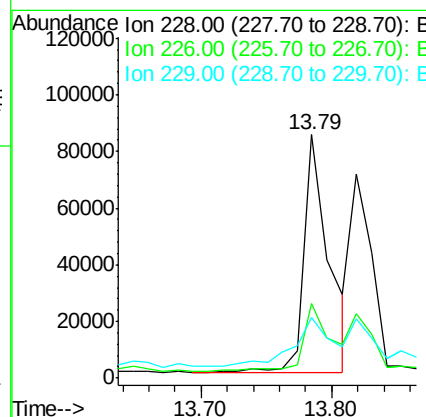
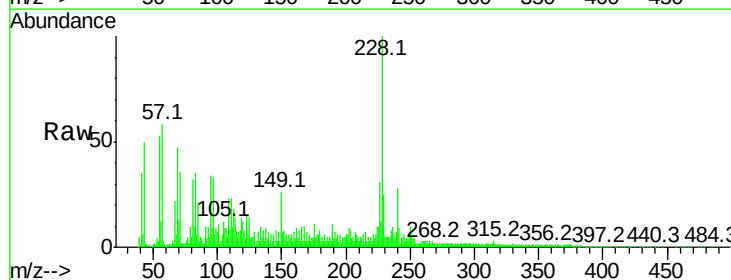
Instrument :
 BNA_F
 ClientSampleId :
 P3-SP8RE

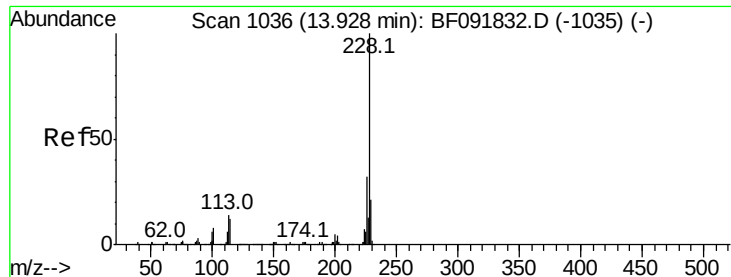
Tot Ion:244 Resp: 661977
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 14.2 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 9.27 ng
 RT: 13.79 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF092186.D
 Acq: 10 Jan 2017 17:10

Tgt Ion:228 Resp: 112835
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.4 33.6
 229 24.8 16.2 24.4#

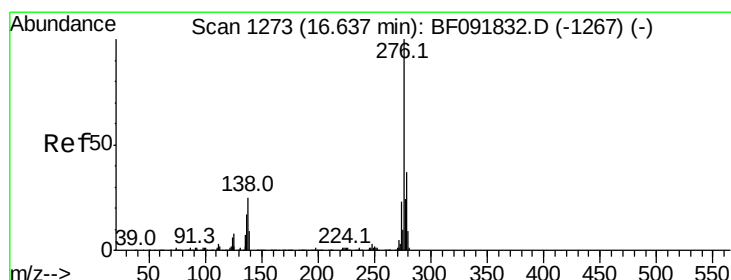
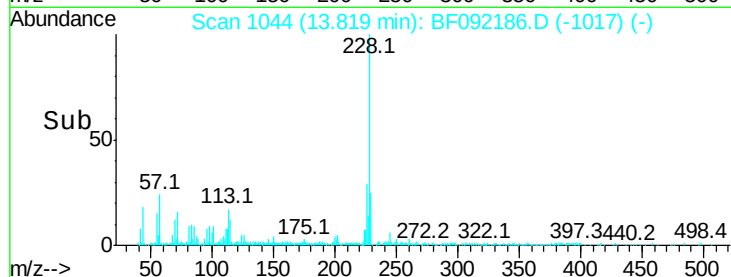
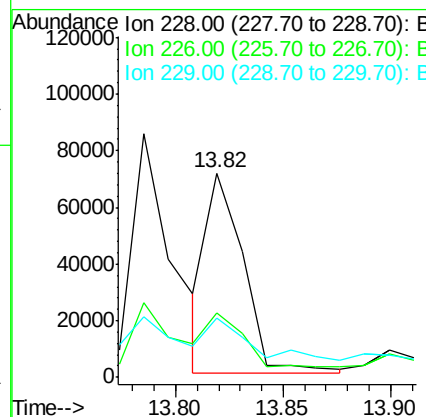
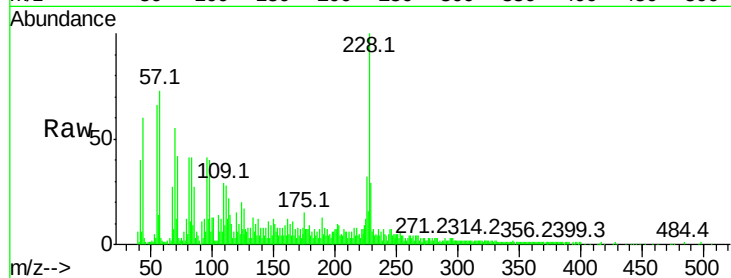




