

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097489.D
 Acq On : 9 Aug 2017 00:55
 Operator : SJ/JU
 Sample : I4657-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-C

Quant Time: Aug 09 03:14:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

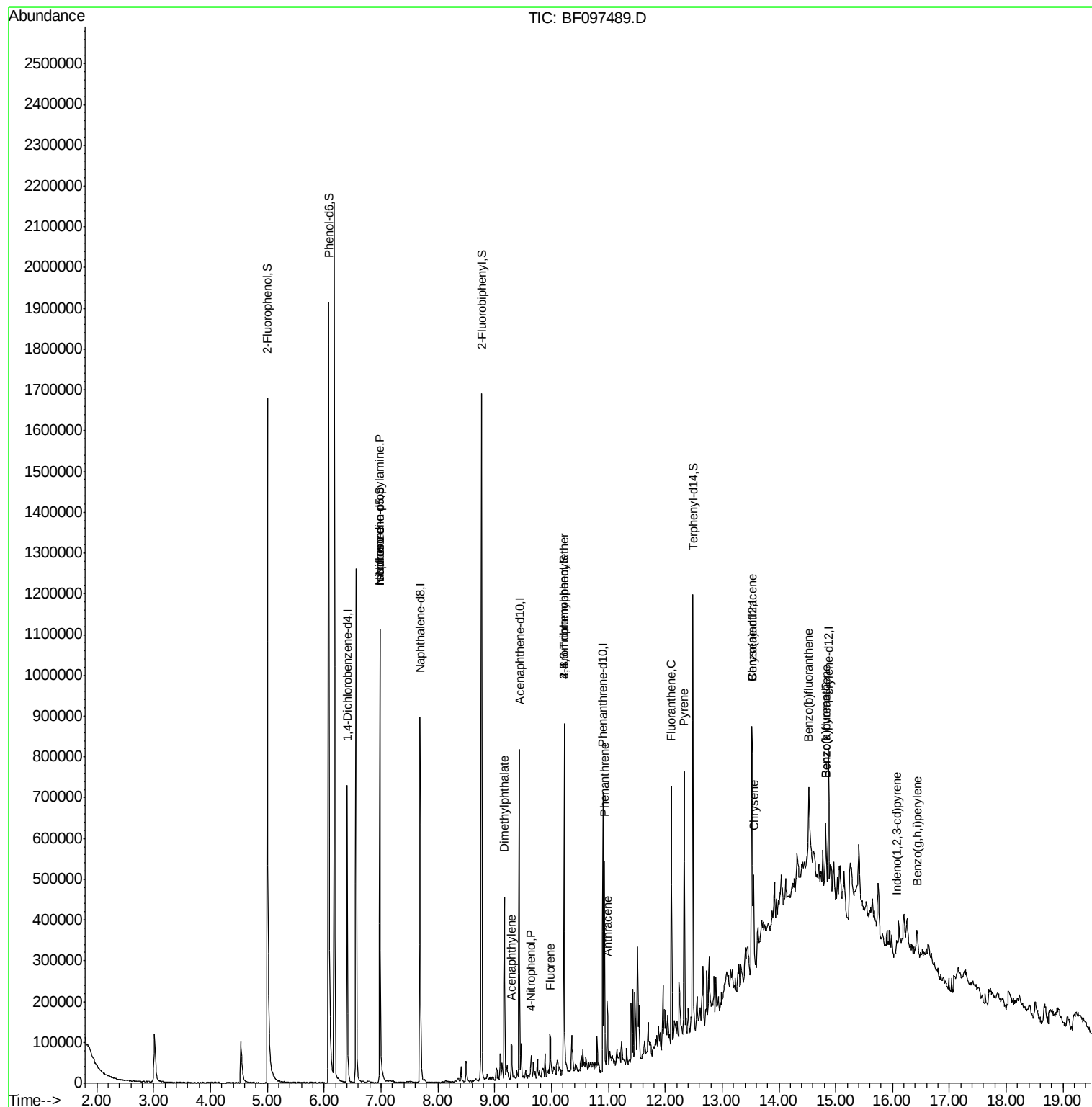
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	106817	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	397026	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	164895	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	217126	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	177552	20.00	ng	0.00
86) Perylene-d12	14.87	264	130436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	616333	86.98	ng	0.00
7) Phenol-d6	6.08	99	750100	92.73	ng	0.00
23) Nitrobenzene-d5	6.98	82	379140	56.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	100319	77.00	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	539314	55.51	ng	0.00
78) Terphenyl-d14	12.49	244	308148	35.39	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.98	70	51182	9.61	ng	# 89
25) Isophorone	6.98	82	379136	28.61	ng	# 67
48) Acenaphthylene	9.30	152	31989	2.01	ng	96
49) Dimethylphthalate	9.17	163	159625	12.75	ng	99
55) 4-Nitrophenol	9.64	139	4459	2.27	ng	# 31
57) Fluorene	9.98	166	28476	3.04	ng	96
66) 4-Bromophenyl-phenylether	10.22	248	6059	2.80	ng	# 1
70) Phenanthrene	10.93	178	180610	15.52	ng	98
71) Anthracene	10.98	178	59565	5.00	ng	99
74) Fluoranthene	12.11	202	236858	20.78	ng	98
77) Pyrene	12.33	202	245725	16.91	ng	99
80) Benzo(a)anthracene	13.52	228	89822	7.82	ng	95
82) Chrysene	13.56	228	89559	7.98	ng	96
85) Indeno(1,2,3-cd)pyrene	16.07	276	26138	2.72	ng	# 91
87) Benzo(b)fluoranthene	14.53	252	108493	13.84	ng	# 88
88) Benzo(k)fluoranthene	14.83	252	54102	7.24	ng	99
89) Benzo(a)pyrene	14.83	252	59889	8.35	ng	# 95
91) Benzo(g,h,i)perylene	16.43	276	31072	5.04	ng	# 90

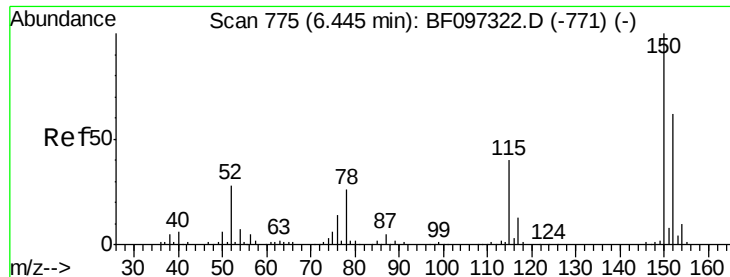
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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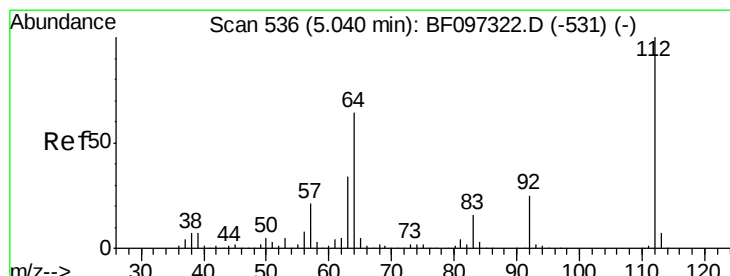
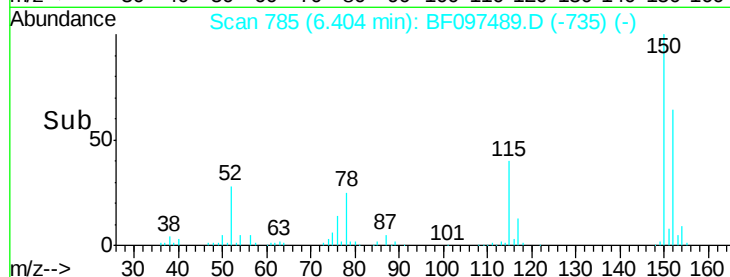
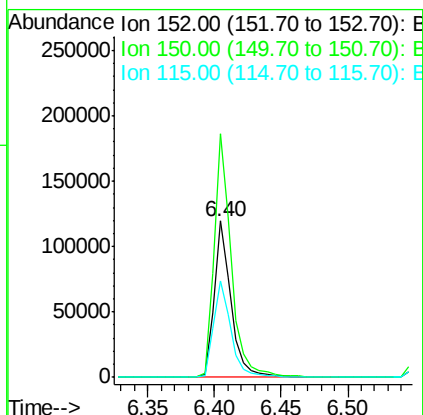
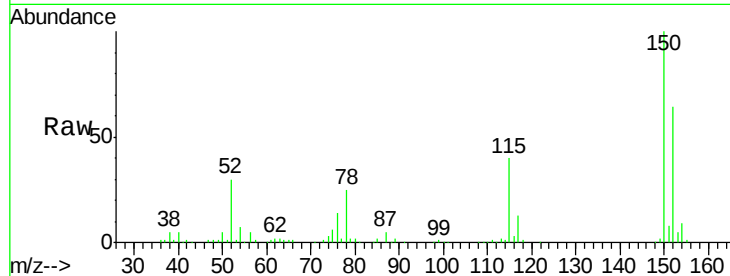


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-C

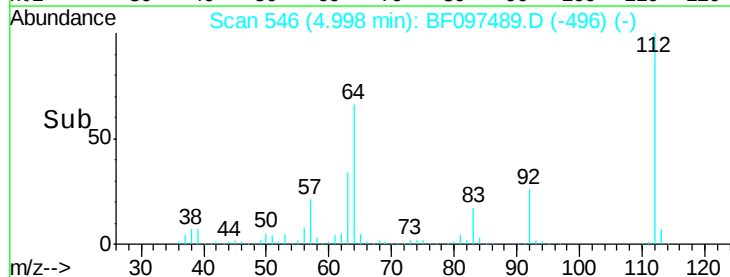
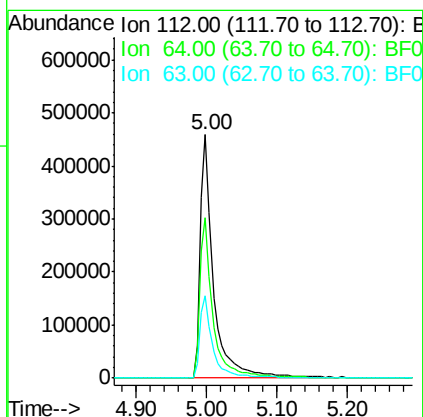
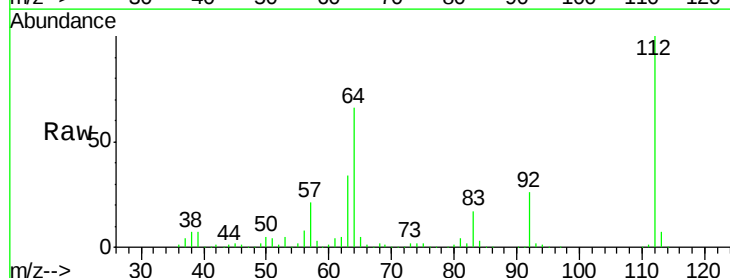
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	62.1	52.2	78.2

