

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097046.D
 Acq On : 25 Jul 2017 23:12
 Operator : SJ/JU
 Sample : I4290-01RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 01:07:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

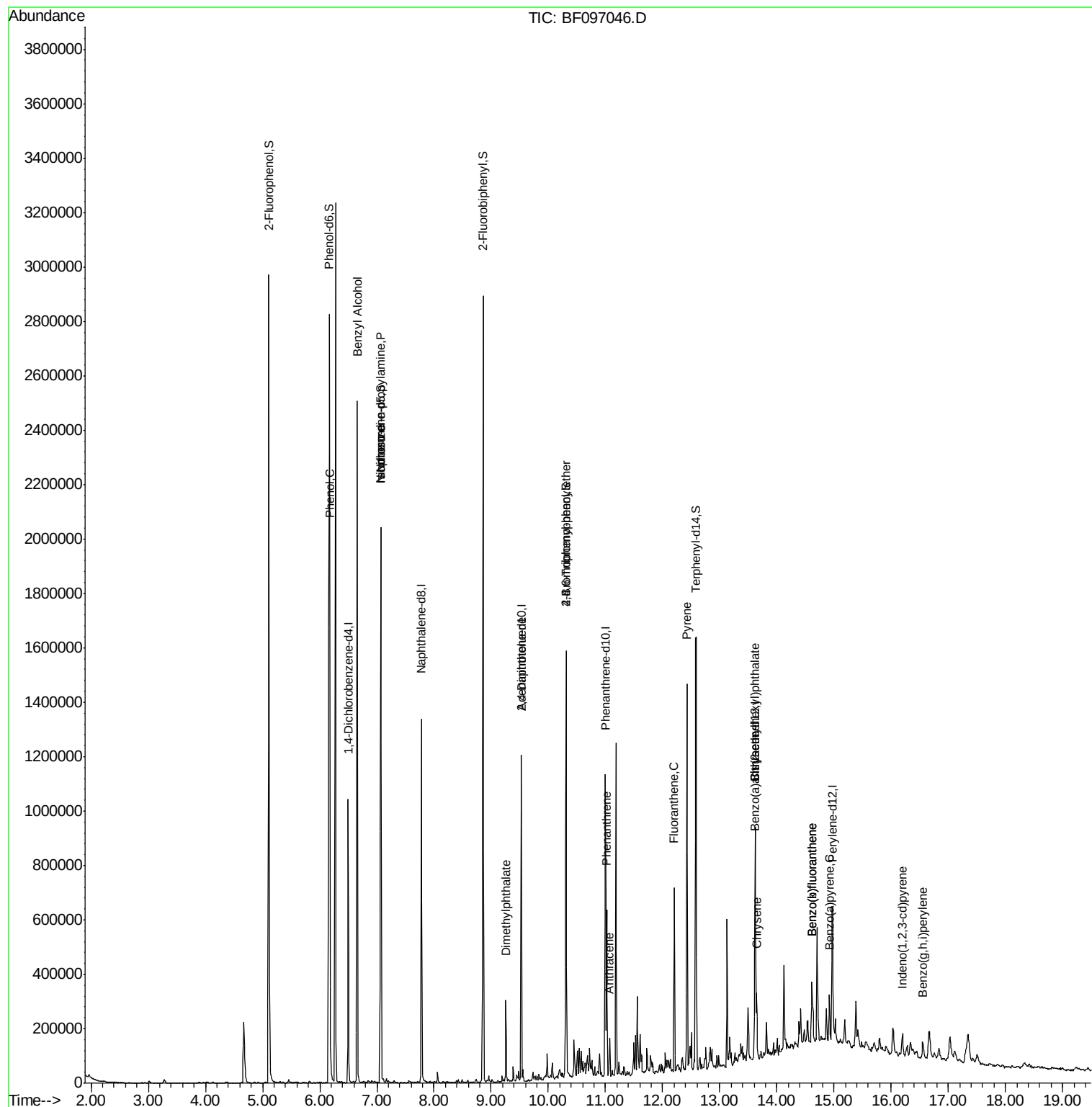
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	141953	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	564727	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	232196	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	357077	20.00	ng	0.00
75) Chrysene-d12	13.62	240	224790	20.00	ng	0.00
86) Perylene-d12	14.97	264	204845	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	973188	103.35	ng	0.01
7) Phenol-d6	6.17	99	1192619	110.94	ng	0.00
23) Nitrobenzene-d5	7.07	82	703341	73.06	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	190563	103.87	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	941984	68.85	ng	0.00
78) Terphenyl-d14	12.59	244	526489	47.75	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.18	94	48974	3.84	ng	93
15) Benzyl Alcohol	6.66	79	13734	2.02	ng	# 29
19) n-Nitroso-di-n-propylamine	7.07	70	96841	13.69	ng	# 88
25) Isophorone	7.07	82	694960	36.86	ng	# 67
49) Dimethylphthalate	9.26	163	104805	5.94	ng	99
56) 2,4-Dinitrotoluene	9.53	165	28997	6.74	ng	# 34
66) 4-Bromophenyl-phenylether	10.32	248	12066	3.39	ng	# 1
70) Phenanthrene	11.02	178	205898	10.76	ng	98
71) Anthracene	11.07	178	48409	2.47	ng	97
74) Fluoranthene	12.20	202	254739	13.59	ng	98
77) Pyrene	12.43	202	210898	11.46	ng	99
80) Benzo(a)anthracene	13.61	228	94884	6.52	ng	98
82) Chrysene	13.64	228	87795	6.18	ng	96
83) Bis(2-ethylhexyl)phthalate	13.63	149	25302	2.07	ng	98
85) Indeno(1,2,3-cd)pyrene	16.20	276	41392	3.40	ng	93
87) Benzo(b)fluoranthene	14.61	252	131412	10.67	ng	98
88) Benzo(k)fluoranthene	14.61	252	131412	11.20	ng	98
89) Benzo(a)pyrene	14.92	252	69797	6.19	ng	96
91) Benzo(a,h,i)perylene	16.56	276	37735	3.89	ng	# 90

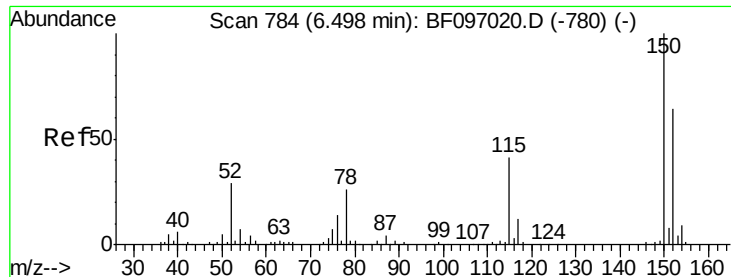
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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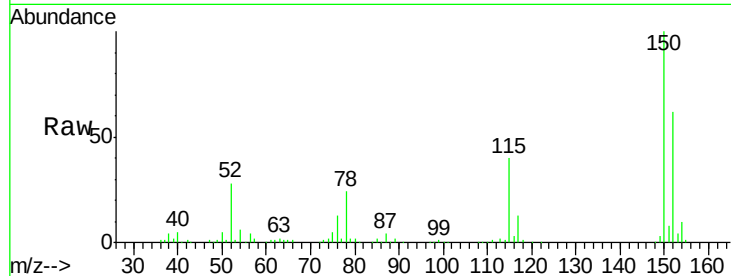


#1

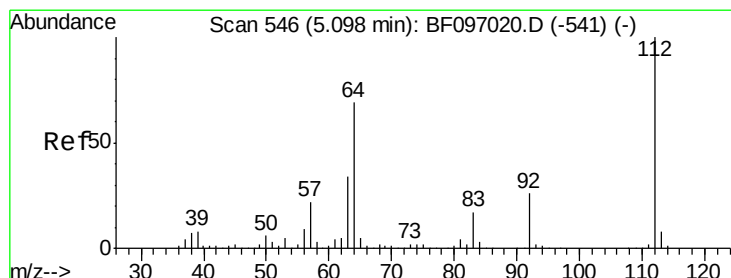
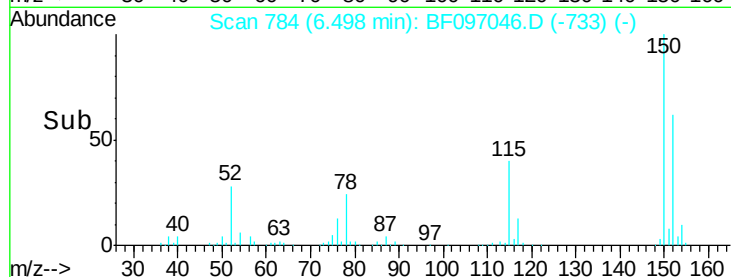
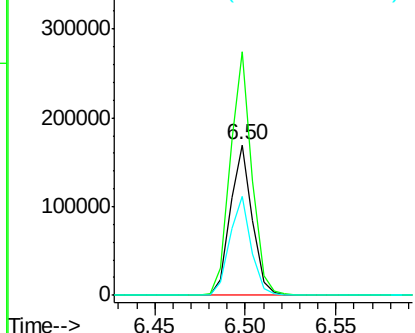
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141953
Ion Ratio Lower Upper
152 100
150 161.7 126.2 189.2
115 65.5 52.2 78.2



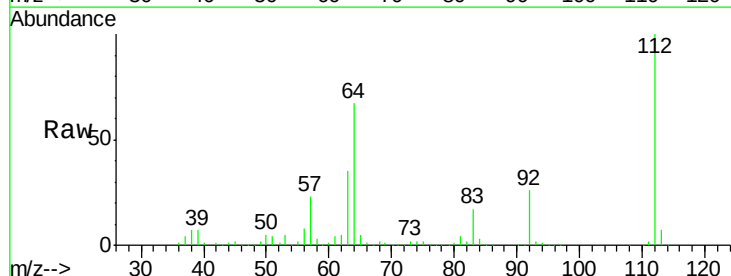
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



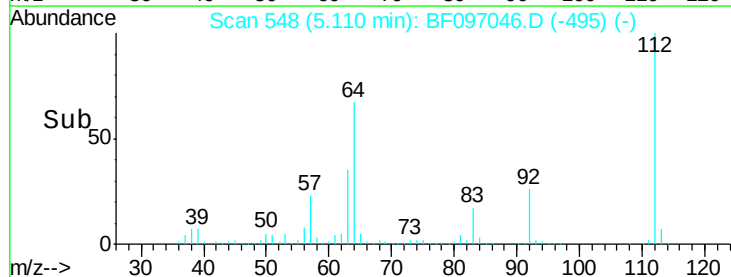
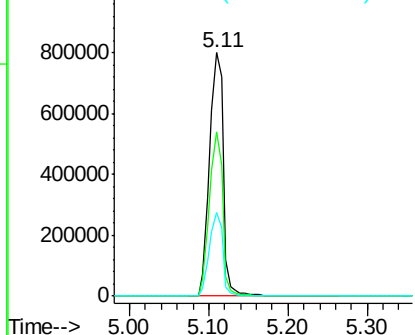
#5