#82
Chrysene
Concen: 6.86 ng/ml
RT: 13.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

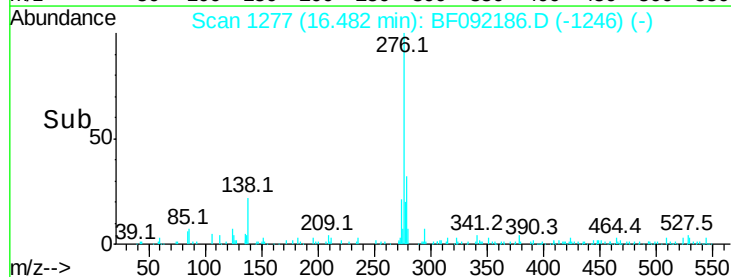
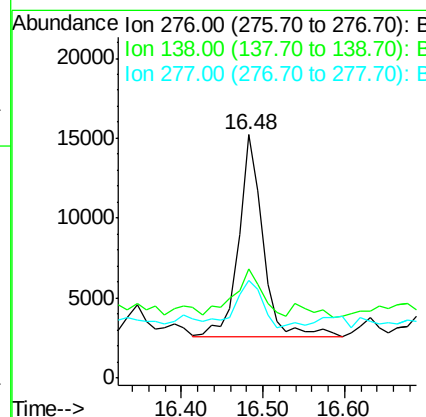
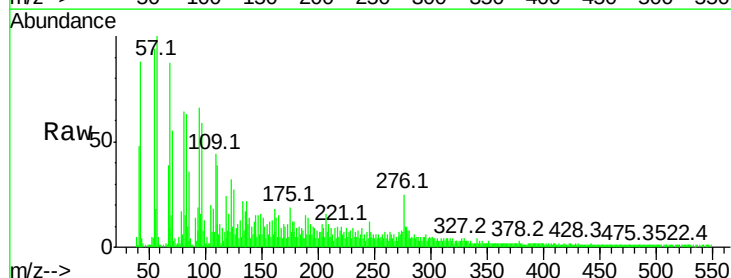
Instrument :
BNA_F
ClientSampleId :
P3-SP8RE

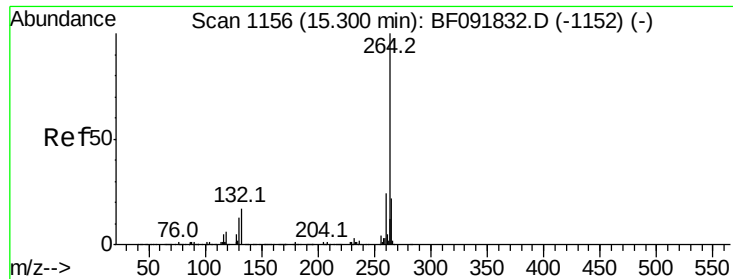
Tot Ion:228 Resp: 83712
Ion Ratio Lower Upper
228 100
226 31.7 25.4 38.0
229 29.1 16.2 24.2#



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.47 ng
RT: 16.48 min Scan# 1277
Delta R.T. 0.06 min
Lab File: BF092186.D
Acq: 10 Jan 2017 17:10

Tgt Ion:276 Resp: 26107
Ion Ratio Lower Upper
276 100
138 25.1 21.8 32.6
277 23.2 20.2 30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.19 min Scan# 1164