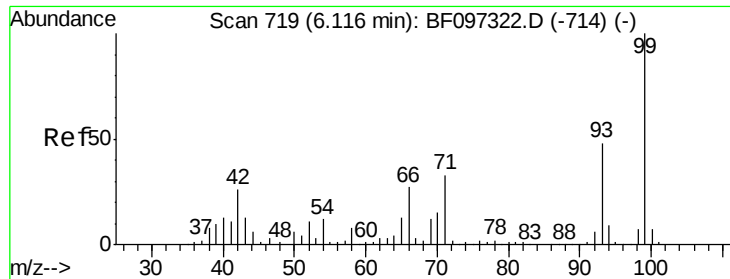


#5

2-Fluorophenol
Concen: 86.98 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	33.8	23.4	35.0





#7

Phenol-d6

Concen: 92.73 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-C

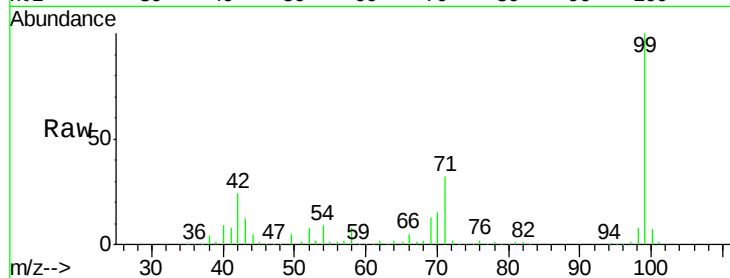
Tot Ion: 99 Resp: 750100

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

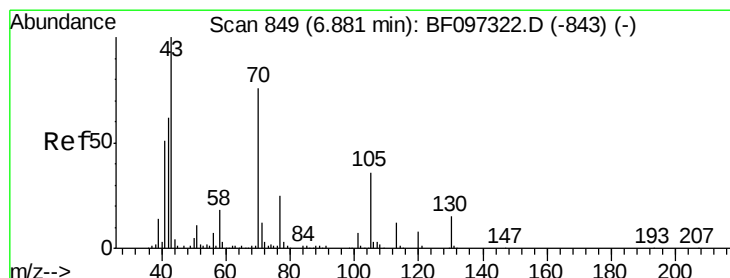
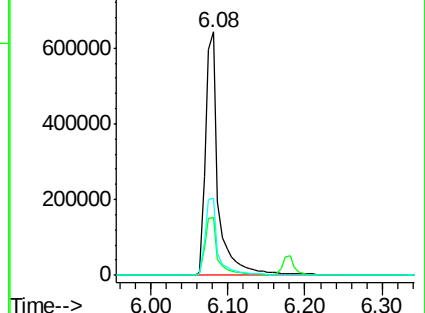
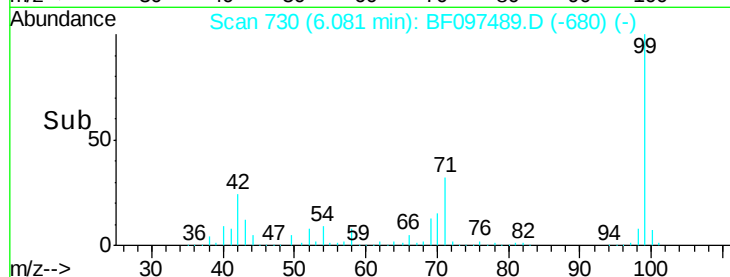
71 31.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.61 ng

RT: 6.98 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

Tgt Ion: 70 Resp: 51182

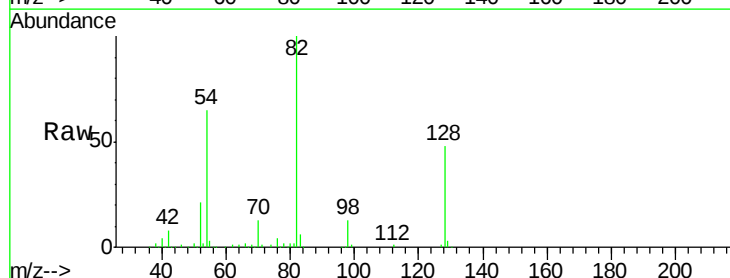
Ion Ratio Lower Upper

70 100

42 58.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

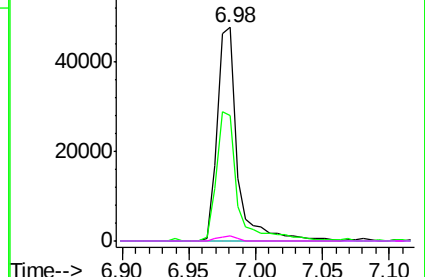
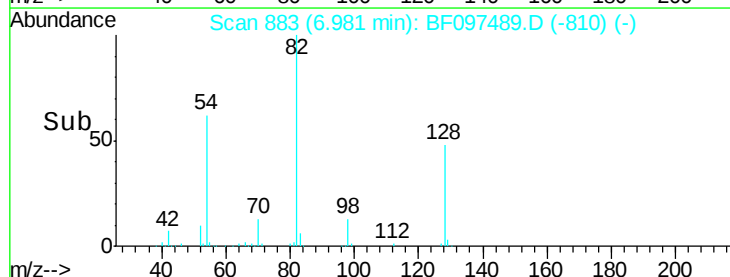


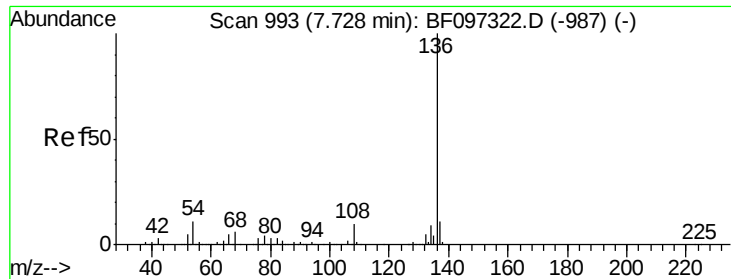
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.69 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-C

Tot Ion:136 Resp: 397026

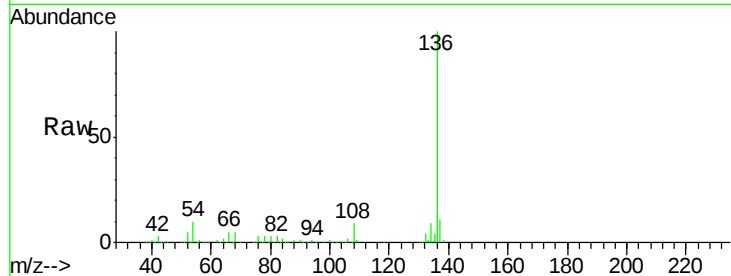
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.4 4.9 7.3#

68 4.9 4.1 6.1

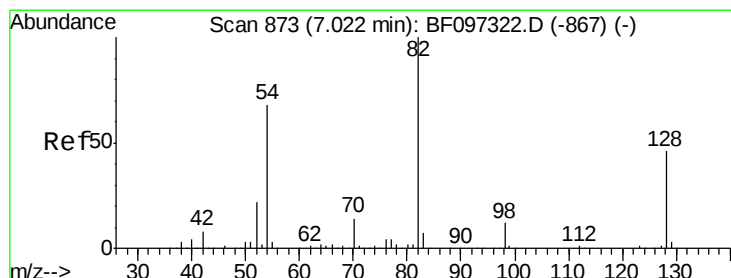
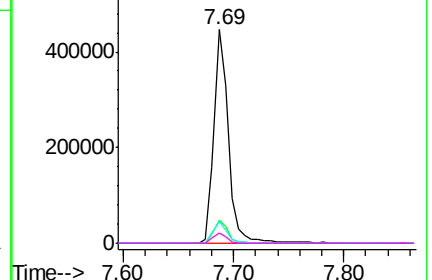
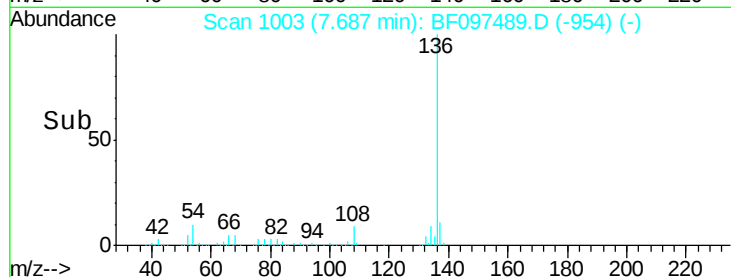


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.02 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

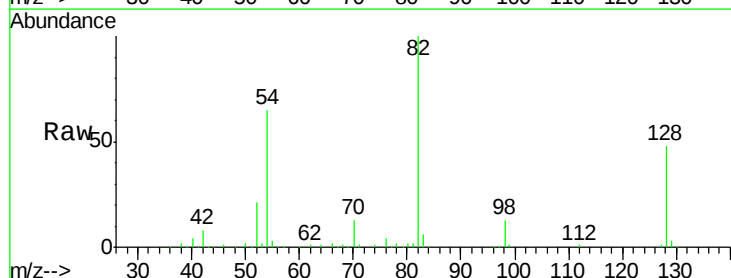
Tgt Ion: 82 Resp: 379140

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

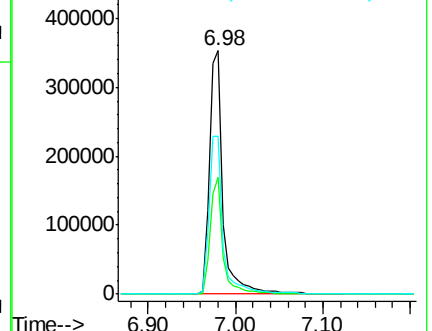
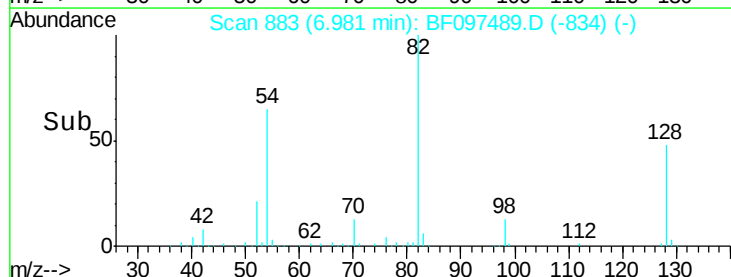
54 65.1 42.2 63.2#