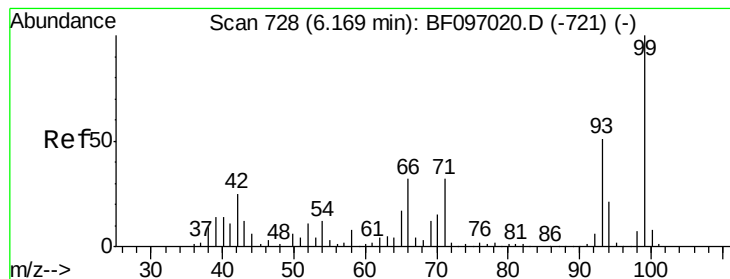
2-Fluorophenol
Concen: 103.35 ng
RT: 5.11 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion:112 Resp: 973188
Ion Ratio Lower Upper
112 100
64 67.2 46.0 69.0
63 34.6 23.4 35.0



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: 110.94 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

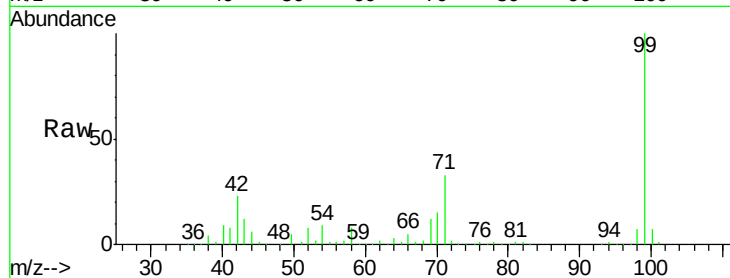
Instrument :

BNA_F

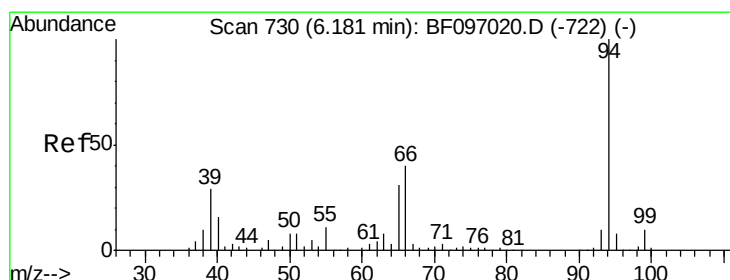
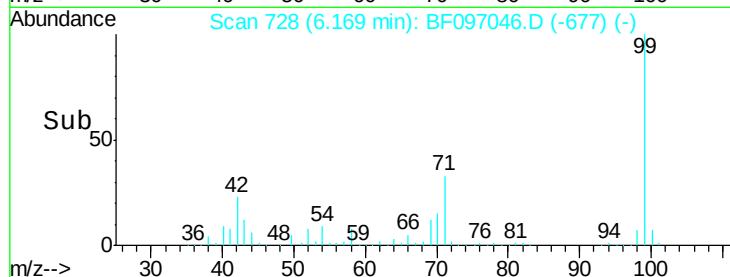
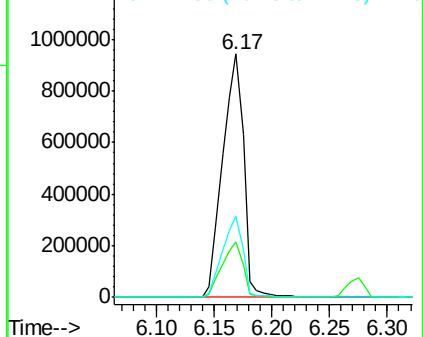
ClientSampled :

Tot Ion: 99 Resp: 1192619

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	33.2	24.5	36.7



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: 3.84 ng

RT: 6.18 min Scan# 730

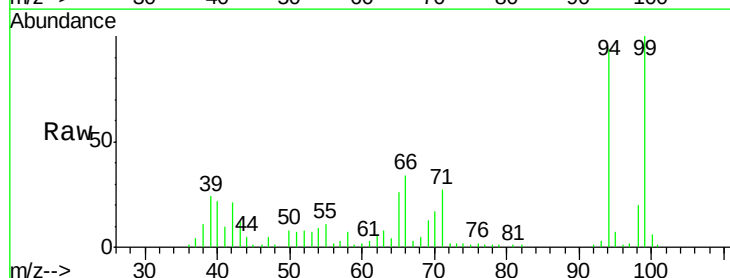
Delta R.T. -0.00 min

Lab File: BF097046.D

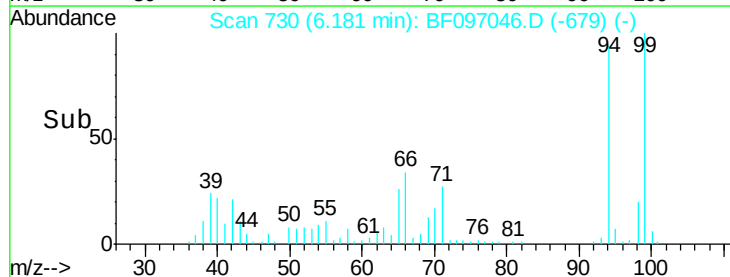
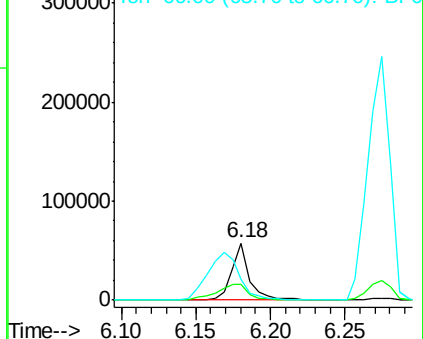
Acq: 25 Jul 2017 23:12

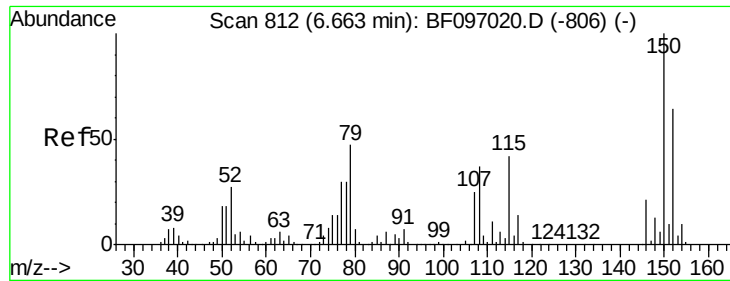
Tgt Ion: 94 Resp: 48974

Ion	Ratio	Lower	Upper
94	100		
65	27.9	9.9	49.9
66	36.8	23.1	63.1



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





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.66 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampled :

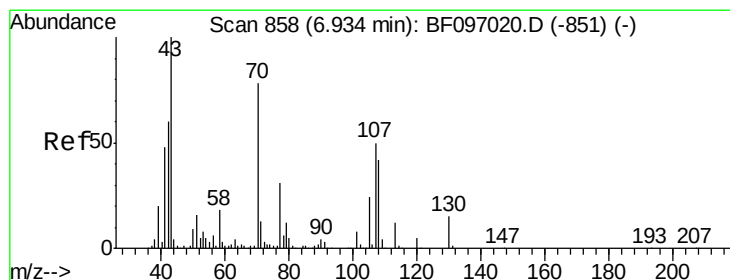
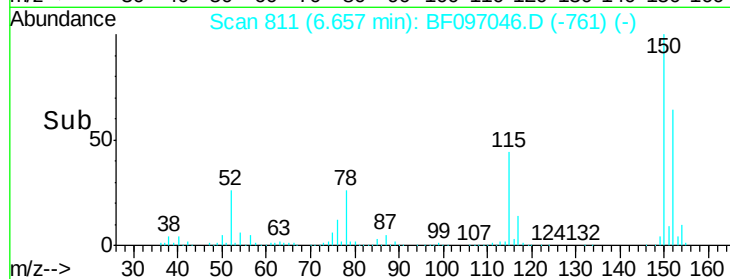
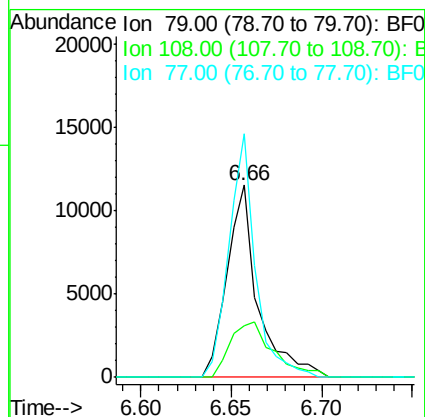
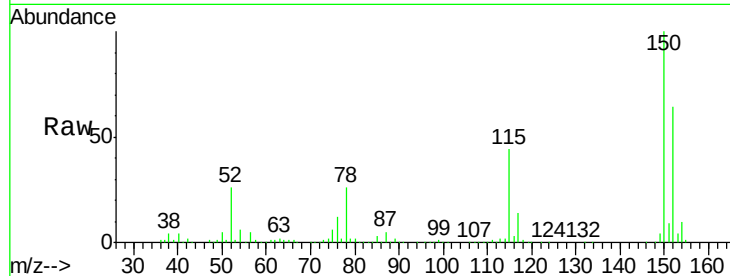
Tot Ion: 79 Resp: 13734

Ion Ratio Lower Upper

79 100

108 26.5 63.4 95.0#

77 126.6 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.69 ng

RT: 7.07 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Tgt Ion: 70 Resp: 96841

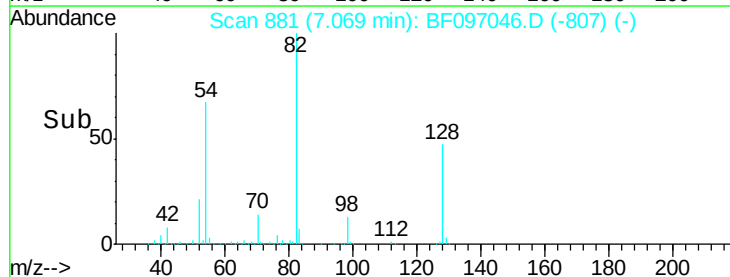
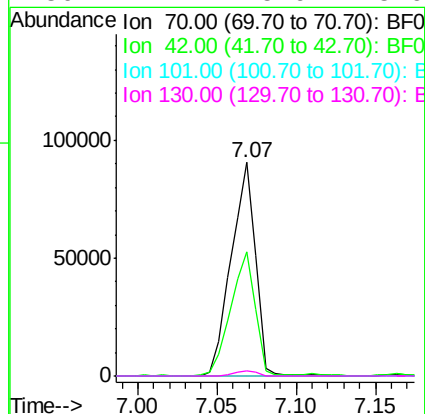
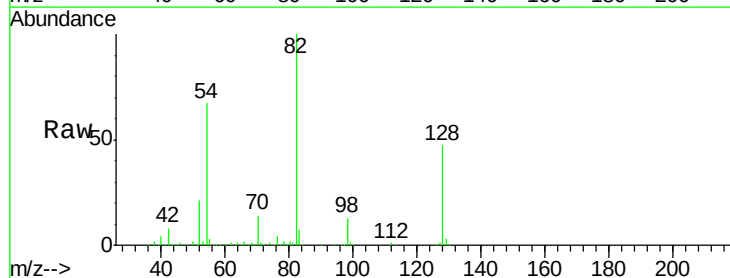
Ion Ratio Lower Upper

