

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097366.D
 Acq On : 4 Aug 2017 20:07
 Operator : SJ/JU
 Sample : I4585-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-080217

Quant Time: Aug 04 23:00:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	122330	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	490816	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	212676	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	297754	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	201346	20.00	ng	-0.07
86) Perylene-d12	14.89	264	176639	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	767983	94.64	ng	-0.05
7) Phenol-d6	6.12	99	891332	96.21	ng	-0.05
23) Nitrobenzene-d5	7.01	82	524506	62.69	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	138420	82.38	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	841174	67.12	ng	-0.07
78) Terphenyl-d14	12.52	244	517129	52.37	ng	-0.07

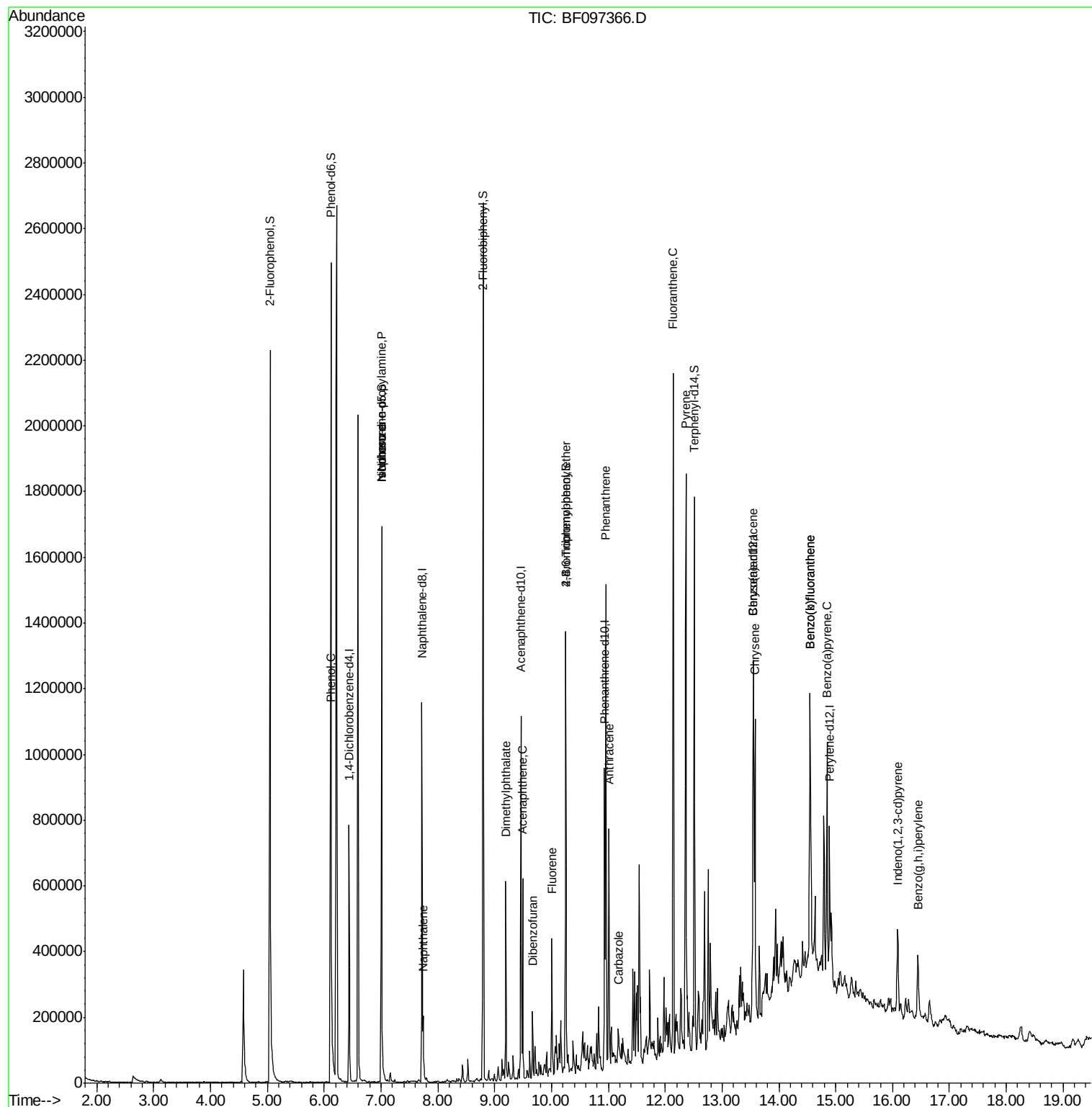
Target Compounds				Qvalue		
10) Phenol	6.13	94	38239	3.48	ng	93
19) n-Nitroso-di-n-propylamine	7.01	70	70221	11.52	ng	# 85
25) Isophorone	7.01	82	514536	31.40	ng	# 67
31) Naphthalene	7.74	128	86279	3.73	ng	98
49) Dimethylphthalate	9.20	163	224048	13.87	ng	99
51) Acenaphthene	9.49	154	121553	10.06	ng	95
54) Dibenzofuran	9.67	168	75582	4.69	ng	96
57) Fluorene	10.00	166	101985	8.43	ng	96
66) 4-Bromophenyl-phenylether	10.25	248	8988	3.02	ng	# 1
70) Phenanthrene	10.96	178	521208	32.67	ng	99
71) Anthracene	11.01	178	259821	15.90	ng	98
72) Carbazole	11.17	167	35093	2.18	ng	97
74) Fluoranthene	12.14	202	920641	58.91	ng	98
77) Pyrene	12.36	202	802901	48.71	ng	99
80) Benzo(a)anthracene	13.54	228	403147	30.94	ng	99
82) Chrysene	13.58	228	338739	26.63	ng	98
85) Indeno(1,2,3-cd)pyrene	16.09	276	139665	12.80	ng	96
87) Benzo(b)fluoranthene	14.54	252	536754	50.55	ng	# 96
88) Benzo(k)fluoranthene	14.54	252	536754	53.05	ng	99
89) Benzo(a)pyrene	14.84	252	292554	30.10	ng	96
91) Benzo(g,h,i)perylene	16.44	276	127232	15.22	ng	99

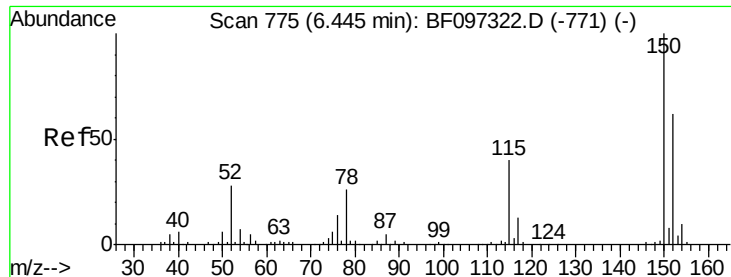
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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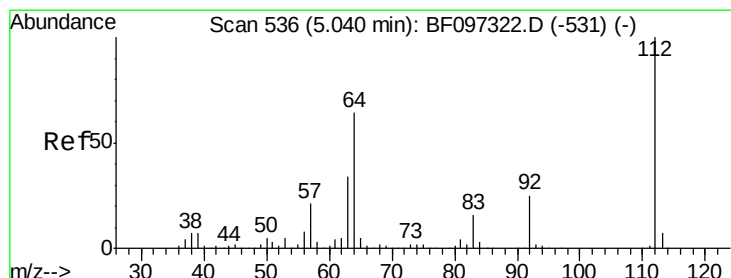
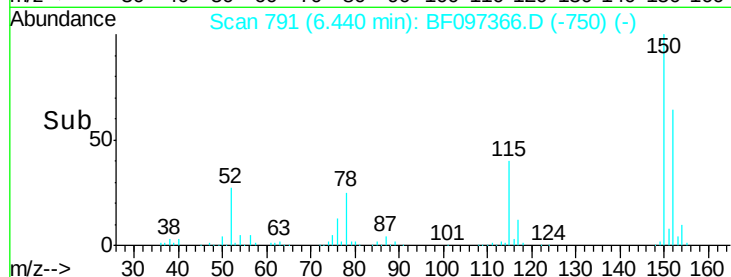
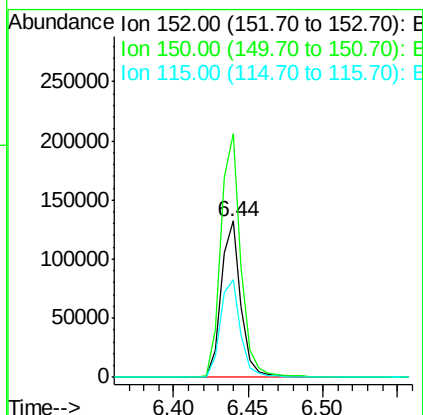
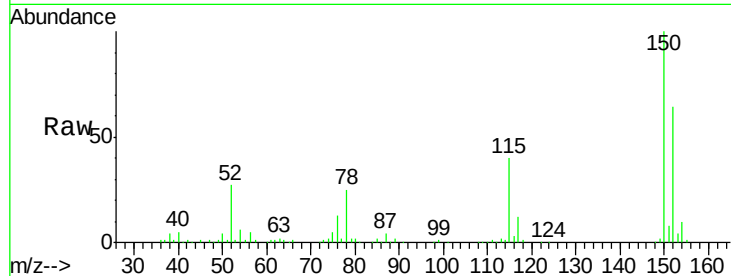


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
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ClientSampleId :
OR-01-080217

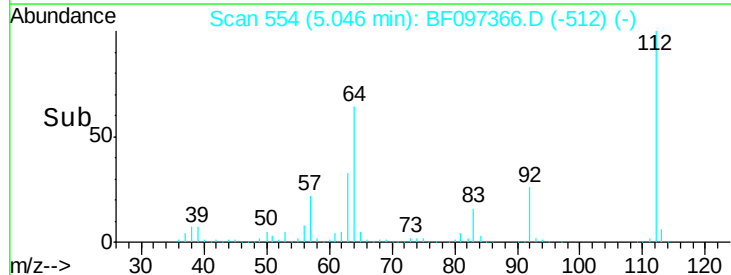
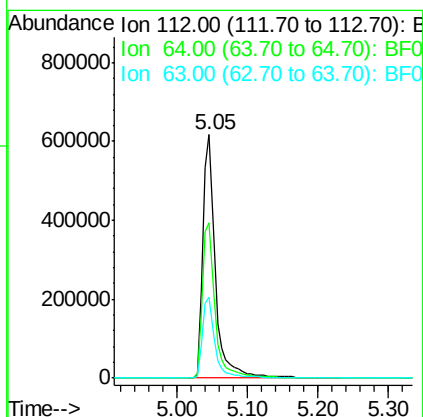
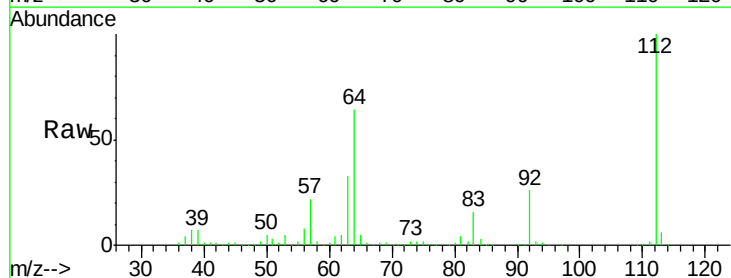
Tot Ion:152 Resp: 122330
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.2
115 62.2 52.2 78.2