Delta R.T. 0.05 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

P3-SP8RE

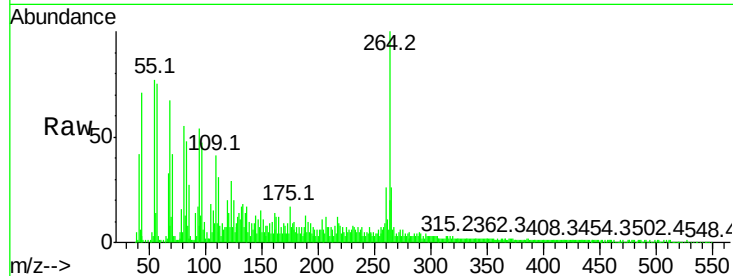
Tot Ion:264 Resp: 144221

Ion Ratio Lower Upper

264 100

260 25.9 19.2 28.8

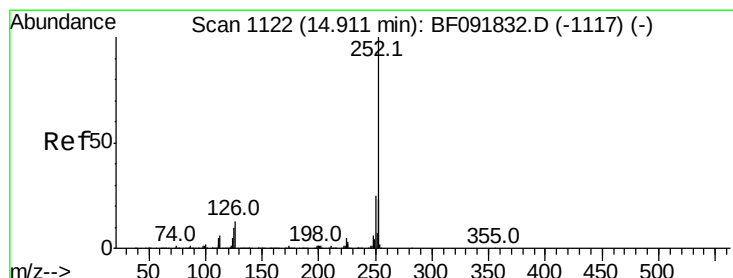
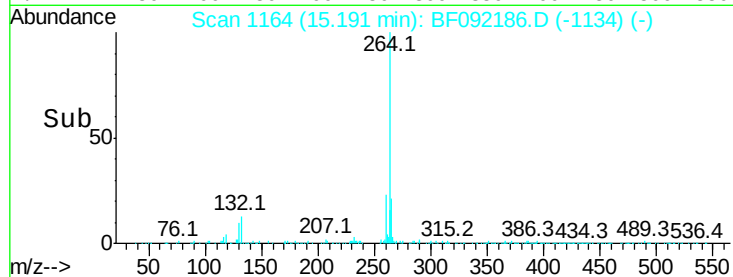
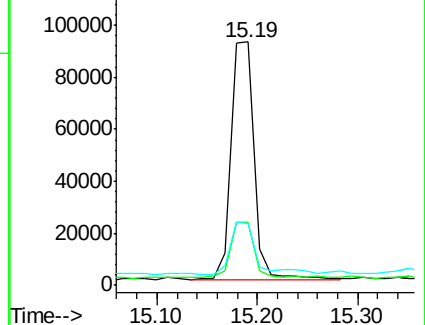
265 25.5 17.4 26.0