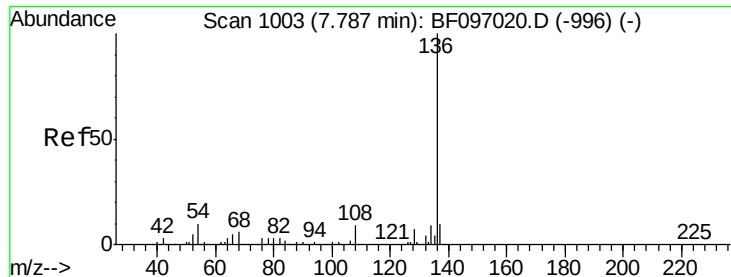
70 100

42 57.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

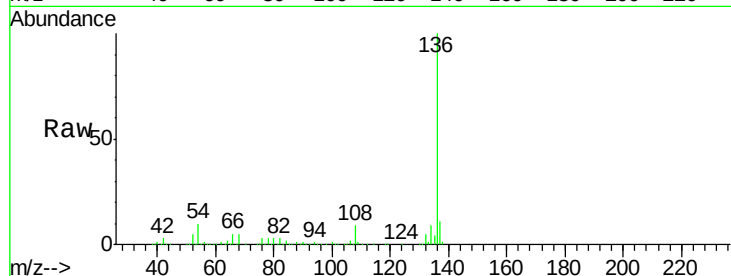




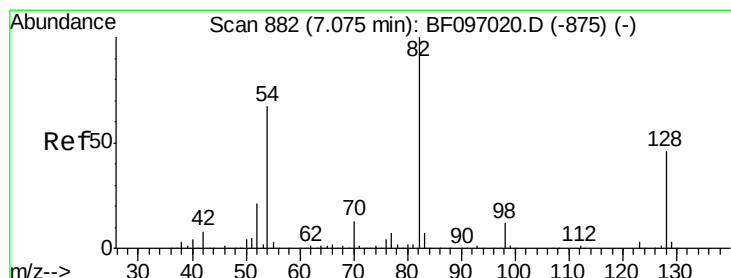
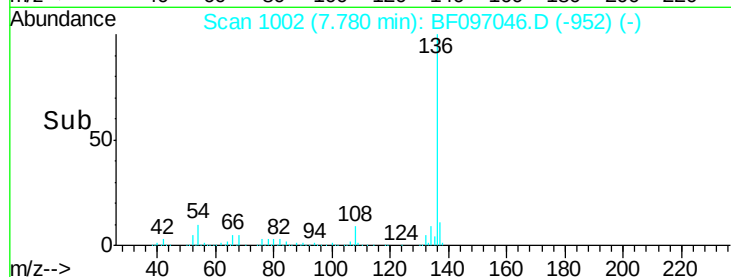
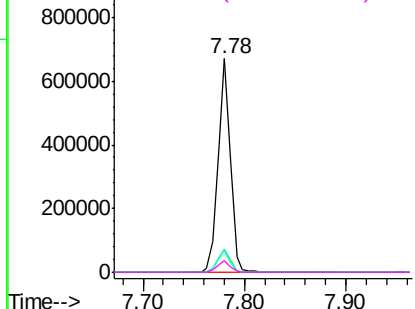
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	564727
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.5 12.7
54	10.0	4.9 7.3#
68	5.4	4.1 6.1

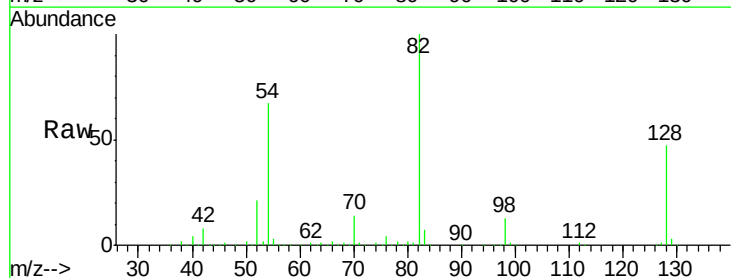


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

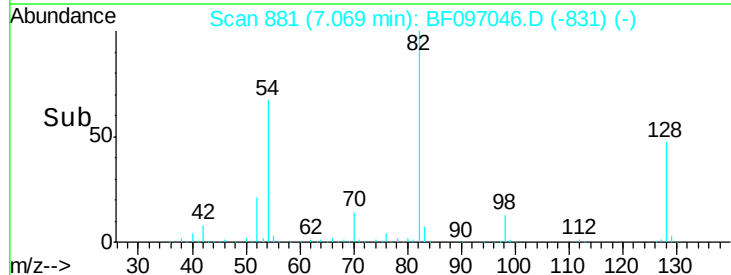
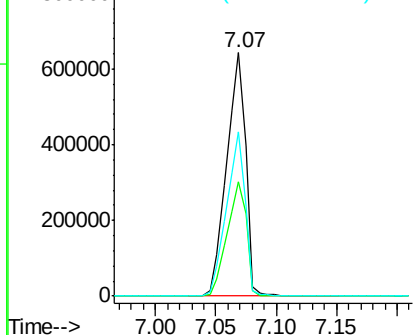


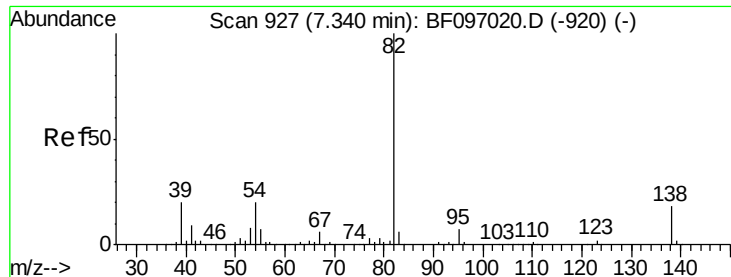
#23
Nitrobenzene-d5
Concen: 73.06 ng
RT: 7.07 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion: 82	Resp:	703341
Ion	Ratio	Lower Upper
82	100	
128	46.9	34.0 51.0
54	67.3	42.2 63.2#



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





#25

Isophorone

Concen: 36.86 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

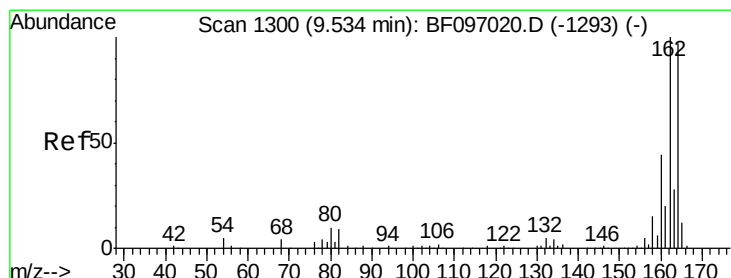
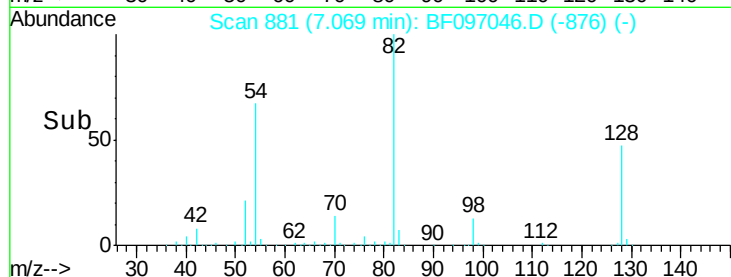
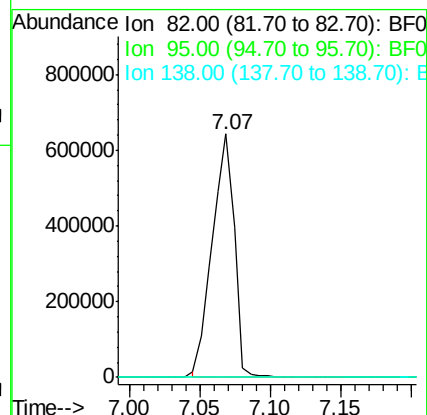
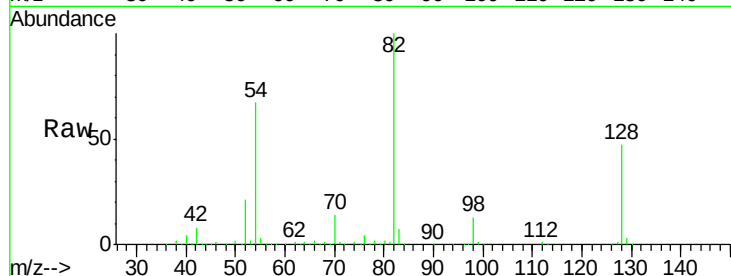
Tot Ion: 82 Resp: 694960

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

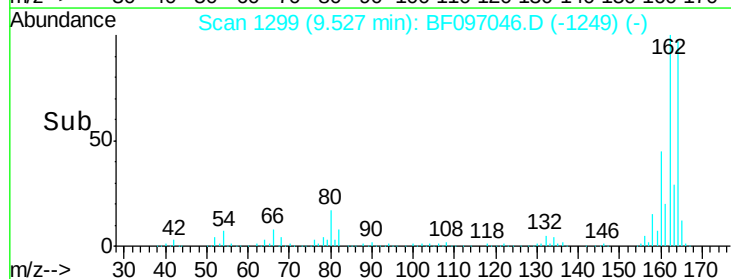
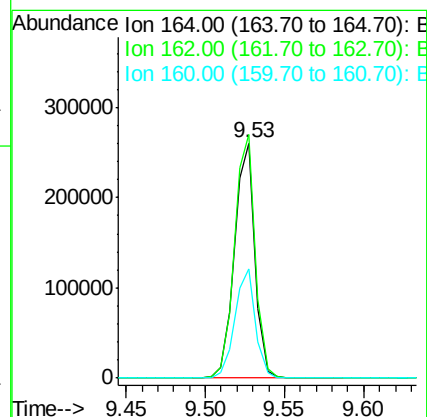
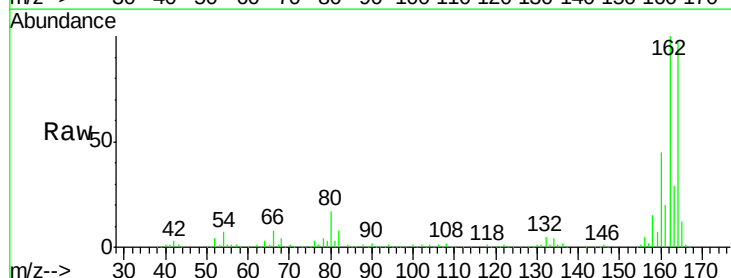
Tgt Ion: 164 Resp: 232196

