

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097414.D
 Acq On : 5 Aug 2017 23:07
 Operator : SJ/JU
 Sample : I4614-04 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 06 01:13:52 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	6.43	152	8351	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	28191	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	9875	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	18125	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	18072	20.00	ng	-0.08
86) Perylene-d12	14.89	264	11699	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	62045	112.00	ng	-0.06
7) Phenol-d6	6.11	99	66598	105.31	ng	-0.06
23) Nitrobenzene-d5	7.00	82	33486	69.68	ng	-0.08
41) 2,4,6-Tribromophenol	10.25	330	9313	119.36	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	59801	102.77	ng	-0.08
78) Terphenyl-d14	12.50	244	52174	58.86	ng	-0.08

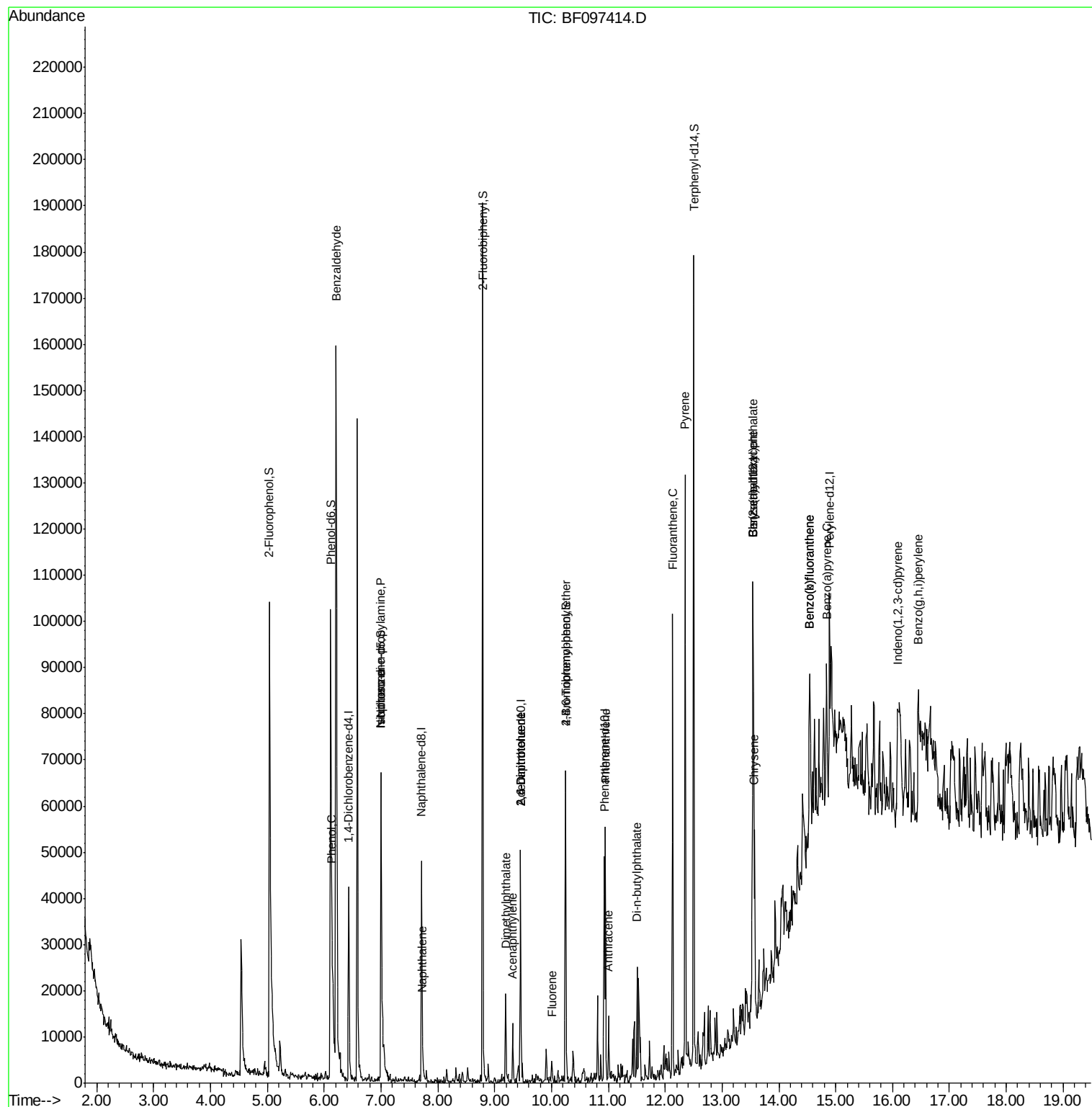
Target Compounds						Qvalue
9) Benzaldehyde	6.22	77	1009	2.70	ng	# 52
10) Phenol	6.14	94	1607	2.14	ng	# 49
19) n-Nitroso-di-n-propylamine	7.00	70	3929	9.44	ng	# 87
25) Isophorone	7.00	82	33485	35.58	ng	# 67
31) Naphthalene	7.73	128	2887	2.17	ng	# 79
48) Acenaphthylene	9.32	152	6900	7.24	ng	96
49) Dimethylphthalate	9.19	163	8998	12.00	ng	98
50) 2,6-Dinitrotoluene	9.45	165	1493	9.39	ng	# 31
56) 2,4-Dinitrotoluene	9.45	165	1493	8.17	ng	# 31
57) Fluorene	10.00	166	2252	4.01	ng	# 93
66) 4-Bromophenyl-phenylether	10.25	248	486	2.69	ng	# 1
70) Phenanthrene	10.95	178	24018	24.73	ng	99
71) Anthracene	11.00	178	7007	7.04	ng	97
73) Di-n-butylphthalate	11.50	149	10076	8.33	ng	99
74) Fluoranthene	12.13	202	38423	40.39	ng	98
77) Pyrene	12.35	202	48468	32.76	ng	99
80) Benzo(a)anthracene	13.54	228	17589	15.04	ng	# 87
82) Chrysene	13.57	228	16316	14.29	ng	# 92
83) Bis(2-ethylhexyl)phthalate	13.55	149	4202	4.28	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.09	276	6649	6.79	ng	# 87
87) Benzo(b)fluoranthene	14.54	252	19613	27.89	ng	# 96
88) Benzo(k)fluoranthene	14.54	252	19613	29.27	ng	99
89) Benzo(a)pyrene	14.84	252	10762	16.72	ng	# 83
91) Benzo(g,h,i)perylene	16.45	276	6592	11.91	ng	# 67

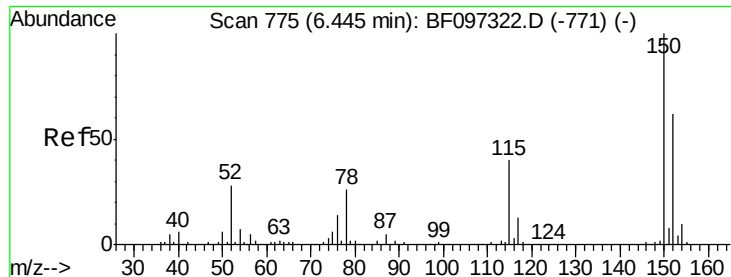
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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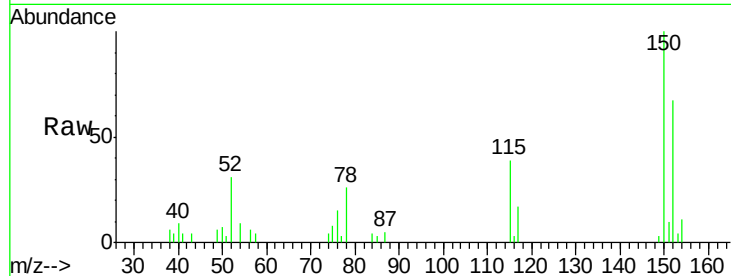


#1

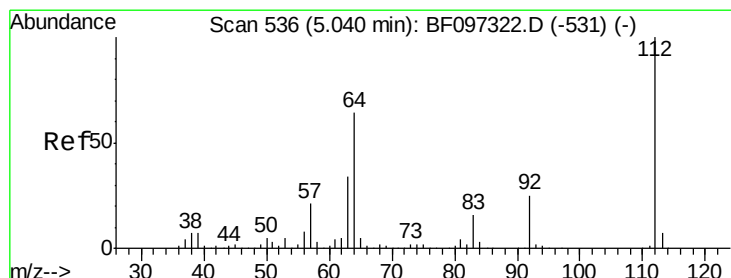
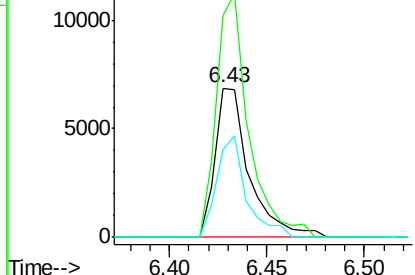
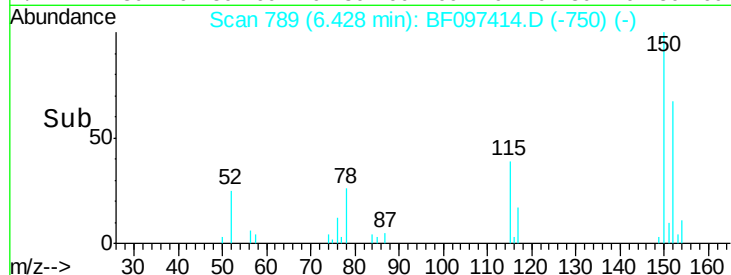
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 8351
Ion Ratio Lower Upper
152 100
150 148.4 126.2 189.2
115 58.2 52.2 78.2