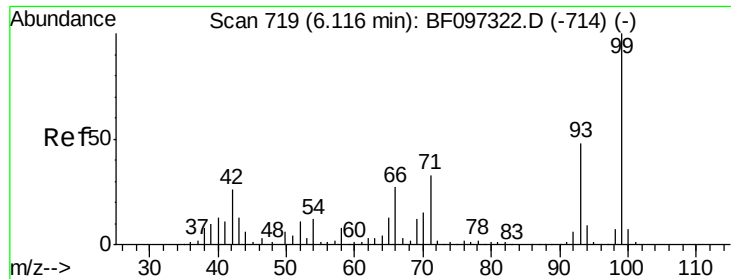


#5

2-Fluorophenol
Concen: 94.64 ng
RT: 5.05 min Scan# 554
Delta R.T. -0.05 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion:112 Resp: 767983
Ion Ratio Lower Upper
112 100
64 63.7 46.0 69.0
63 33.3 23.4 35.0





#7

Phenol-d6

Concen: 96.21 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

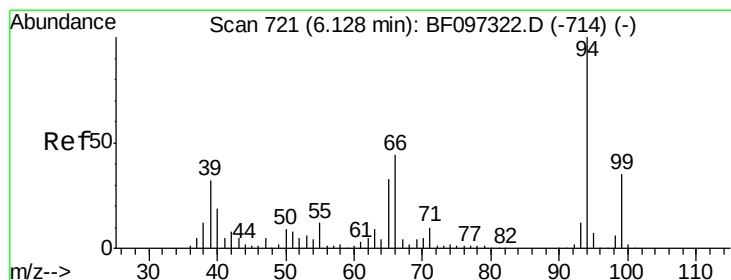
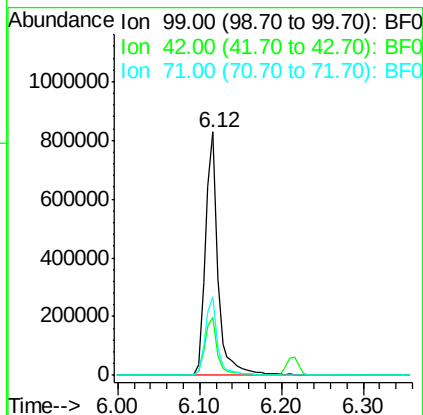
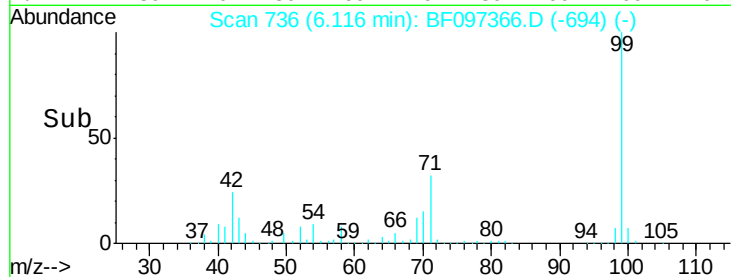
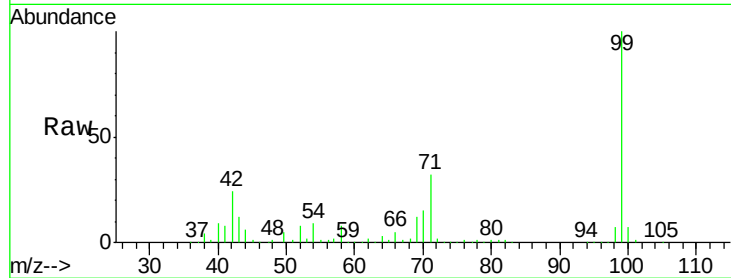
Tot Ion: 99 Resp: 891332

Ion Ratio Lower Upper

99 100

42 24.0 13.5 20.3#

71 32.4 24.5 36.7



#10

Phenol

Concen: 3.48 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

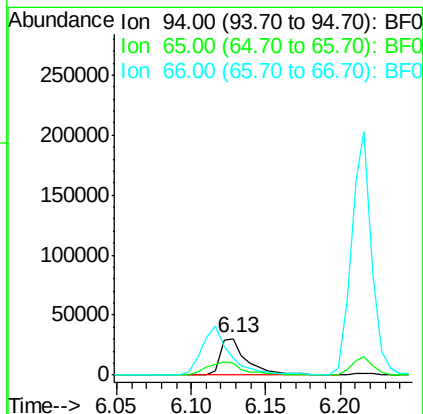
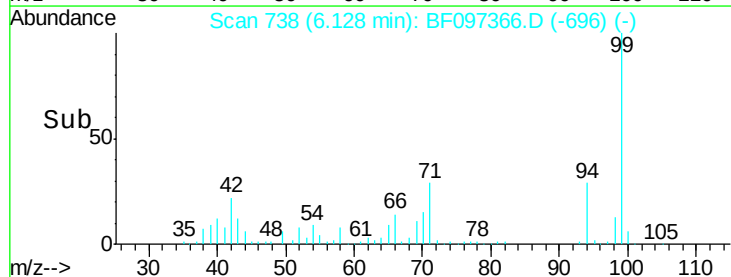
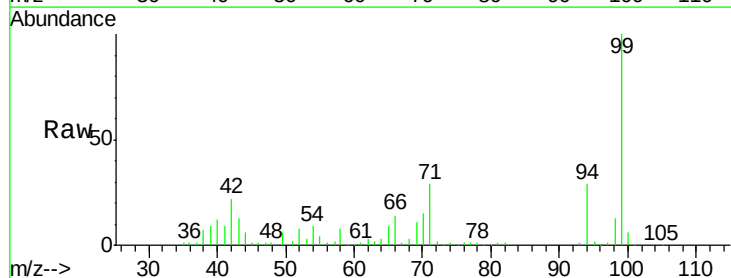
Tgt Ion: 94 Resp: 38239

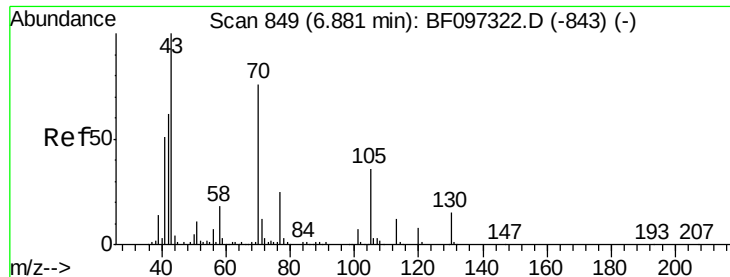
Ion Ratio Lower Upper

94 100

65 32.5 9.9 49.9

66 48.4 23.1 63.1

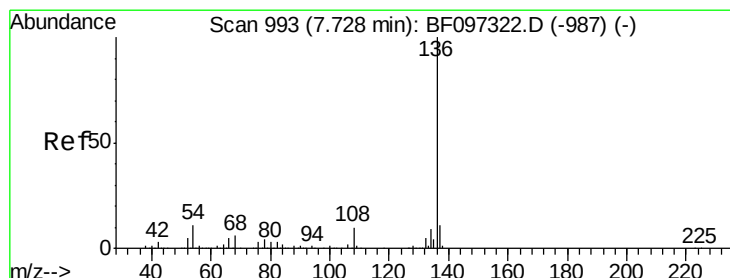
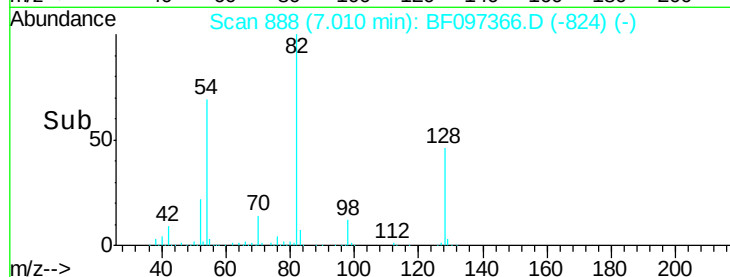
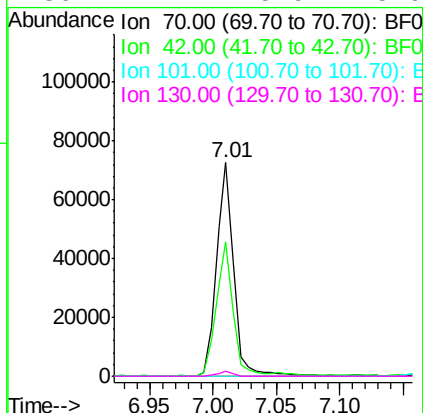
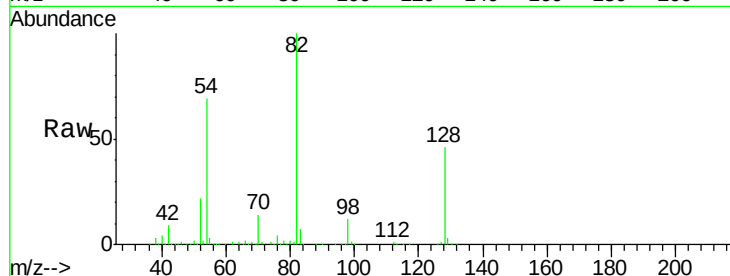




#19
n-Nitroso-di-n-propylamine
Concen: 11.52 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

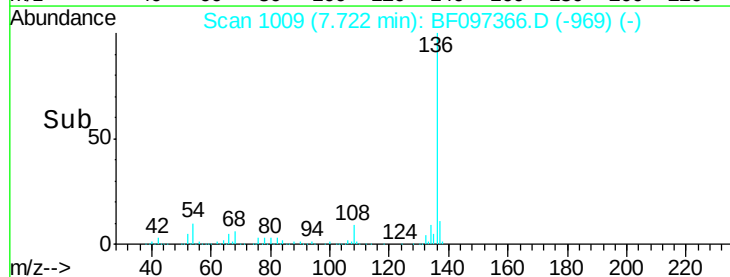
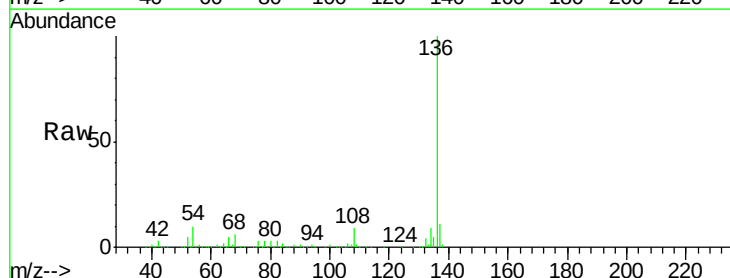
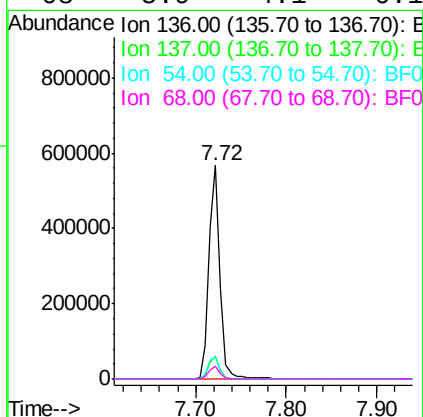
Instrument :
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OR-01-080217

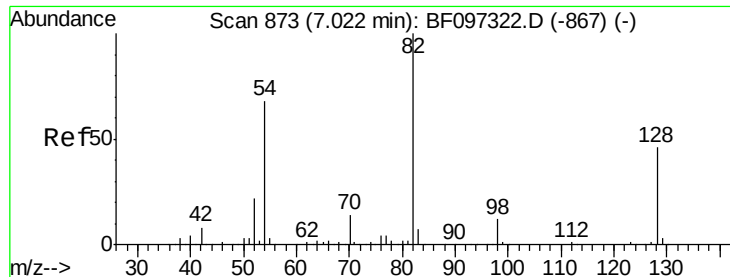
Tot Ion: 70 Resp: 70221
Ion Ratio Lower Upper
70 100
42 63.0 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion: 136 Resp: 490816
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.2 4.9 7.3#
68 5.9 4.1 6.1