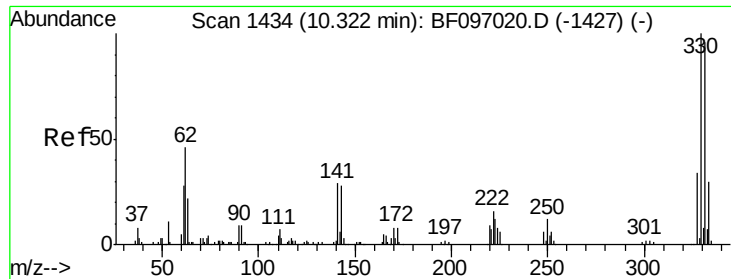
Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

160 46.6 36.2 54.2

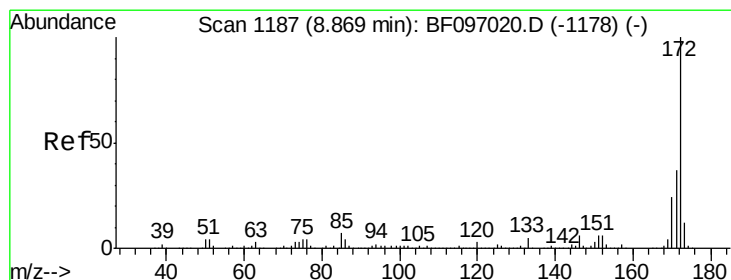
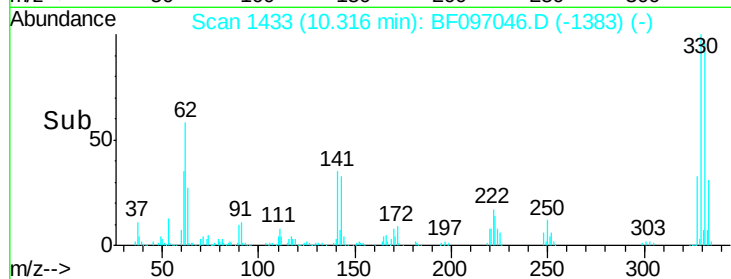
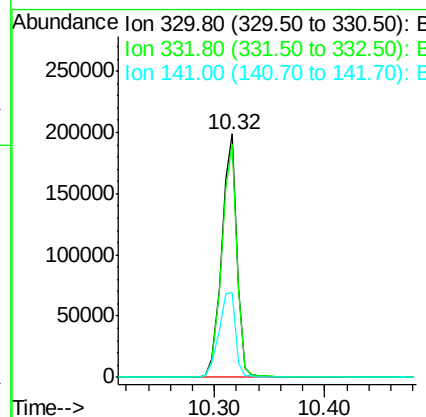
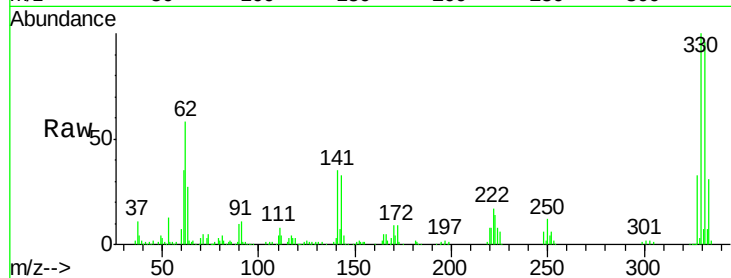




#41
 2,4,6-Tribromophenol
 Concen: 103.87 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097046.D
 Acq: 25 Jul 2017 23:12

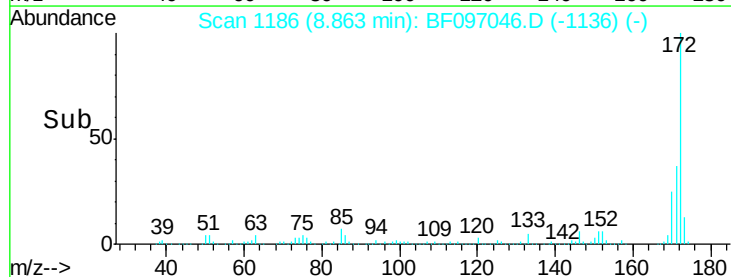
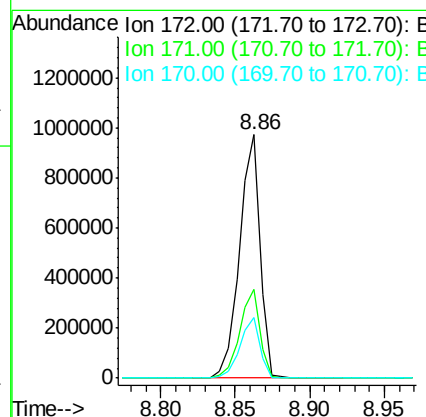
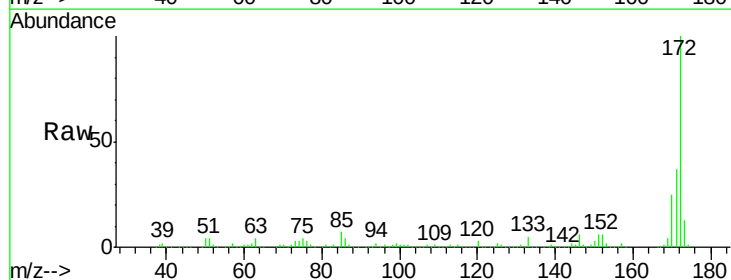
Instrument :
 BNA_F
 ClientSampleId :

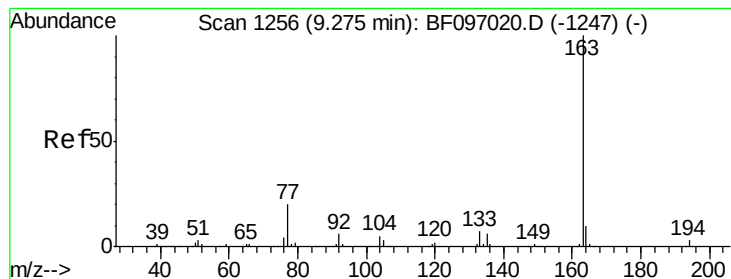
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	38.7	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 68.85 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097046.D
 Acq: 25 Jul 2017 23:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.9	19.8	29.8





#49

Dimethylphthalate

Concen: 5.94 ng

RT: 9.26 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

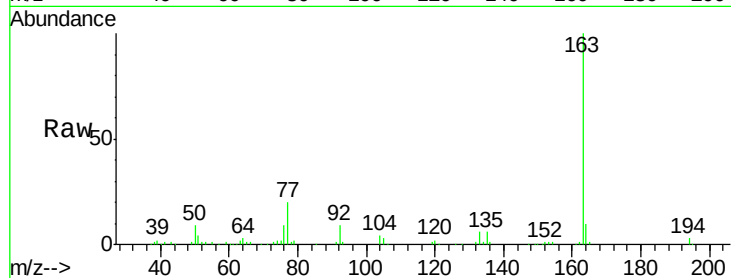
Tot Ion:163 Resp: 104805

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

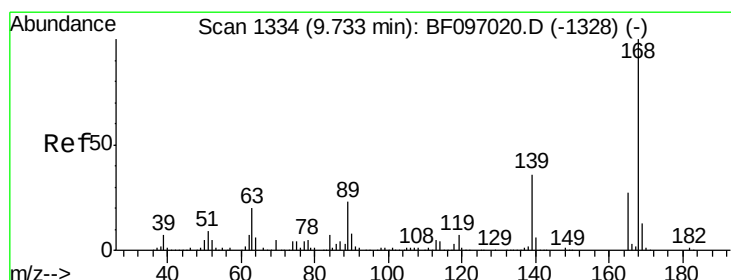
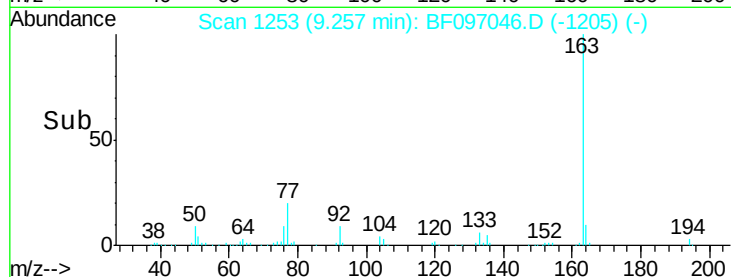
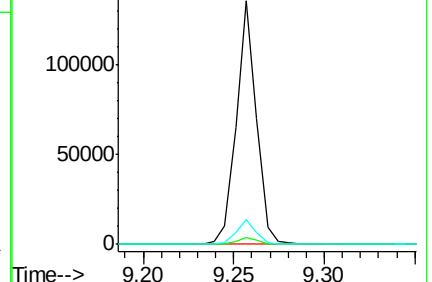
164 10.0 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.74 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Tgt Ion:165 Resp: 28997

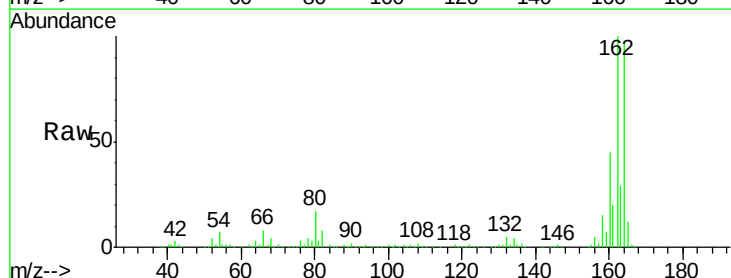
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

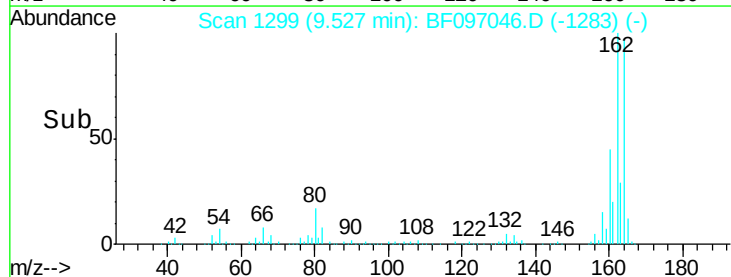
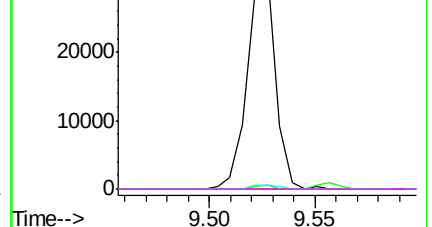


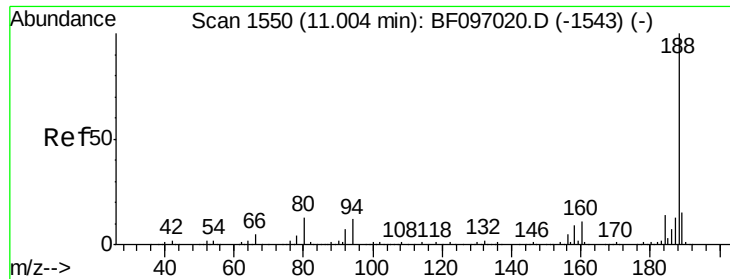
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampled :