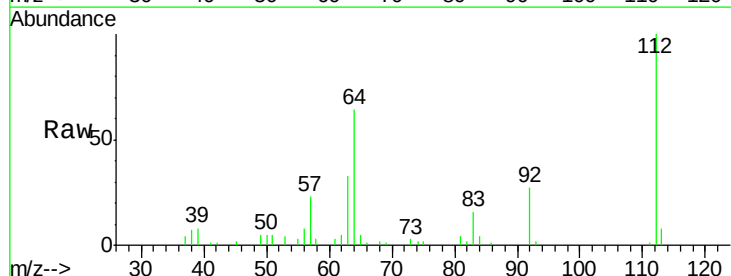
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



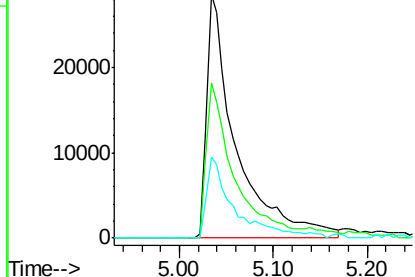
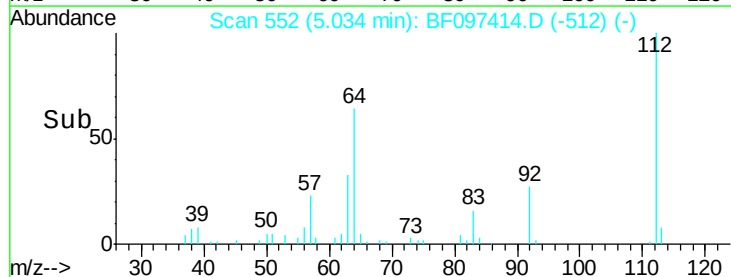
#5

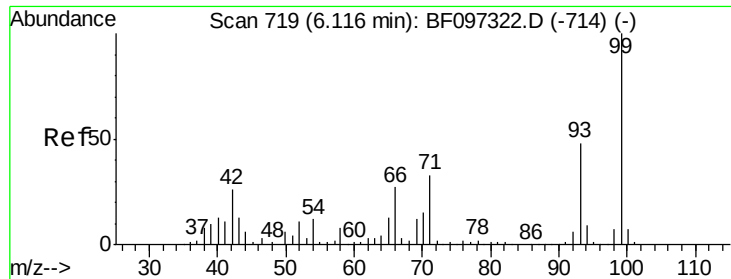
2-Fluorophenol
Concen: 112.00 ng
RT: 5.03 min Scan# 552
Delta R.T. -0.06 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

Tgt Ion:112 Resp: 62045
Ion Ratio Lower Upper
112 100
64 63.8 46.0 69.0
63 33.4 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: 105.31 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampled :

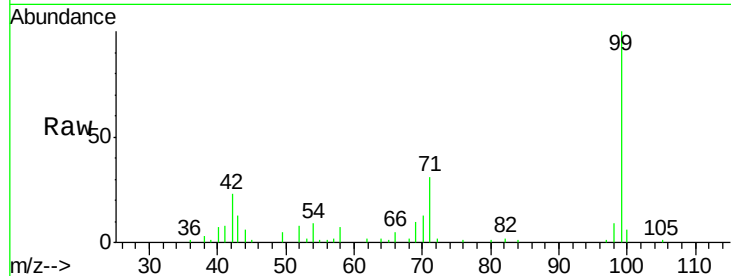
Tot Ion: 99 Resp: 66598

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

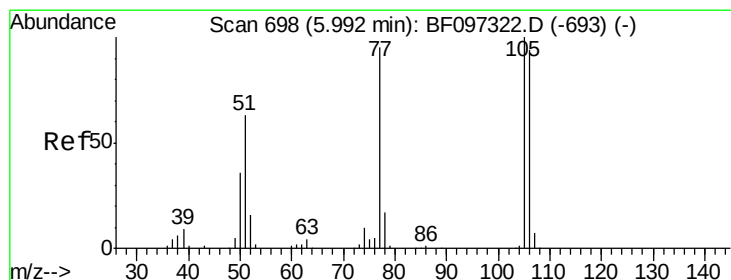
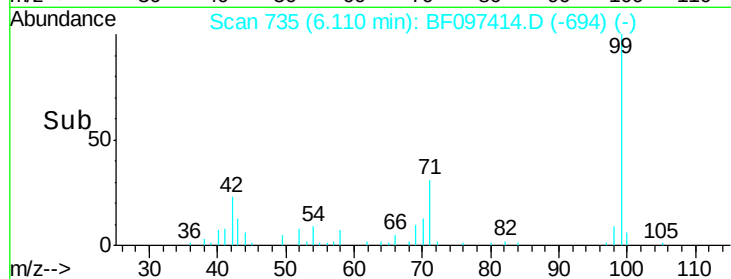
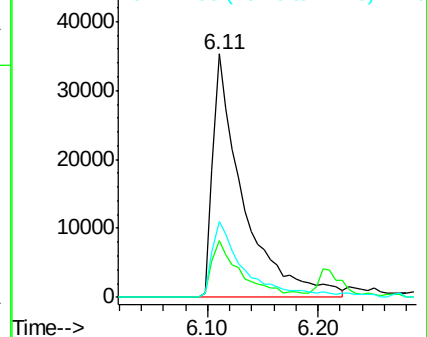
71 31.1 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.70 ng

RT: 6.22 min Scan# 753

Delta R.T. 0.17 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

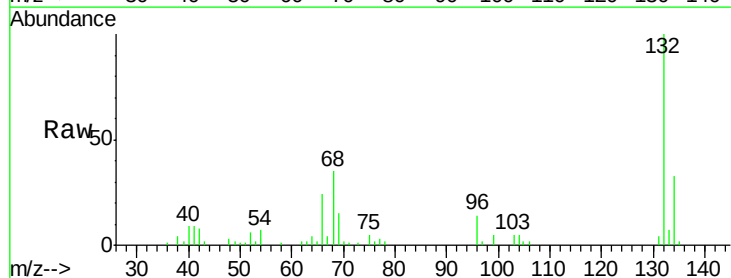
Tgt Ion: 77 Resp: 1009

Ion Ratio Lower Upper

77 100

105 58.4 83.8 123.8#

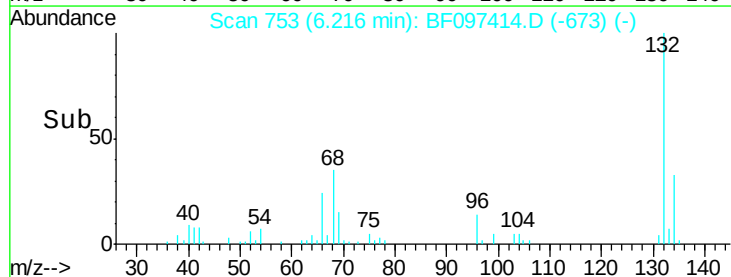
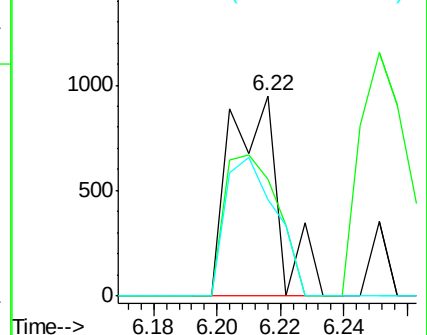
106 48.0 79.1 119.1#

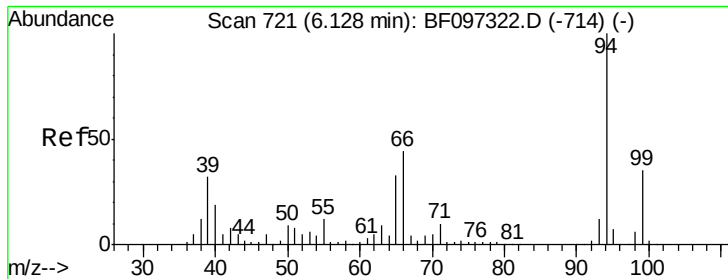


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.14 ng

RT: 6.14 min Scan# 740

Delta R.T. -0.04 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampled :