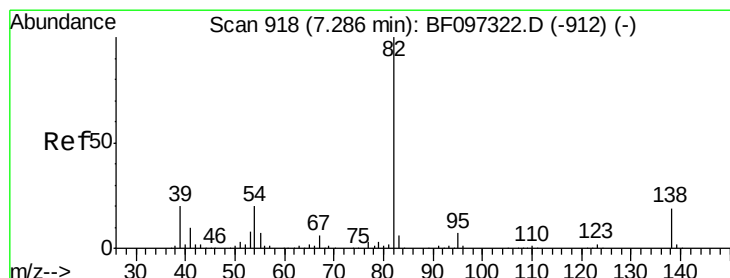
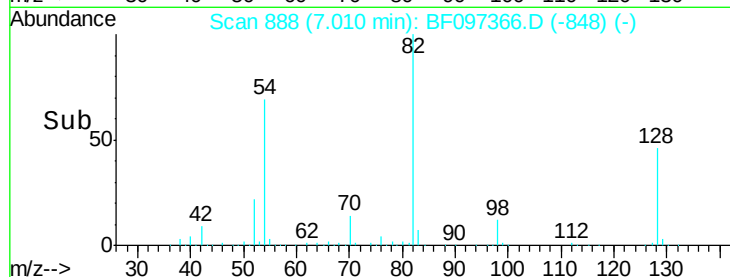
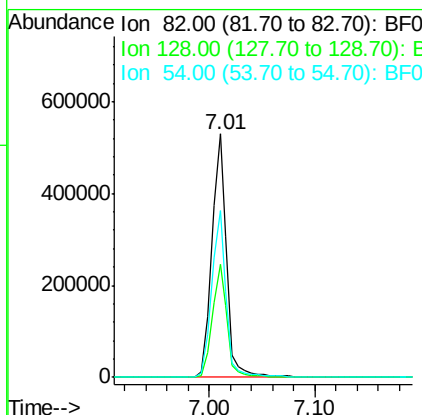
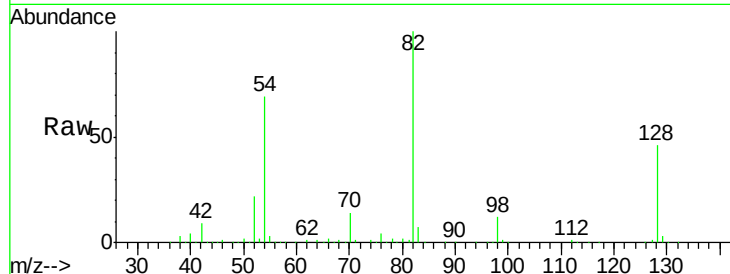




#23
Nitrobenzene-d5
Concen: 62.69 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

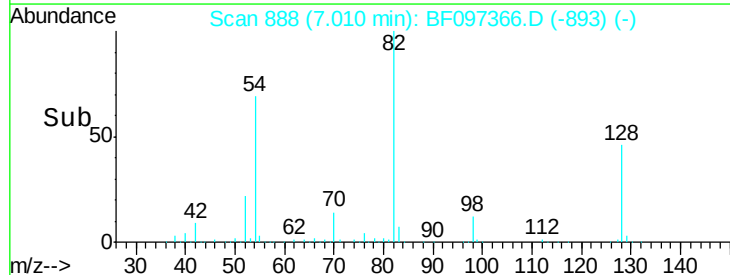
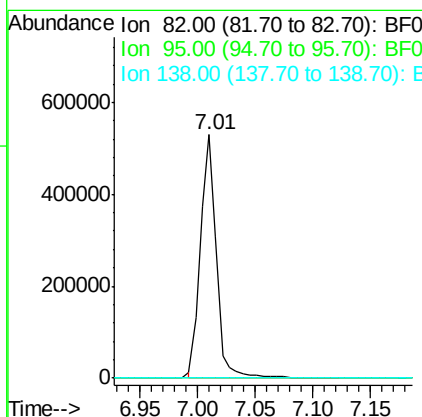
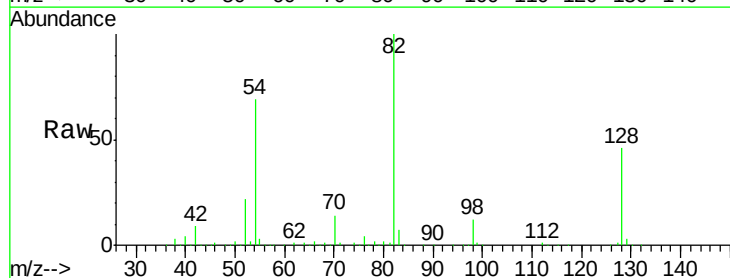
Instrument :
BNA_F
ClientSampleId :
OR-01-080217

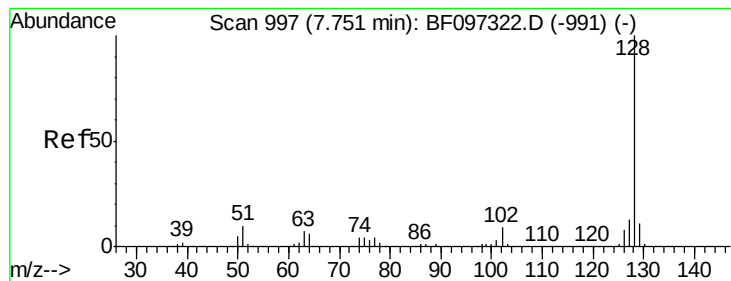
Tot Ion: 82 Resp: 524506
Ion Ratio Lower Upper
82 100
128 46.2 34.0 51.0
54 68.7 42.2 63.2#



#25
Isophorone
Concen: 31.40 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.33 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion: 82 Resp: 514536
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 3.73 ng

RT: 7.74 min Scan# 1012

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

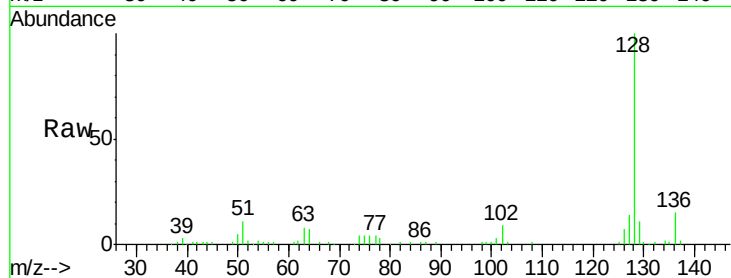
Tot Ion:128 Resp: 86279

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

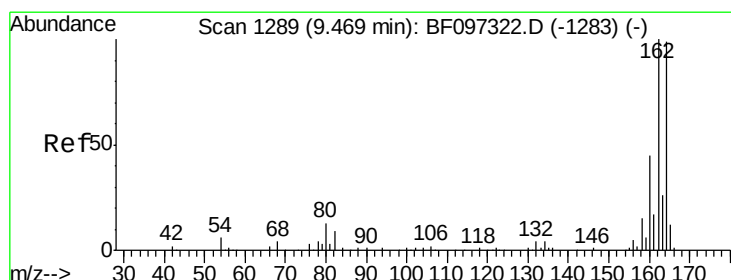
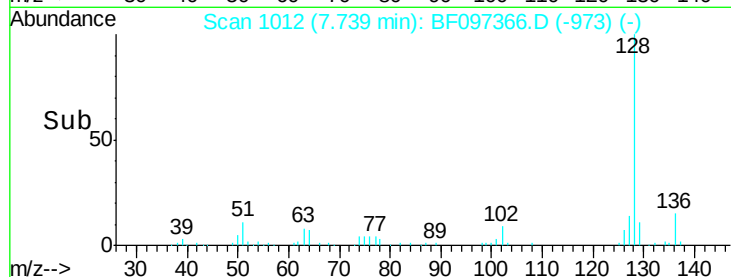
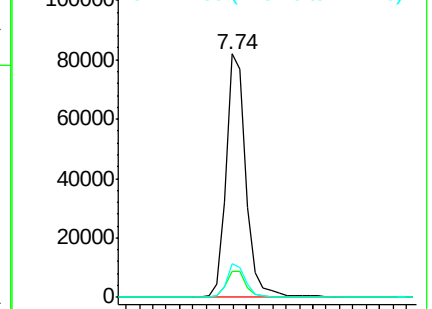
127 14.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

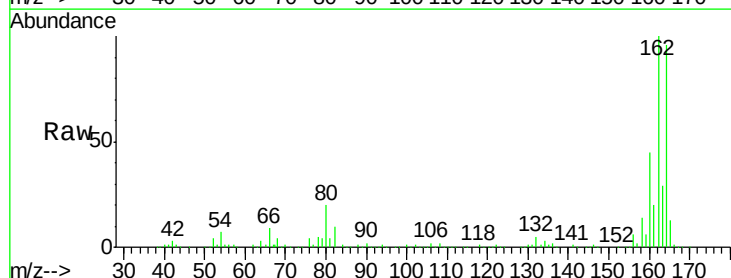
Tgt Ion:164 Resp: 212676

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

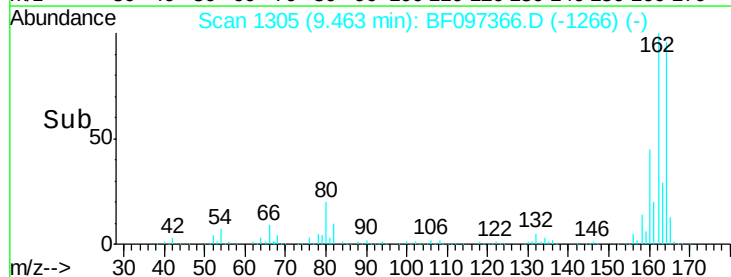
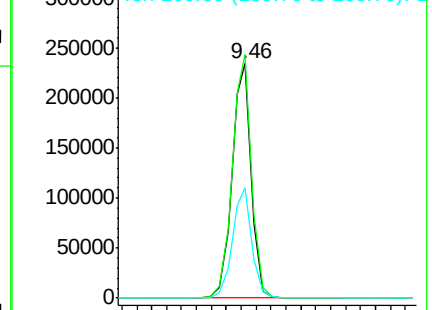
160 47.0 36.2 54.2

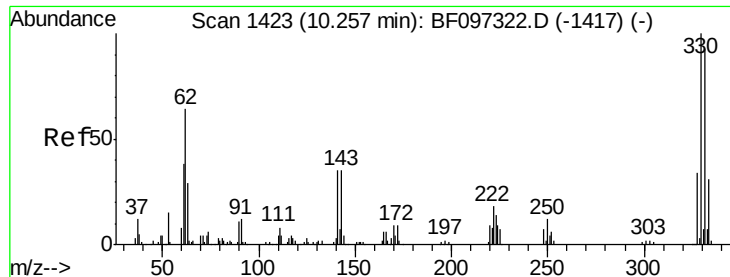


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

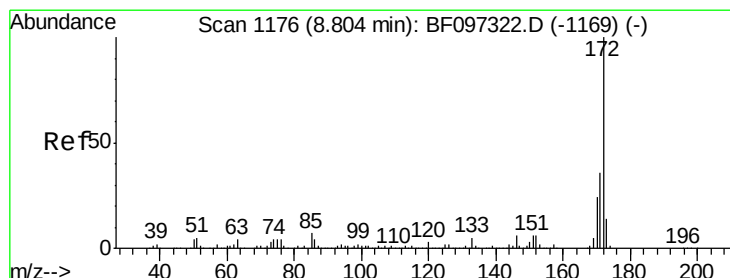
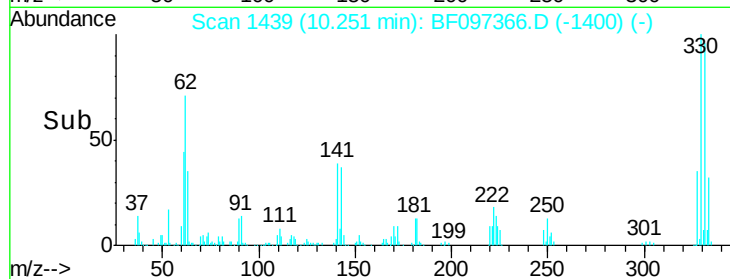
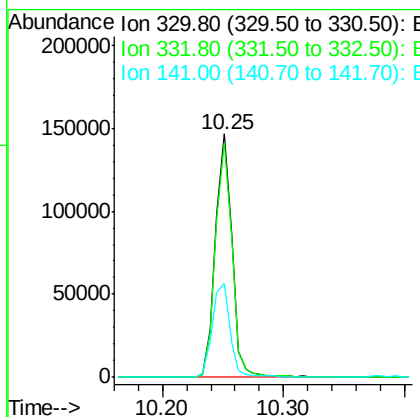
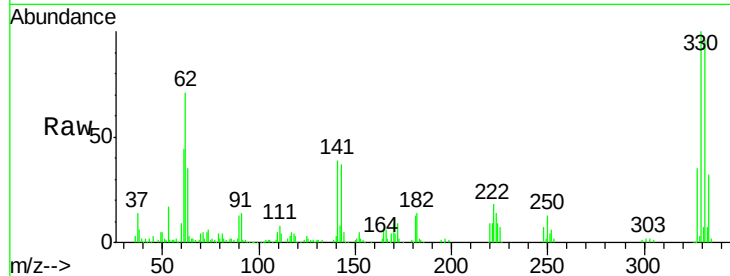