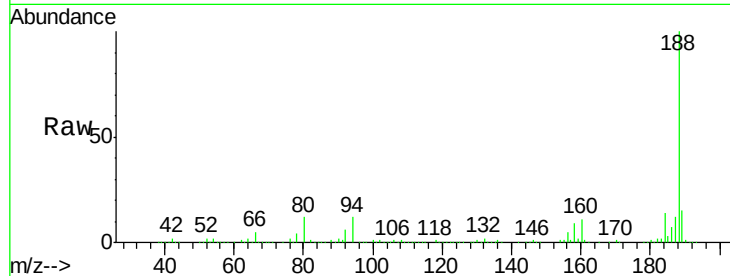
Tot Ion:188 Resp: 357077

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

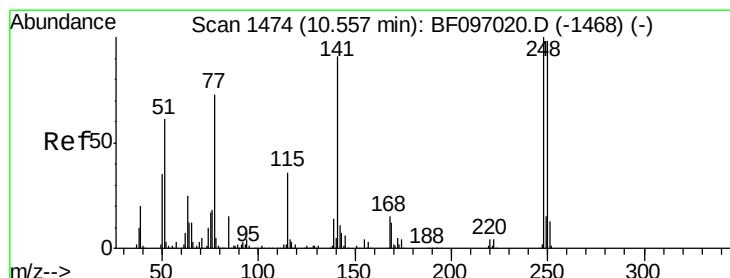
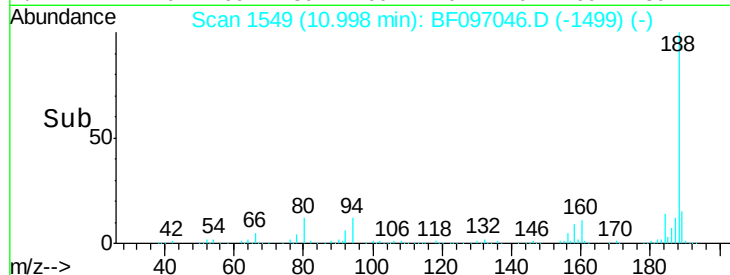
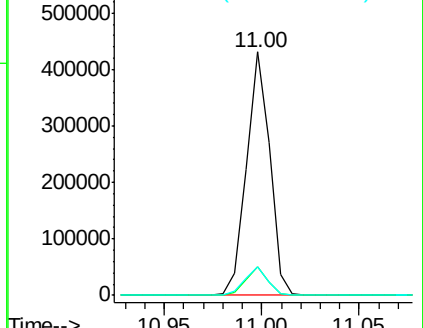
80 11.5 10.2 15.2



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



#66

4-Bromophenyl-phenylether

Concen: 3.39 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.24 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

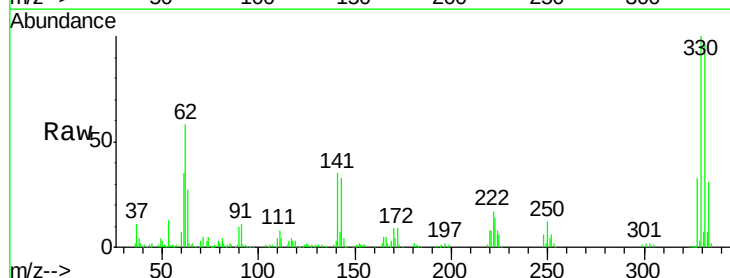
Tgt Ion:248 Resp: 12066

Ion Ratio Lower Upper

248 100

250 202.0 76.8 115.2#

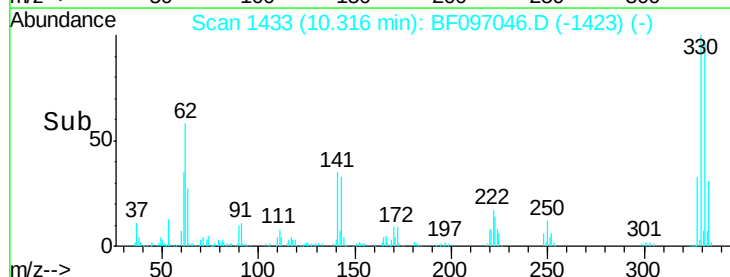
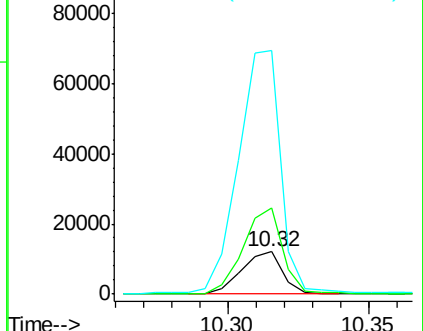
141 573.5 68.6 103.0#

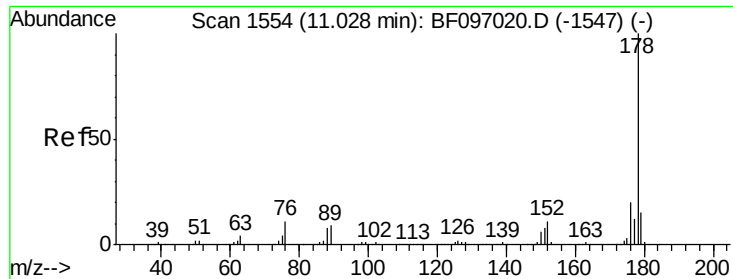


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 10.76 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

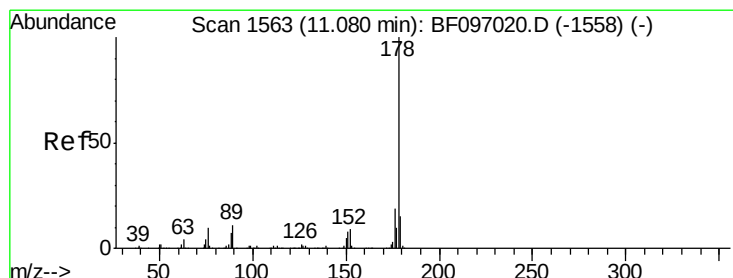
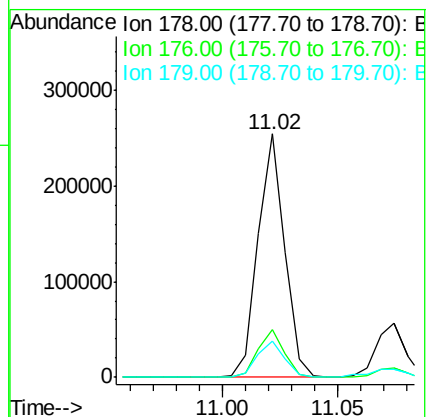
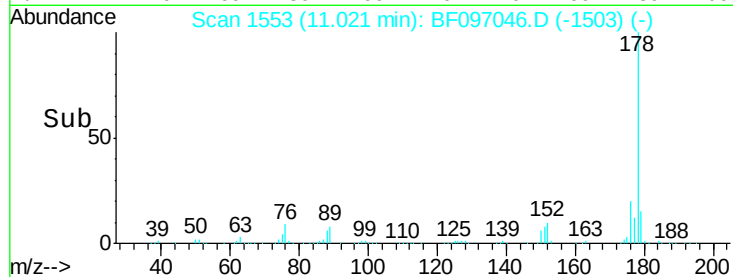
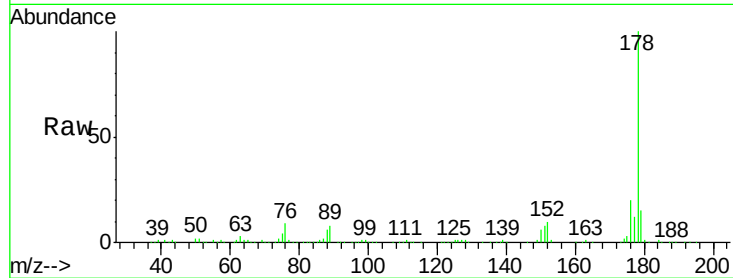
Tot Ion:178 Resp: 205898

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

179 14.7 12.6 19.0



#71

Anthracene

Concen: 2.47 ng

RT: 11.07 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

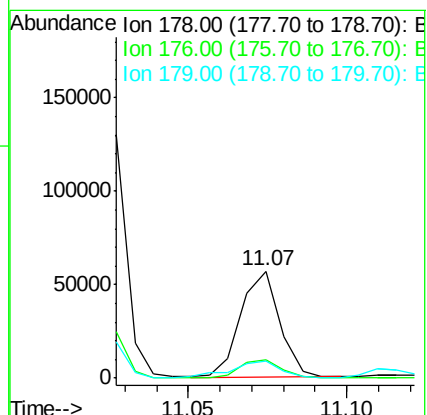
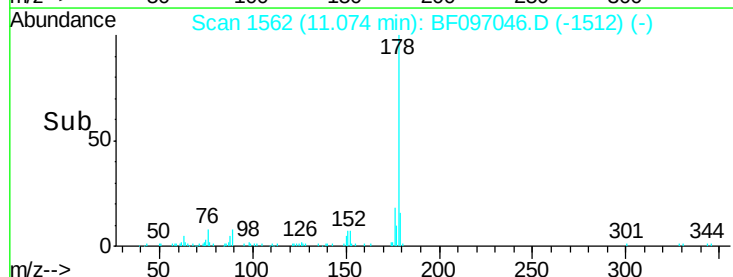
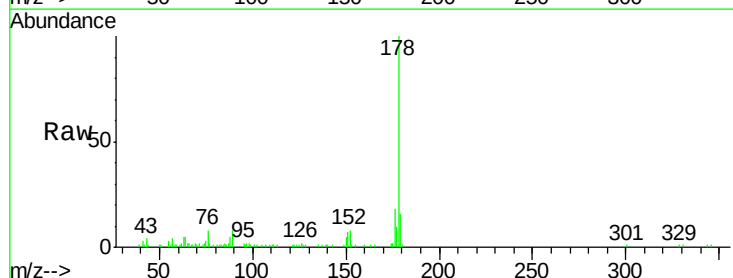
Tgt Ion:178 Resp: 48409

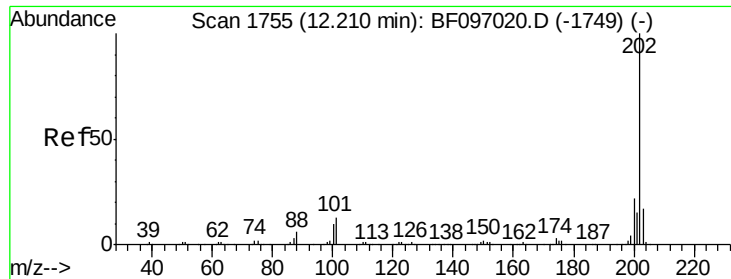
Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

179 15.6 12.7 19.1





#74

Fluoranthene

Concen: 13.59 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097046.D

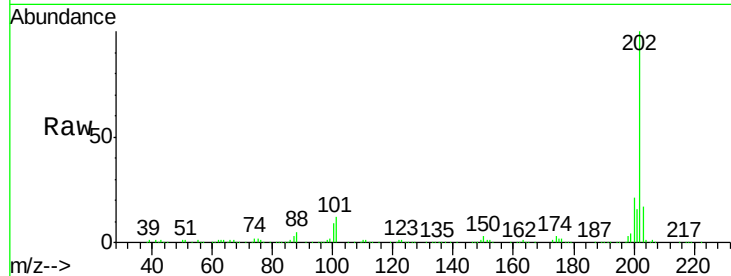
Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