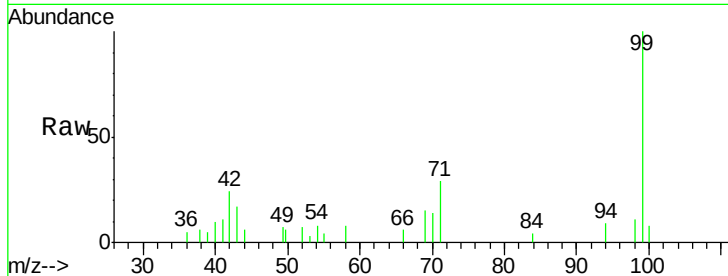
Tot Ion: 94 Resp: 1607

Ion Ratio Lower Upper

94 100

65 0.0 9.9 49.9#

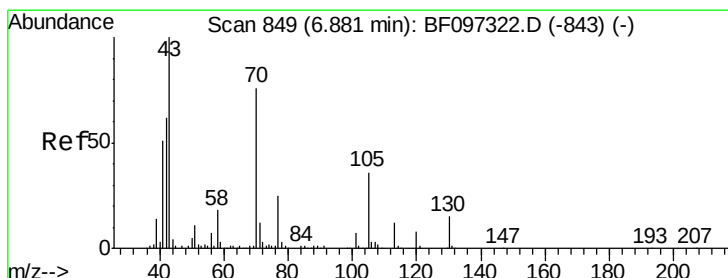
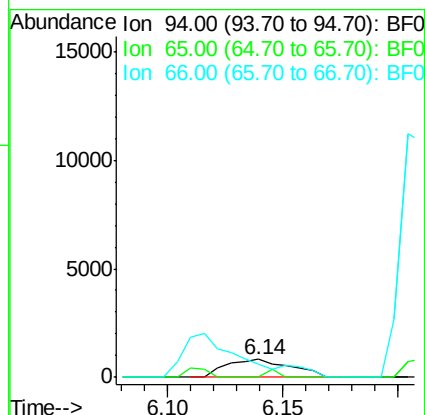
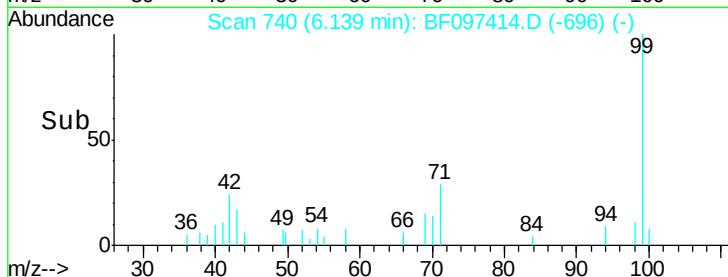
66 74.0 23.1 63.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.44 ng

RT: 7.00 min Scan# 886

Delta R.T. 0.06 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Tgt Ion: 70 Resp: 3929

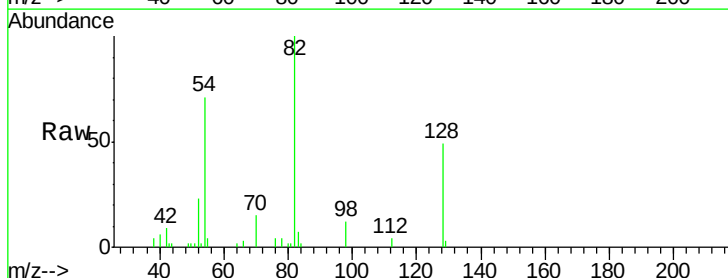
Ion Ratio Lower Upper

70 100

42 60.2 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

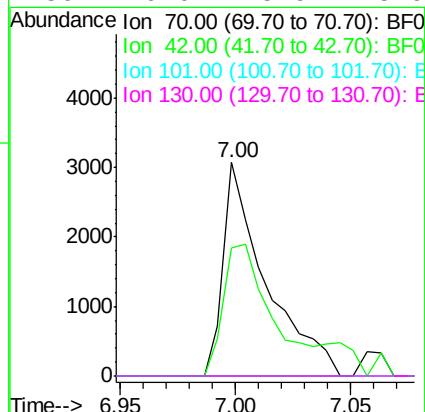
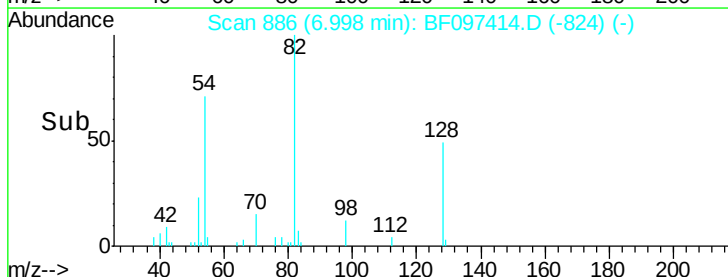


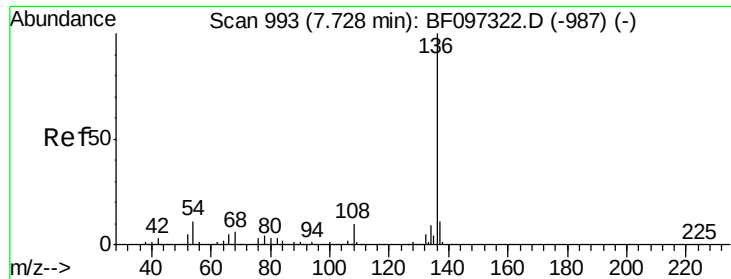
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.71 min Scan# 1007

Delta R.T. -0.08 min

Lab File: BF097414.D

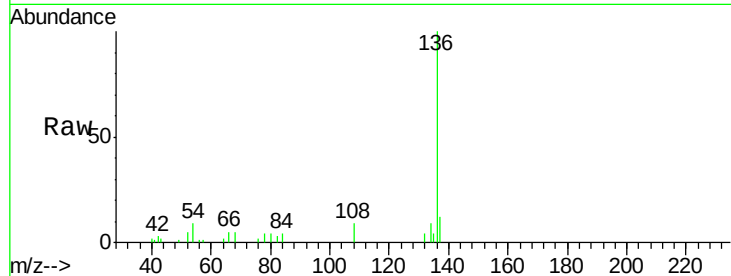
Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	28191
Ion Ratio	Lower	Upper
136	100	
137	11.7	8.5 12.7
54	9.4	4.9 7.3#
68	4.9	4.1 6.1

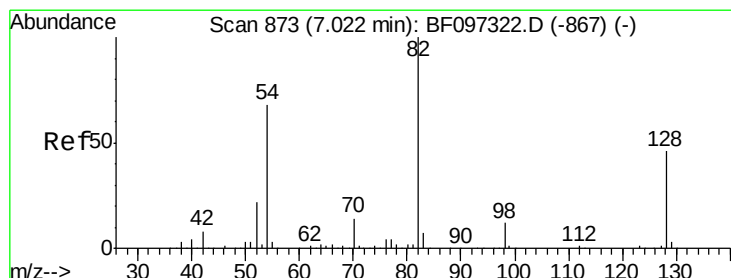
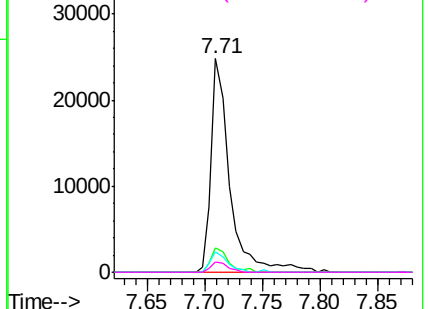
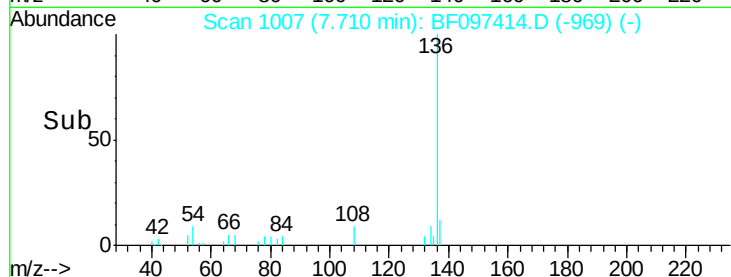


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.68 ng

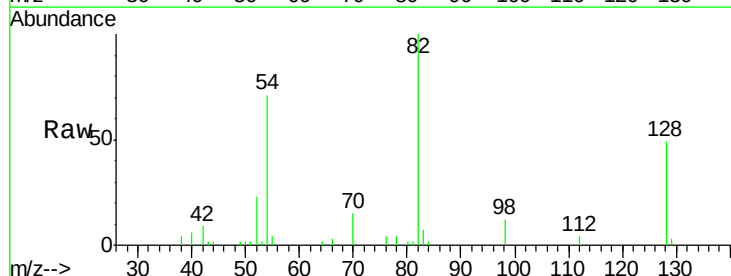
RT: 7.00 min Scan# 886

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

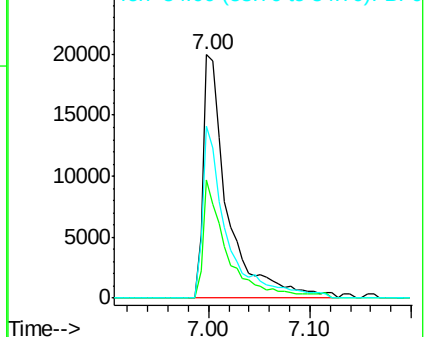
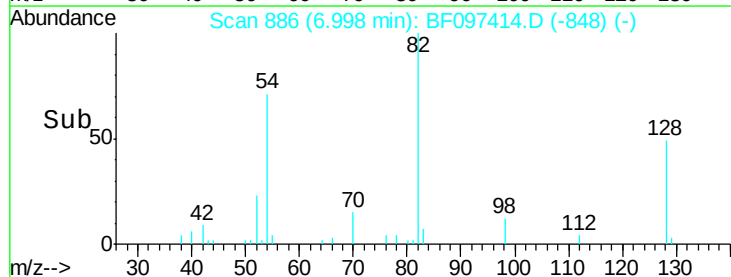
Tgt Ion: 82	Resp:	33486
Ion Ratio	Lower	Upper
82	100	
128	48.5	34.0 51.0
54	70.9	42.2 63.2#