#41
 2,4,6-Tribromophenol
 Concen: 82.38 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097366.D
 Acq: 4 Aug 2017 20:07

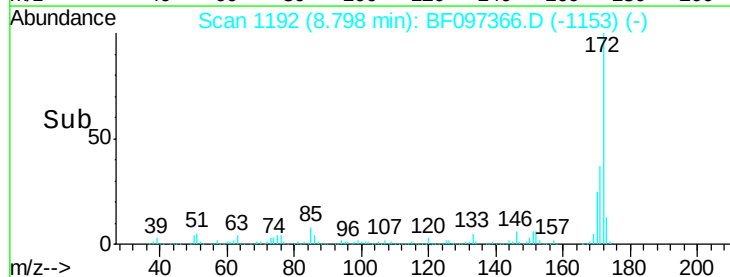
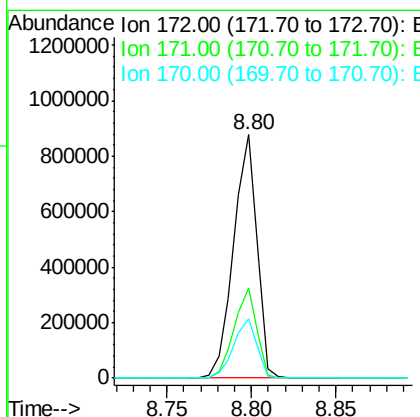
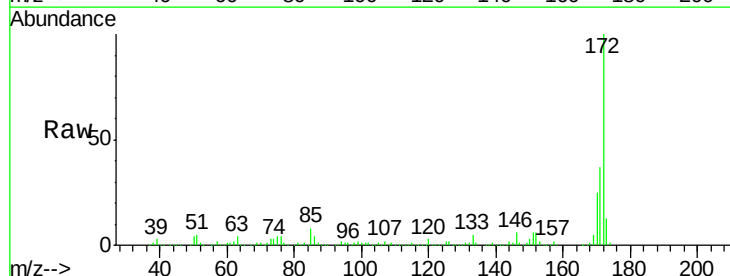
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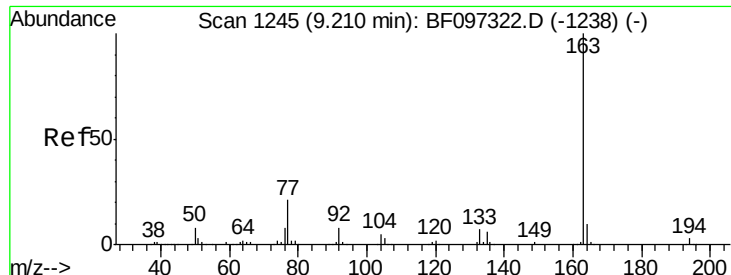
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	41.9	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 67.12 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097366.D
 Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.5	19.8	29.8

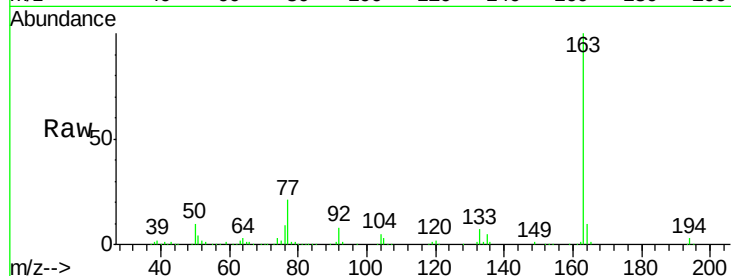




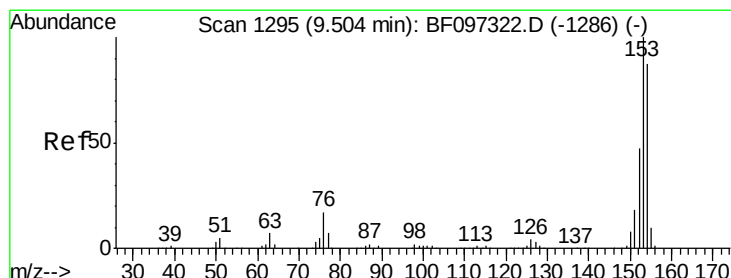
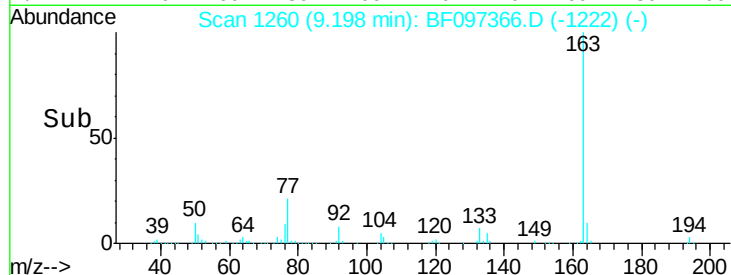
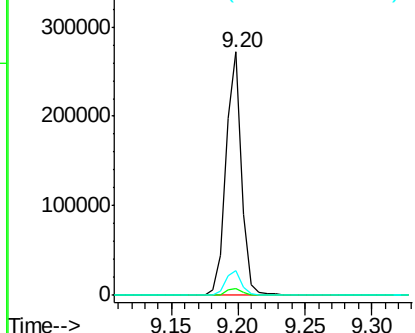
#49
Dimethylphthalate
Concen: 13.87 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.3	8.4	12.6

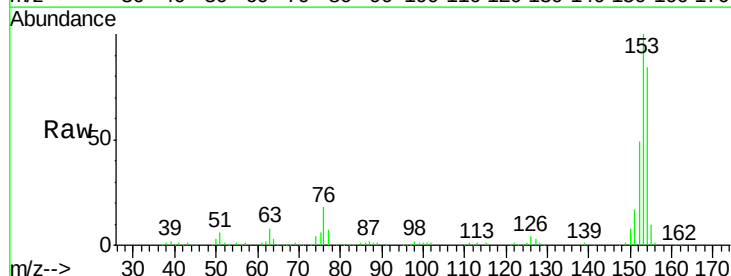


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

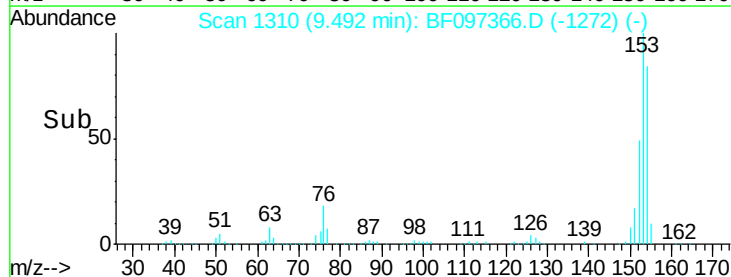
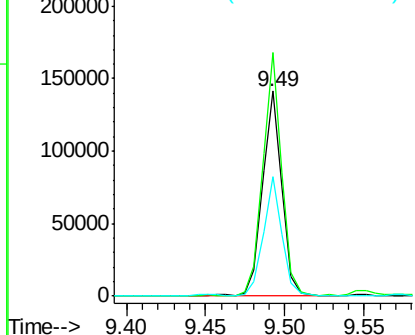


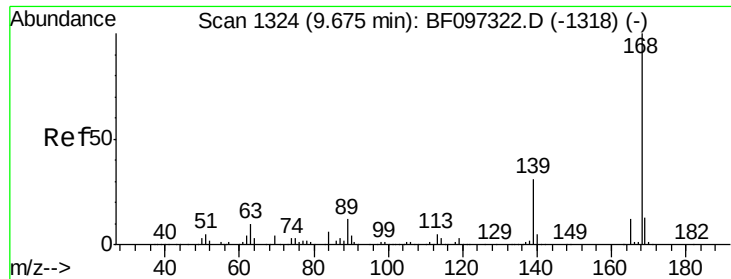
#51
Acenaphthene
Concen: 10.06 ng
RT: 9.49 min Scan# 1310
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.8	90.5	135.7
152	58.3	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

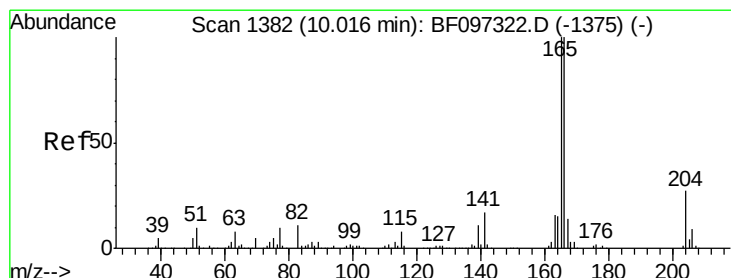
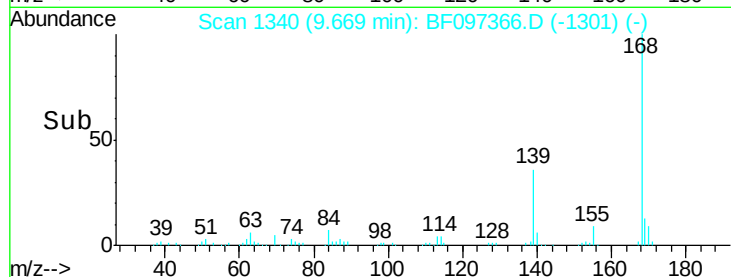
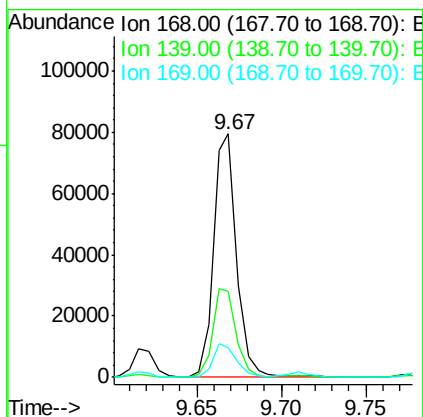
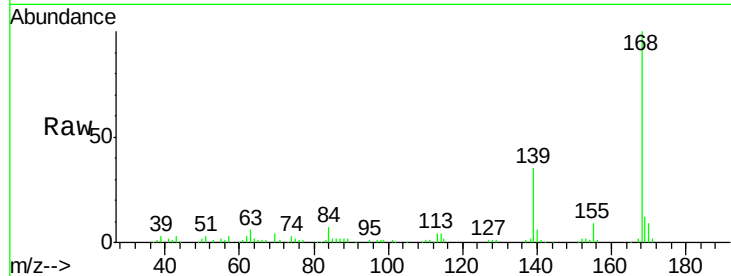