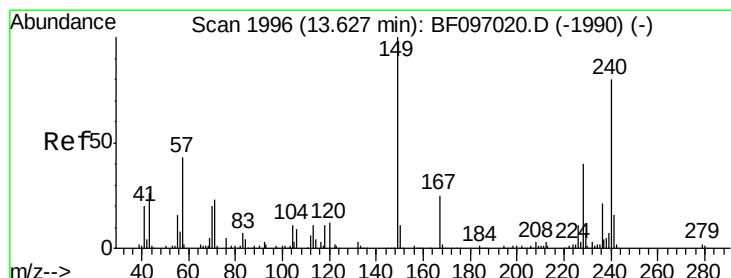
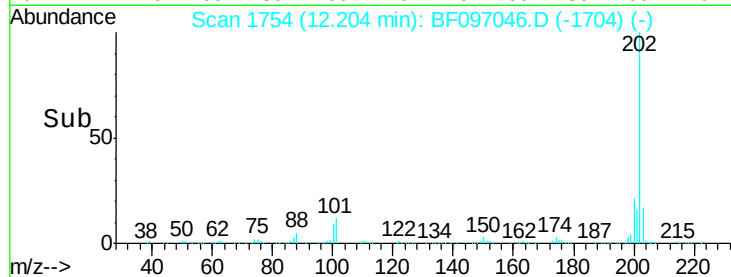
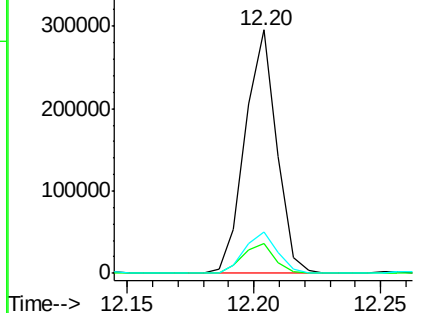
Tot Ion:	202	Resp:	254739
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.0	0.0	38.1



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

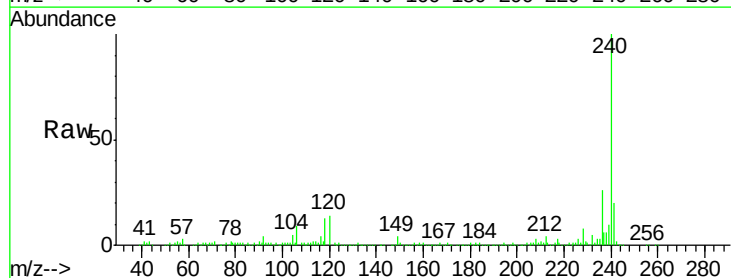
RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

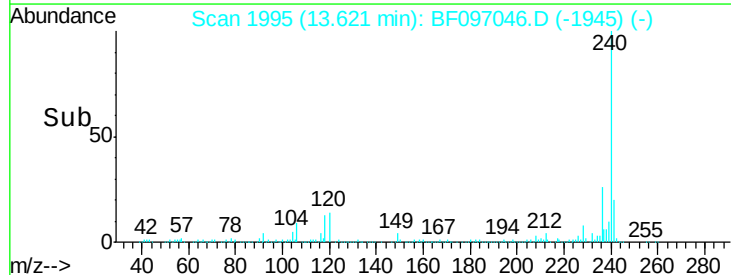
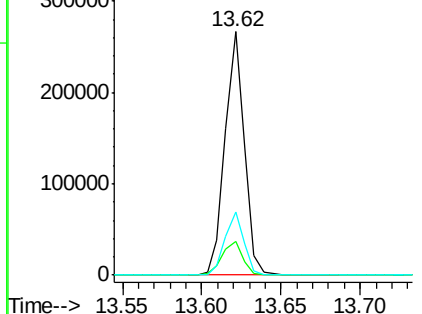
Tgt Ion:	240	Resp:	224790
Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	26.2	20.5	30.7

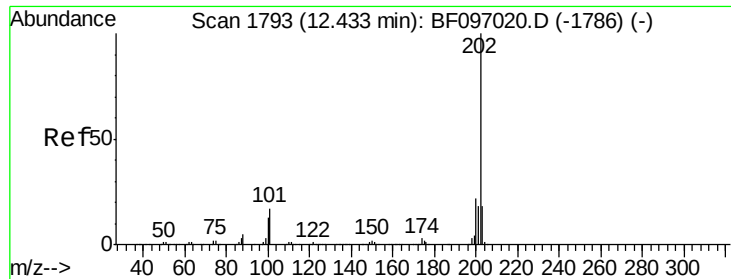


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

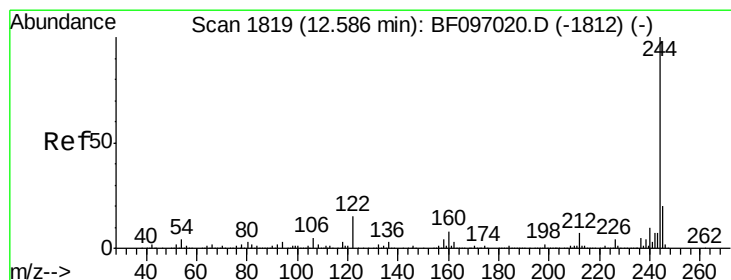
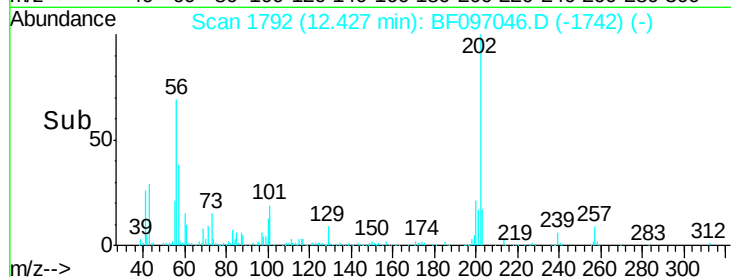
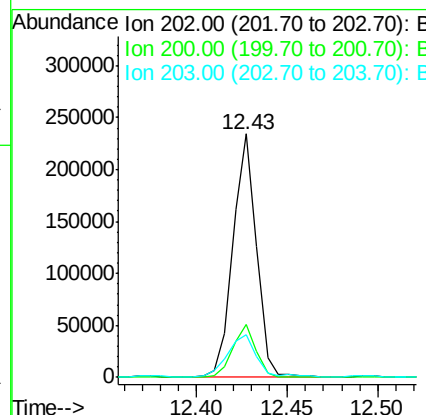
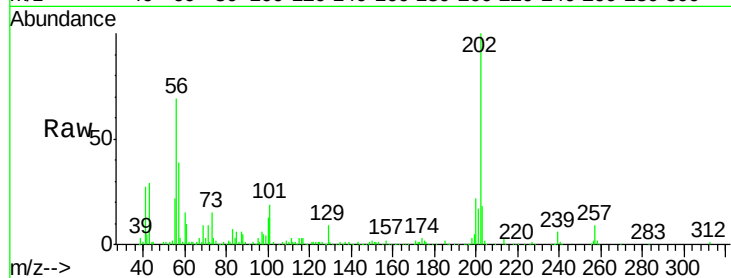




#77
Pvrene
Concen: 11.46 ng
RT: 12.43 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

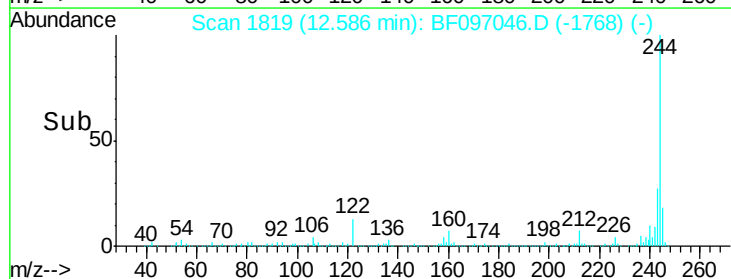
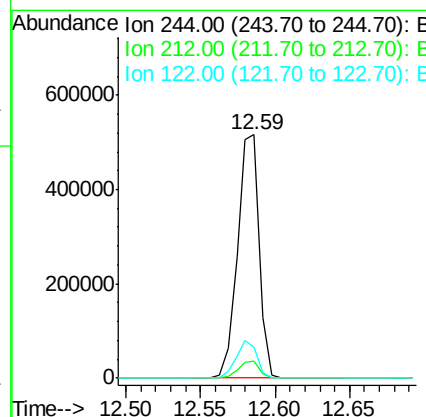
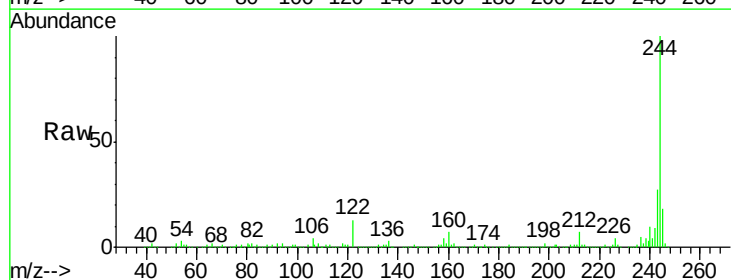
Instrument :
BNA_F
ClientSampleId :

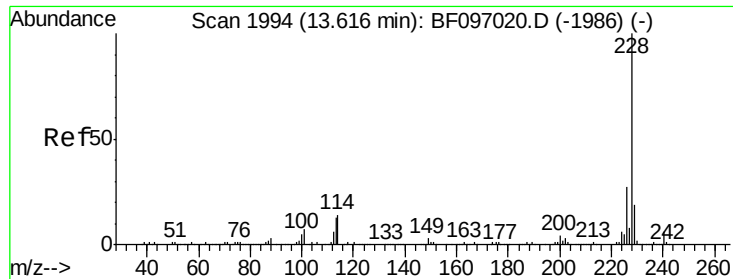
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.7	14.4	21.6



#78
Terphenyl-d14
Concen: 47.75 ng
RT: 12.59 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	12.9	10.3	15.5