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: 8.45 ng m

RT: 14.80 min Scan# 1130

Delta R.T. 0.02 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

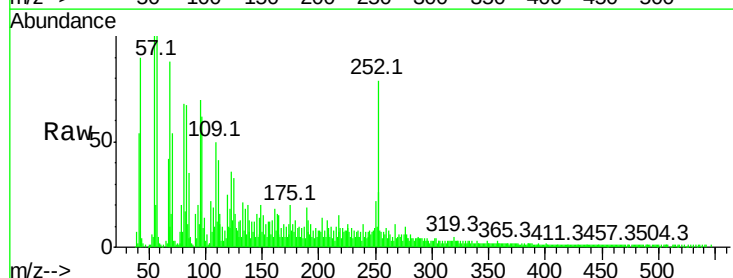
Tgt Ion:252 Resp: 75833

Ion Ratio Lower Upper

252 100

253 32.9 18.2 27.4#

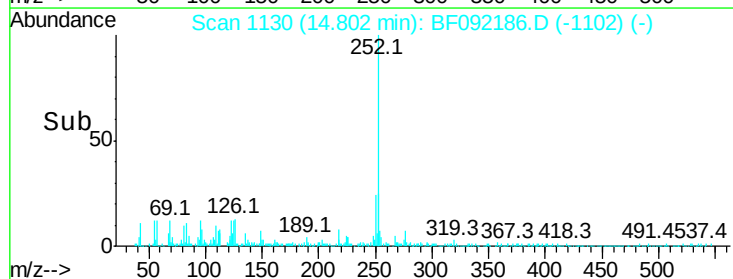
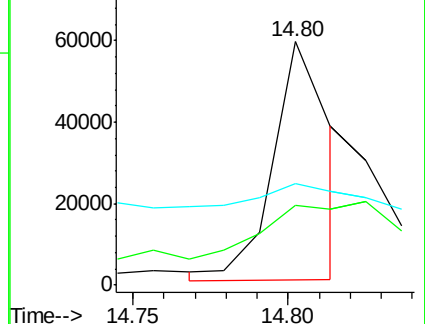
125 41.5 9.8 14.6#

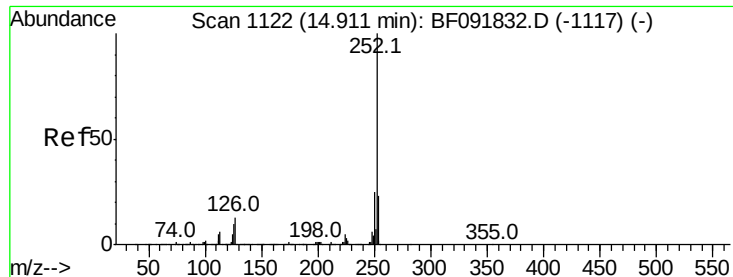


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.44 ng

RT: 14.81 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

P3-SP8RE

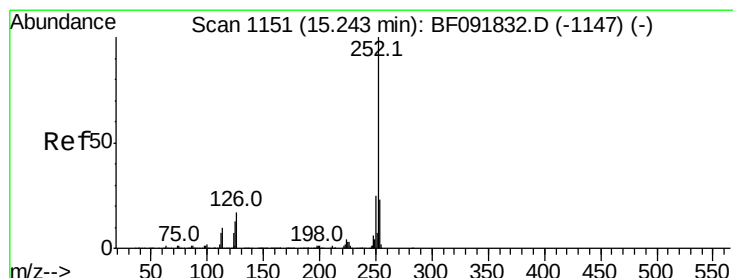
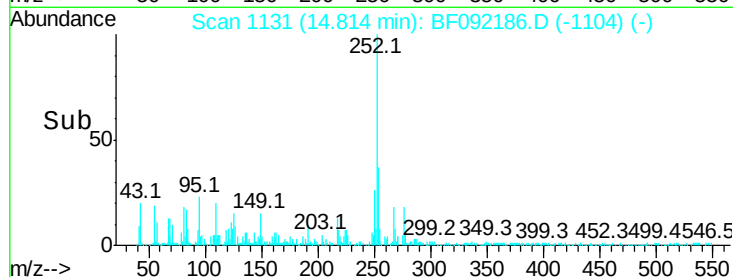
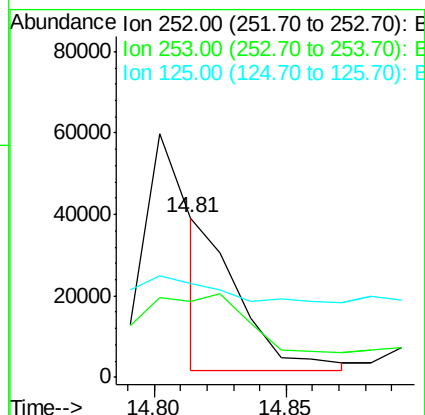
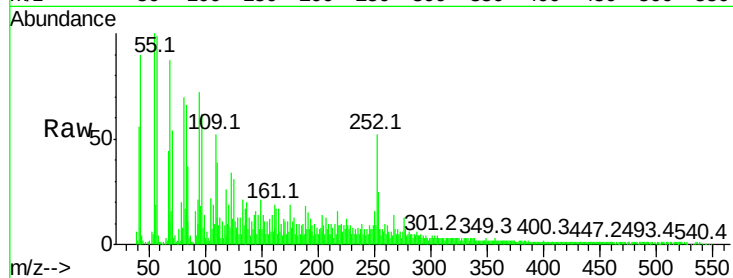
Tot Ion:252 Resp: 33964