#54
Dibenzenofuran
Concen: 4.69 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

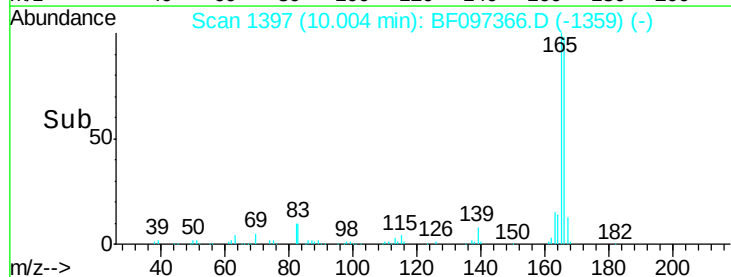
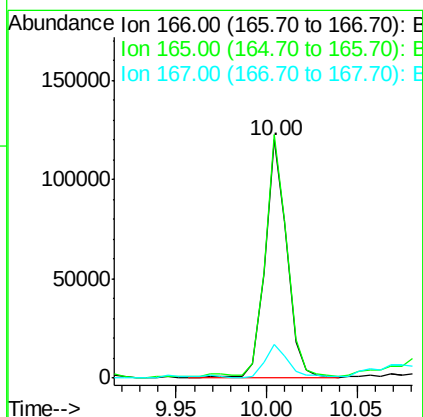
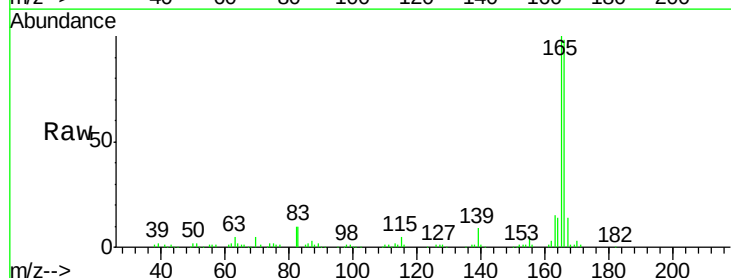
Instrument :
BNA_F
ClientSampleId :
OR-01-080217

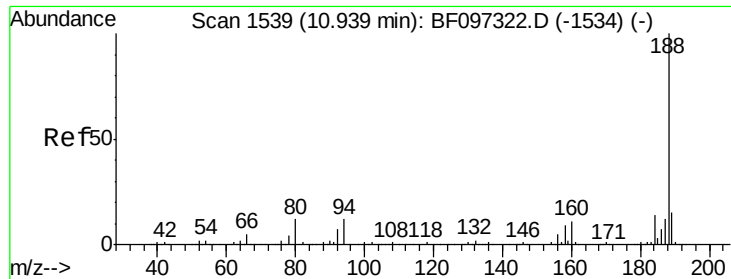
Tot Ion:168 Resp: 75582
Ion Ratio Lower Upper
168 100
139 35.2 30.6 45.8
169 12.5 10.8 16.2



#57
Fluorene
Concen: 8.43 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion:166 Resp: 101985
Ion Ratio Lower Upper
166 100
165 102.2 78.8 118.2
167 14.2 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

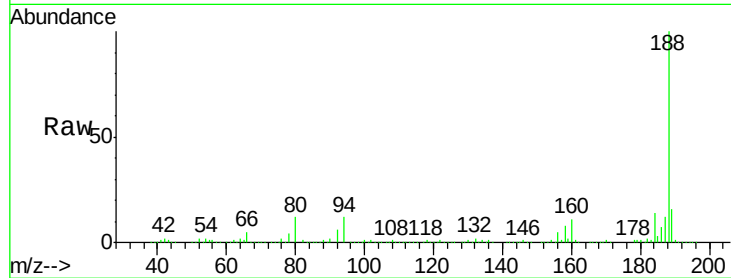
Tot Ion:188 Resp: 297754

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

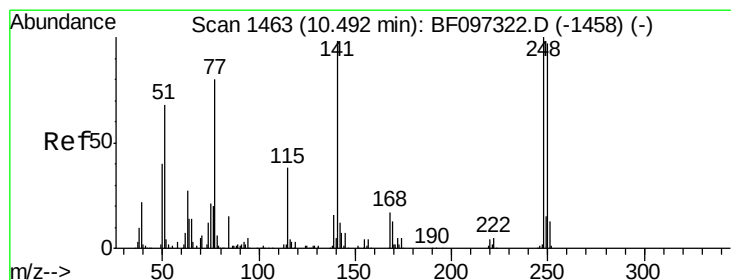
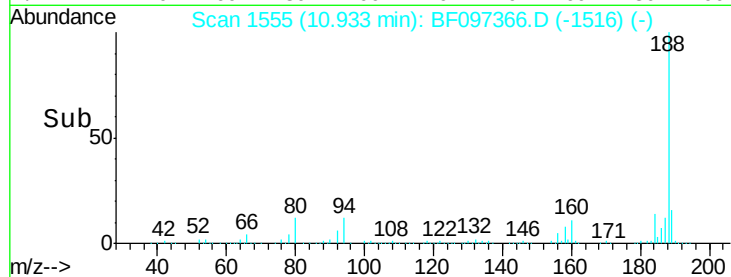
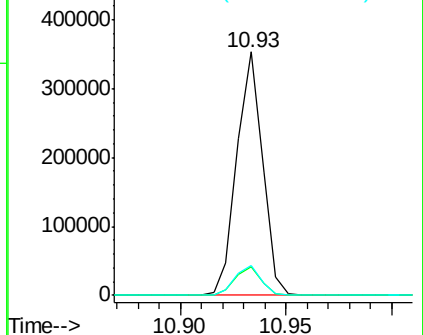
80 12.0 10.2 15.2



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: 3.02 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.31 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

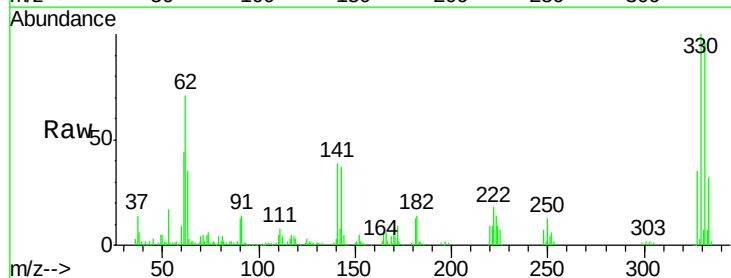
Tgt Ion:248 Resp: 8988

Ion Ratio Lower Upper

248 100

250 184.1 76.8 115.2#

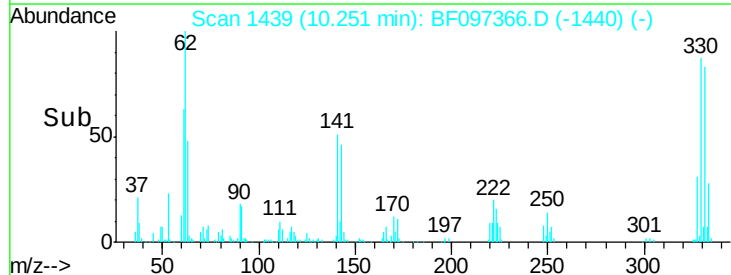
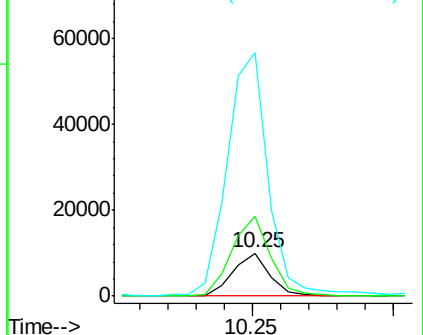
141 565.1 68.6 103.0#

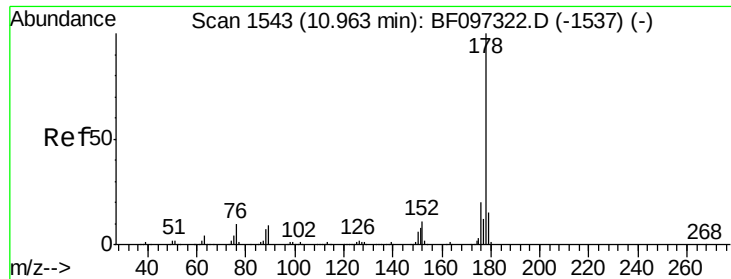


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

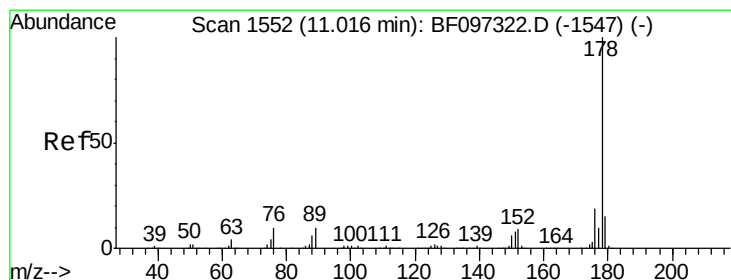
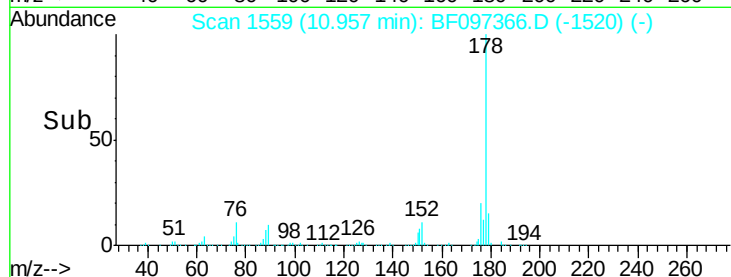
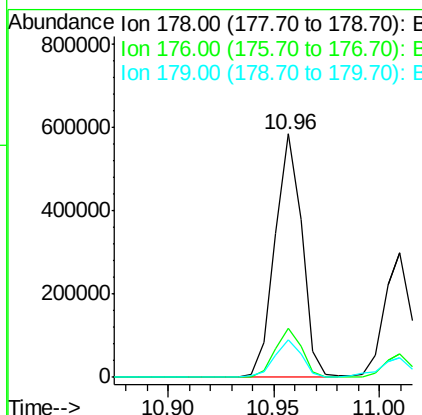
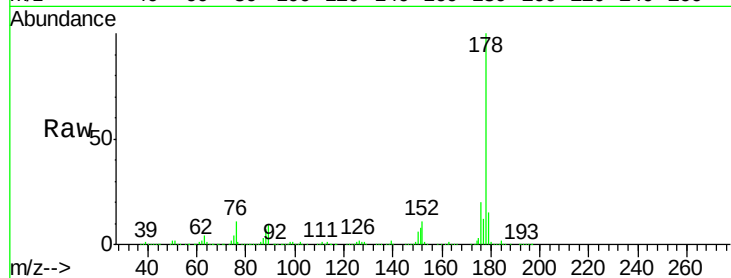




#70
Phenanthrene
Concen: 32.67 ng
RT: 10.96 min Scan# 1559
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