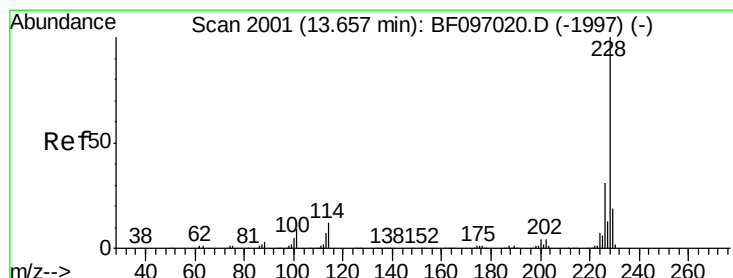
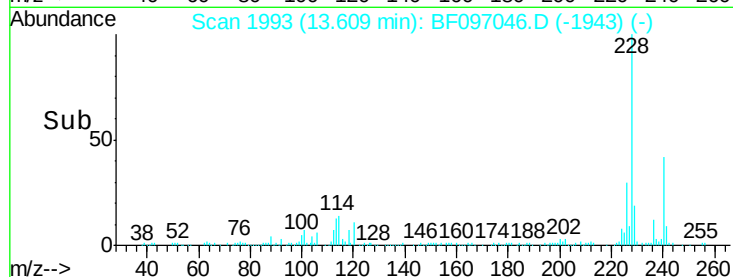
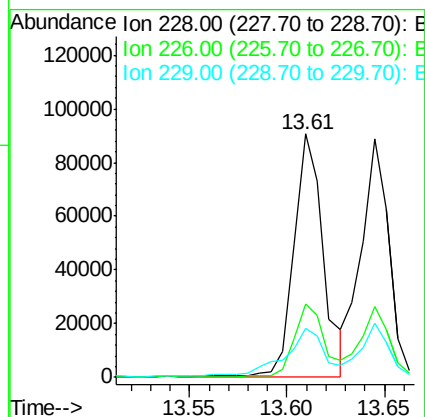
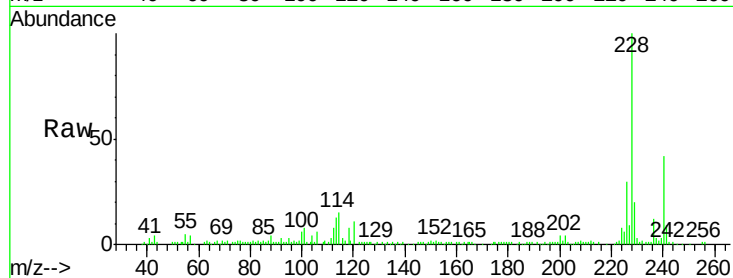




#80
Benzo(a)anthracene
Concen: 6.52 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

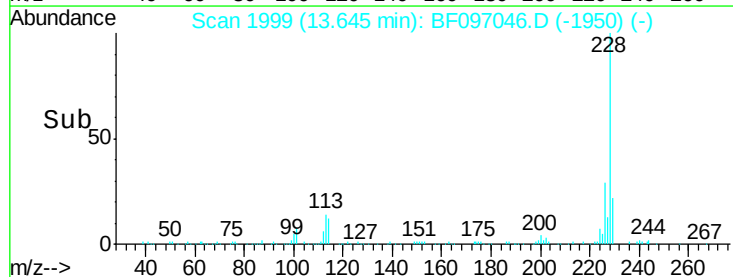
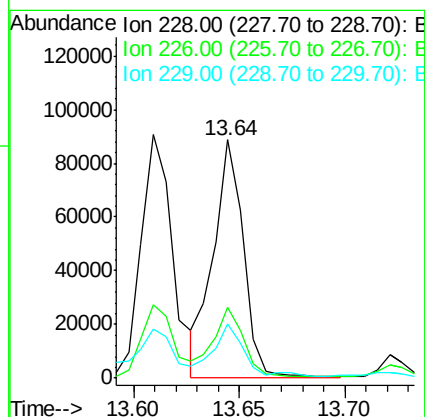
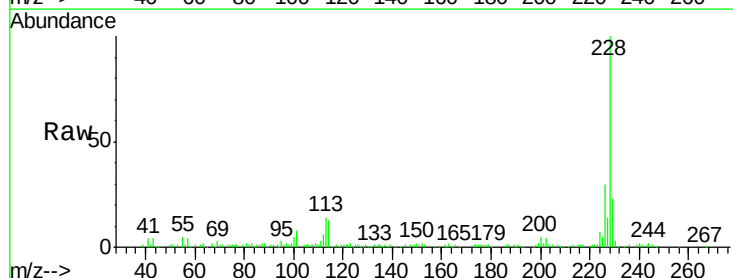
Instrument :
BNA_F
ClientSampleId :

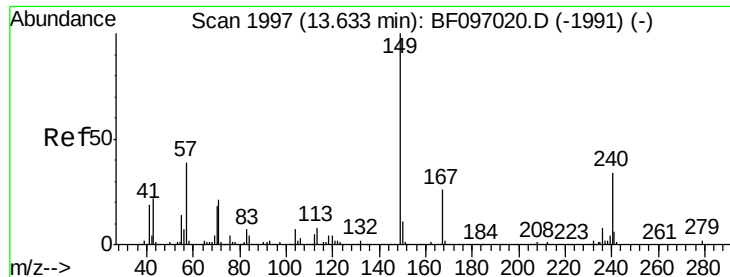
Tot Ion:228 Resp: 94884
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 20.4 16.3 24.5



#82
Chrysene
Concen: 6.18 ng
RT: 13.64 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion:228 Resp: 87795
Ion Ratio Lower Upper
228 100
226 29.7 24.9 37.3
229 22.8 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.07 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

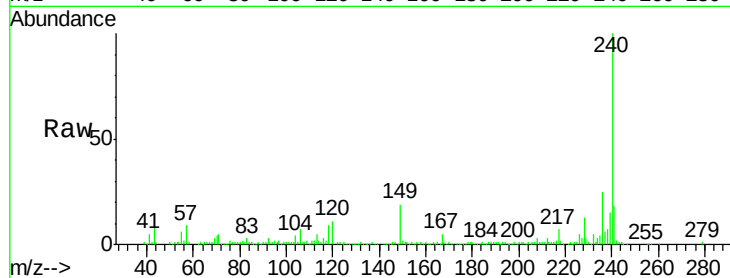
Tot Ion:149 Resp: 25302

Ion Ratio Lower Upper

149 100

167 27.2 21.0 31.4

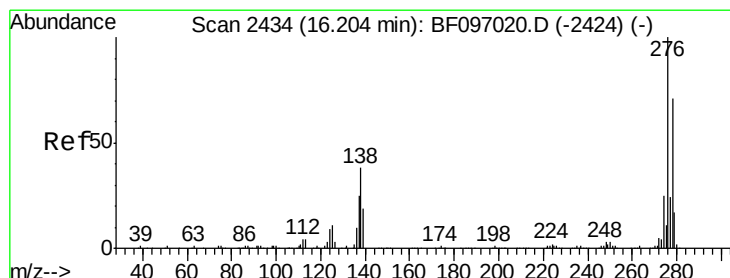
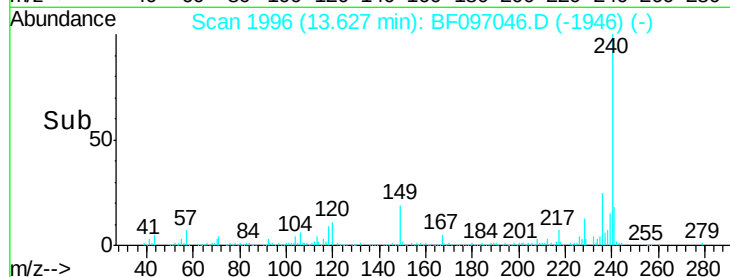
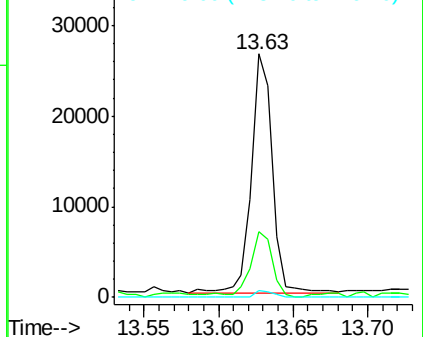
279 2.8 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.40 ng

RT: 16.20 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

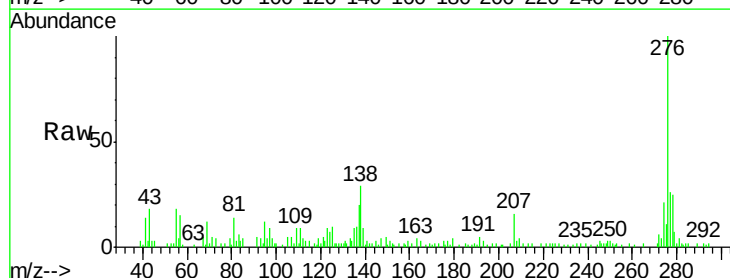
Tgt Ion:276 Resp: 41392

Ion Ratio Lower Upper

276 100

138 28.5 27.8 41.6

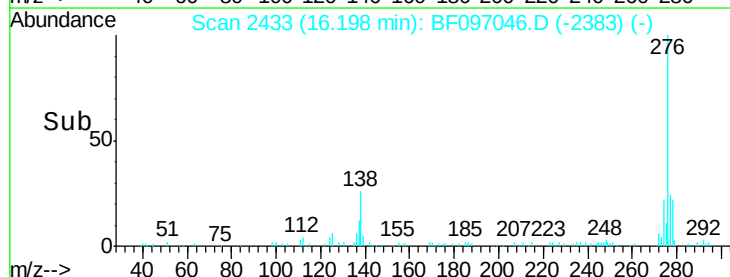
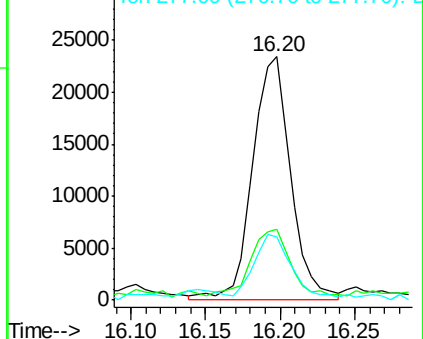
277 24.3 20.2 30.4