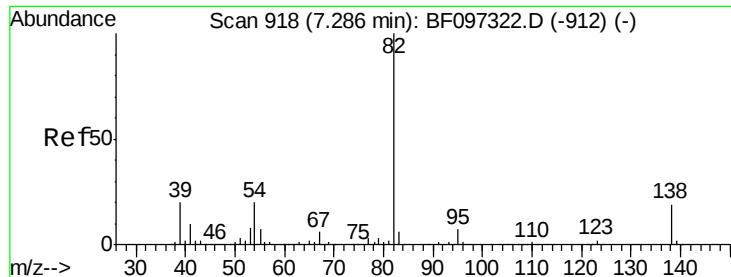


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.61 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-C

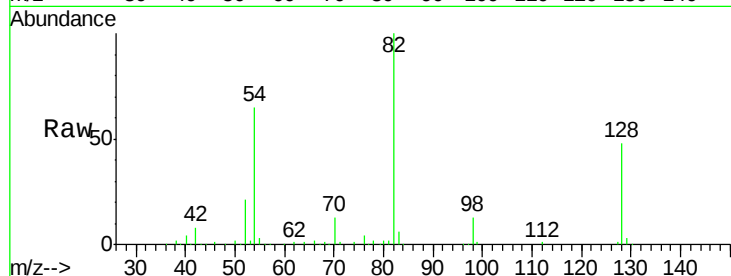
Tot Ion: 82 Resp: 379136

Ion Ratio Lower Upper

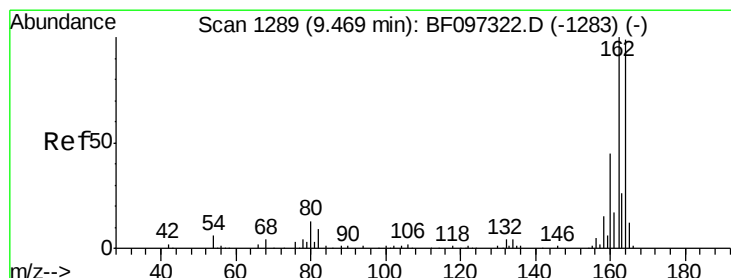
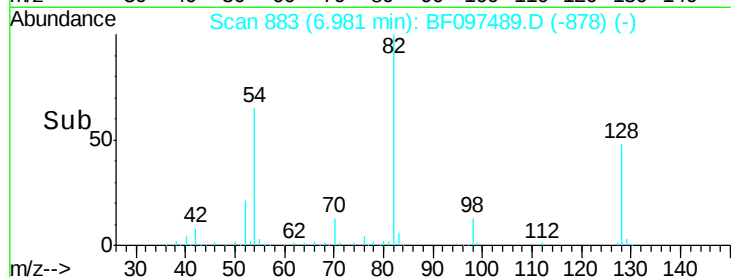
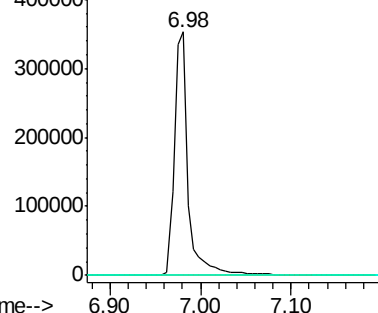
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.43 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

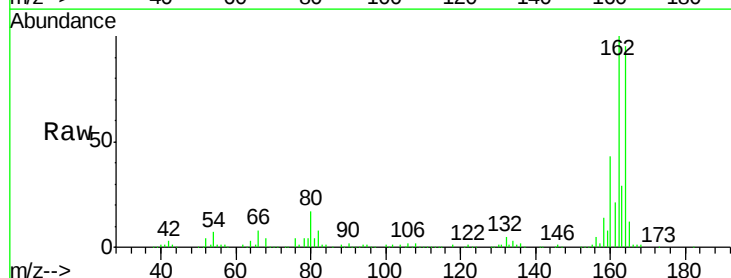
Tgt Ion:164 Resp: 164895

Ion Ratio Lower Upper

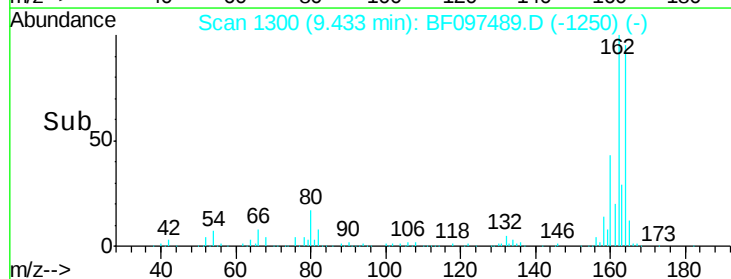
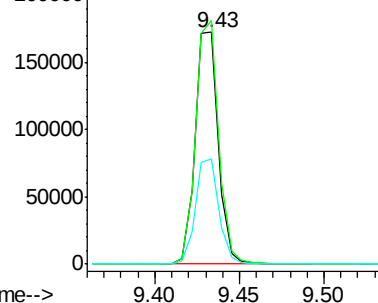
164 100

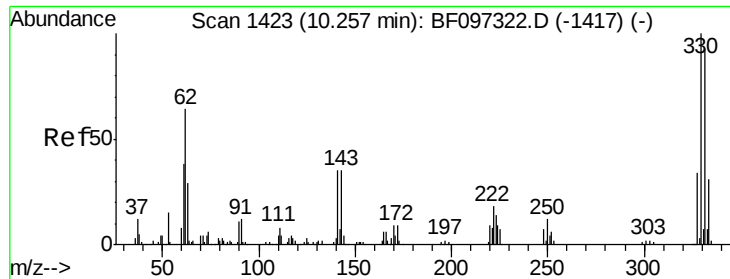
162 105.1 82.6 123.8

160 45.3 36.2 54.2



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

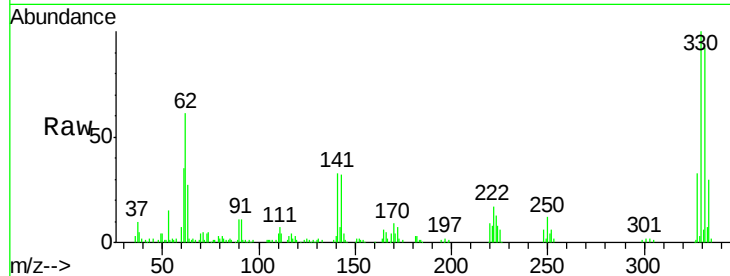




#41
 2,4,6-Tribromophenol
 Concen: 77.00 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097489.D
 Acq: 9 Aug 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.6	115.0
141	40.5	31.4	47.2

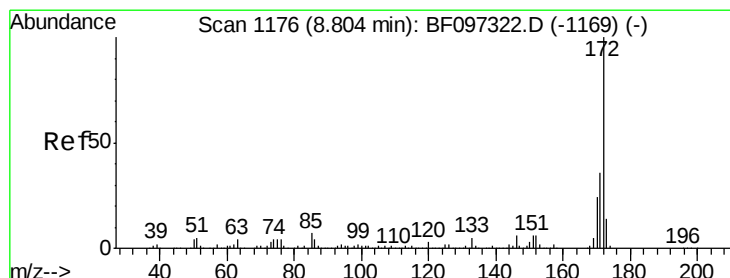
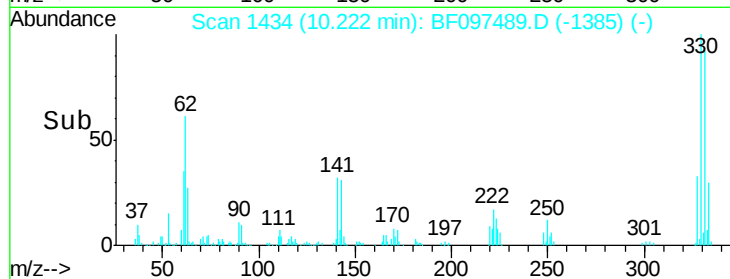
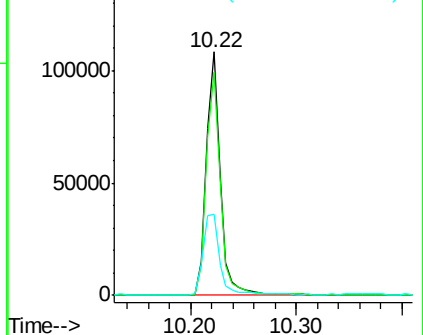


Abundance

Ion 329.80 (329.50 to 330.50): E

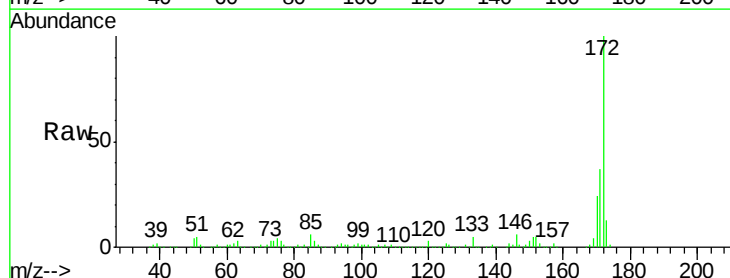
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 55.51 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097489.D
 Acq: 9 Aug 2017 00:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.0	19.8	29.8

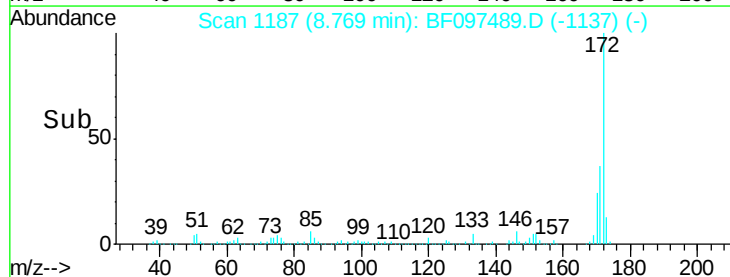
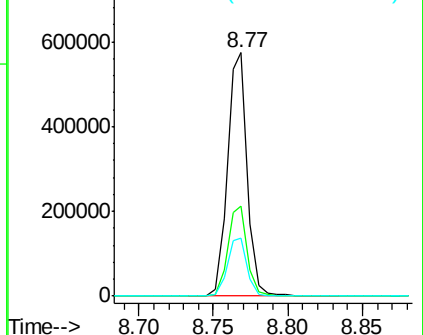


