

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090716\
 Data File : BF089998.D
 Acq On : 7 Sep 2016 11:58
 Operator : UM/SJ
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 07 14:57:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 13:29:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.64
21) Naphthalene-d8	0.00	136	0	0.00	ng	-7.93
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.67
63) Phenanthrene-d10	11.12	188	889	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	1495	20.00	ng	-0.03
86) Perylene-d12	15.07	264	977	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.98	172	477	0.00	ng	-0.02
78) Terphenyl-d14	12.70	244	3881	64.13	ng	-0.03

Target Compounds

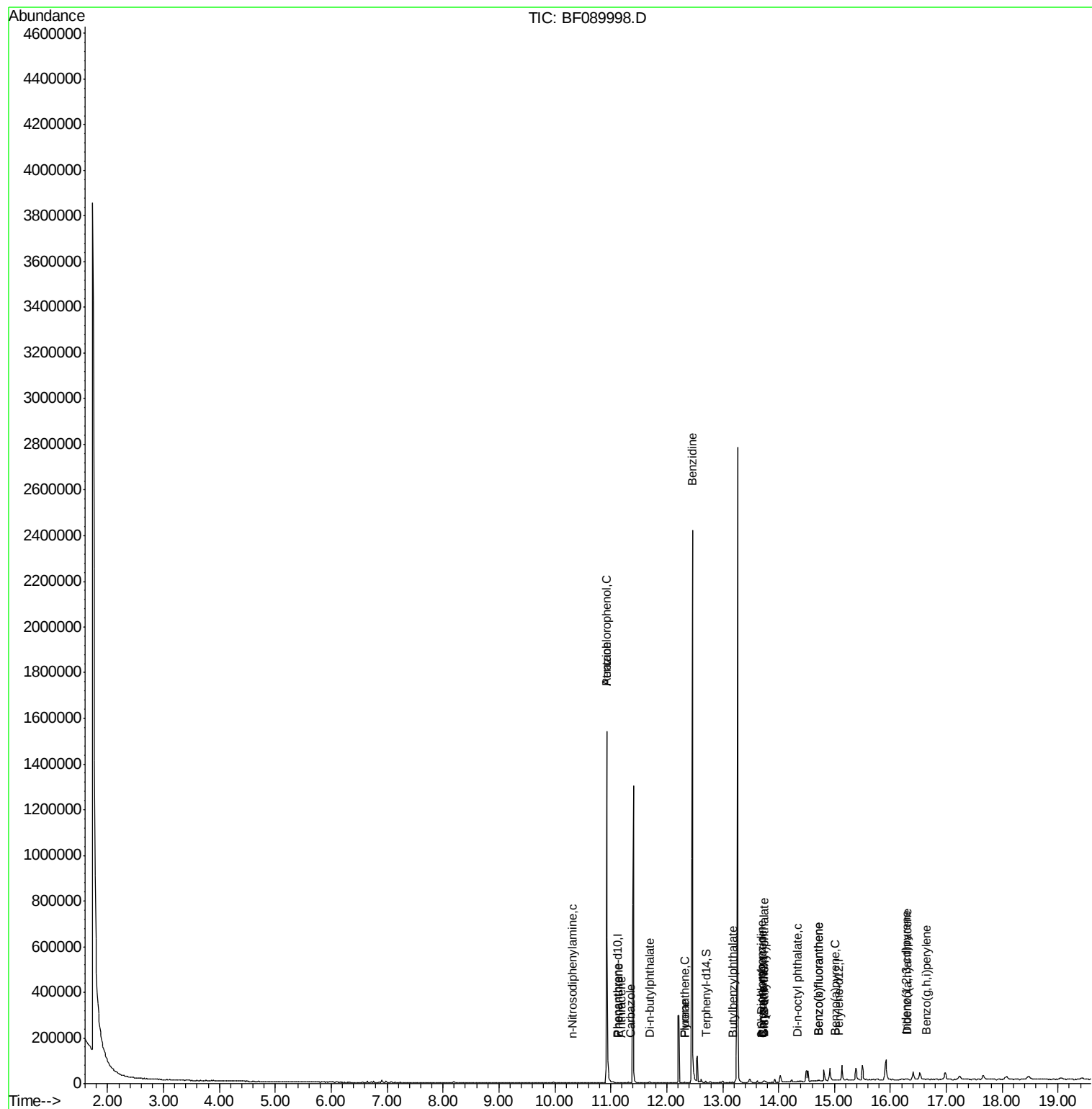
						Qvalue
65) n-Nitrosodiphenylamine	10.31	169	407	15.23	ng	# 76
68) Atrazine	10.93	200	40922	4586.44	ng	# 37
69) Pentachlorophenol	10.93	266	216179	39306.28	ng	99
70) Phenanthrene	11.14	178	1658	37.45	ng	# 59
71) Anthracene	11.19	178	1292	28.77	ng	# 59
72) Carbazole	11.36	167	1497	35.56	ng	# 88
73) Di-n-butylphthalate	11.70	149	3037	61.89	ng	# 77
74) Fluoranthene	12.32	202	2352	50.70	ng	89
76) Benzidine	12.46	184	1067353	18846.09	ng	96
77) Pyrene	12.32	202	2352	22.31	ng	96
79) Butylbenzylphthalate	13.18	149	1136	26.72	ng	# 78
80) Benzo(a)anthracene	13.71	228	2170	23.70	ng	95
81) 3,3'-Dichlorobenzidine	13.69	252	540	16.34	ng	# 87
82) Chrysene	13.71	228	2170	25.37	ng	98
83) Bis(2-ethylhexyl)phthalate	13.74	149	2604	44.29	ng	# 94
84) Di-n-octyl phthalate	14.34	149	1767	18.62	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.29	276	727	11.50	ng	# 48
87) Benzo(b)fluoranthene	14.71	252	3669	59.95	ng	# 91
88) Benzo(k)fluoranthene	14.71	252	3669	70.64	ng	# 88
89) Benzo(a)pyrene	15.02	252	1326	25.29	ng	# 60
90) Dibenzo(a,h)anthracene	16.30	278	376	9.79	ng	# 55
91) Benzo(g,h,i)perylene	16.64	276	1051	27.18	ng	# 54

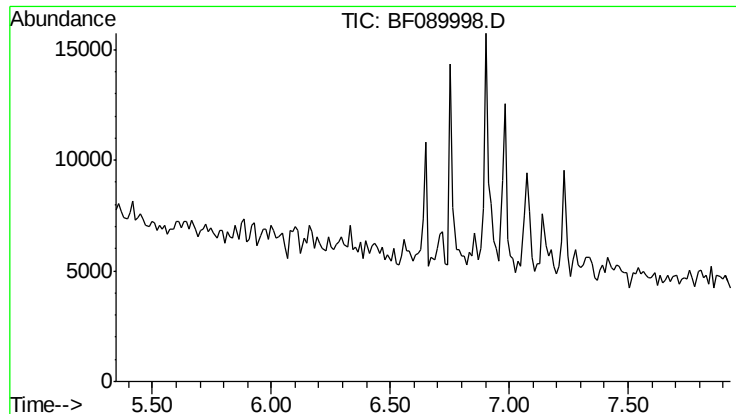
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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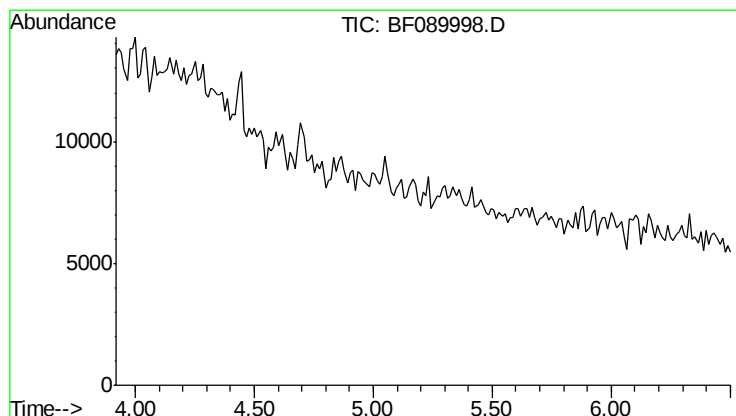
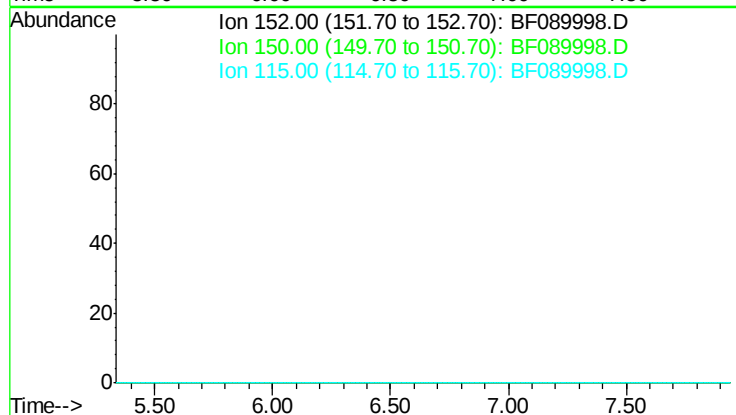




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 6.64 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

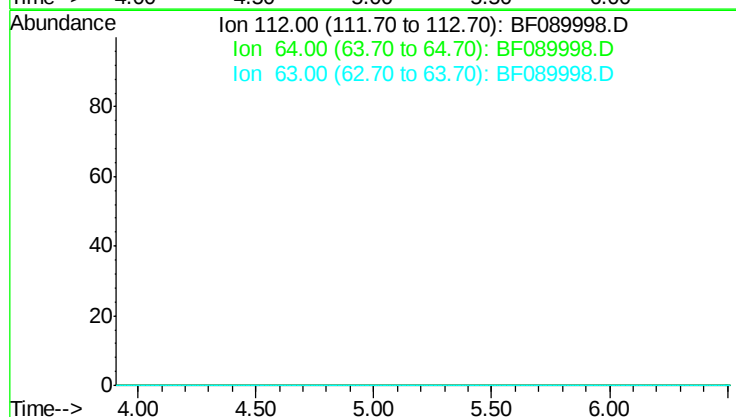
Instrument :
 BNA_F
 ClientSampleId :

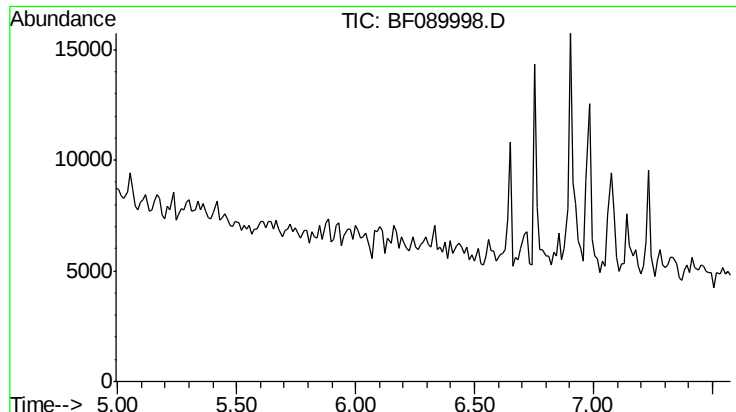
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 159.3
 115 57.9



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.21 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 51.4
 63 26.5