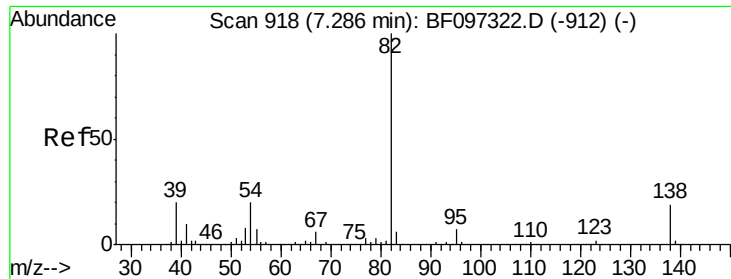


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.58 ng

RT: 7.00 min Scan# 886

Delta R.T. -0.34 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

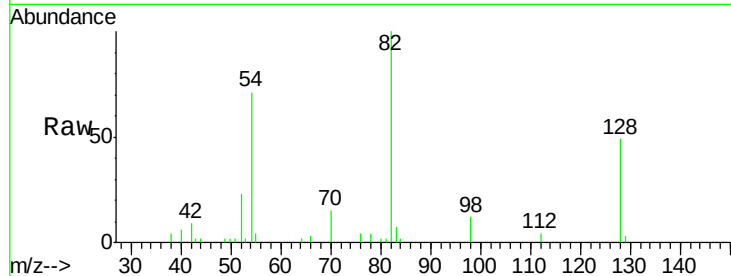
Tot Ion: 82 Resp: 33485

Ion Ratio Lower Upper

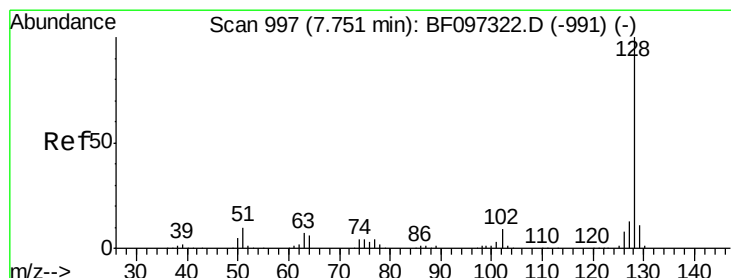
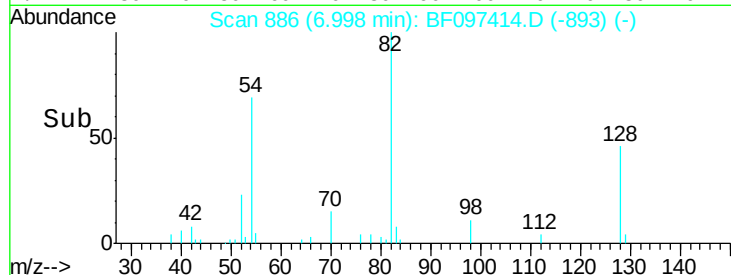
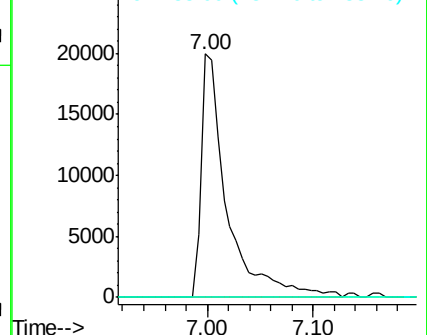
82 100

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): BF0



#31

Naphthalene

Concen: 2.17 ng

RT: 7.73 min Scan# 1011

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

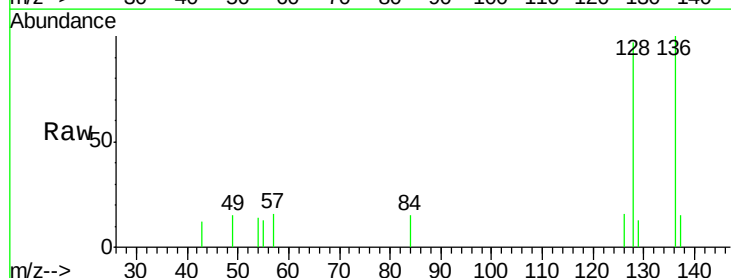
Tgt Ion: 128 Resp: 2887

Ion Ratio Lower Upper

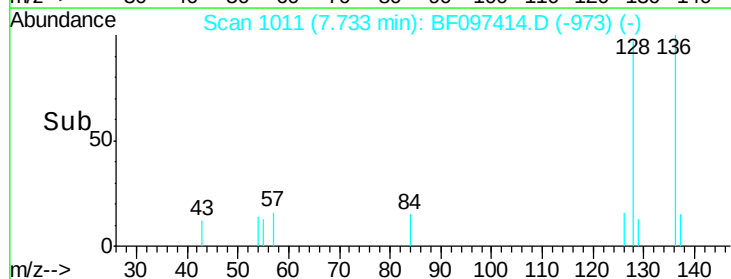
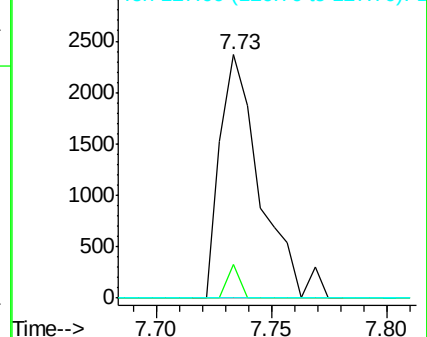
128 100

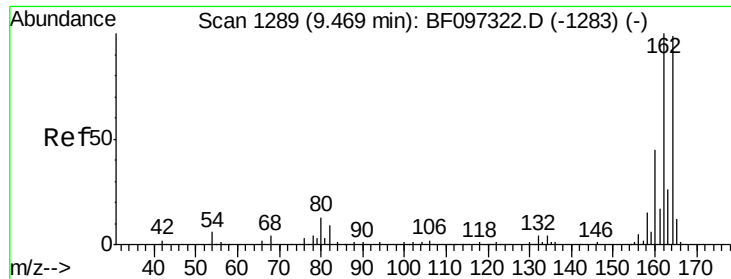
129 13.7 9.0 13.6#

127 0.0 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

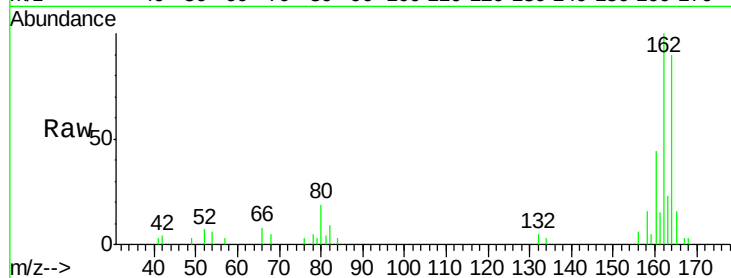




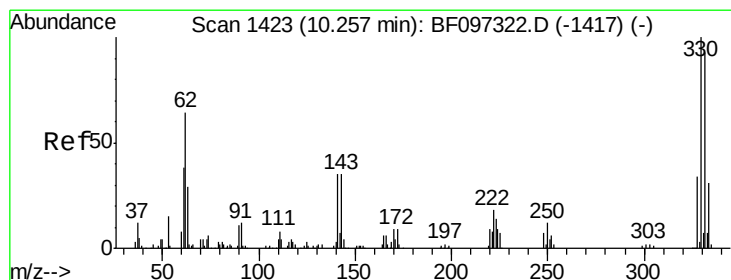
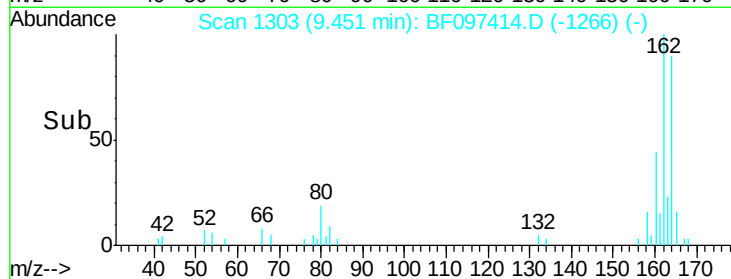
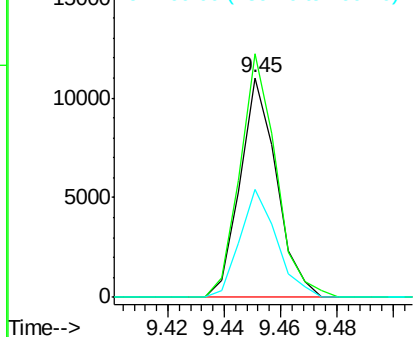
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.45 min Scan# 1303
Delta R.T. -0.08 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 9875
Ion Ratio Lower Upper
164 100
162 110.9 82.6 123.8
160 49.2 36.2 54.2