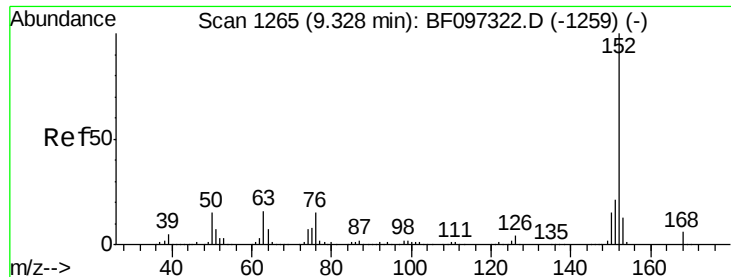
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

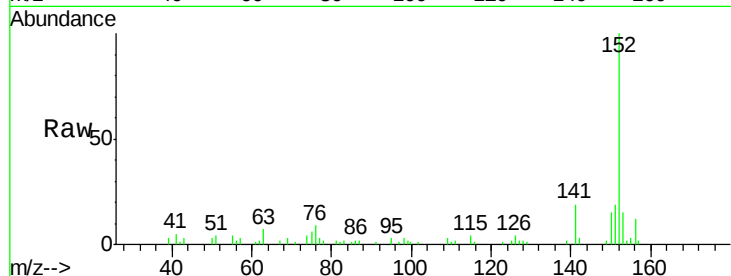




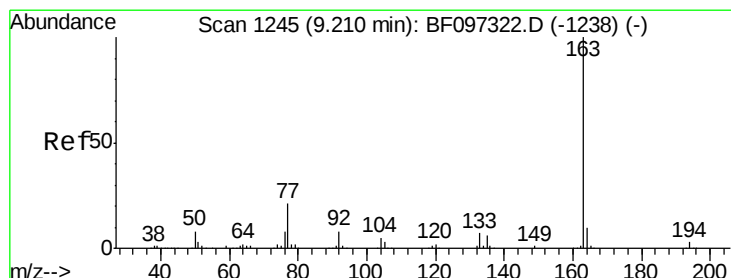
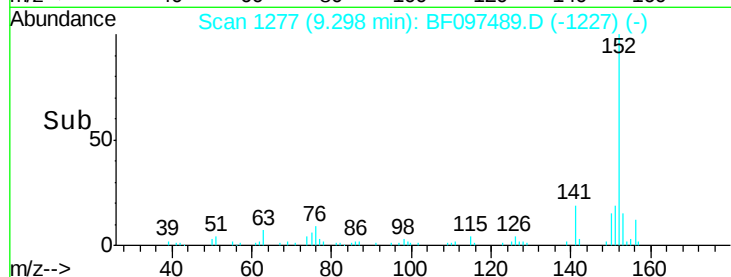
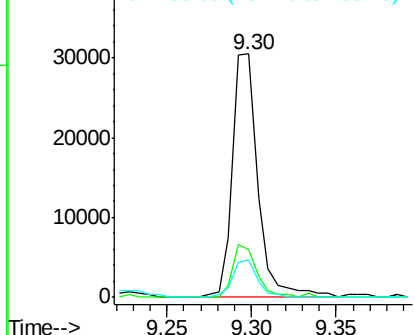
#48
 Acenaphthylene
 Concen: 2.01 ng
 RT: 9.30 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF097489.D
 Acq: 9 Aug 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-C

Tot Ion:152 Resp: 31989
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.8 25.2
 153 15.5 10.8 16.2

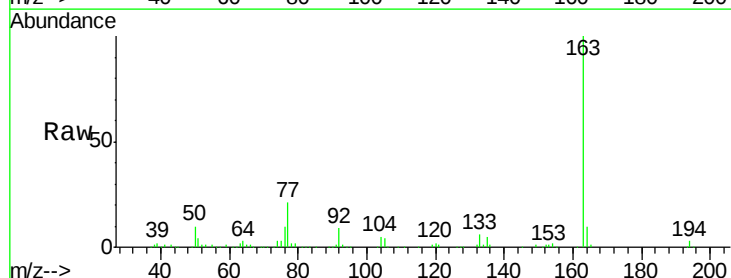


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

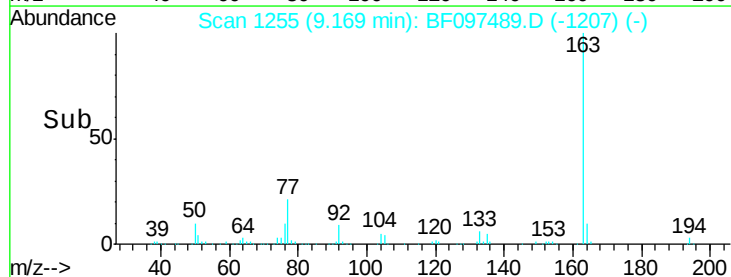
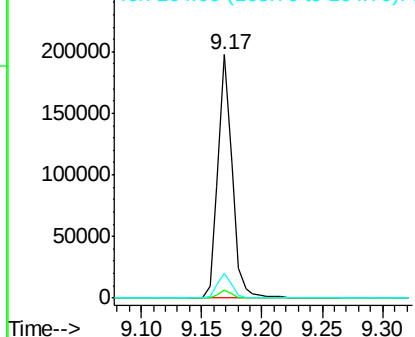


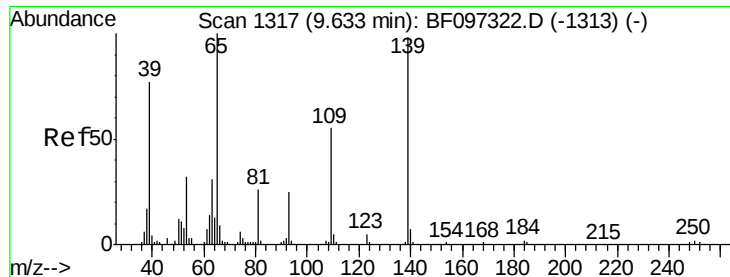
#49
 Dimethylphthalate
 Concen: 12.75 ng
 RT: 9.17 min Scan# 1255
 Delta R.T. -0.02 min
 Lab File: BF097489.D
 Acq: 9 Aug 2017 00:55

Tgt Ion:163 Resp: 159625
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.1 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





#55

4-Nitrophenol

Concen: 2.27 ng

RT: 9.64 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-C

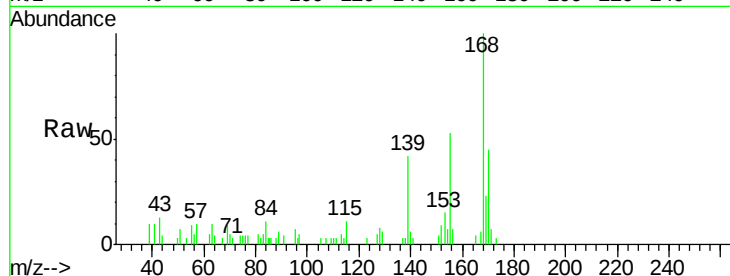
Tot Ion:139 Resp: 4459

Ion Ratio Lower Upper

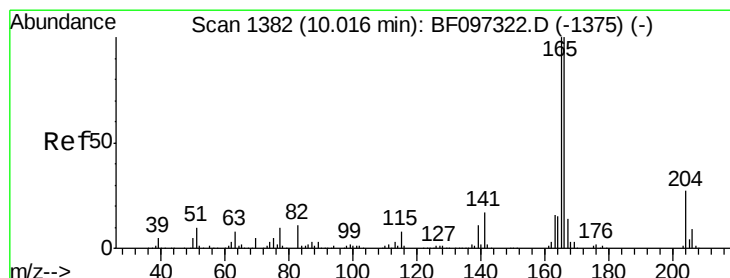
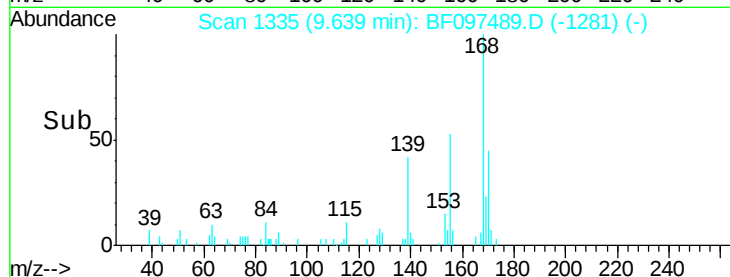
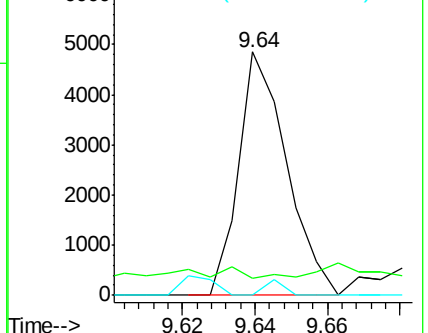
139 100

109 7.1 34.1 74.1#

65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E



#57

Fluorene

Concen: 3.04 ng

RT: 9.98 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

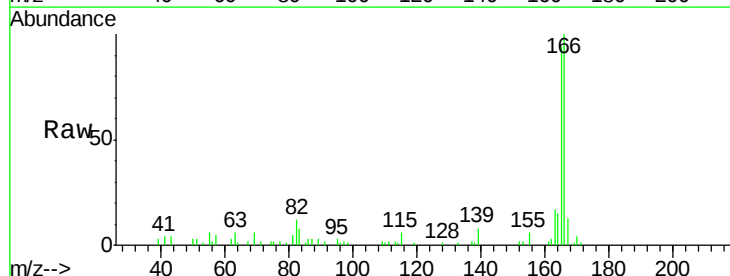
Tgt Ion:166 Resp: 28476

Ion Ratio Lower Upper

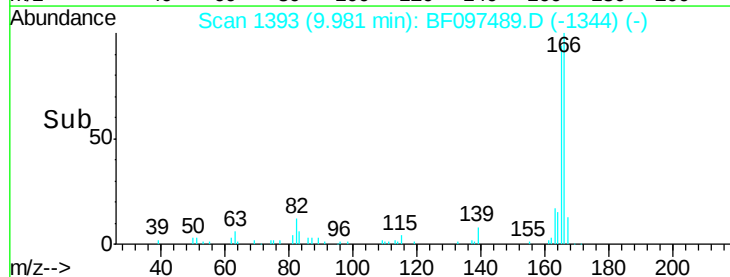
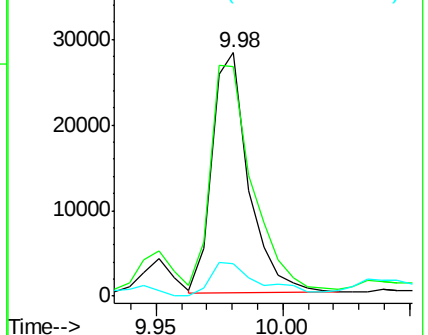
166 100