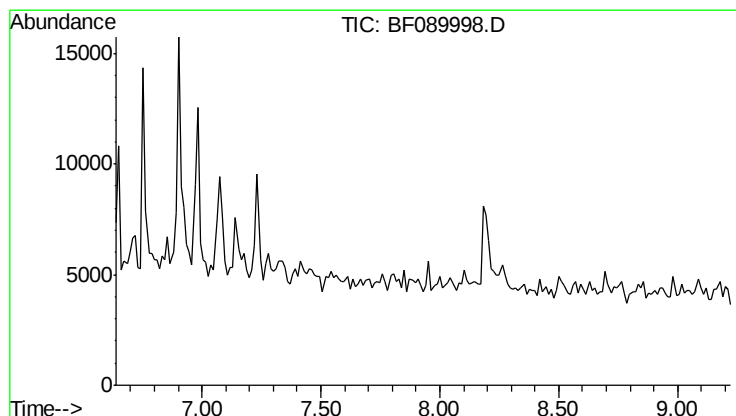
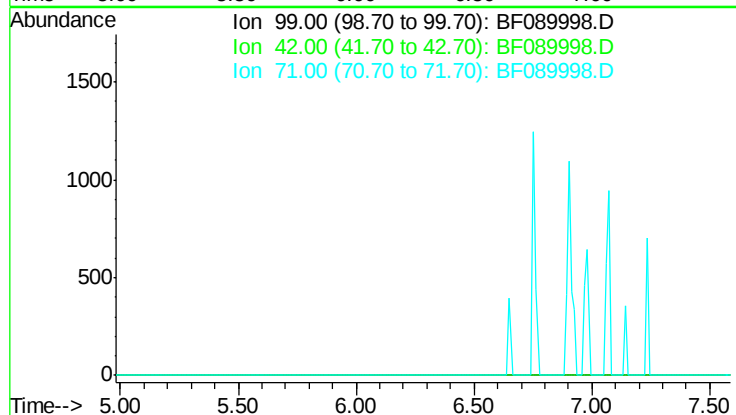




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.28 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

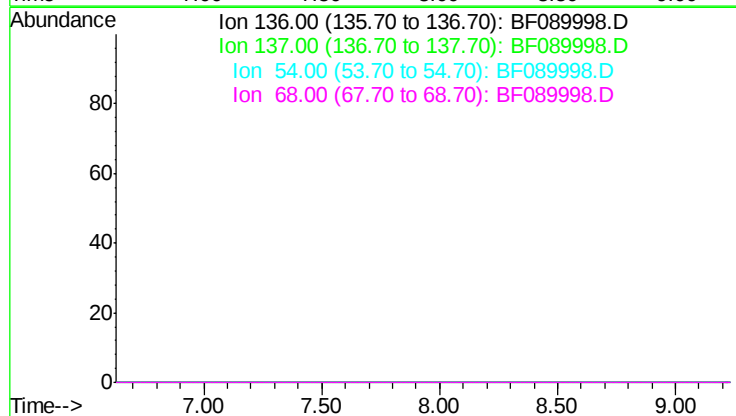
Instrument :
 BNA_F
 ClientSampleId :

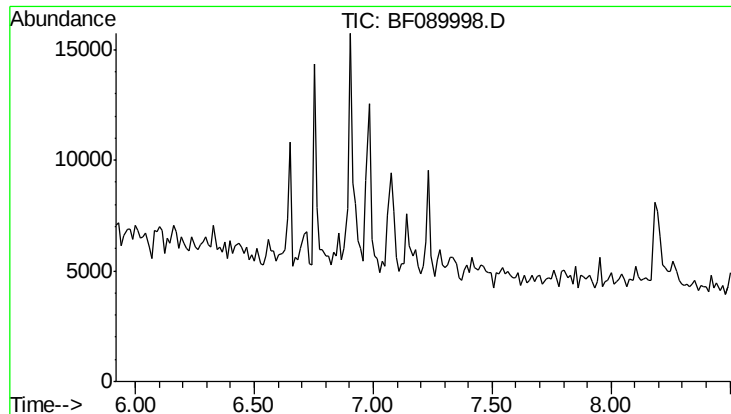
Tot Ion	99
Sig	Exp Ratio
99	100
42	23.2
71	32.2



#21
 Naphthalene-d8
 Concen: 0.00 ng
 Expected RT: 7.93 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Tgt Ion	136
Sig	Exp Ratio
136	100
137	10.4
54	6.0
68	4.6

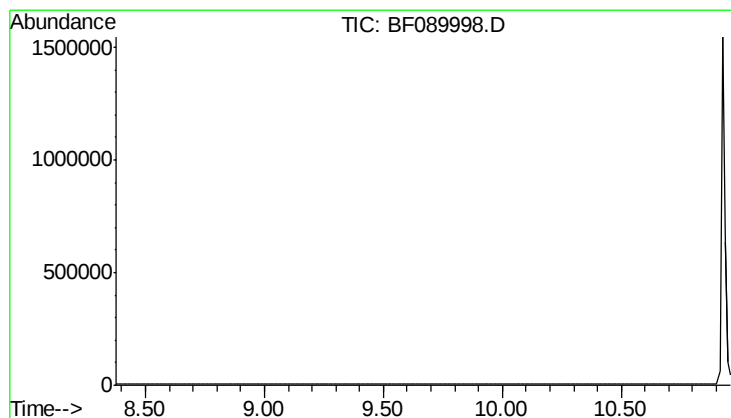
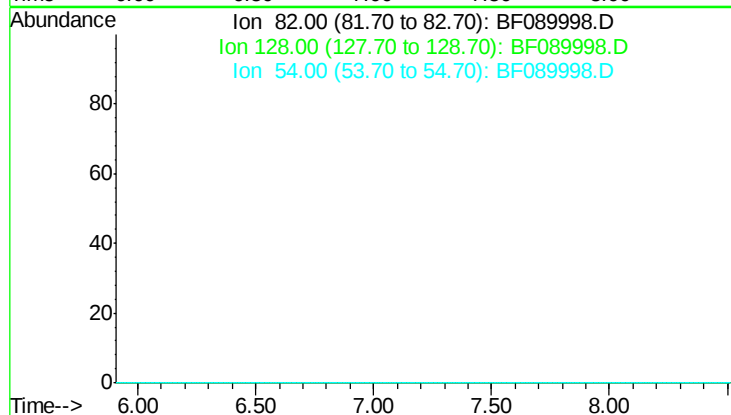




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.21 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

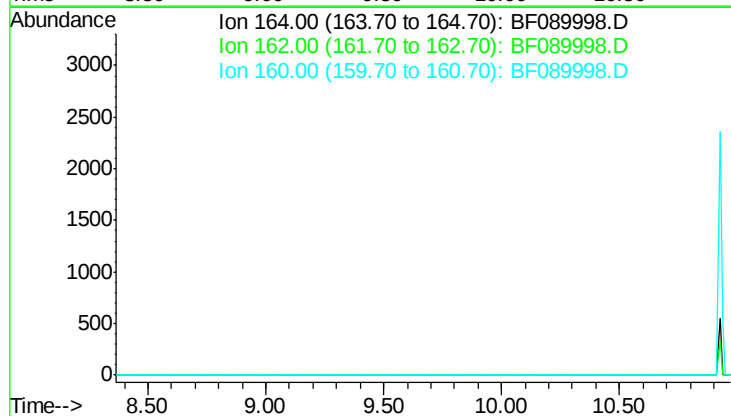
Instrument :
 BNA_F
 ClientSampleId :

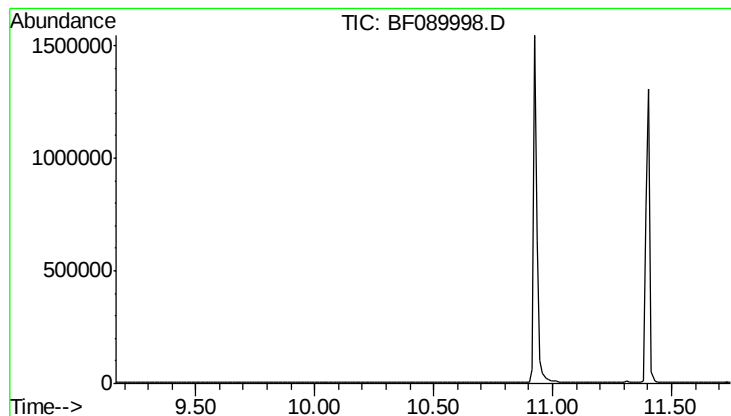
Tot Ion	82
Sig	Exp Ratio
82	100
128	47.3
54	58.6



#38
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 9.67 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Tgt Ion	164
Sig	Exp Ratio
164	100
162	96.4
160	44.1

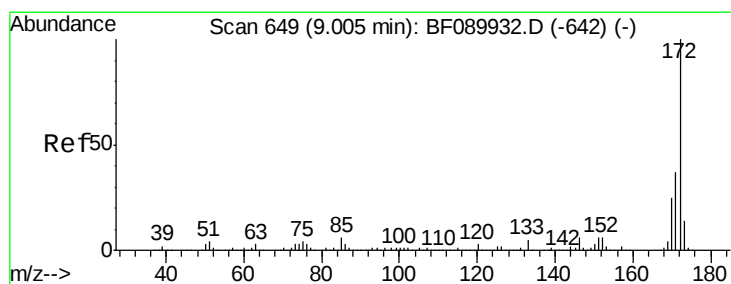
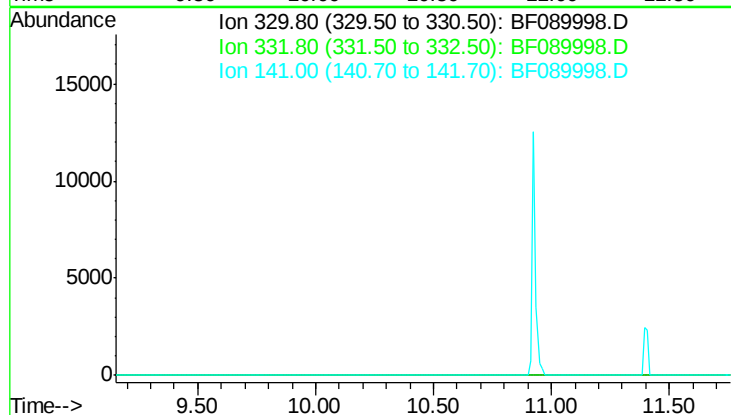




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.46 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

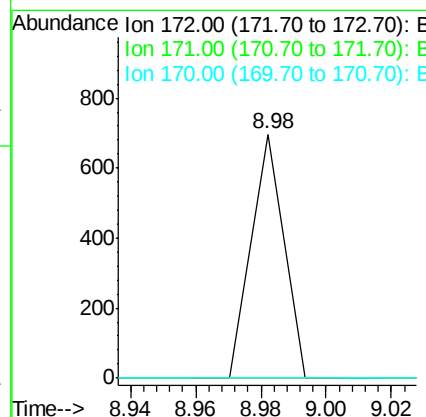
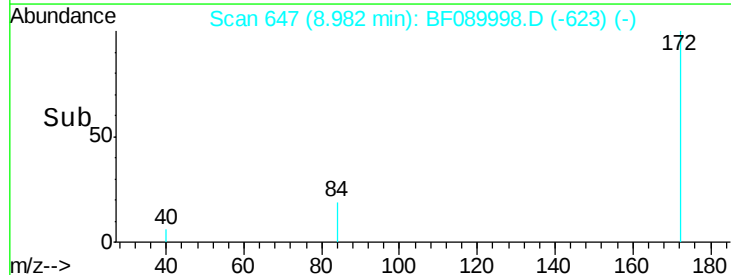
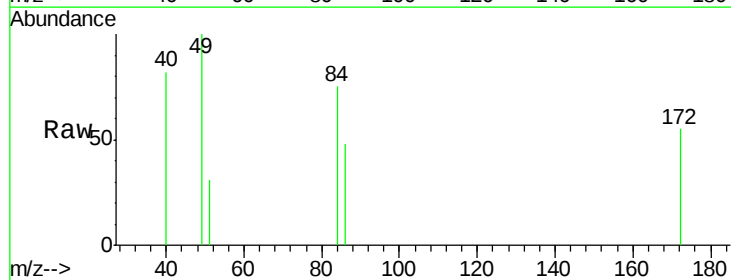
Instrument :
 BNA_F
 ClientSampleId :