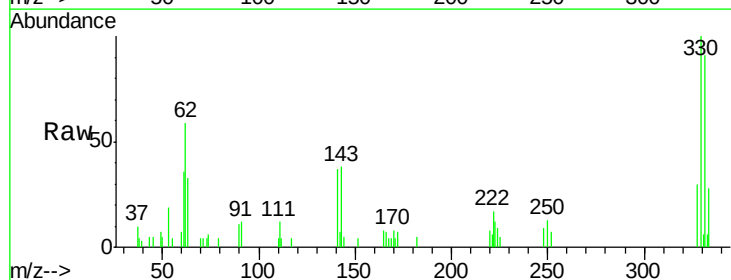


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

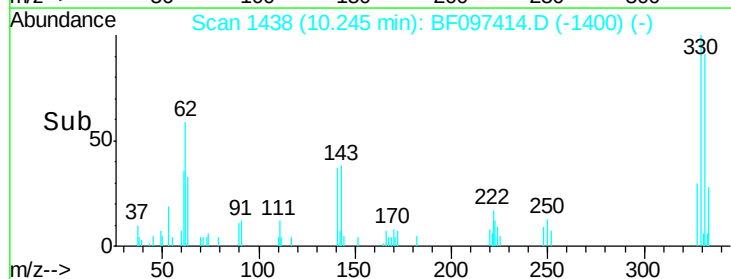
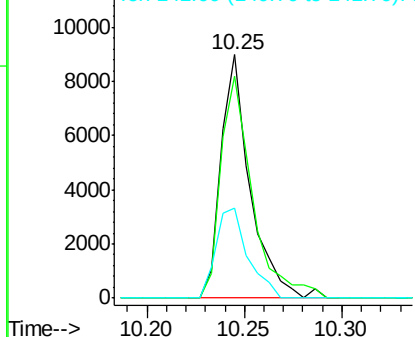


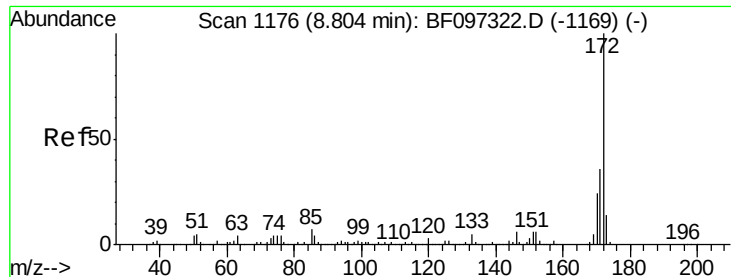
#41
2,4,6-Tribromophenol
Concen: 119.36 ng
RT: 10.25 min Scan# 1438
Delta R.T. -0.08 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

Tgt Ion:330 Resp: 9313
Ion Ratio Lower Upper
330 100
332 98.9 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

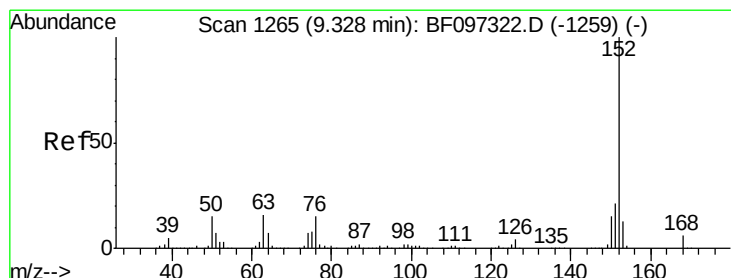
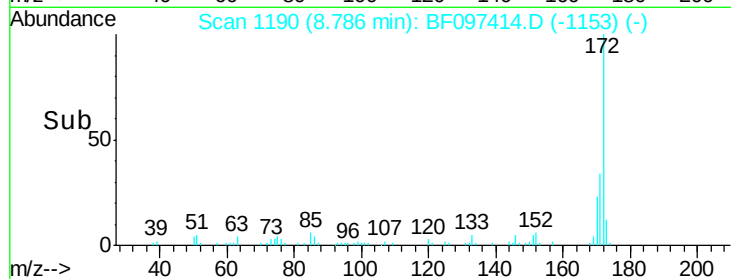
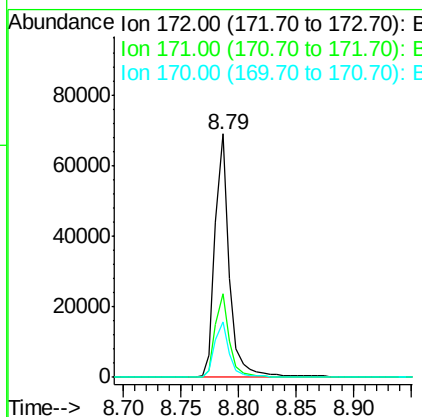
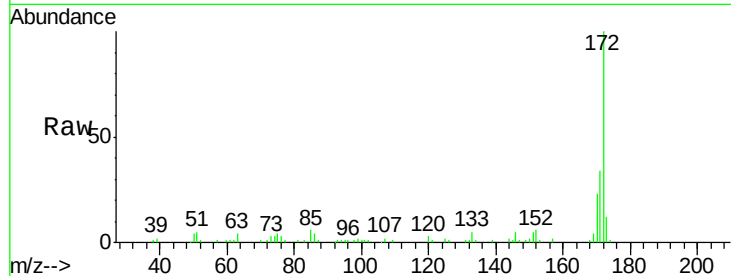




#44
2-Fluorobiphenyl
Concen: 102.77 ng
RT: 8.79 min Scan# 1190
Delta R.T. -0.08 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

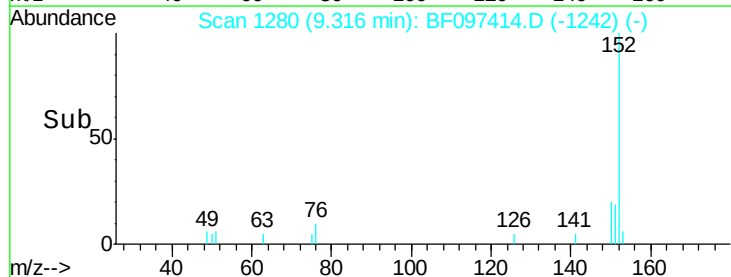
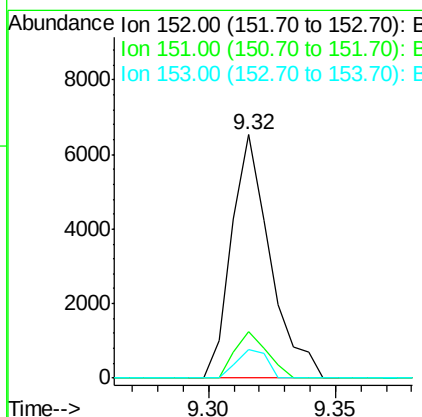
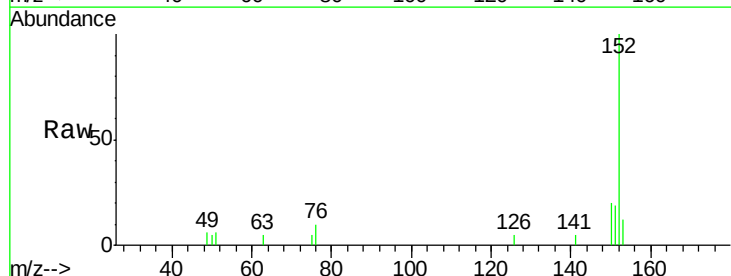
Instrument :
BNA_F
ClientSampleId :

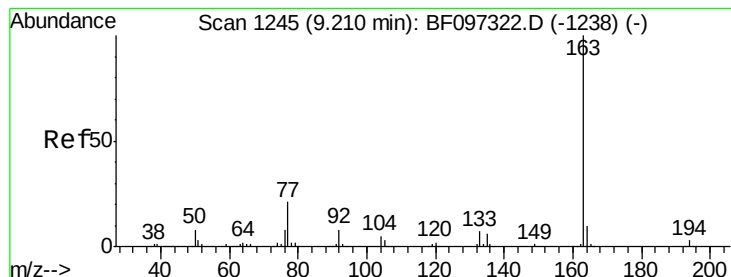
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	22.8	19.8	29.8



#48
Acenaphthylene
Concen: 7.24 ng
RT: 9.32 min Scan# 1280
Delta R.T. -0.08 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.8	25.2
153	11.6	10.8	16.2