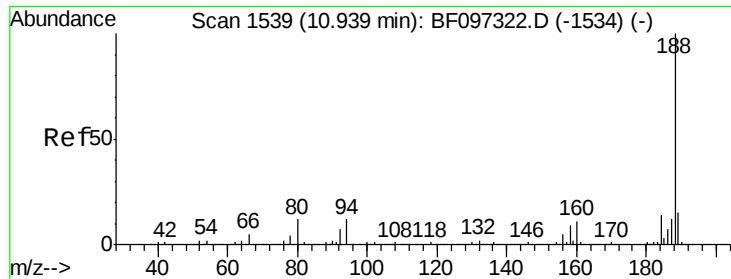
165 94.5 78.8 118.2

167 13.3 10.6 16.0



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

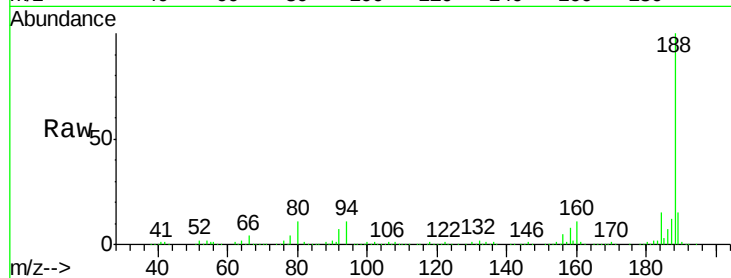




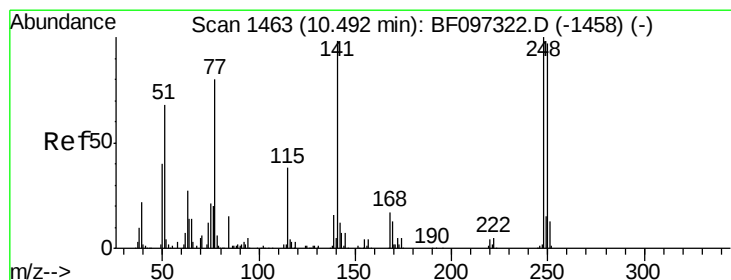
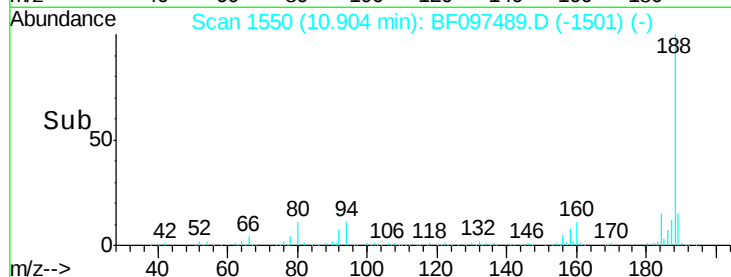
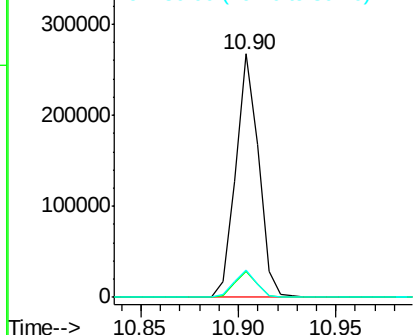
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.90 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-C

Tot Ion:188 Resp: 217126
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.0 10.2 15.2

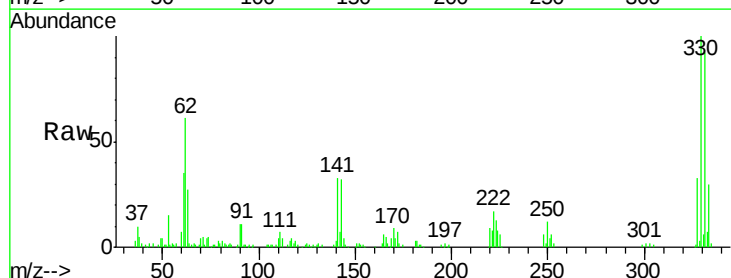


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

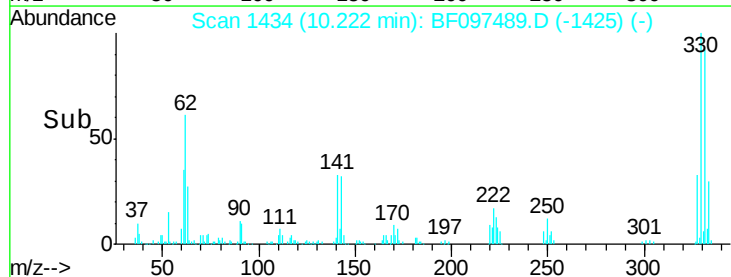
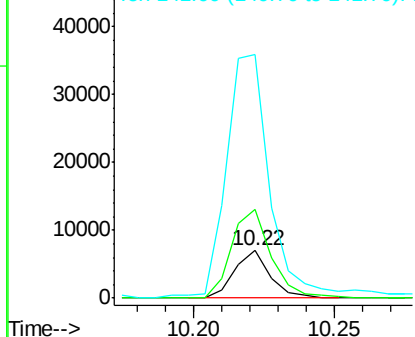


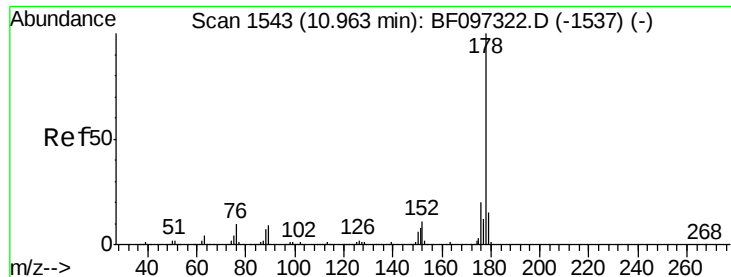
#66
4-Bromophenyl-phenylether
Concen: 2.80 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Tgt Ion:248 Resp: 6059
Ion Ratio Lower Upper
248 100
250 186.0 76.8 115.2#
141 510.2 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

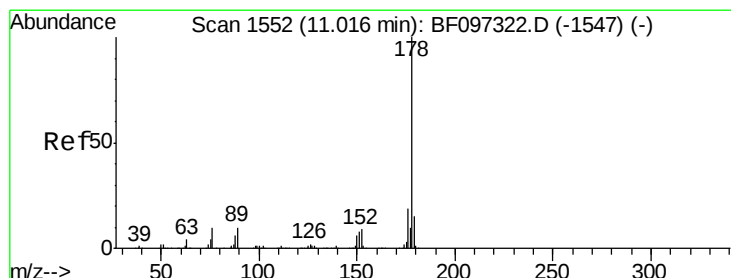
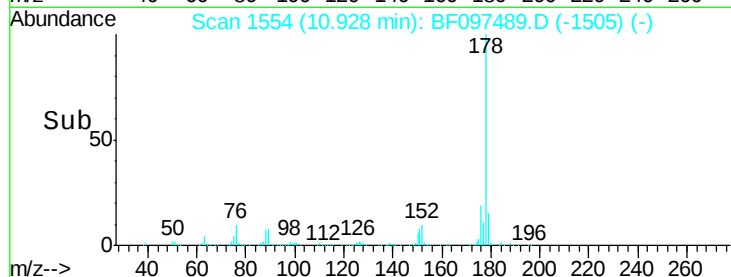
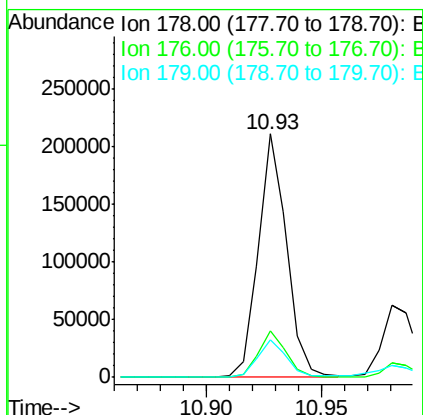
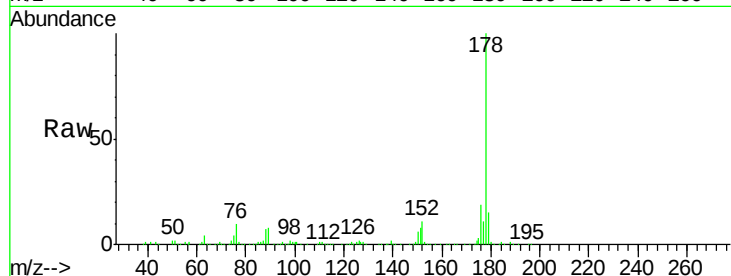




#70
Phenanthrene
Concen: 15.52 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

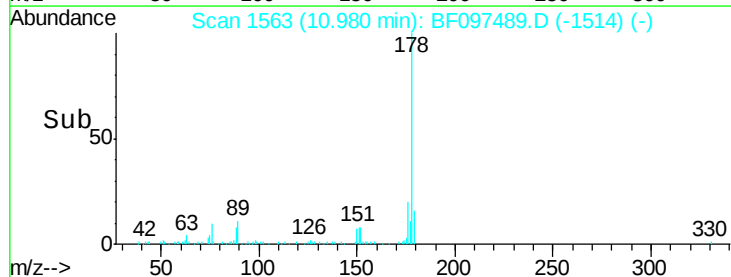
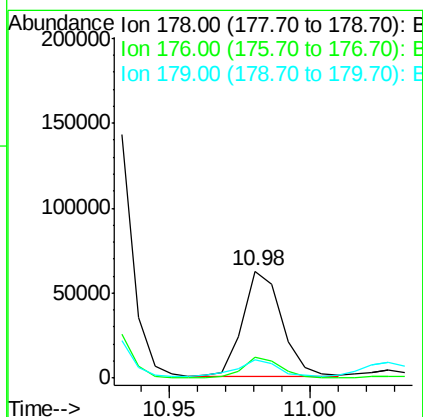
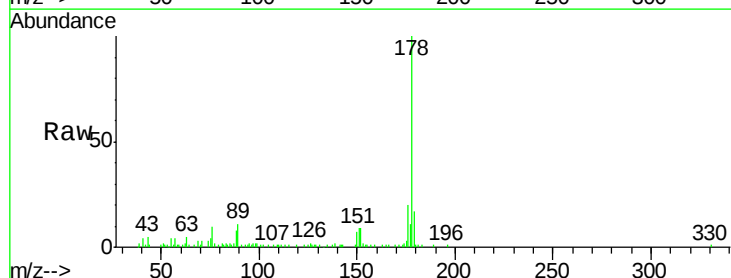
Instrument :
BNA_F
ClientSampleId :
CL-01-080717-C