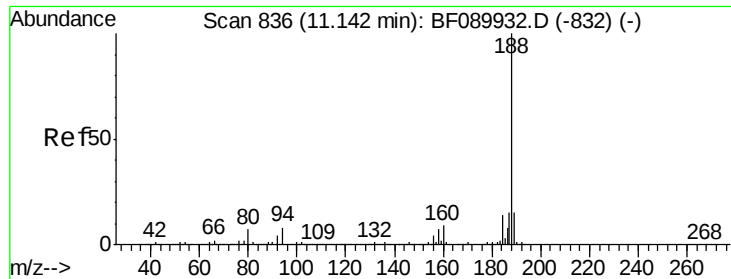
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 98.2
 141 29.1



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Tgt Ion: 172 Resp: 477
 Ion Ratio Lower Upper
 172 100
 171 0.0 29.4 44.2#
 170 0.0 20.1 30.1#

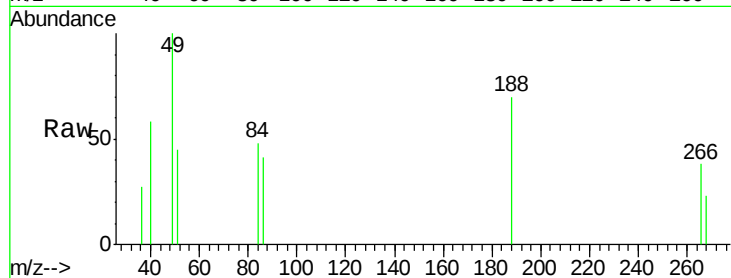




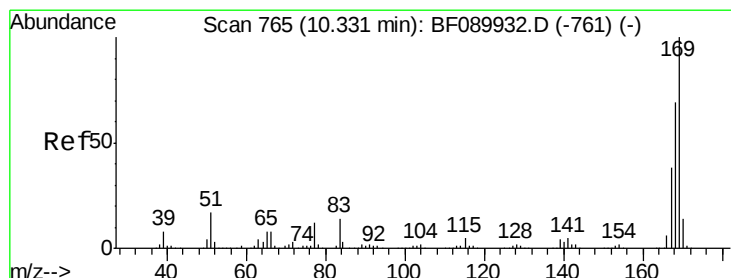
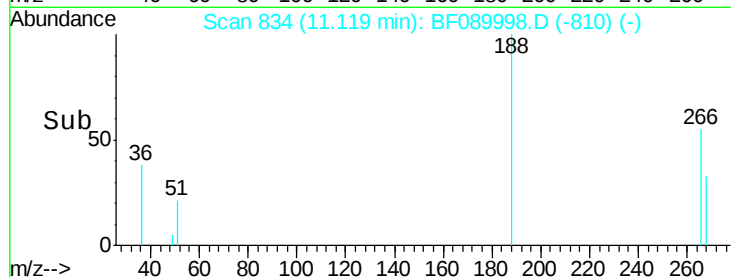
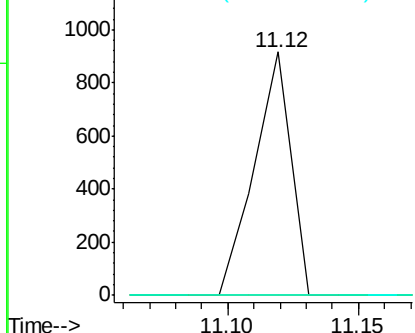
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 889
Ion Ratio Lower Upper
188 100
94 0.0 5.9 8.9#
80 0.0 5.8 8.8#

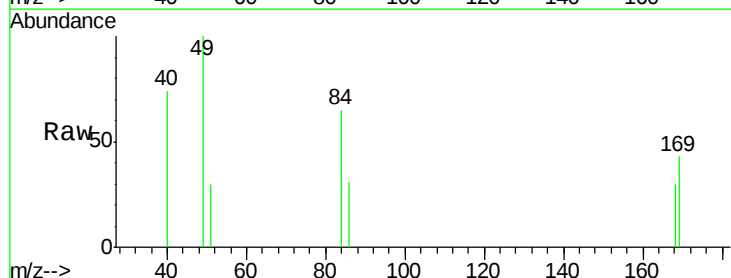


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

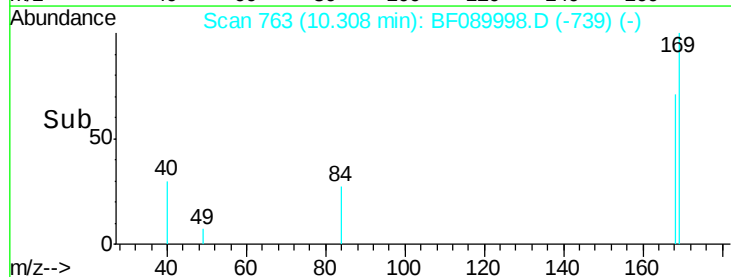
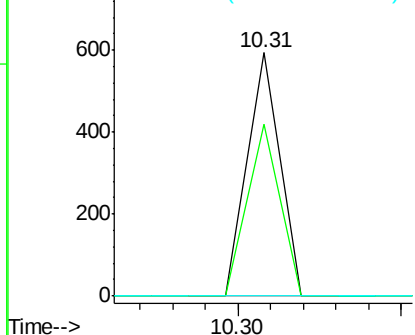


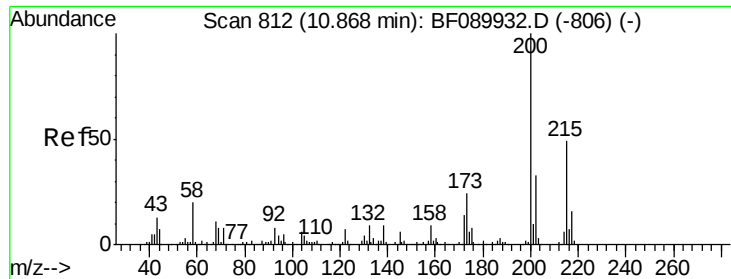
#65
n-Nitrosodiphenylamine
Concen: 15.23 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.02 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Tgt Ion:169 Resp: 407
Ion Ratio Lower Upper
169 100
168 70.9 55.0 82.4
167 0.0 30.5 45.7#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 4586.44 ng

RT: 10.93 min Scan# 817

Delta R.T. 0.06 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

Instrument :

BNA_F

ClientSampleId :

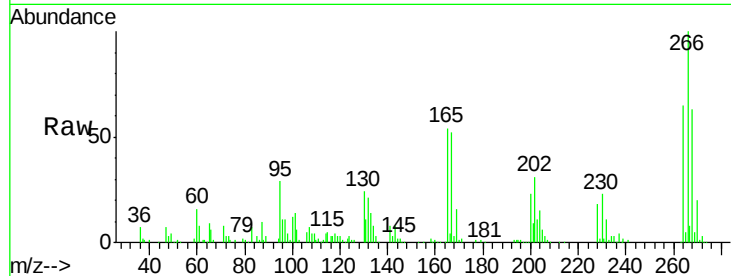
Tot Ion:200 Resp: 40922

Ion Ratio Lower Upper

200 100

173 0.0 9.4 49.4#

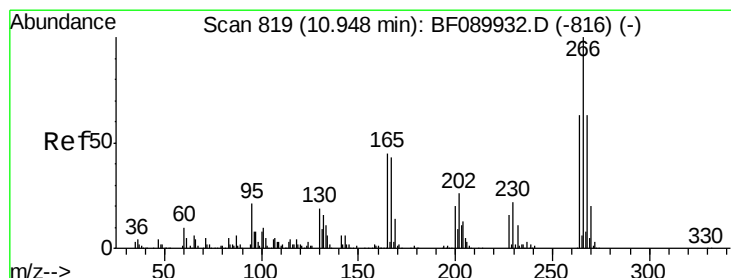
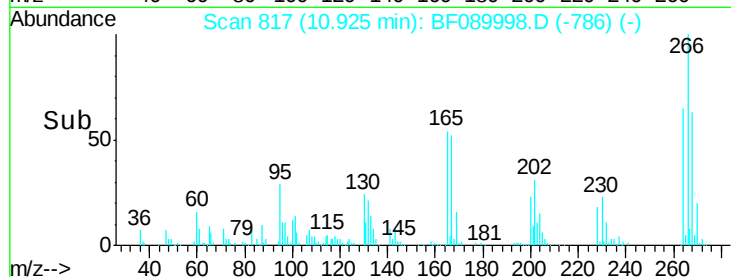
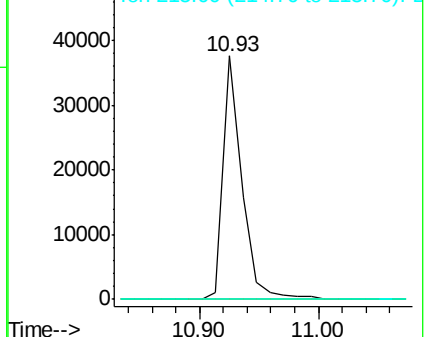
215 0.0 24.5 64.5#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 39306.28 ng

RT: 10.93 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

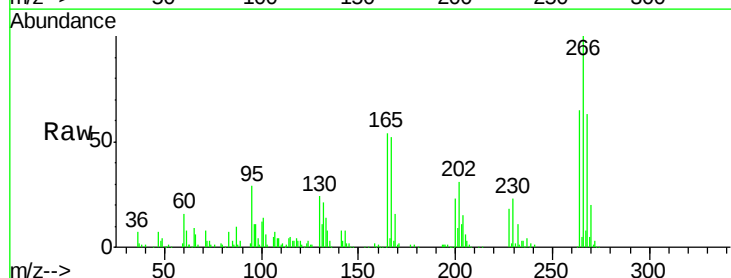
Tgt Ion:266 Resp: 216179

Ion Ratio Lower Upper

266 100

268 63.5 51.0 76.6

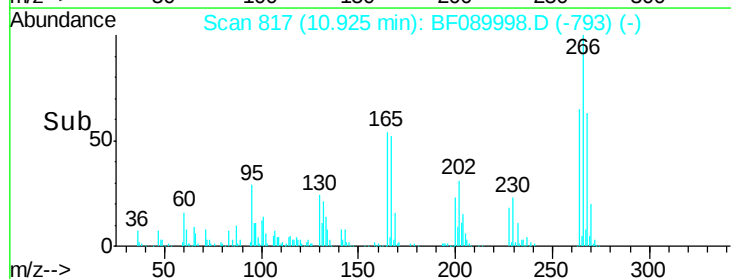
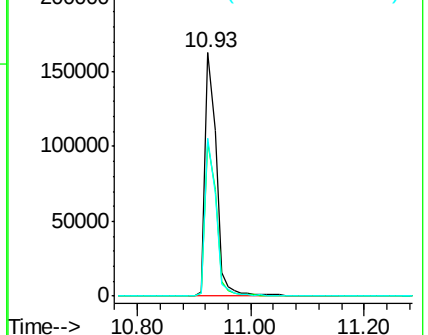
264 64.7 50.6 75.8

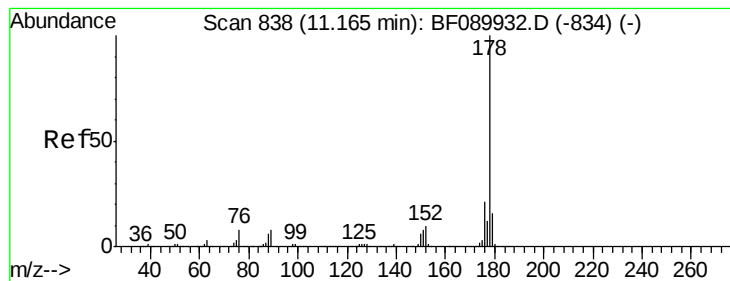


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 37.45 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