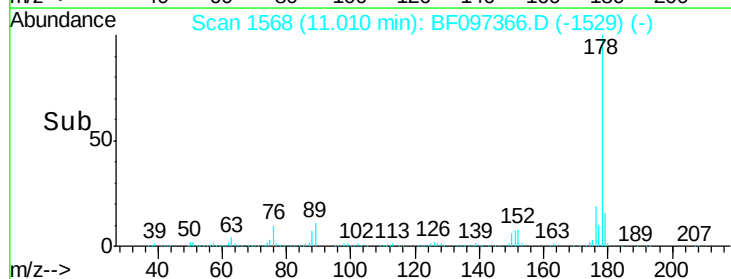
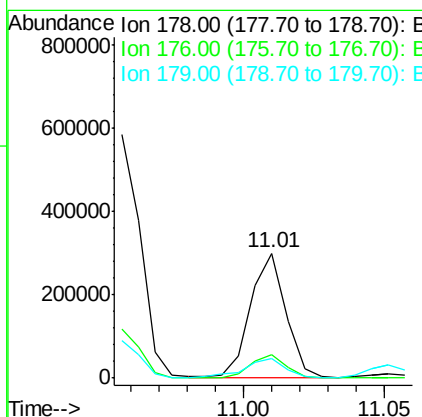
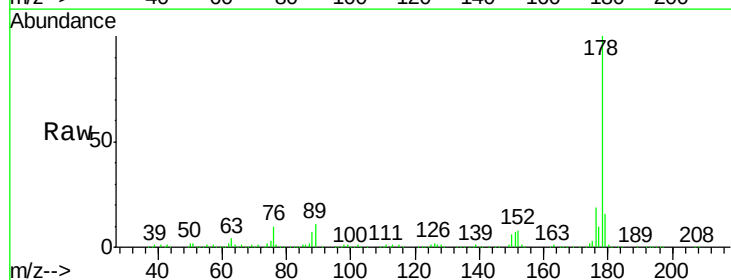
Instrument :
BNA_F
ClientSampleId :
OR-01-080217

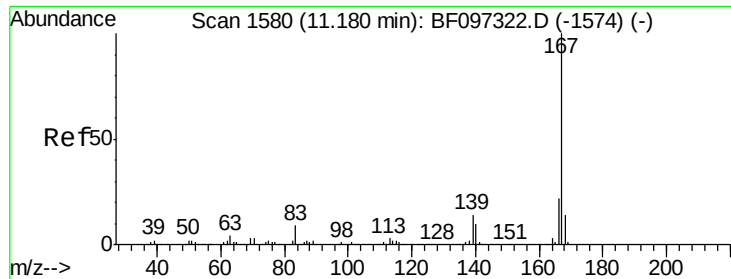
Tot Ion:178 Resp: 521208
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.2 12.6 19.0



#71
Anthracene
Concen: 15.90 ng
RT: 11.01 min Scan# 1568
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion:178 Resp: 259821
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.6 12.7 19.1





#72

Carbazole

Concen: 2.18 ng

RT: 11.17 min Scan# 1596

Delta R.T. -0.06 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

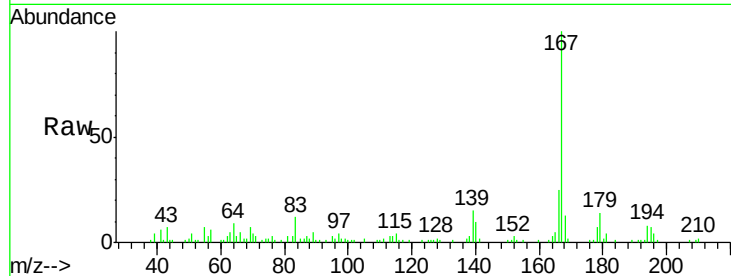
Tot Ion:167 Resp: 35093

Ion Ratio Lower Upper

167 100

166 24.9 18.1 27.1

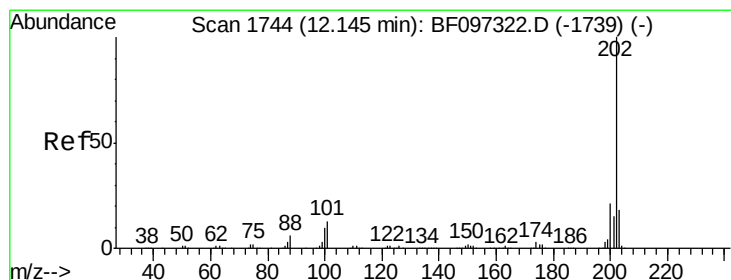
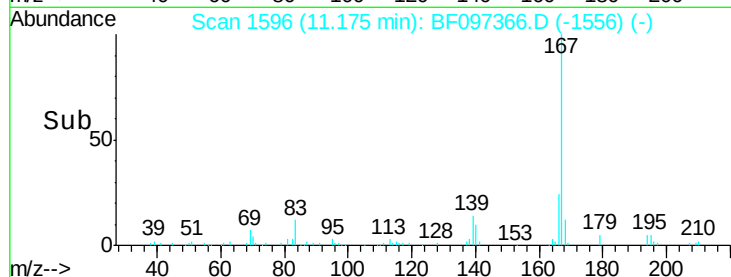
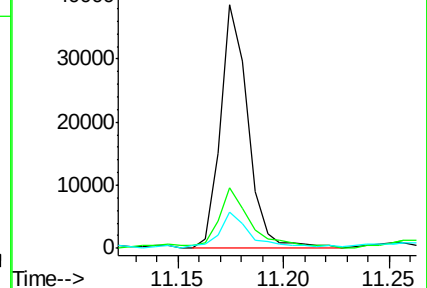
139 14.8 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 58.91 ng

RT: 12.14 min Scan# 1760

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

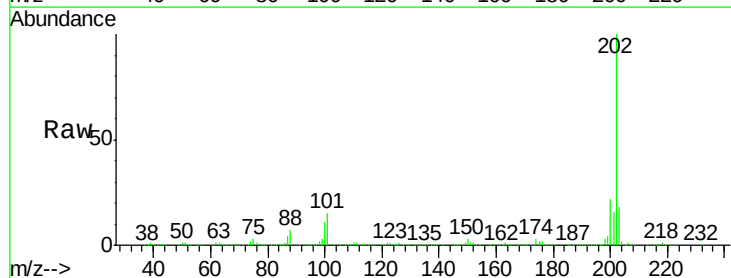
Tgt Ion:202 Resp: 920641

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

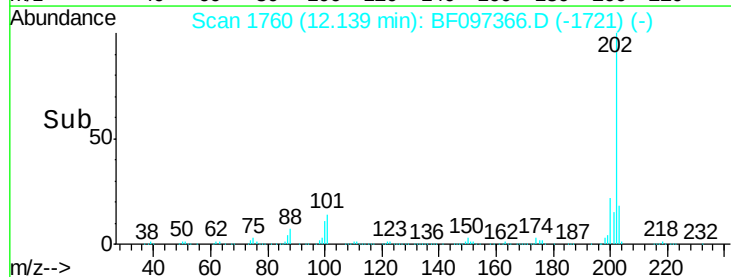
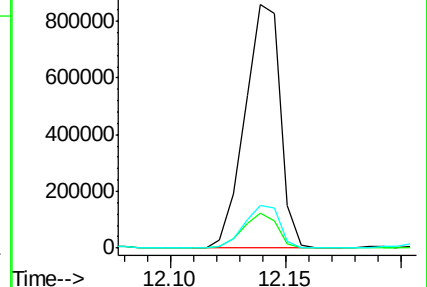
203 17.7 0.0 38.1

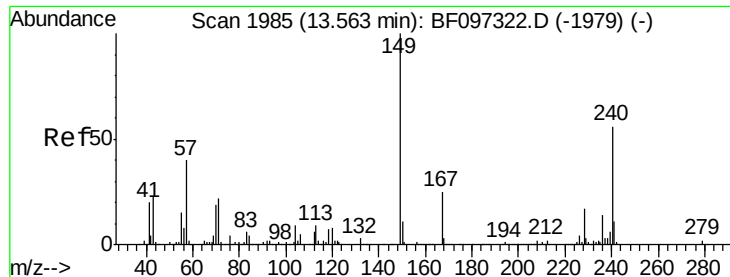


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.56 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

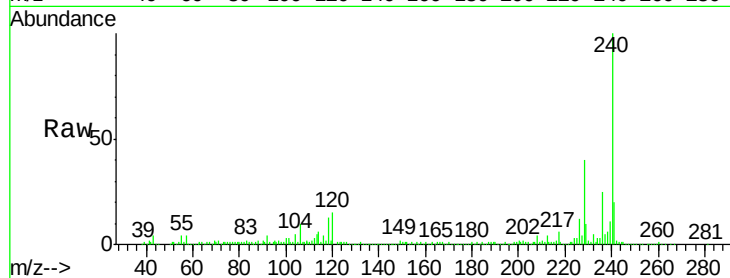
Tot Ion:240 Resp: 201346

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

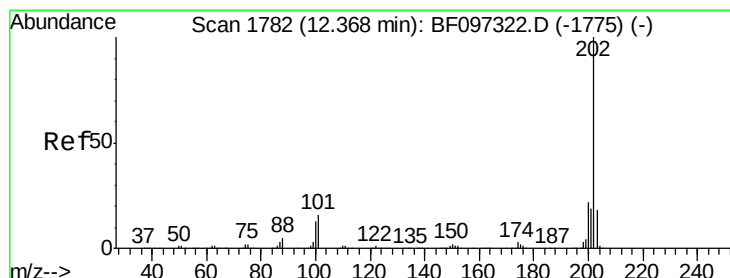
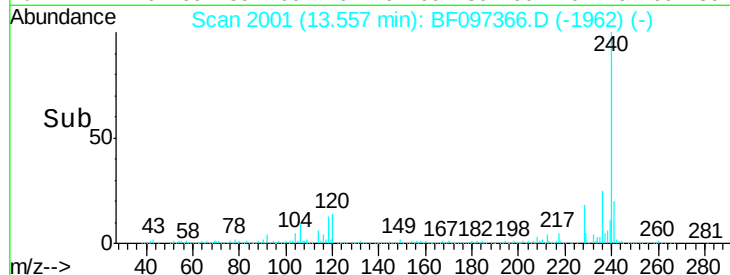
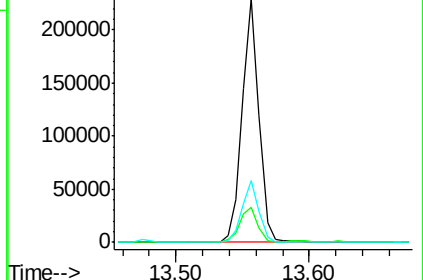
236 25.2 20.5 30.7



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

Pyrene

Concen: 48.71 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

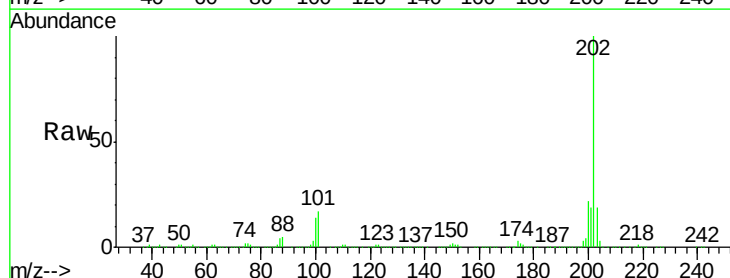
Tgt Ion:202 Resp: 802901

Ion Ratio Lower Upper

202 100

200 22.3 17.6 26.4

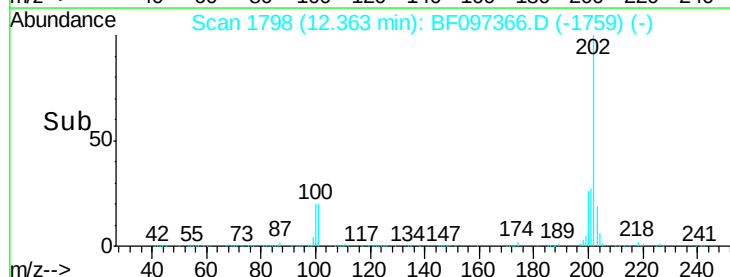
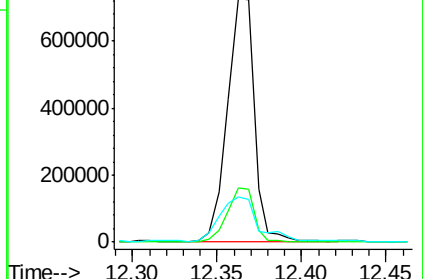
203 18.8 14.4 21.6