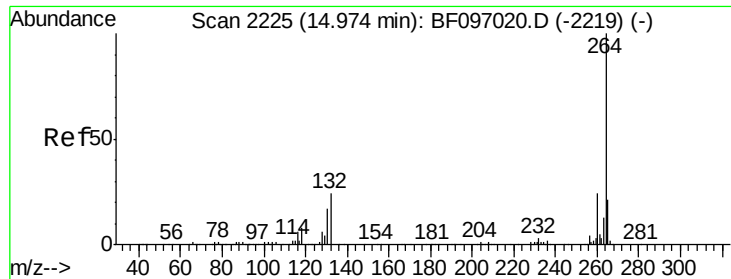


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

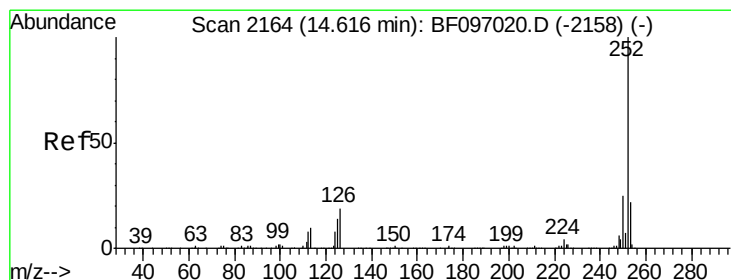
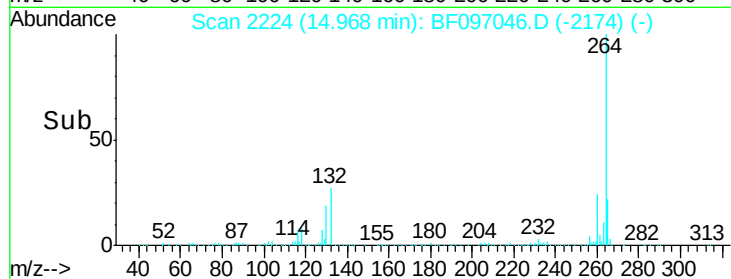
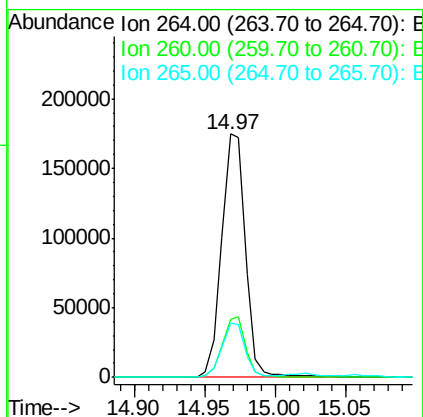
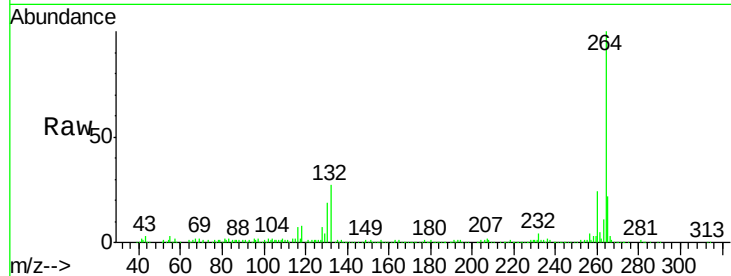




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

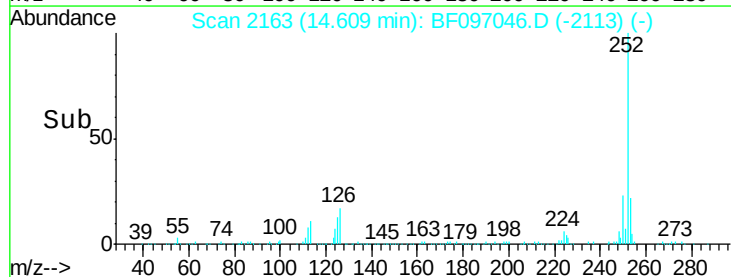
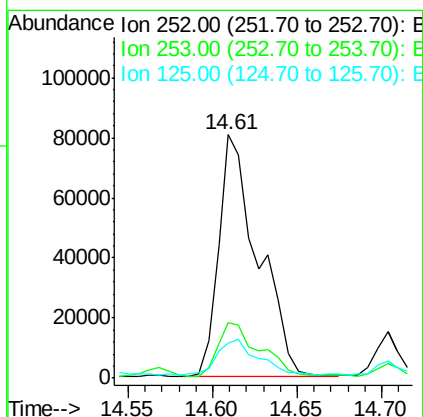
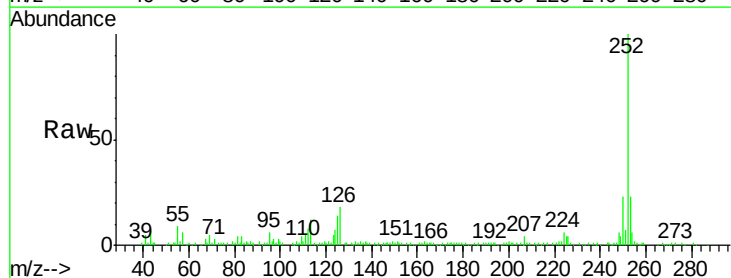
Instrument :
BNA_F
ClientSampleId :

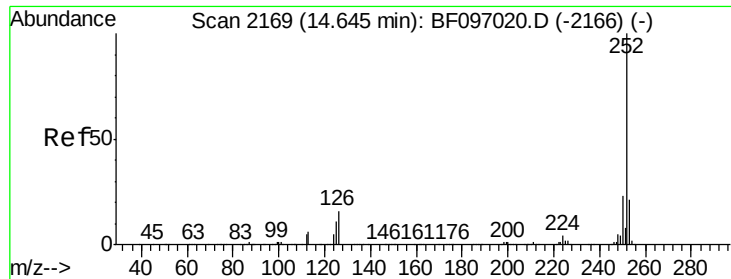
Tot Ion:264 Resp: 204845
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.67 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion:252 Resp: 131412
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 14.4 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 11.20 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

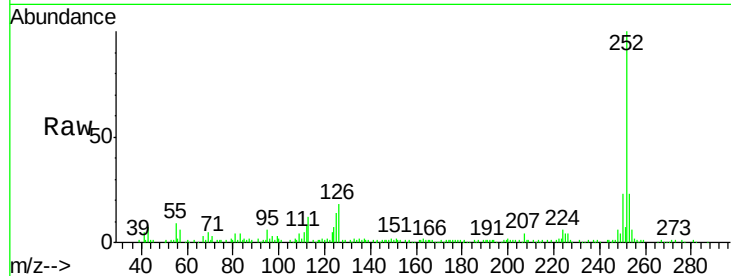
Tot Ion:252 Resp: 131412

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

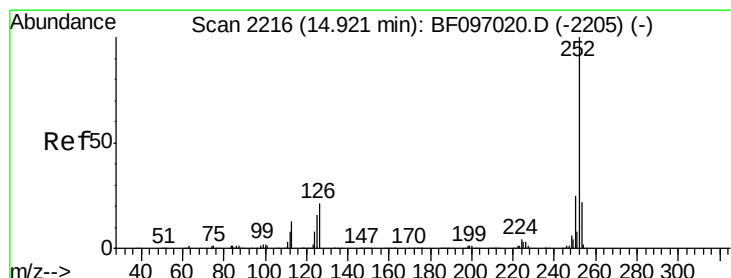
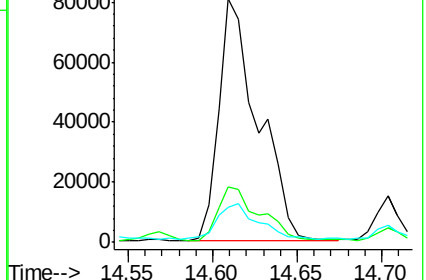
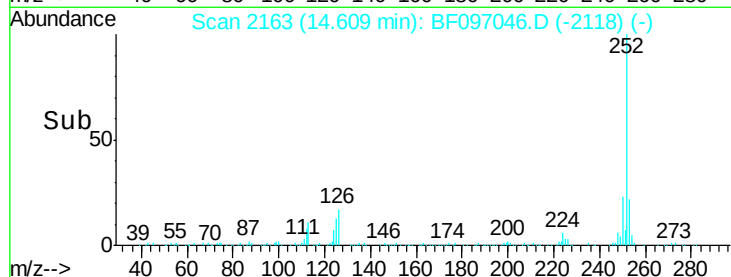
125 14.4 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 6.19 ng

RT: 14.92 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

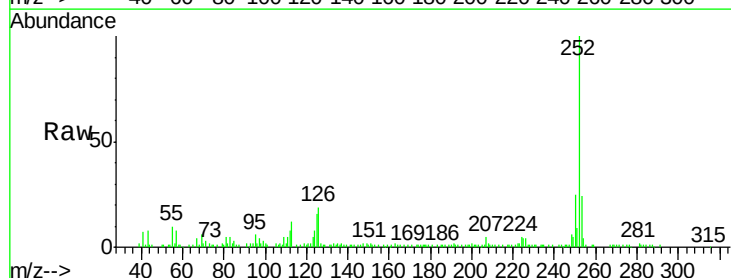
Tgt Ion:252 Resp: 69797

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

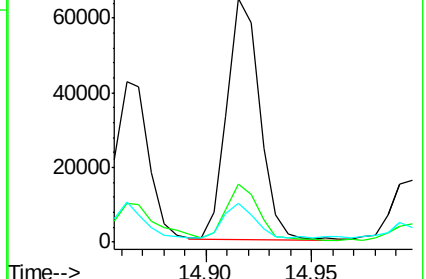
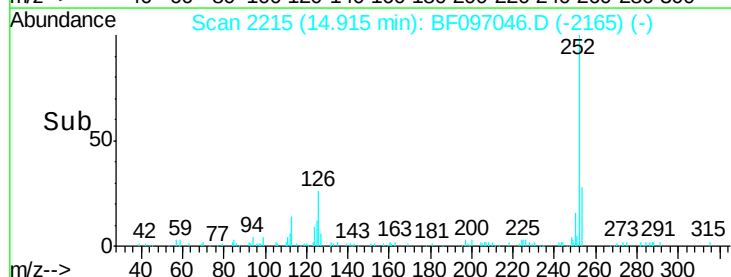
125 15.7 11.0 16.4

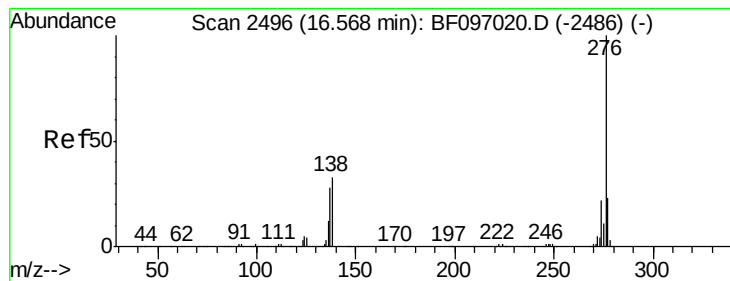


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.89 ng

RT: 16.56 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

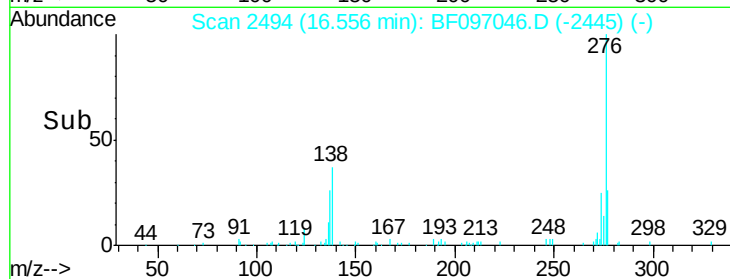
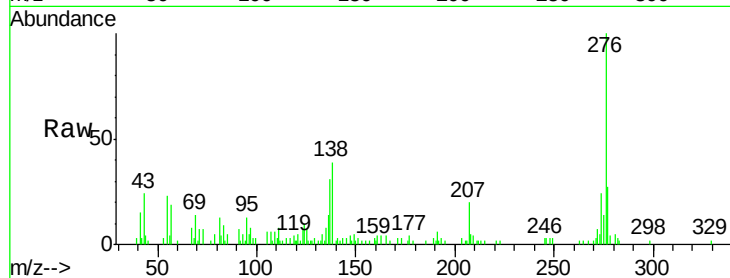
Tot Ion:276 Resp: 37735

Ion Ratio Lower Upper

276 100

277 26.7 18.6 28.0

138 38.9 25.4 38.0#



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