Instrument :

BNA_F

ClientSampleId :

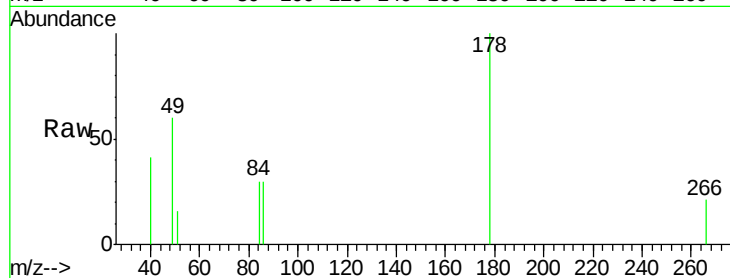
Tot Ion:178 Resp: 1658

Ion Ratio Lower Upper

178 100

176 0.0 16.5 24.7#

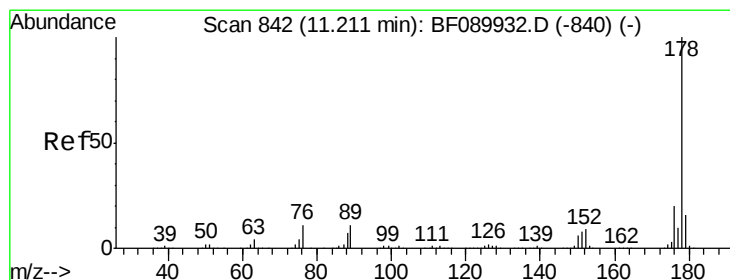
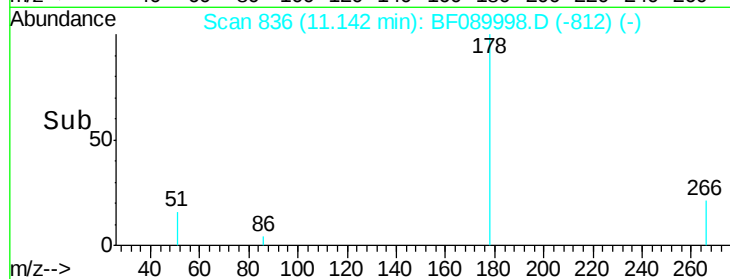
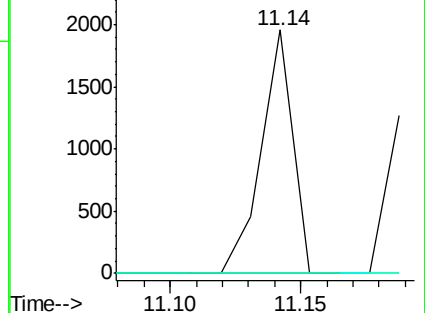
179 0.0 12.8 19.2#



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



#71

Anthracene

Concen: 28.77 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

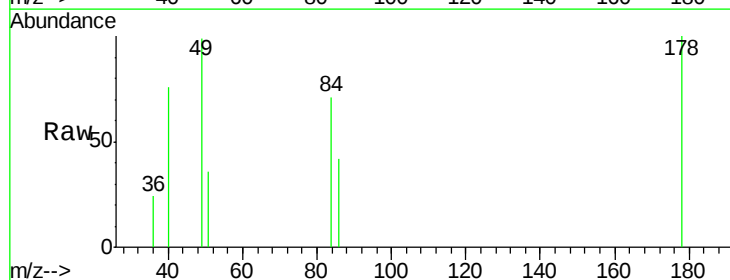
Tgt Ion:178 Resp: 1292

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

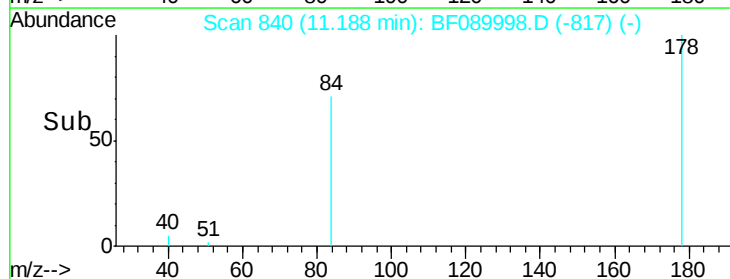
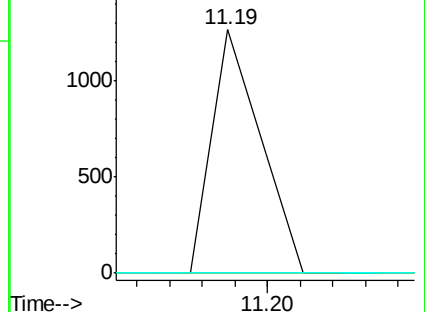
179 0.0 13.0 19.4#

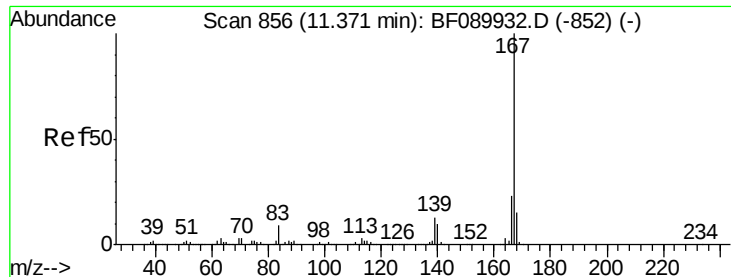


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 35.56 ng

RT: 11.36 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

Instrument :

BNA_F

ClientSampleId :

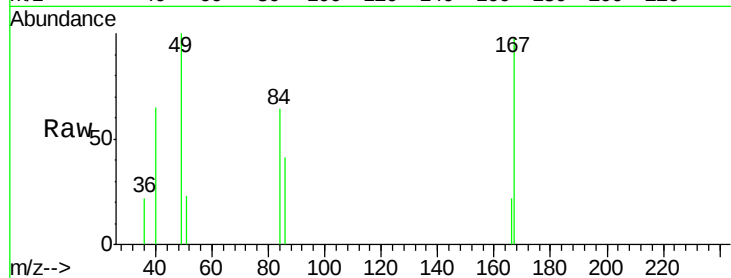
Tot Ion:167 Resp: 1497

Ion Ratio Lower Upper

167 100

166 22.7 18.1 27.1

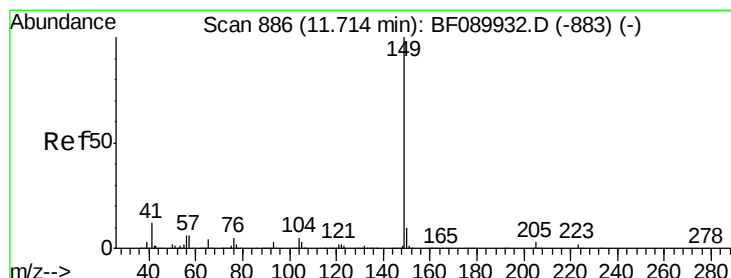
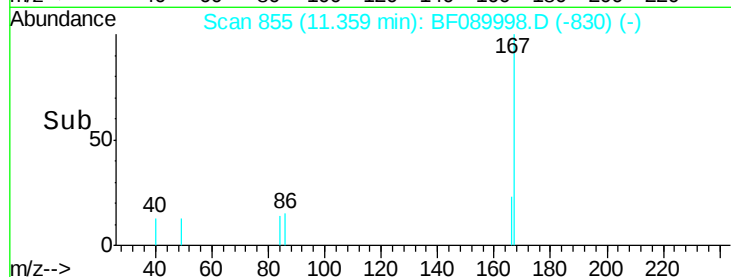
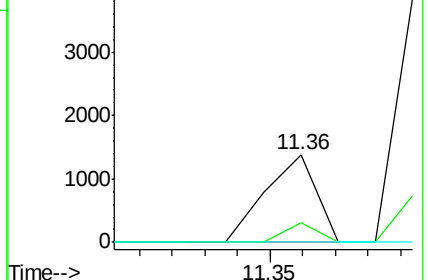
139 0.0 10.4 15.6#



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



#73

Di-n-butylphthalate

Concen: 61.89 ng

RT: 11.70 min Scan# 885

Delta R.T. -0.02 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

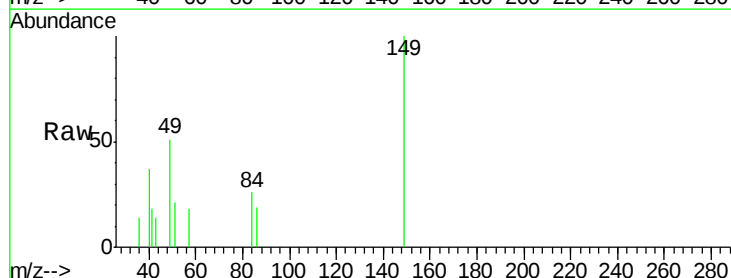
Tgt Ion:149 Resp: 3037

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.8#

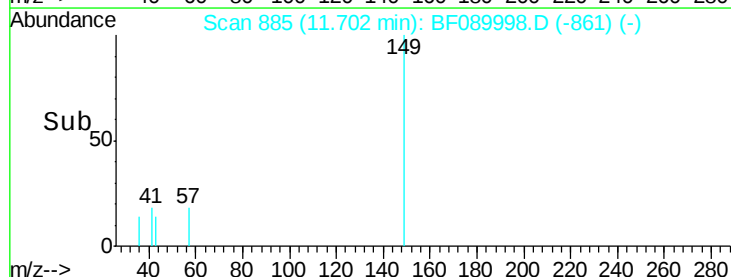
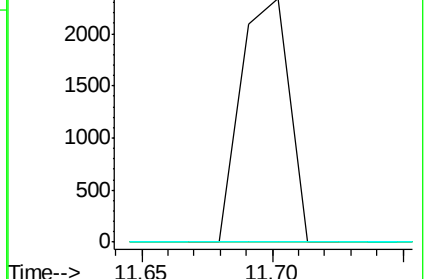
104 0.0 3.9 5.9#