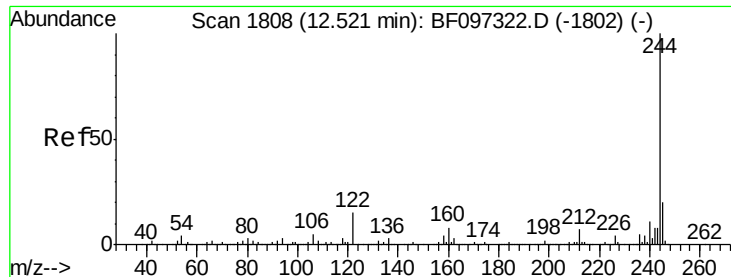


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

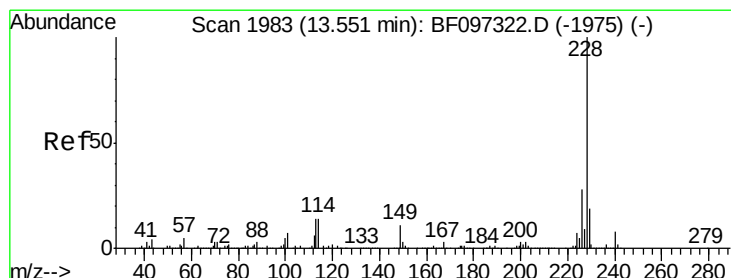
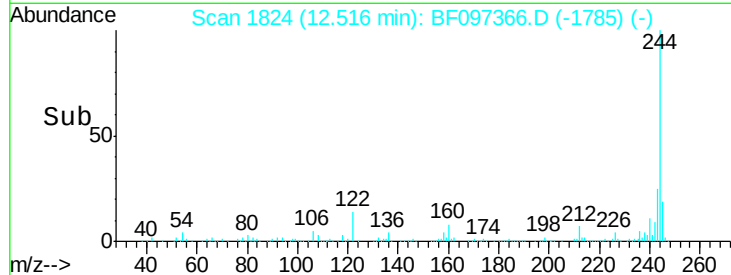
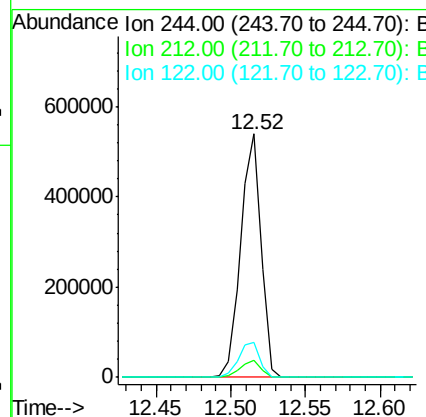
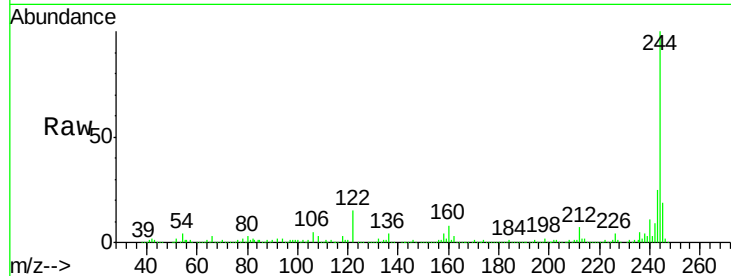




#78
 Terphenyl-d14
 Concen: 52.37 ng
 RT: 12.52 min Scan# 1824
 Delta R.T. -0.07 min
 Lab File: BF097366.D
 Acq: 4 Aug 2017 20:07

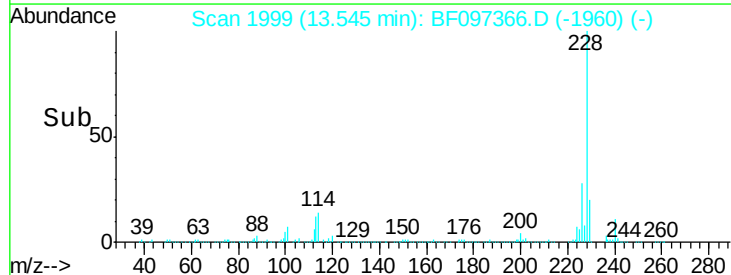
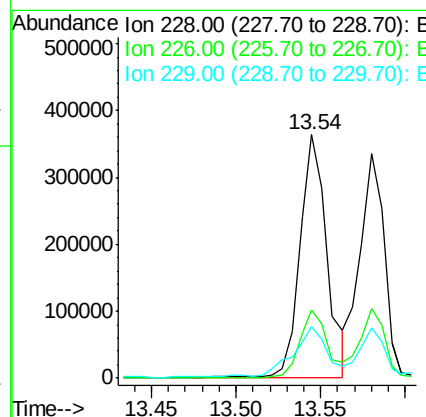
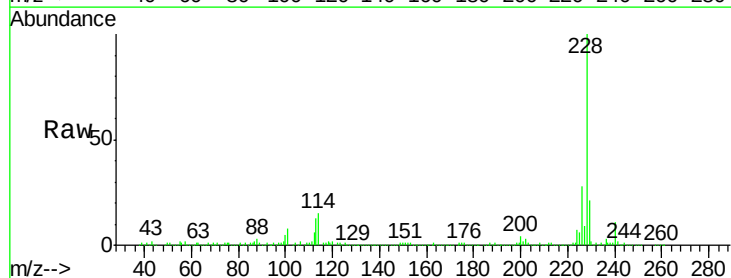
Instrument :
 BNA_F
 ClientSampleId :
 OR-01-080217

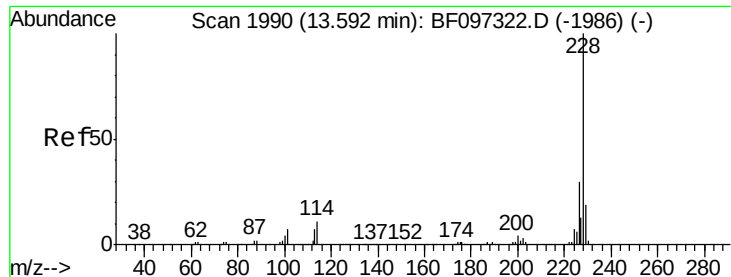
Tot Ion:244 Resp: 517129
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 30.94 ng
 RT: 13.54 min Scan# 1999
 Delta R.T. -0.07 min
 Lab File: BF097366.D
 Acq: 4 Aug 2017 20:07

Tgt Ion:228 Resp: 403147
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.6 33.8
 229 21.2 16.3 24.5





#82

Chrysene

Concen: 26.63 ng

RT: 13.58 min Scan# 2005

Delta R.T. -0.08 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

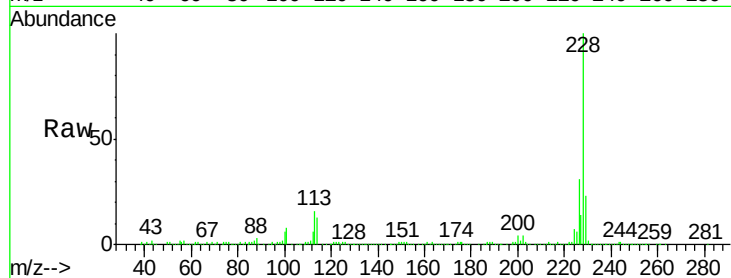
Tot Ion:228 Resp: 338739

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

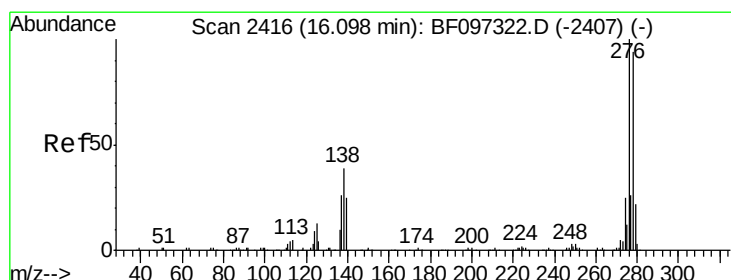
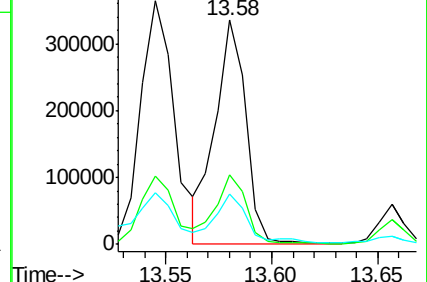
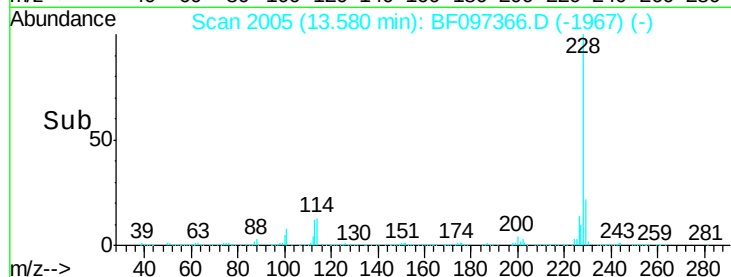
229 22.5 15.8 23.6



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: 12.80 ng

RT: 16.09 min Scan# 2432

Delta R.T. -0.11 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

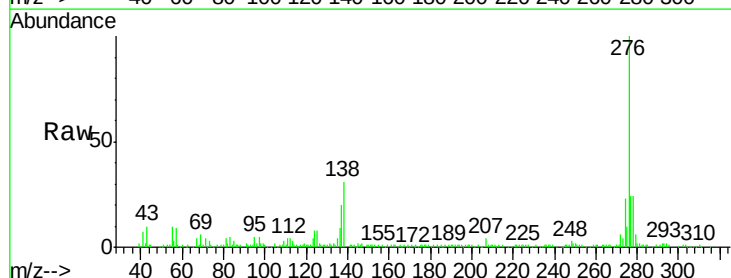
Tgt Ion:276 Resp: 139665

Ion Ratio Lower Upper

276 100

138 31.9 27.8 41.6

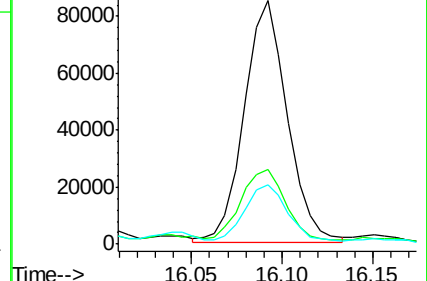
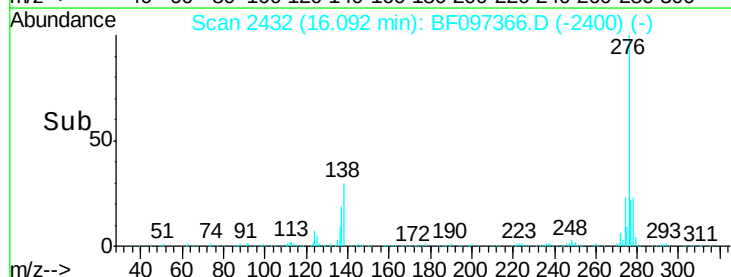
277 23.7 20.2 30.4