#49

Dimethylphthalate

Concen: 12.00 ng

RT: 9.19 min Scan# 1259

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

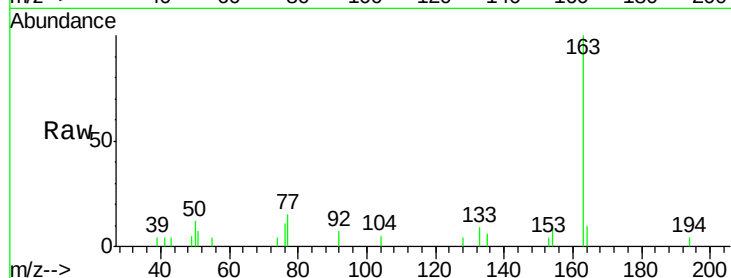
Tot Ion:163 Resp: 8998

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

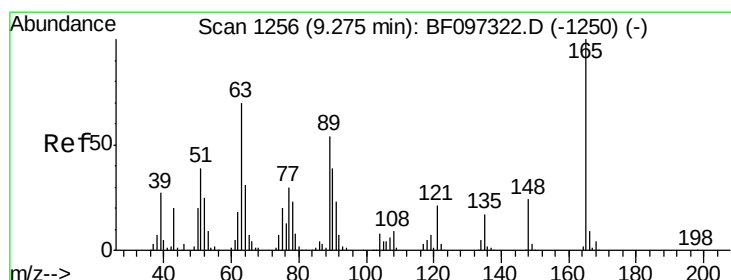
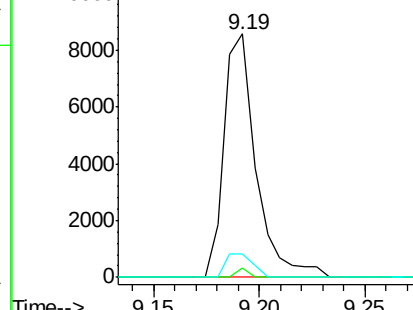
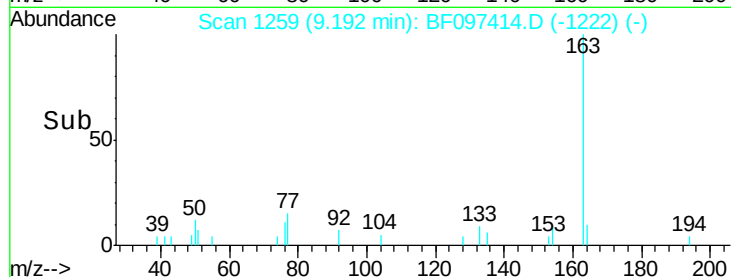
164 9.6 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 9.39 ng

RT: 9.45 min Scan# 1303

Delta R.T. 0.12 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

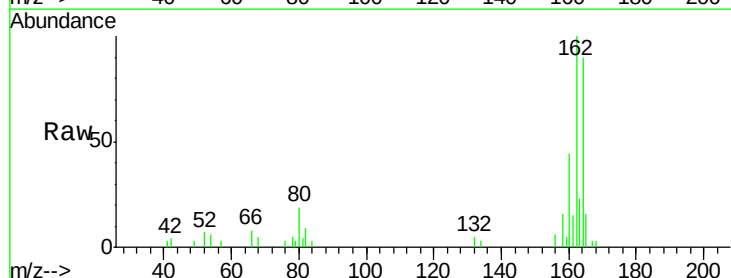
Tgt Ion:165 Resp: 1493

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

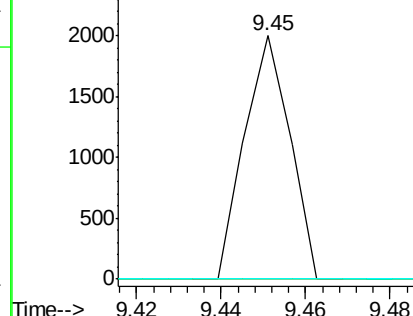
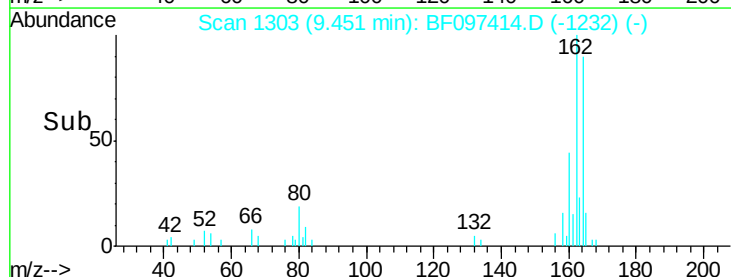
89 0.0 37.1 55.7#

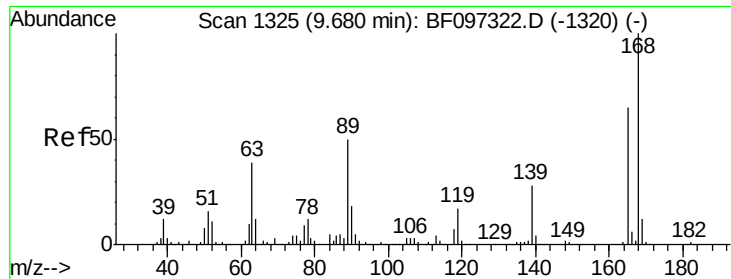


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

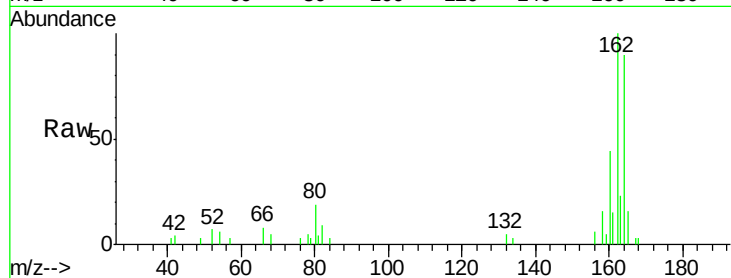




#56
 2,4-Dinitrotoluene
 Concen: 8.17 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.28 min
 Lab File: BF097414.D
 Acq: 5 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	1493
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

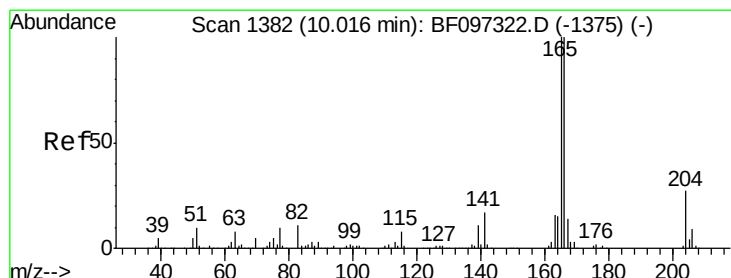
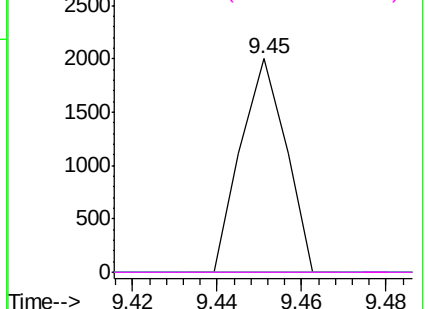
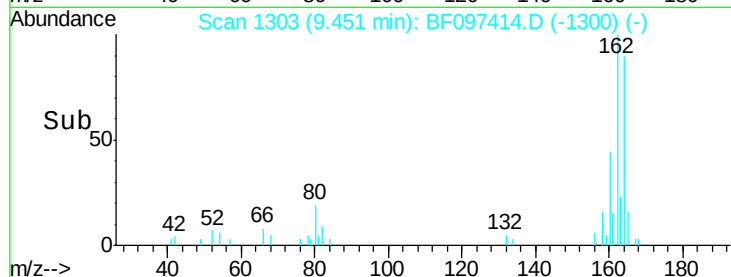


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

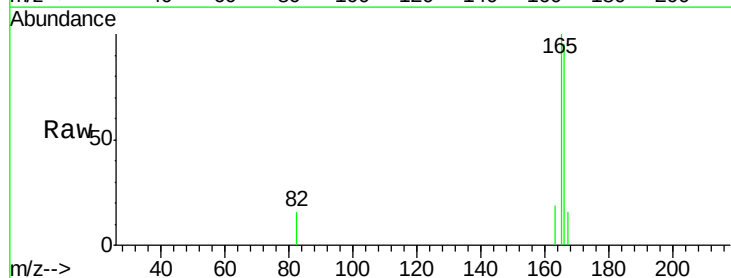
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 4.01 ng
 RT: 10.00 min Scan# 1397
 Delta R.T. -0.08 min
 Lab File: BF097414.D
 Acq: 5 Aug 2017 23:07

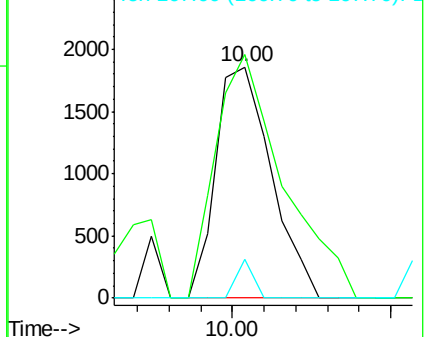
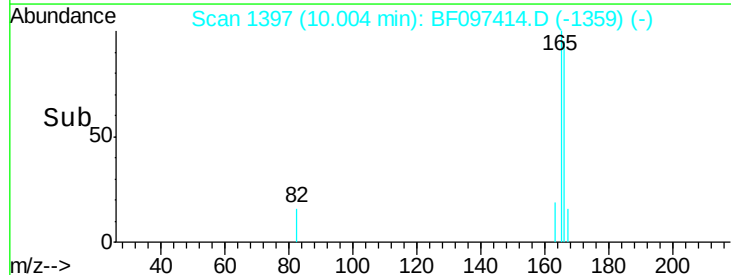
Tgt Ion:	166	Resp:	2252
Ion	Ratio	Lower	Upper
166	100		
165	105.4	78.8	118.2
167	16.8	10.6	16.0#