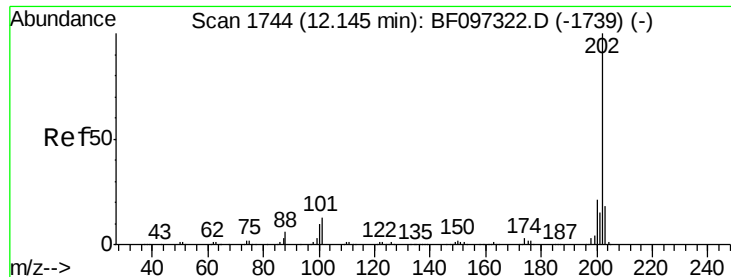
Tot Ion:178 Resp: 180610
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.2 12.6 19.0



#71
Anthracene
Concen: 5.00 ng
RT: 10.98 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Tgt Ion:178 Resp: 59565
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 17.3 12.7 19.1





#74

Fluoranthene

Concen: 20.78 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-C

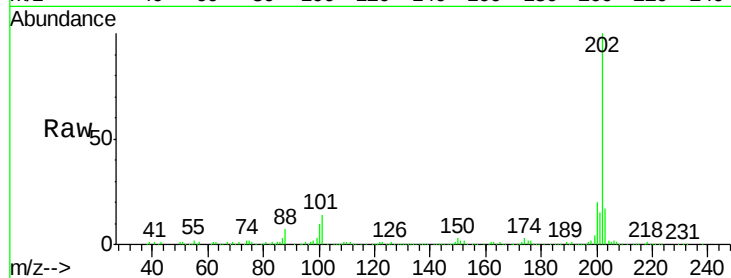
Tot Ion:202 Resp: 236858

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

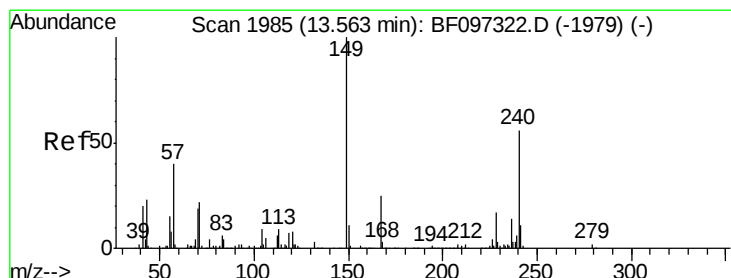
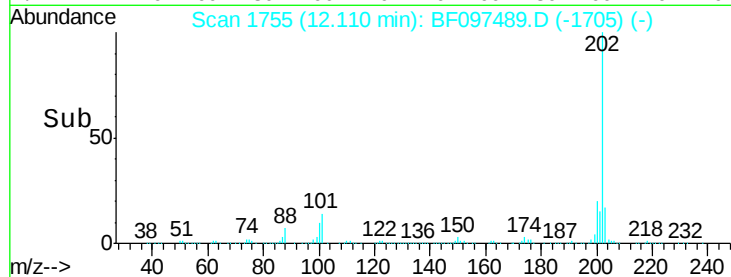
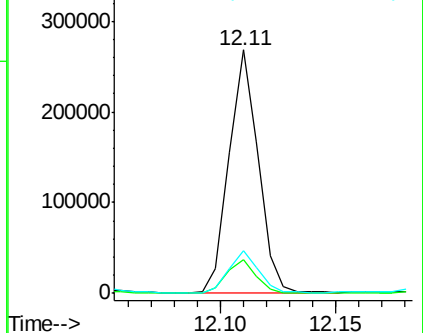
203 17.4 0.0 38.1



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: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

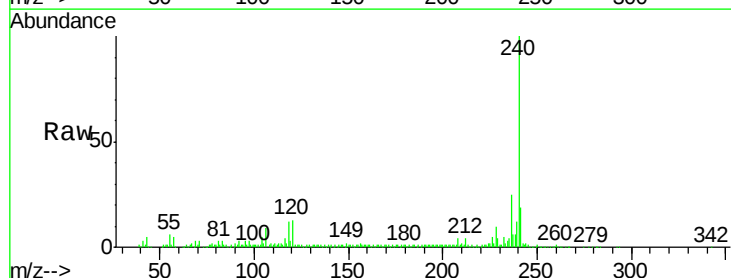
Tgt Ion:240 Resp: 177552

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

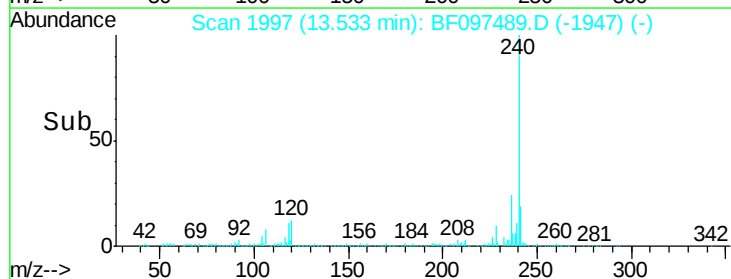
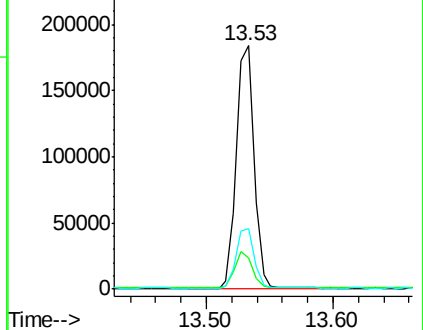
236 24.8 20.5 30.7

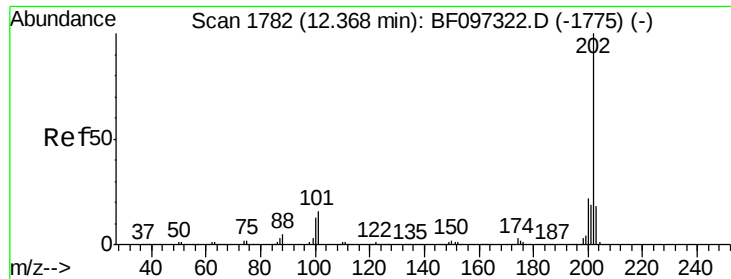


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

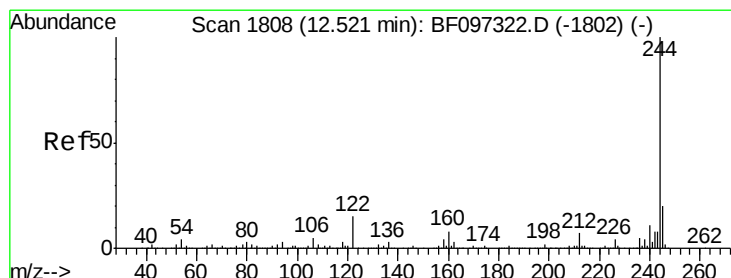
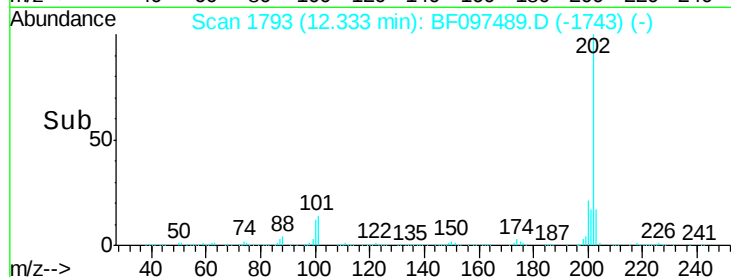
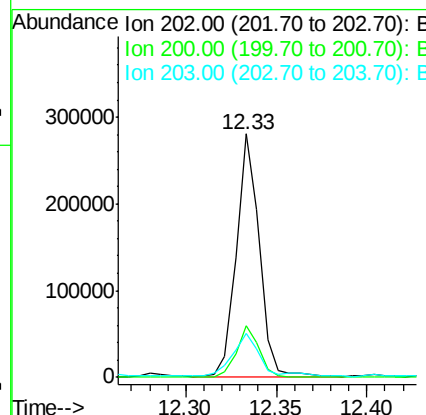
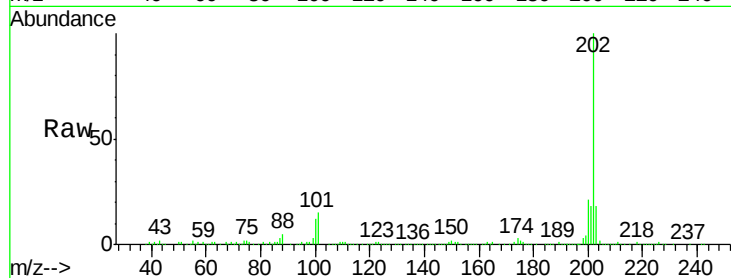




#77
Pvrene
Concen: 16.91 ng
RT: 12.33 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

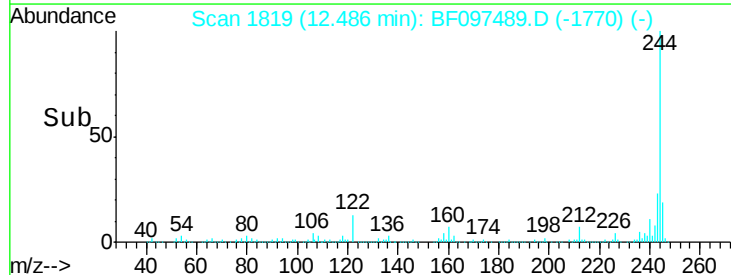
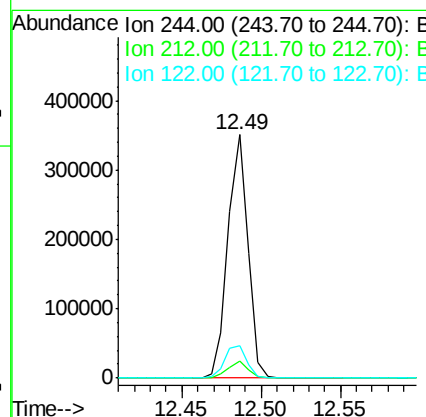
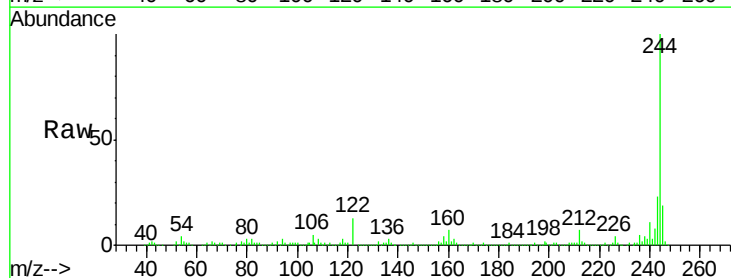
Instrument :
BNA_F
ClientSampleId :
CL-01-080717-C