Ion Ratio Lower Upper

252 100

253 47.6 18.5 27.7#

125 59.1 8.9 13.3#



#89

Benzo(a)pyrene

Concen: 5.86 ng

RT: 15.13 min Scan# 1159

Delta R.T. 0.03 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

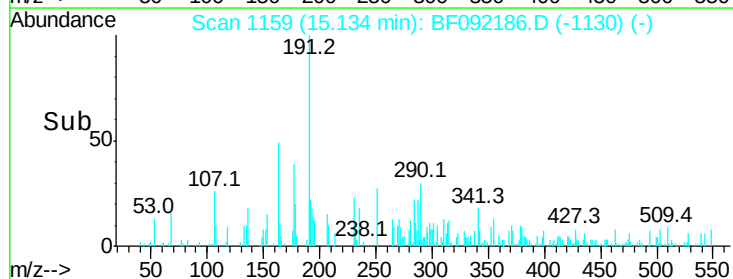
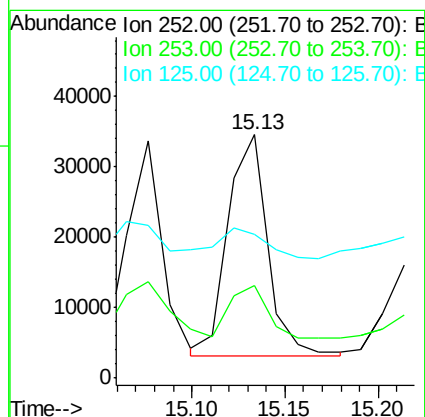
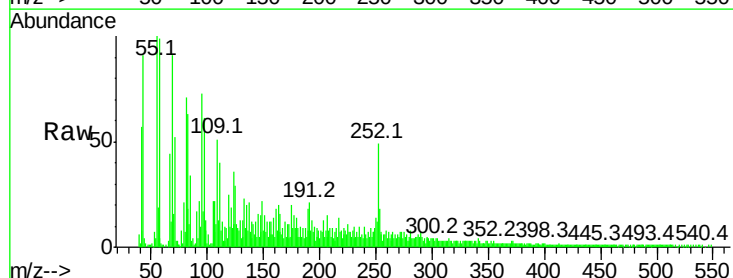
Tgt Ion:252 Resp: 46738

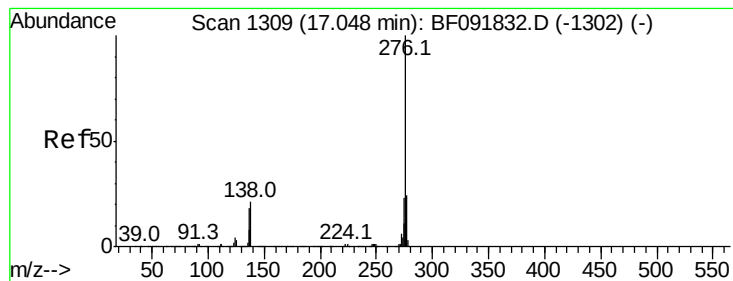
Ion Ratio Lower Upper

252 100

253 37.9 18.2 27.2#

125 59.2 10.0 15.0#





#91

Benzo(a,h,i)perylene

Concen: 3.98 ng

RT: 16.87 min Scan# 1311

Delta R.T. 0.07 min

Lab File: BF092186.D

Acq: 10 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

P3-SP8RE

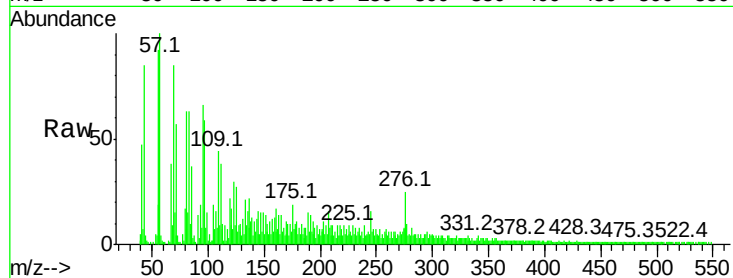
Tot Ion:276 Resp: 27143

Ion Ratio Lower Upper

276 100

277 40.5 19.2 28.8#

138 45.6 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