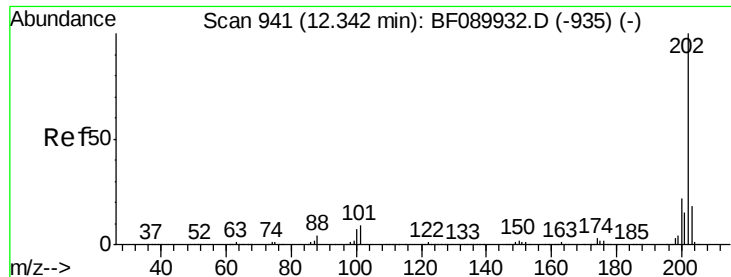


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

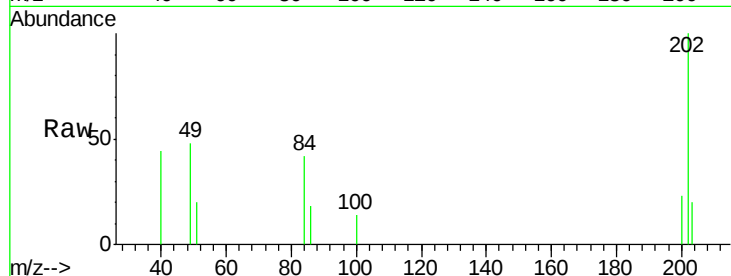




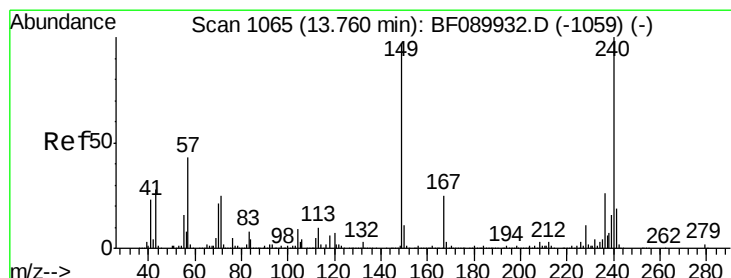
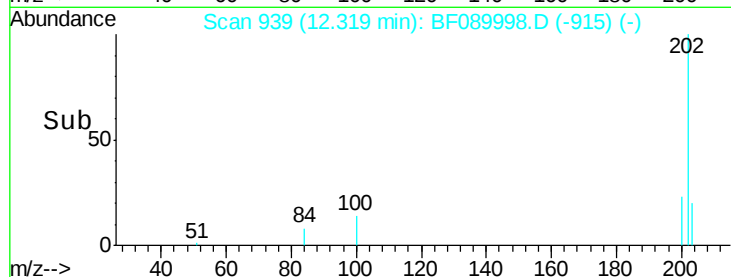
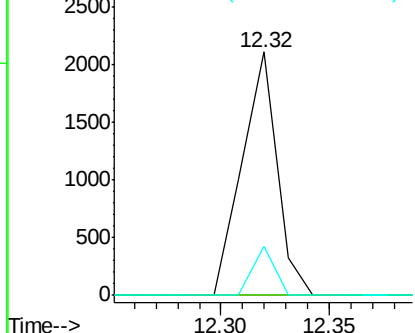
#74
 Fluoranthene
 Concen: 50.70 ng
 RT: 12.32 min Scan# 939
 Delta R.T. -0.02 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.5
203	20.2	0.0	38.0

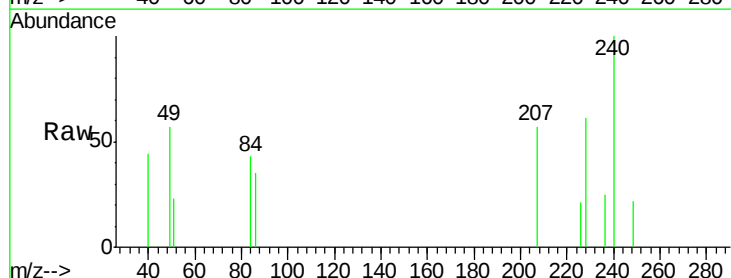


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

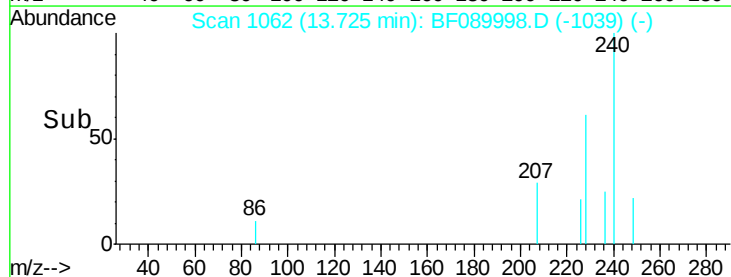
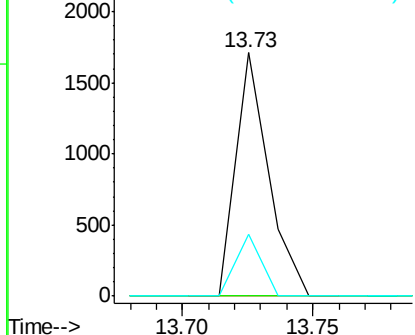


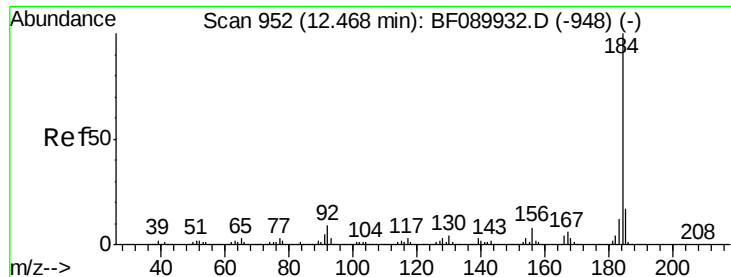
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.03 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.0	5.7	8.5#
236	25.2	21.3	31.9



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





#76

Benzidine

Concen: 18846.09 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

Instrument :

BNA_F

ClientSampleId :

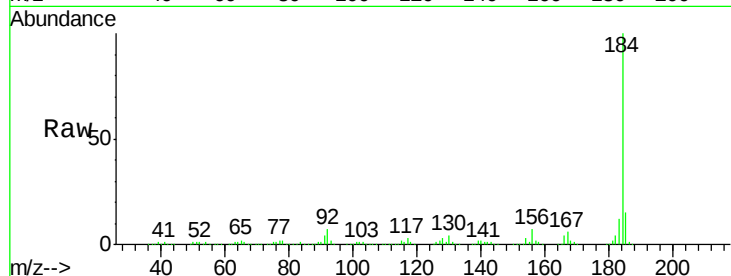
Tot Ion:184 Resp: 1067353

Ion Ratio Lower Upper

184 100

185 14.5 13.8 20.8

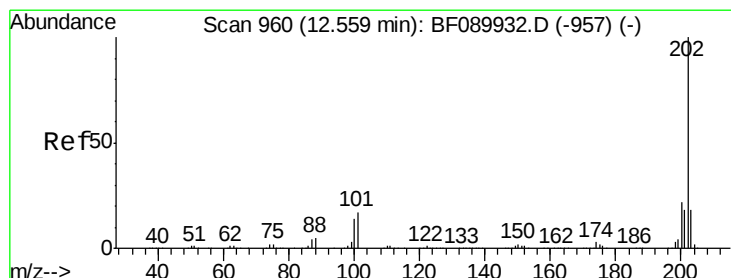
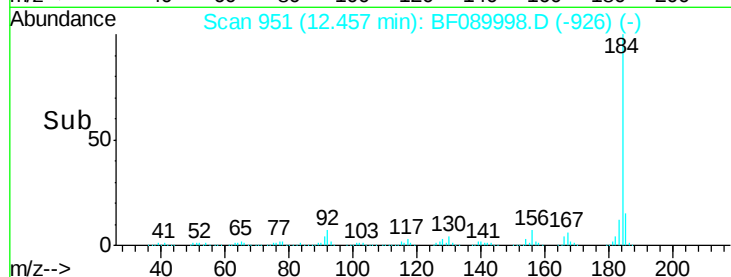
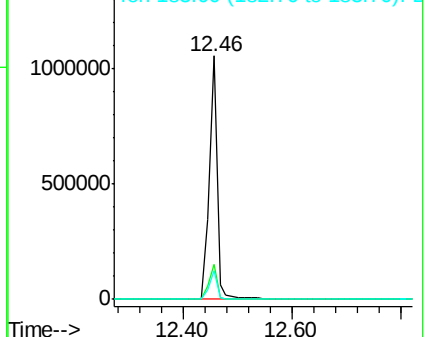
183 11.9 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 22.31 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.25 min

Lab File: BF089998.D

Acq: 7 Sep 2016 11:58

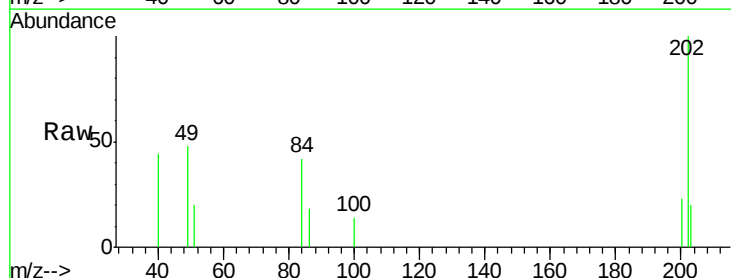
Tgt Ion:202 Resp: 2352

Ion Ratio Lower Upper

202 100

200 23.4 17.6 26.4

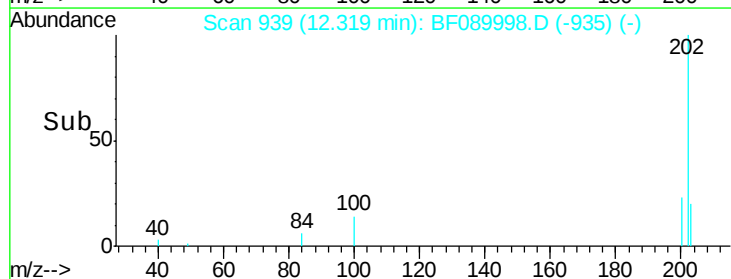
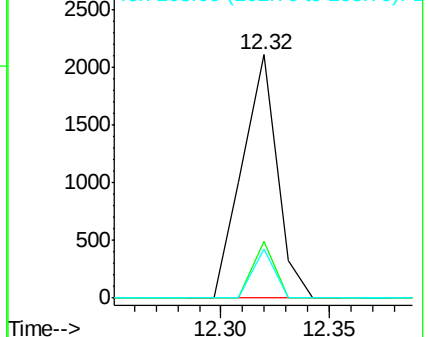
203 20.2 14.6 21.8

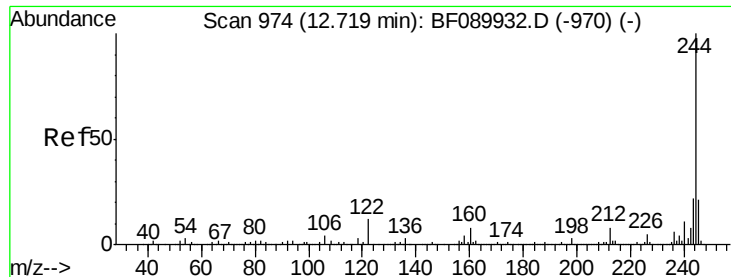


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

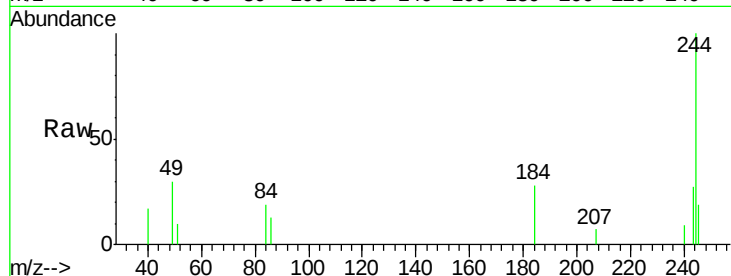




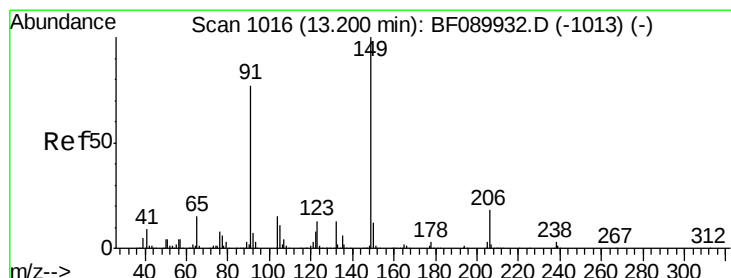
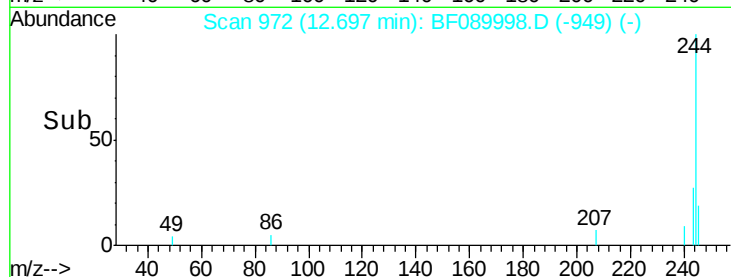
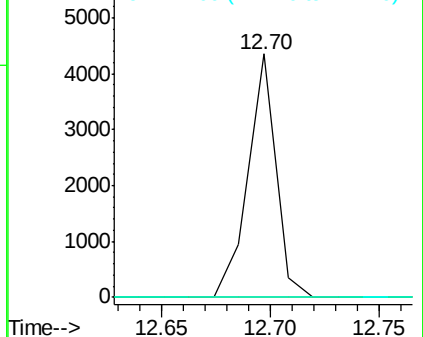
#78
 Terphenyl-d14
 Concen: 64.13 ng
 RT: 12.70 min Scan# 972
 Delta R.T. -0.03 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
244	100		
212	0.0	6.1	9.1#
122	0.0	9.6	14.4#