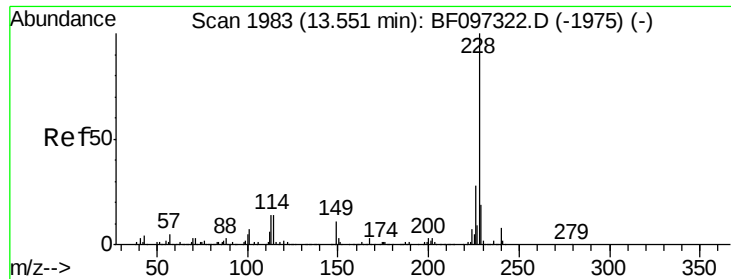
Tot Ion:202 Resp: 245725
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 18.2 14.4 21.6



#78
Terphenyl-d14
Concen: 35.39 ng
RT: 12.49 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Tgt Ion:244 Resp: 308148
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 13.4 10.3 15.5





#80

Benzo(a)anthracene

Concen: 7.82 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-C

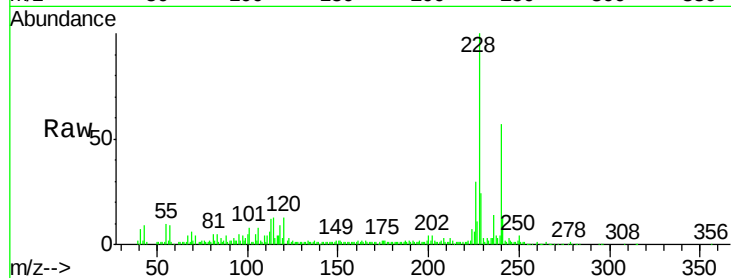
Tot Ion:228 Resp: 89822

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

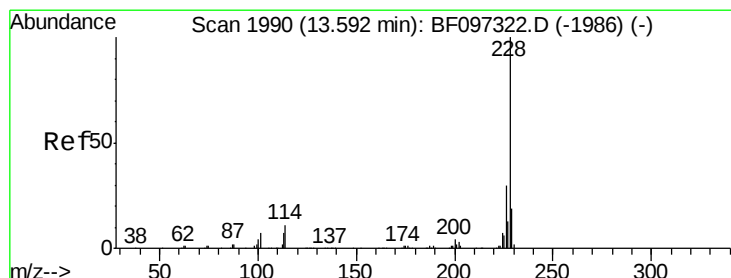
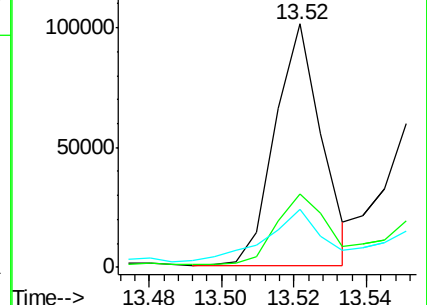
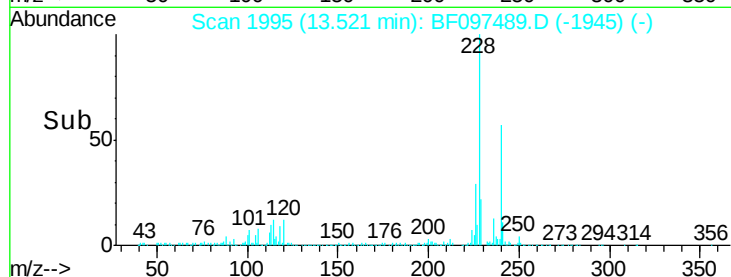
229 23.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 7.98 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF097489.D

Acq: 9 Aug 2017 00:55

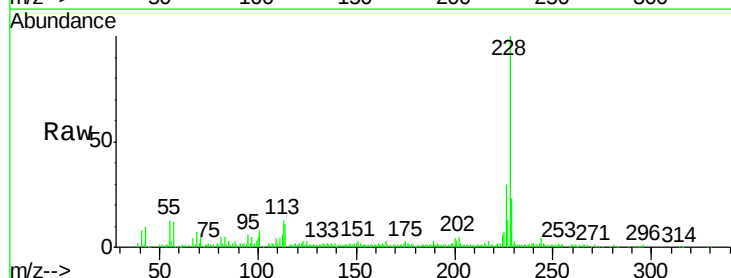
Tgt Ion:228 Resp: 89559

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

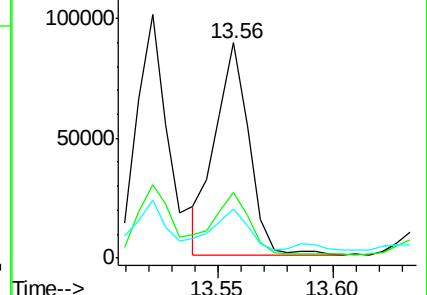
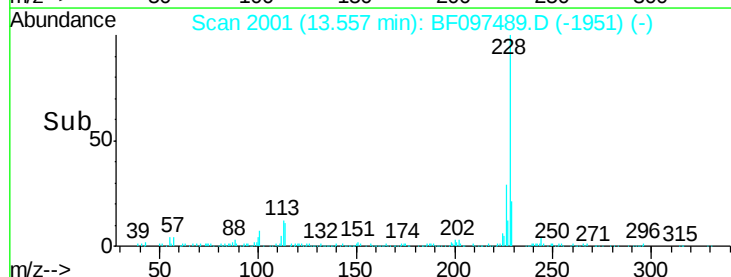
229 23.1 15.8 23.6

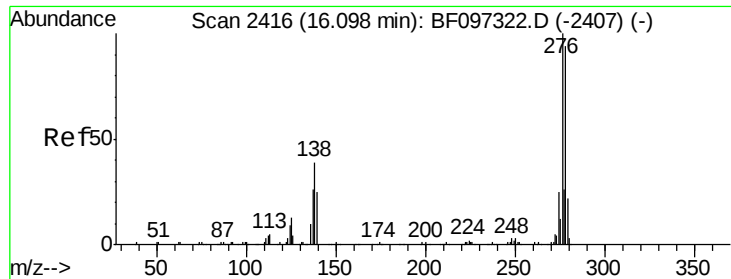


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

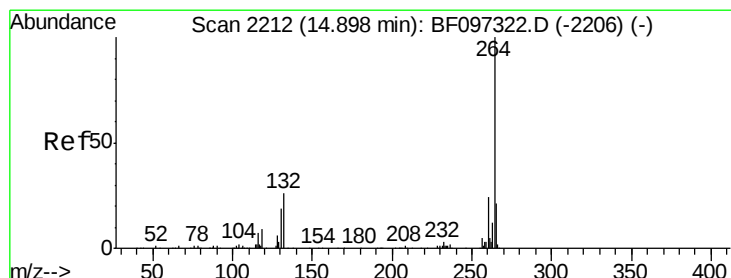
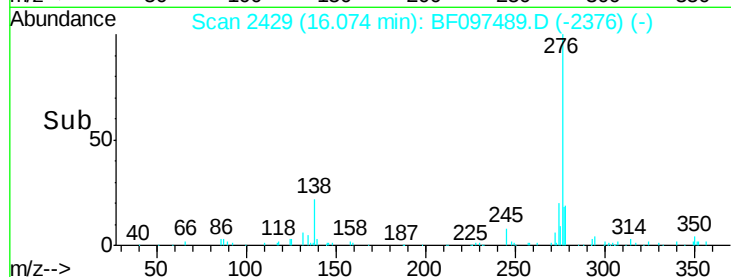
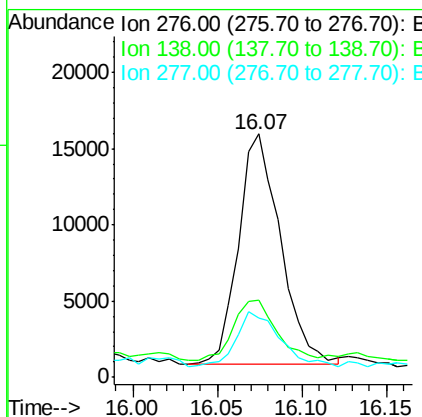
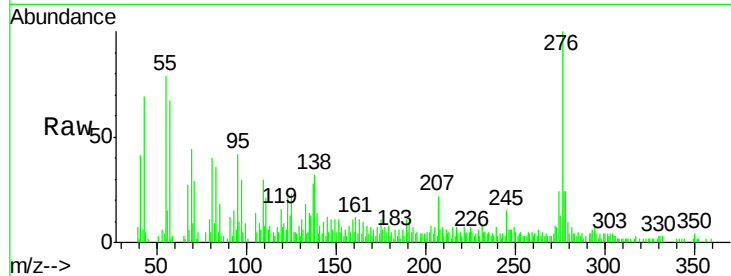




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.72 ng
RT: 16.07 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