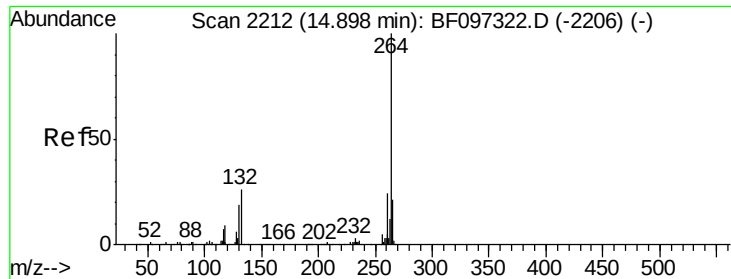


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

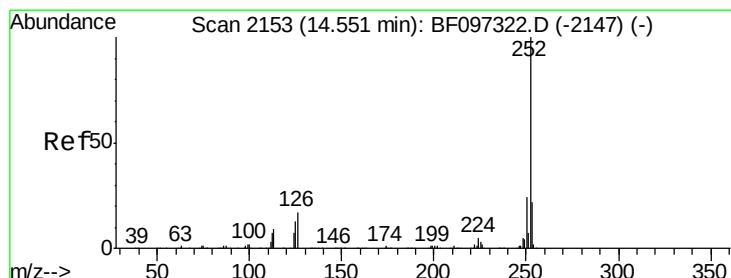
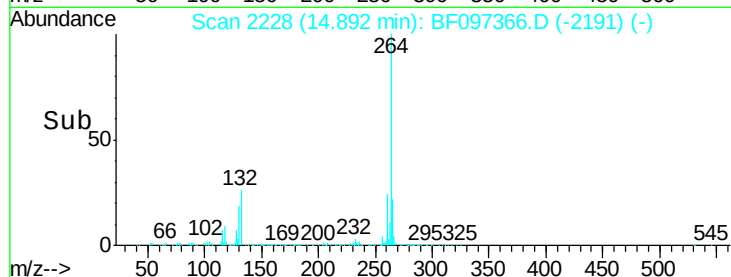
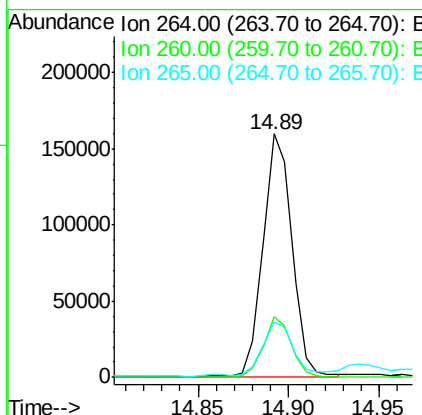
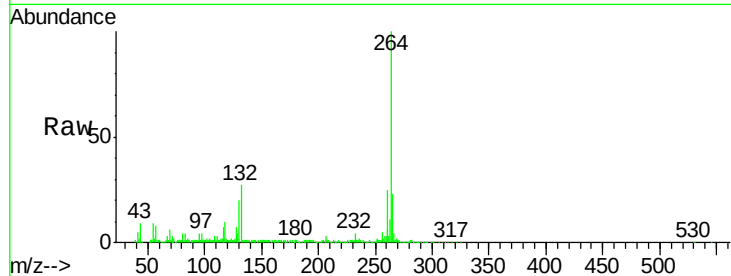




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

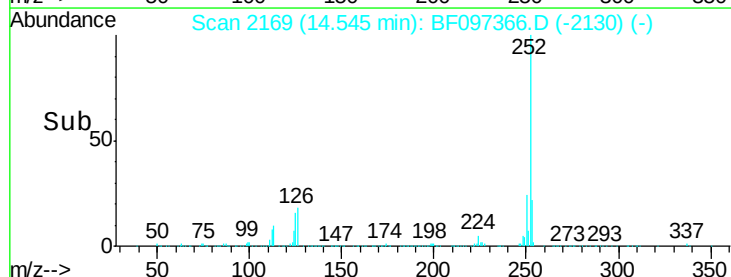
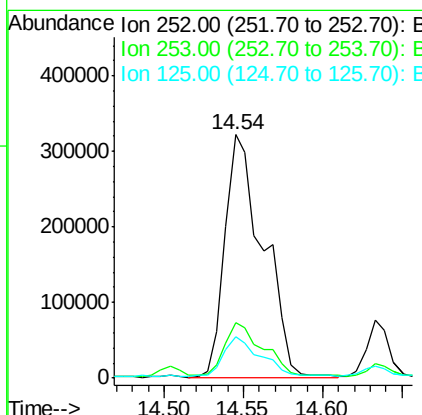
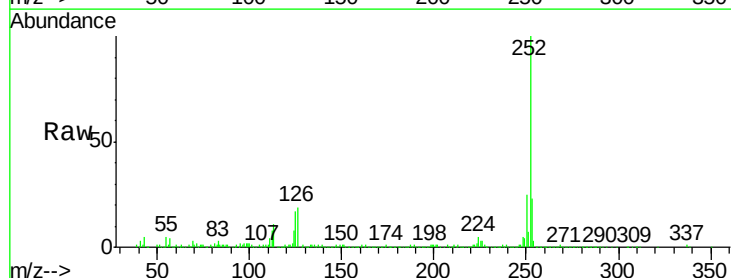
Instrument :
BNA_F
ClientSampleId :
OR-01-080217

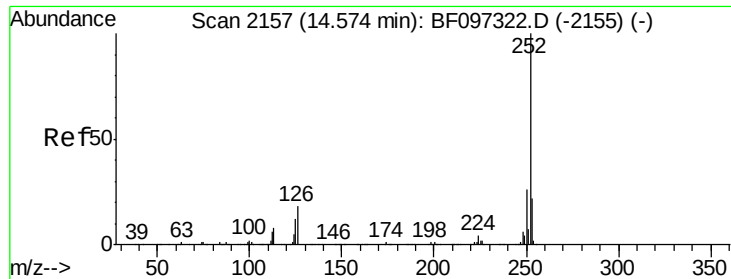
Tot	Ion:264	Resp:	176639
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.9	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 50.55 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt	Ion:252	Resp:	536754
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	16.9	9.8	14.8#

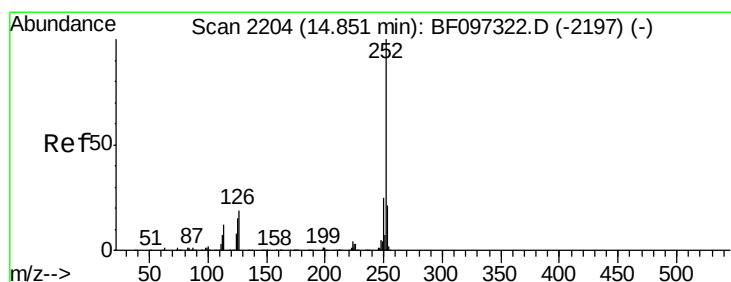
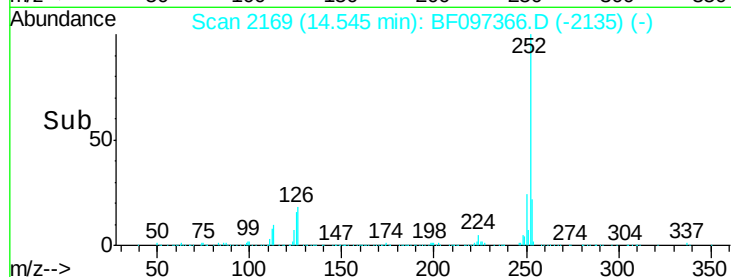
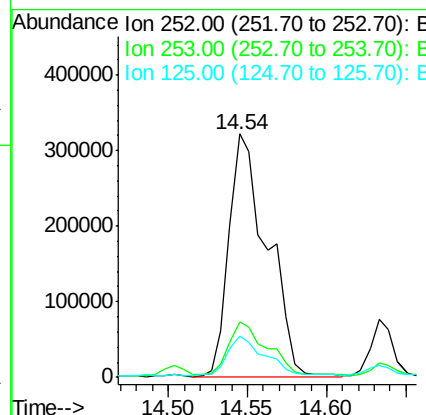
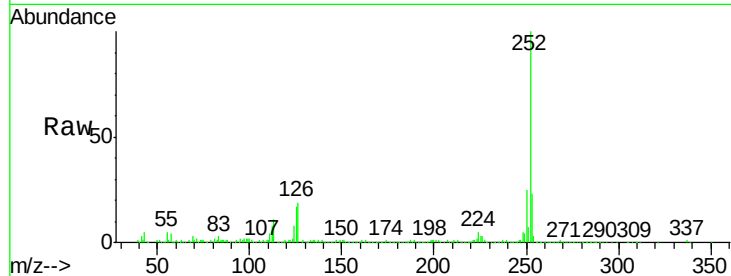




#88
Benzo(k)fluoranthene
Concen: 53.05 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.10 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

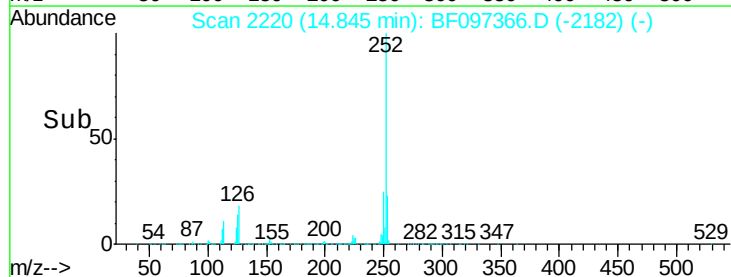
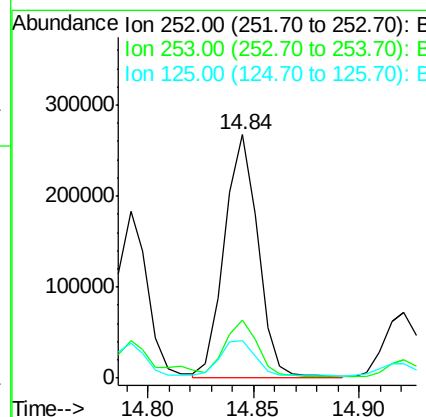
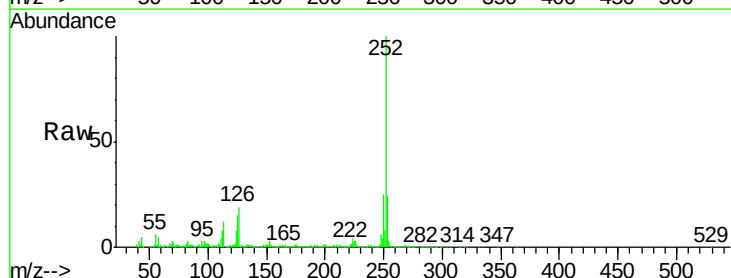
Instrument :
BNA_F
ClientSampleId :
OR-01-080217

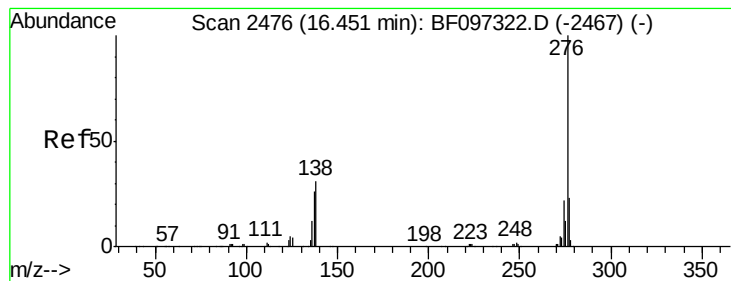
Tot Ion:252 Resp: 536754
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 16.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 30.10 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion:252 Resp: 292554
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 15.4 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 15.22 ng

RT: 16.44 min Scan# 2492

Delta R.T. -0.12 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

Tot Ion:276 Resp: 127232

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 31.7 25.4 38.0