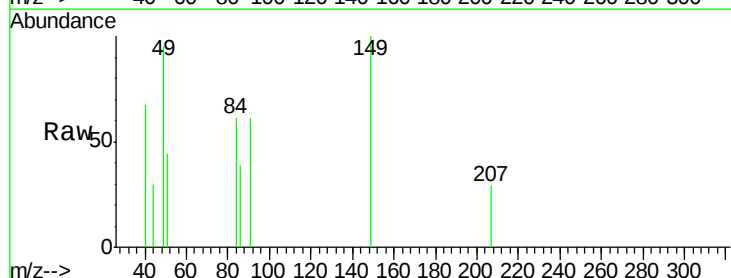


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

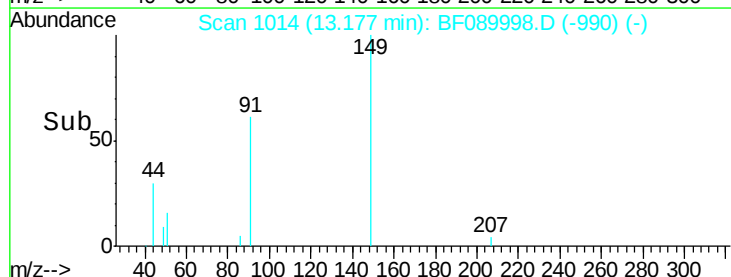
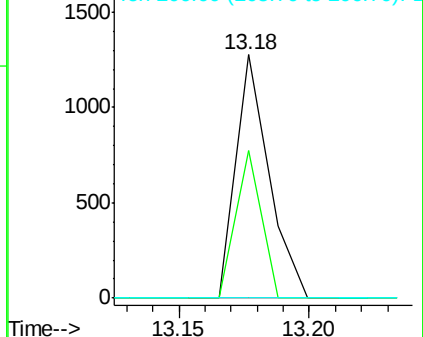


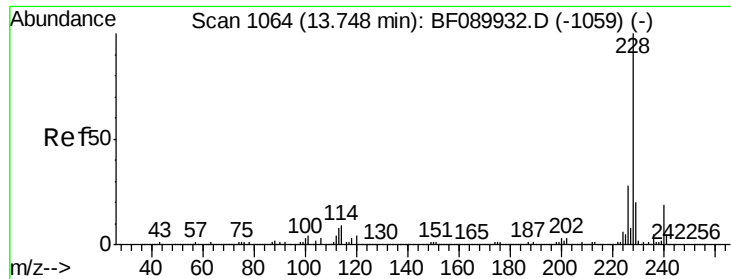
#79
 Butylbenzylphthalate
 Concen: 26.72 ng
 RT: 13.18 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Tgt Ion	Ratio	Lower	Upper
149	100		
91	60.8	60.0	90.0
206	0.0	15.1	22.7#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E

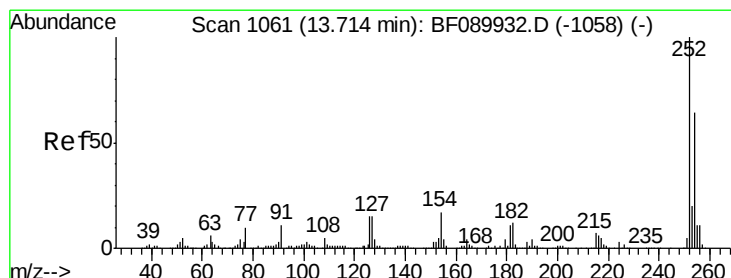
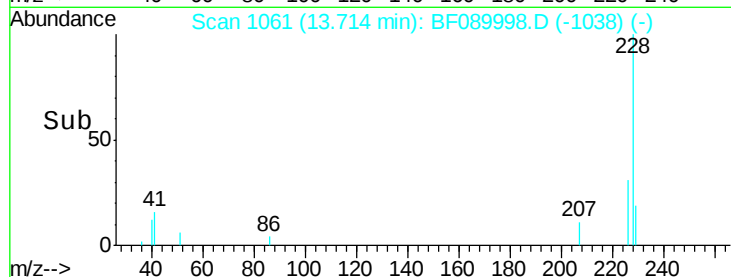
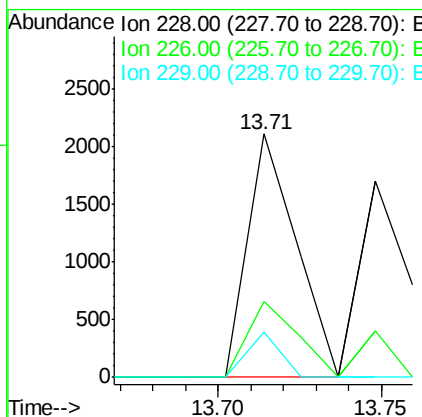
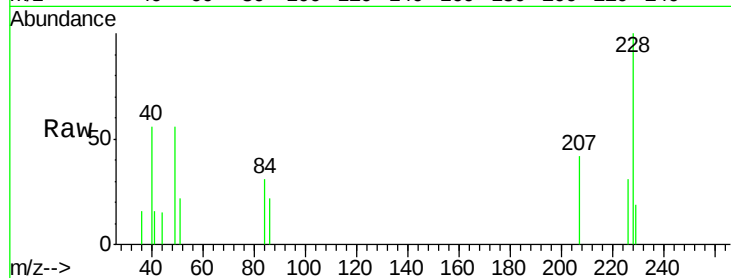




#80
Benzo(a)anthracene
Concen: 23.70 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

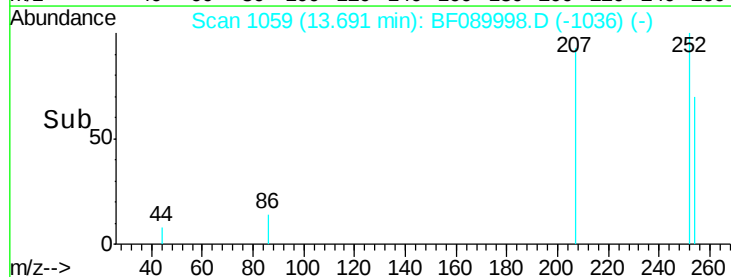
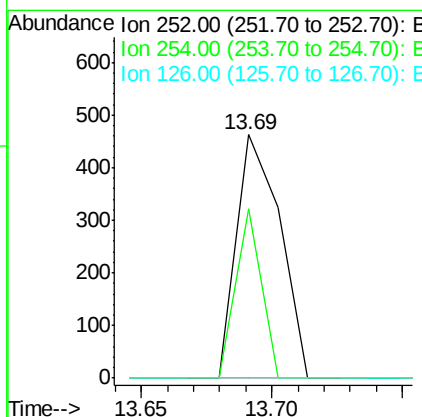
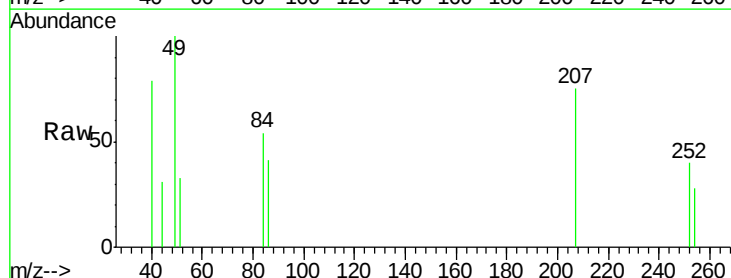
Instrument :
BNA_F
ClientSampleId :

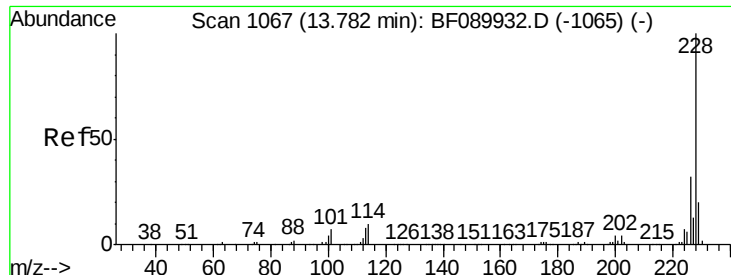
Tot Ion:228 Resp: 2170
Ion Ratio Lower Upper
228 100
226 31.2 22.2 33.2
229 18.6 15.8 23.6



#81
3,3'-Dichlorobenzidine
Concen: 16.34 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Tgt Ion:252 Resp: 540
Ion Ratio Lower Upper
252 100
254 69.5 51.3 76.9
126 0.0 12.3 18.5#

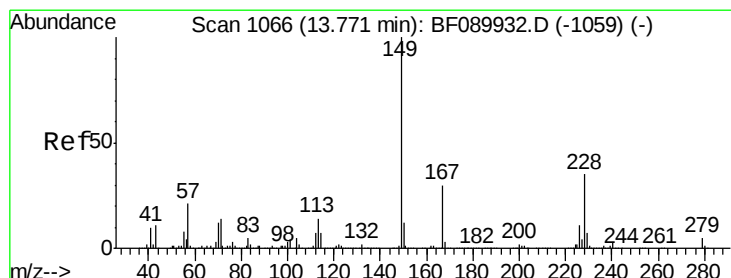
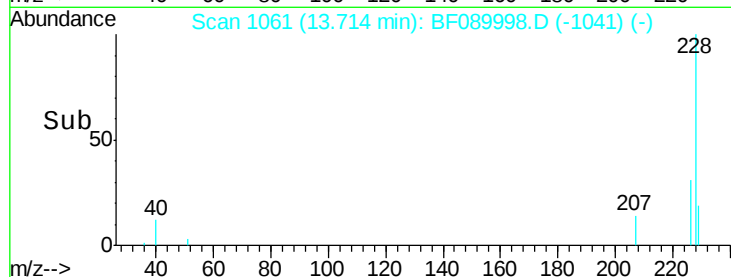
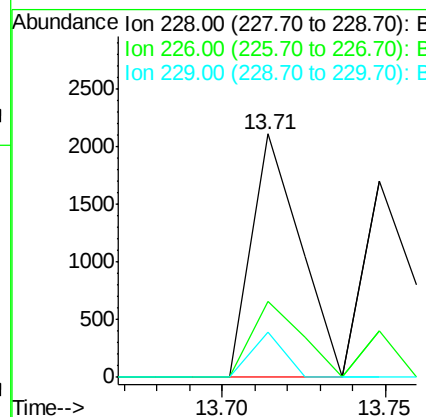
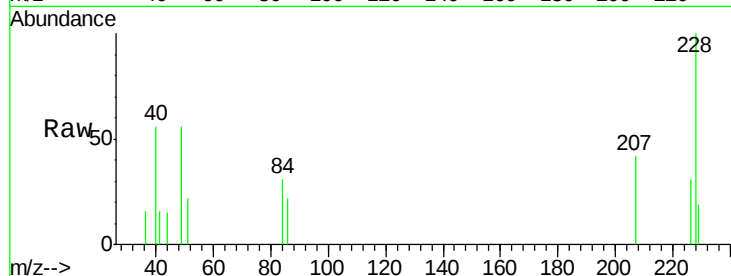