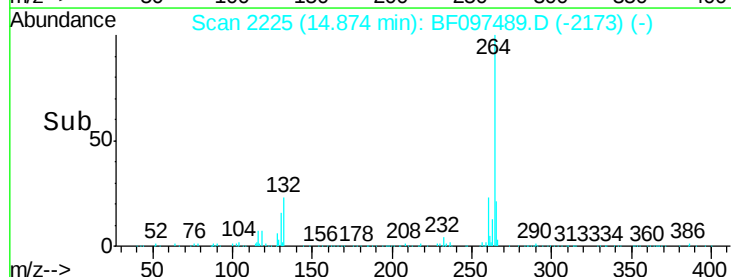
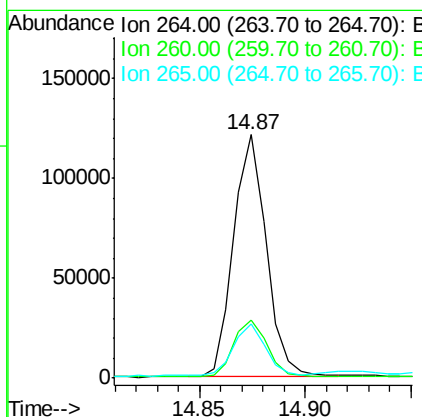
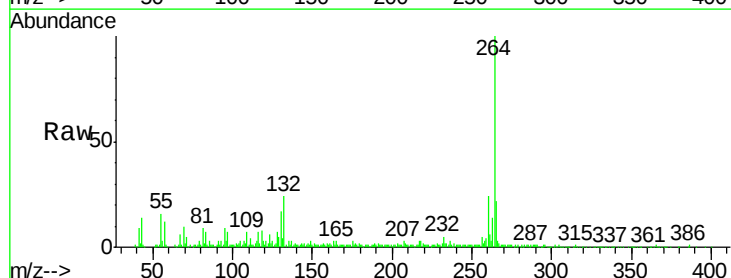
Instrument :
BNA_F
ClientSampleId :
CL-01-080717-C

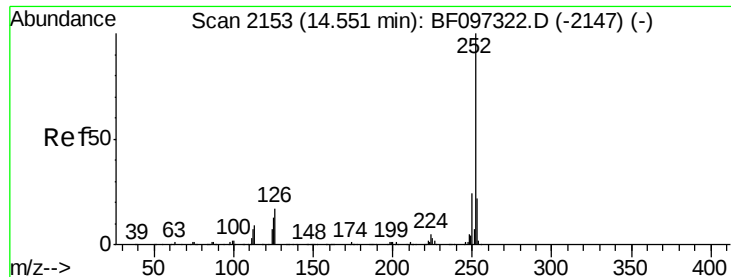
Tot Ion:276 Resp: 26138
Ion Ratio Lower Upper
276 100
138 26.1 27.8 41.6#
277 24.5 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Tgt Ion:264 Resp: 130436
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.2 17.2 25.8

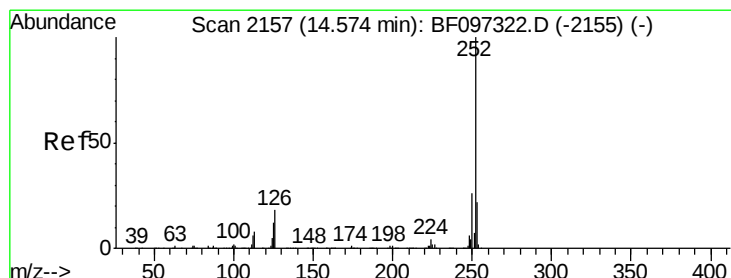
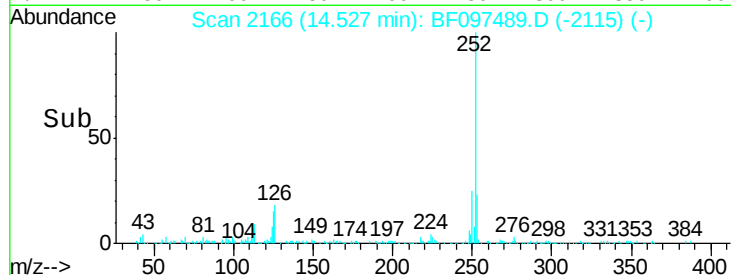
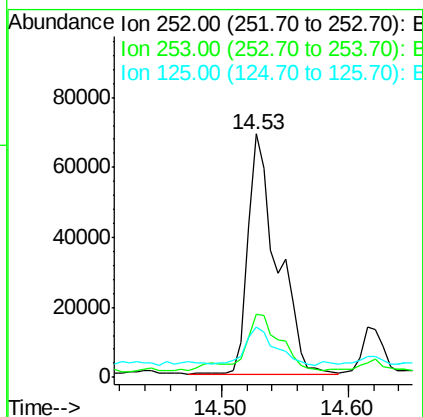
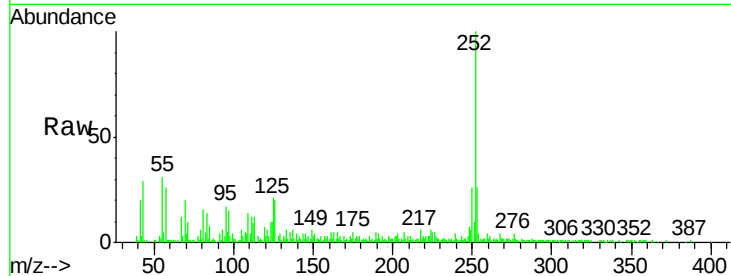




#87
Benzo(b)fluoranthene
Concen: 13.84 ng
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

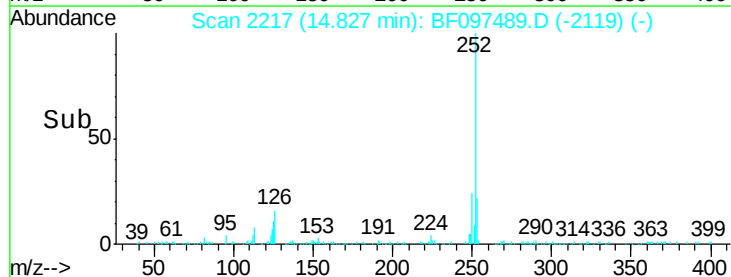
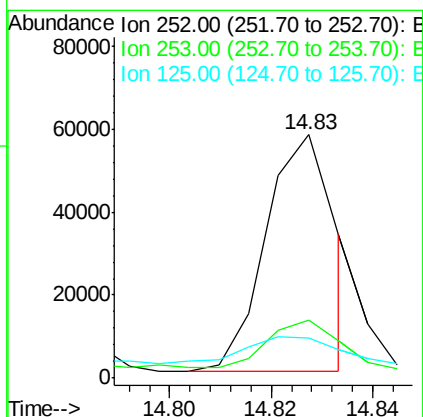
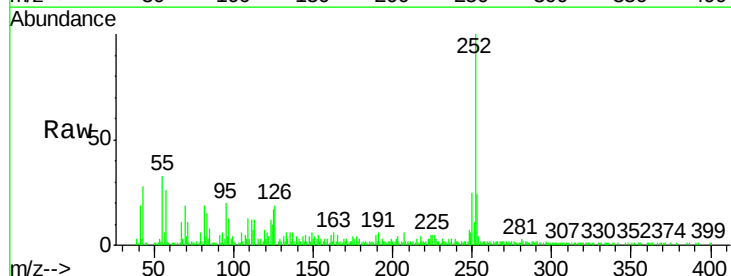
Instrument :
BNA_F
ClientSampleId :
CL-01-080717-C

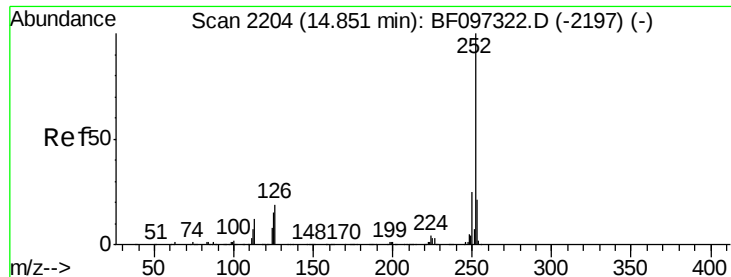
Tot Ion:252 Resp: 108493
Ion Ratio Lower Upper
252 100
253 25.9 18.1 27.1
125 20.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 7.24 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.28 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Tgt Ion:252 Resp: 54102
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 16.7 13.1 19.7

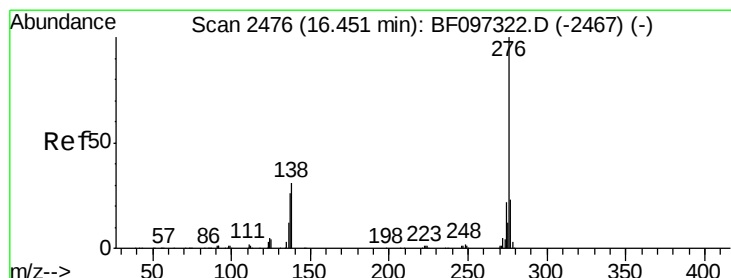
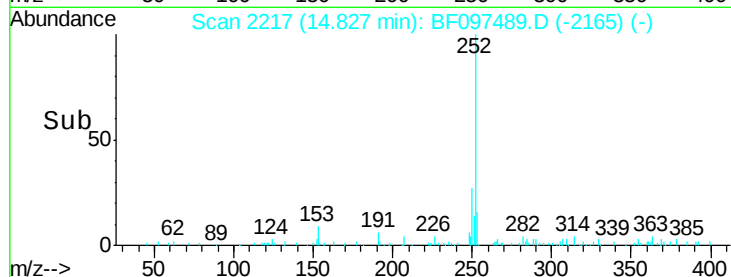
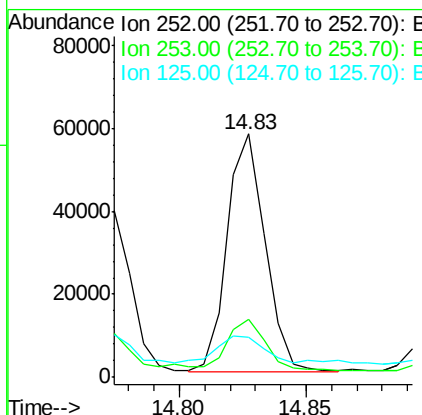
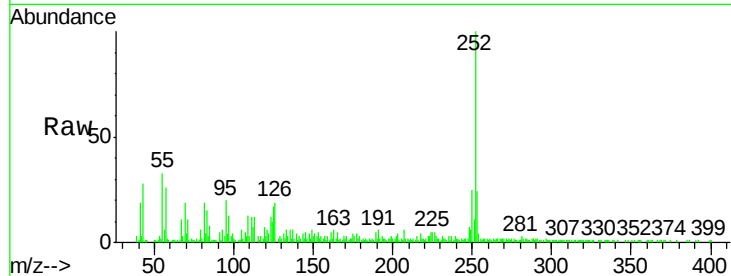




#89
Benzo(a)pyrene
Concen: 8.35 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	16.7	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 5.04 ng
RT: 16.43 min Scan# 2489
Delta R.T. 0.02 min
Lab File: BF097489.D
Acq: 9 Aug 2017 00:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.6	28.0
138	38.5	25.4	38.0