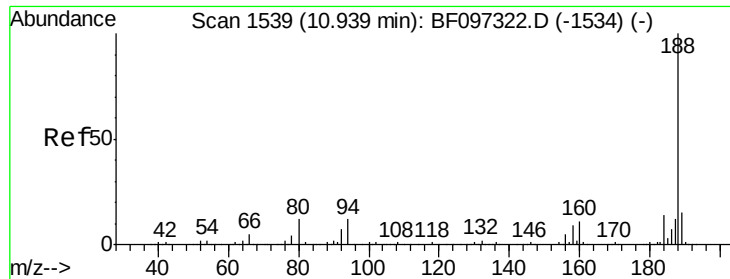


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

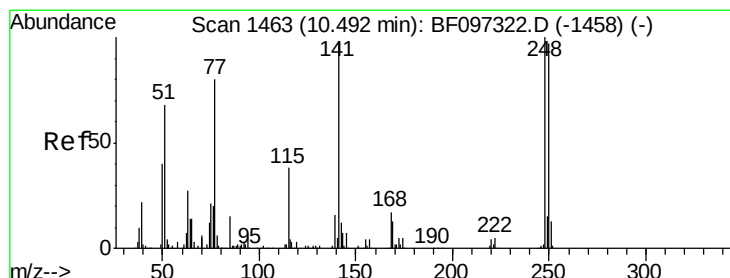
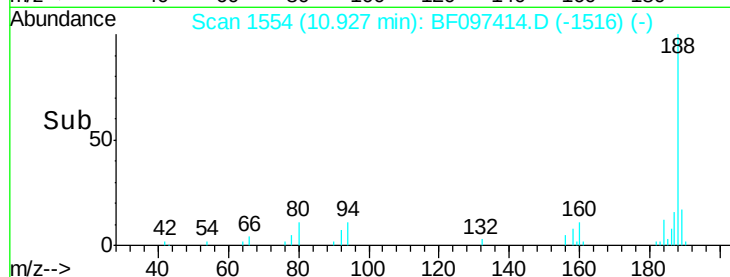
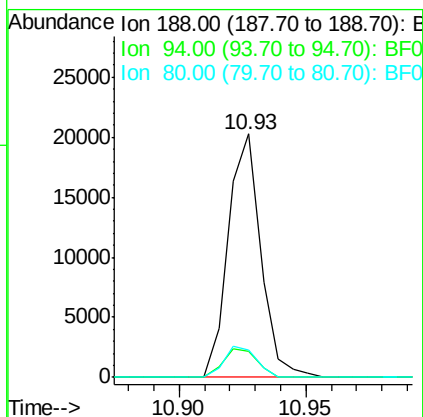
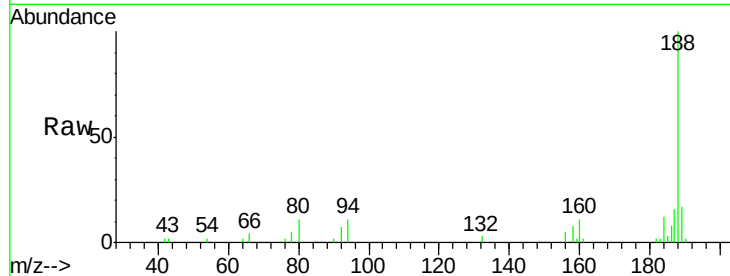




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.08 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

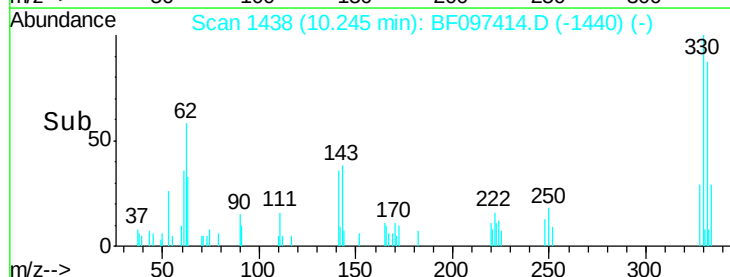
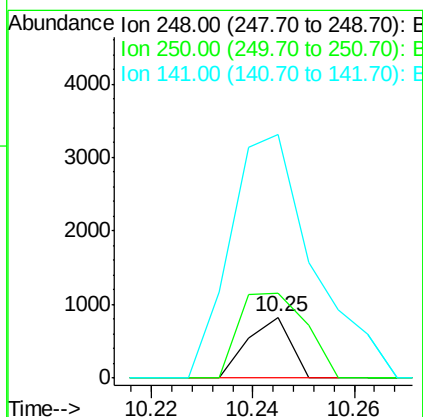
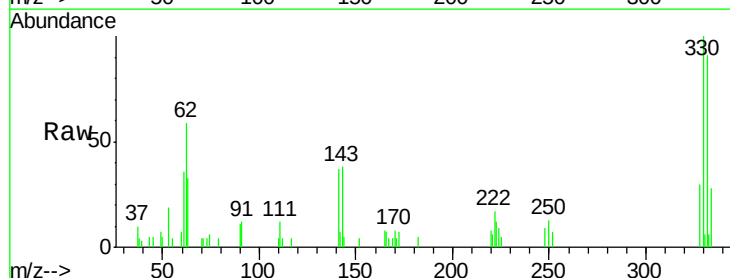
Instrument :
BNA_F
ClientSampleId :

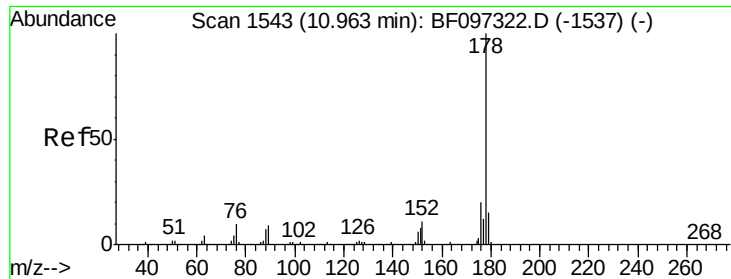
Tot Ion:188 Resp: 18125
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.1 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 2.69 ng
RT: 10.25 min Scan# 1438
Delta R.T. -0.31 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

Tgt Ion:248 Resp: 486
Ion Ratio Lower Upper
248 100
250 140.5 76.8 115.2#
141 401.8 68.6 103.0#





#70

Phenanthrene

Concen: 24.73 ng

RT: 10.95 min Scan# 1558

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

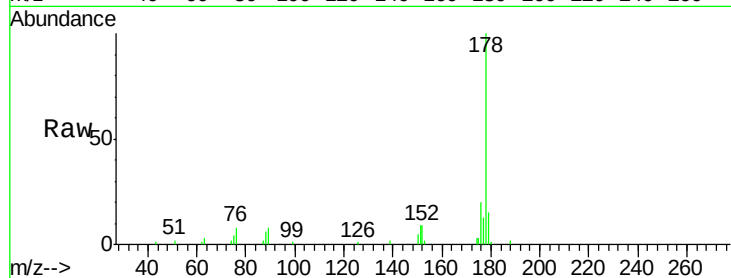
Tot Ion:178 Resp: 24018

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

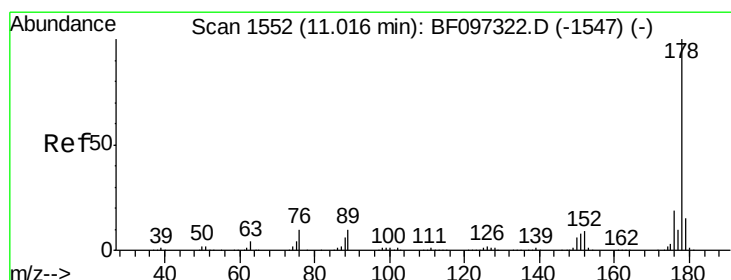
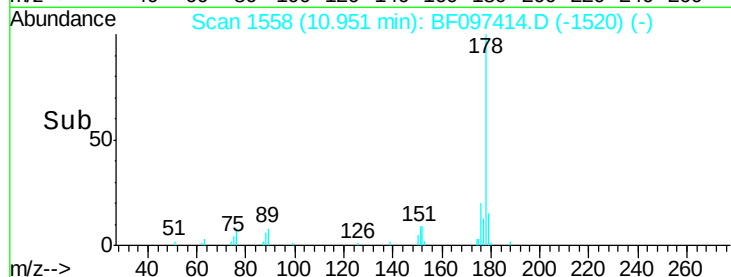
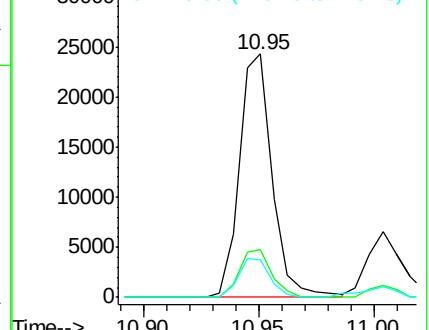
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 7.04 ng