#82
 Chrysene
 Concen: 25.37 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.07 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

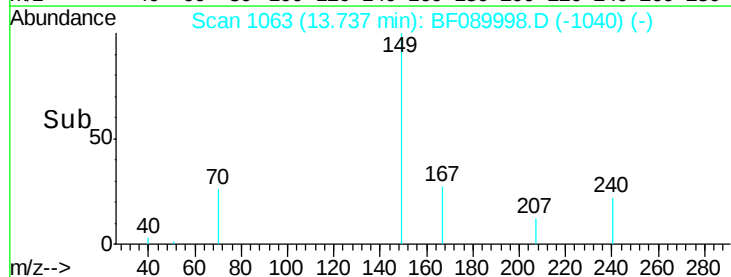
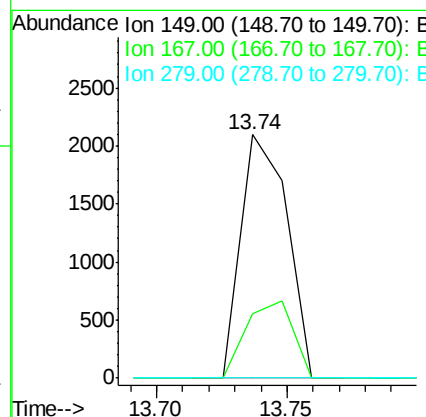
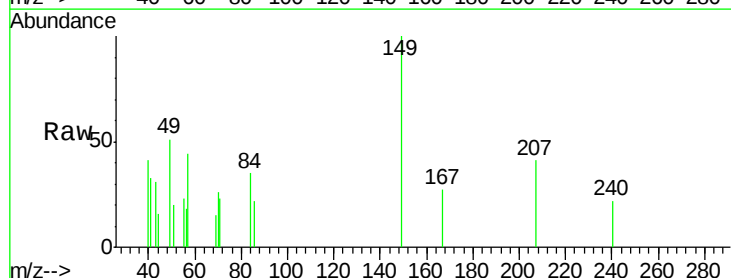
Instrument :
 BNA_F
 ClientSampleId :

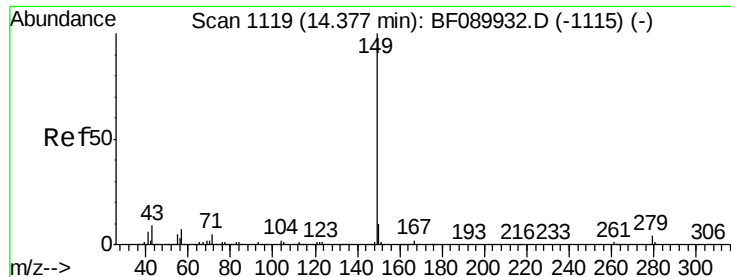
Tot Ion:228 Resp: 2170
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.2 37.8
 229 18.6 16.2 24.2



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.29 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.03 min
 Lab File: BF089998.D
 Acq: 7 Sep 2016 11:58

Tgt Ion:149 Resp: 2604
 Ion Ratio Lower Upper
 149 100
 167 26.7 23.6 35.4
 279 0.0 3.4 5.2#

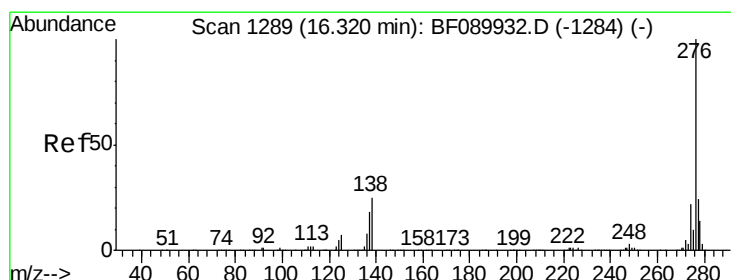
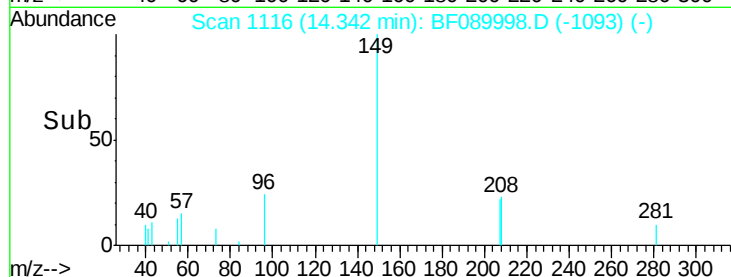
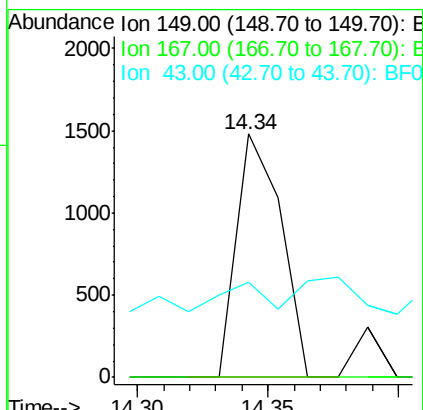
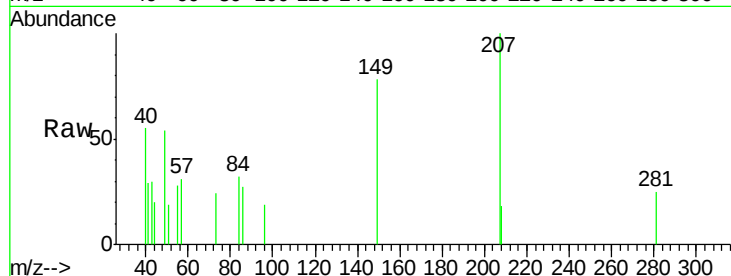




#84
Di-n-octyl phthalate
Concen: 18.62 ng
RT: 14.34 min Scan# 1116
Delta R.T. -0.03 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

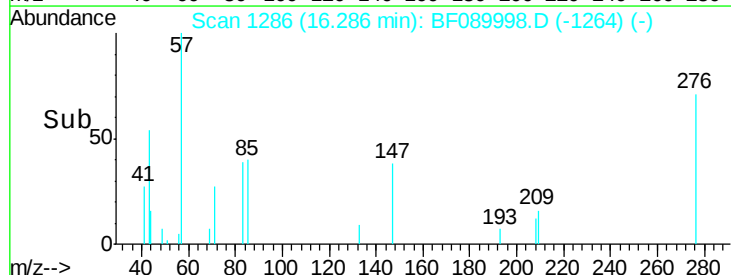
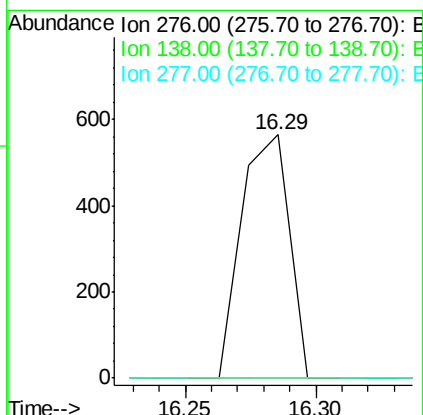
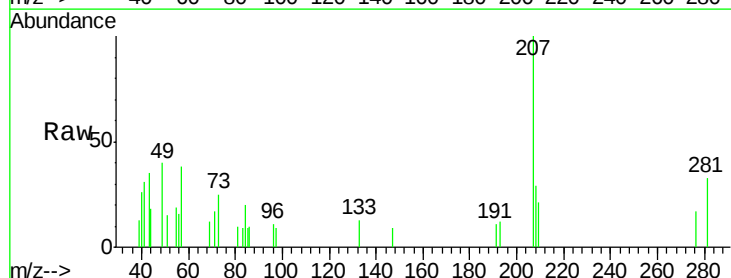
Instrument :
BNA_F
ClientSampleId :

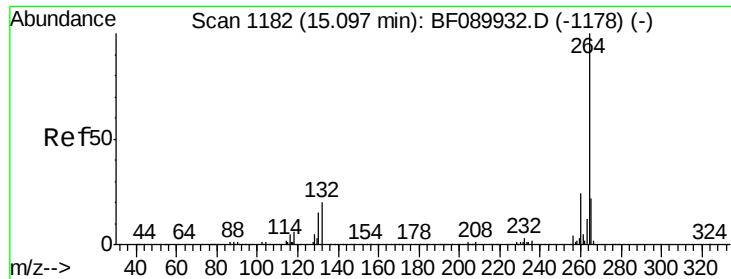
Tot Ion:149 Resp: 1767
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 138.4 9.3 13.9#



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.50 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.05 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Tgt Ion:276 Resp: 727
Ion Ratio Lower Upper
276 100
138 0.0 22.6 34.0#
277 0.0 20.1 30.1#

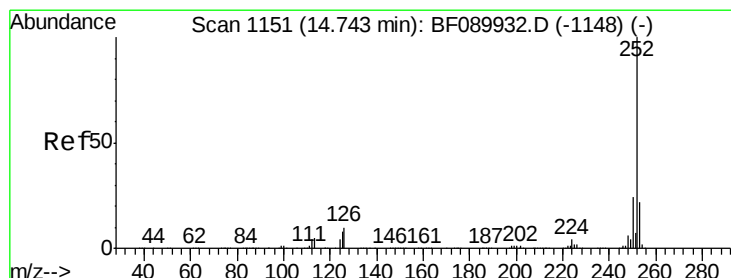
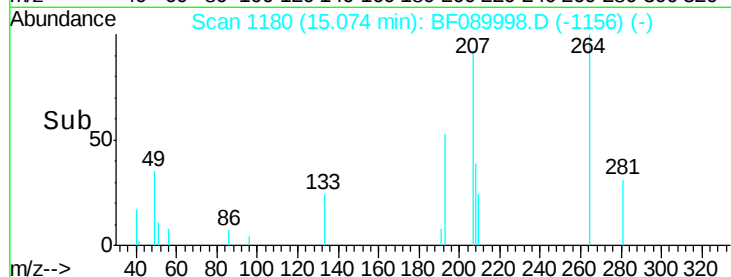
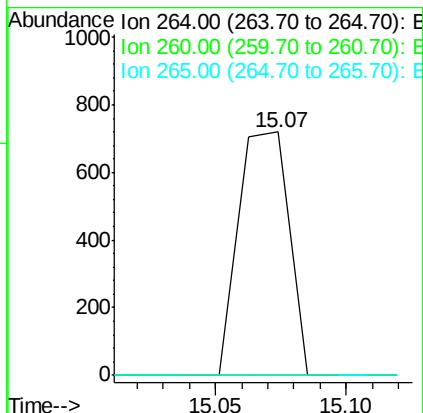
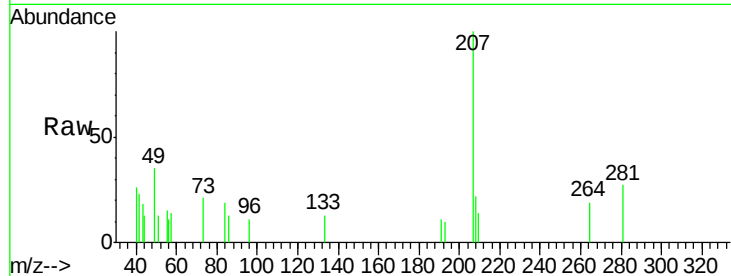




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

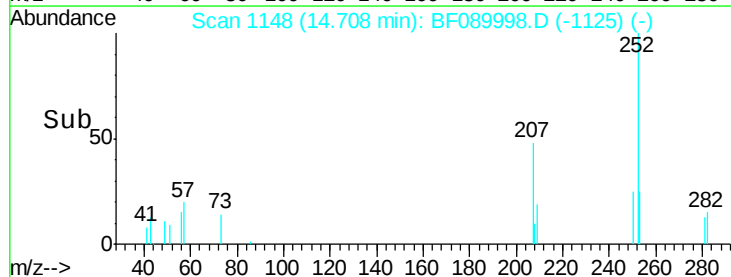
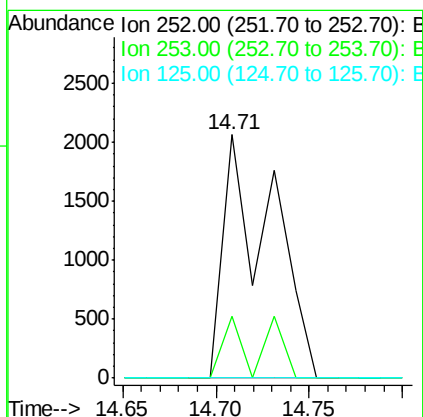
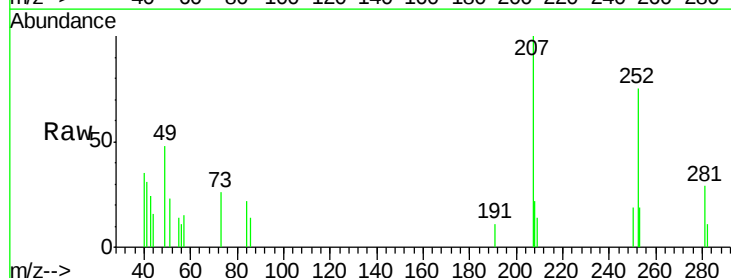
Instrument :
BNA_F
ClientSampleId :

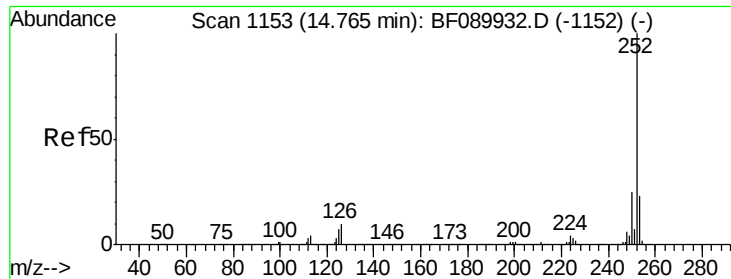
Tot Ion:264 Resp: 977
Ion Ratio Lower Upper
264 100
260 0.0 19.4 29.0#
265 0.0 17.4 26.2#



#87
Benzo(b)fluoranthene
Concen: 59.95 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Tgt Ion:252 Resp: 3669
Ion Ratio Lower Upper
252 100
253 25.2 18.0 27.0
125 0.0 5.7 8.5#

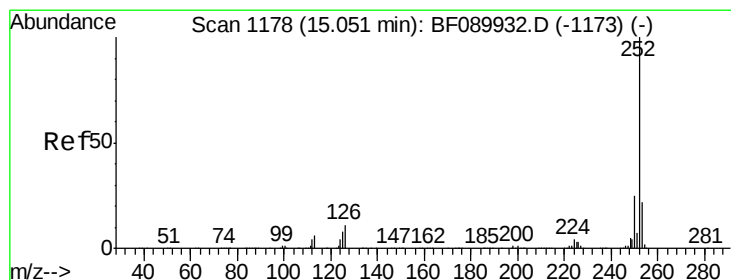
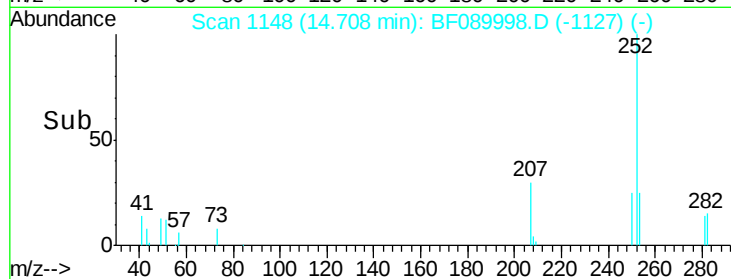
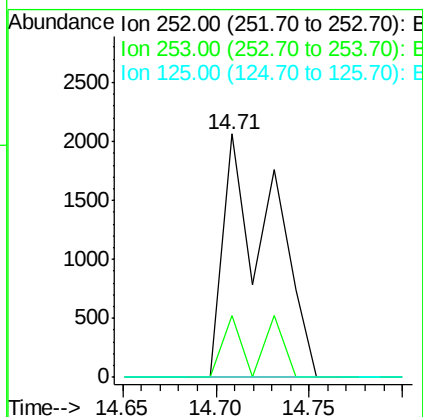
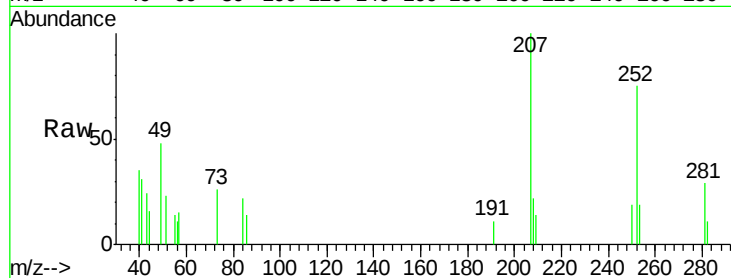




#88
Benzo(k)fluoranthene
Concen: 70.64 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

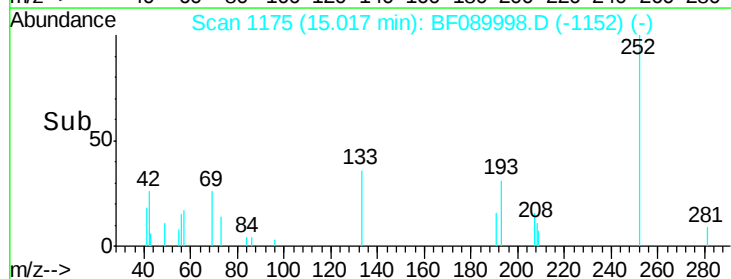
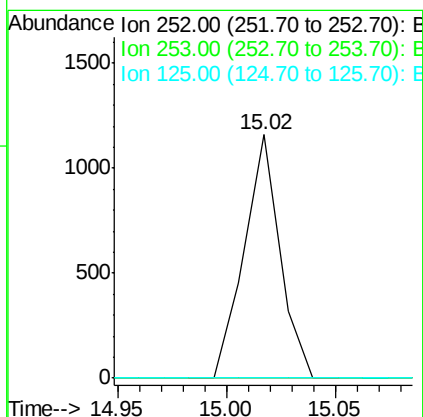
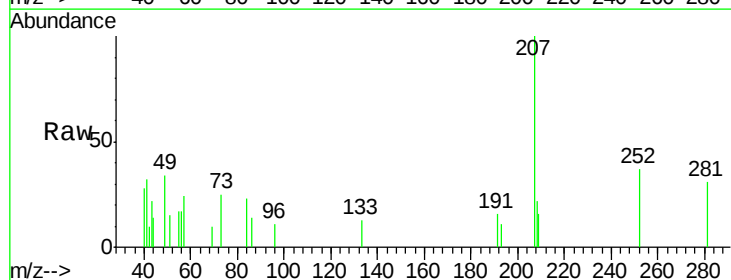
Instrument :
BNA_F
ClientSampleId :

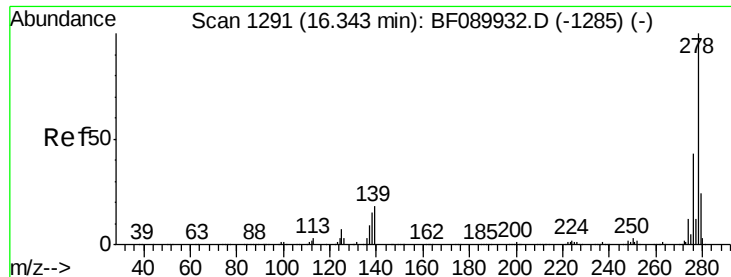
Tot Ion:252 Resp: 3669
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 0.0 7.3 10.9#



#89
Benzo(a)pyrene
Concen: 25.29 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.03 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Tgt Ion:252 Resp: 1326
Ion Ratio Lower Upper
252 100
253 0.0 17.5 26.3#
125 0.0 6.3 9.5#

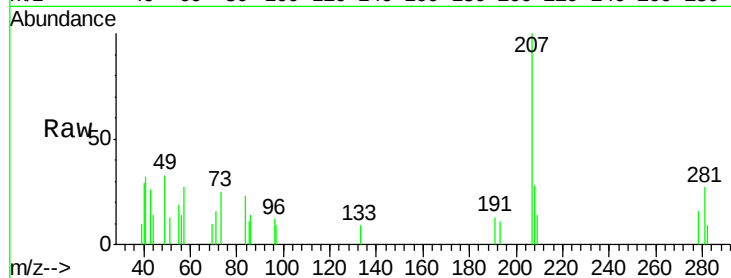




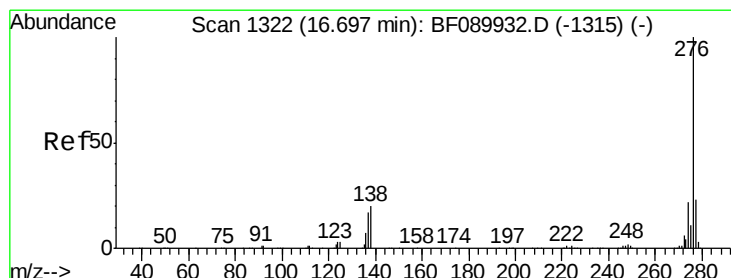
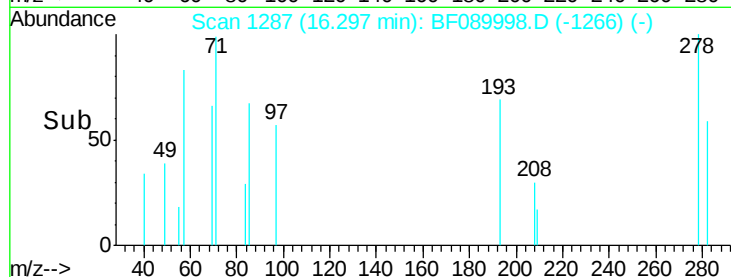
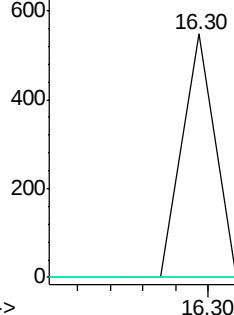
#90
Dibenzo(a,h)anthracene
Concen: 9.79 ng
RT: 16.30 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.2#
279	0.0	19.4	29.2#

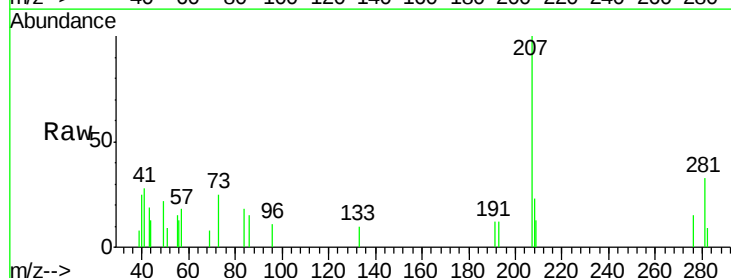


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 27.18 ng
RT: 16.64 min Scan# 1317
Delta R.T. -0.07 min
Lab File: BF089998.D
Acq: 7 Sep 2016 11:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.0	28.4#
138	0.0	16.4	24.6#



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