RT: 11.00 min Scan# 1567

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

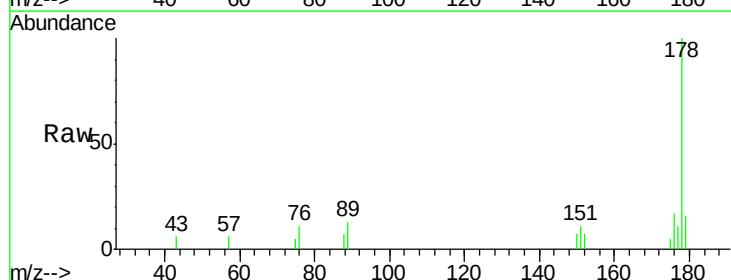
Tgt Ion:178 Resp: 7007

Ion Ratio Lower Upper

178 100

176 17.3 15.8 23.8

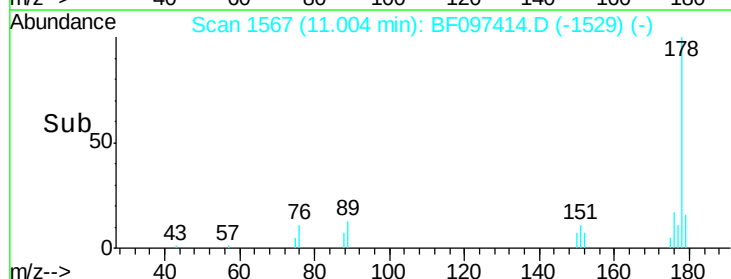
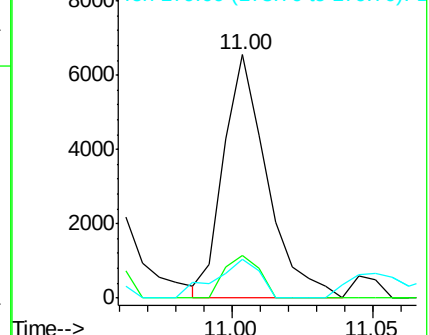
179 16.1 12.7 19.1

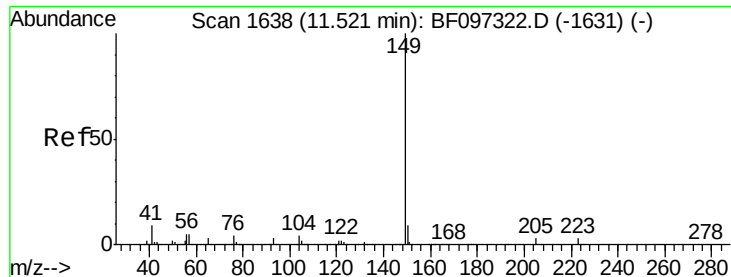


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 8.33 ng

RT: 11.50 min Scan# 1652

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

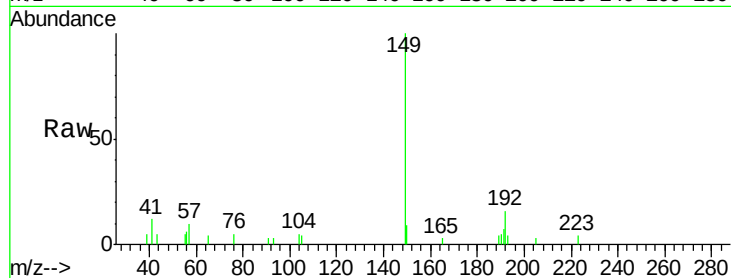
Tot Ion:149 Resp: 10076

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

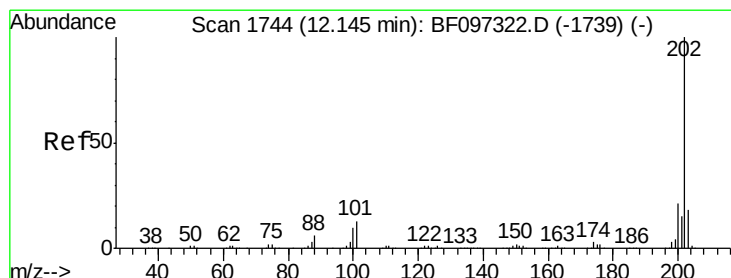
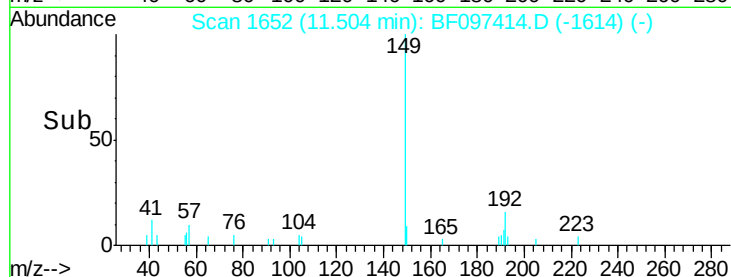
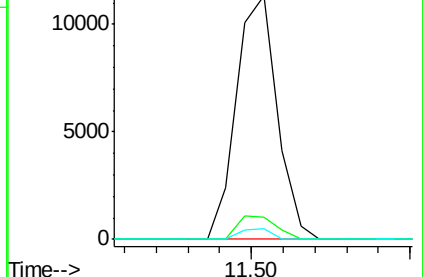
104 4.6 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.39 ng

RT: 12.13 min Scan# 1758

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

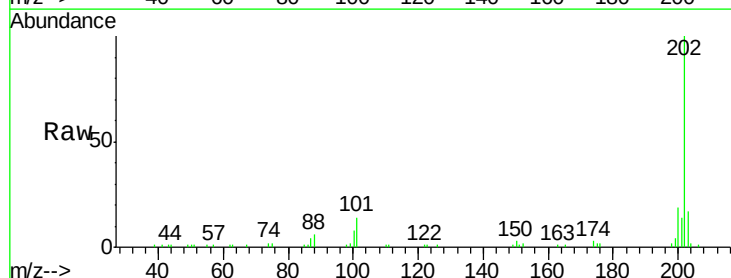
Tgt Ion:202 Resp: 38423

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

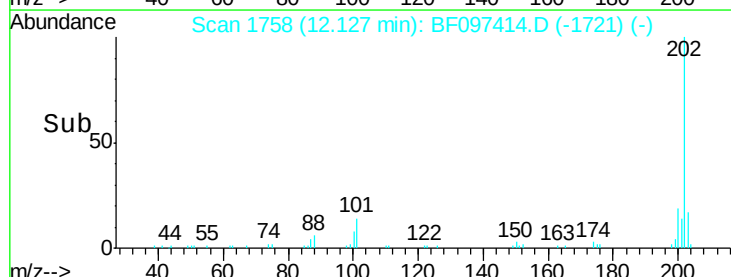
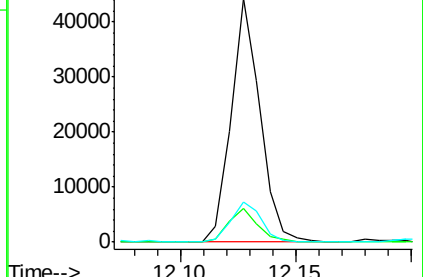
203 16.6 0.0 38.1

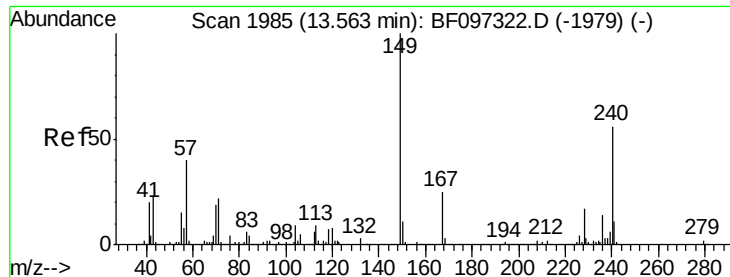


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.54 min Scan# 1999

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampled :

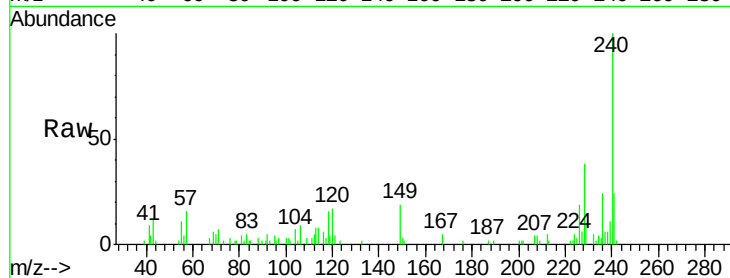
Tot Ion:240 Resp: 18072

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

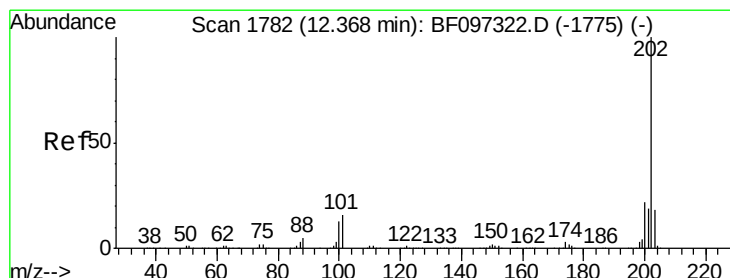
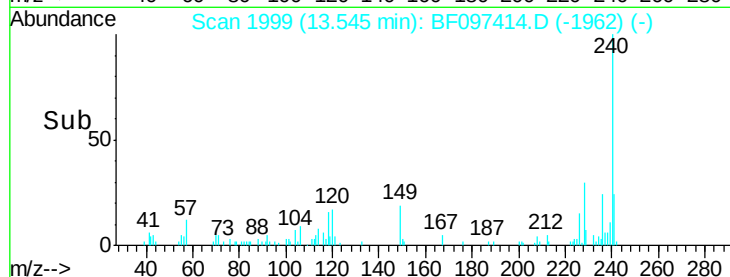
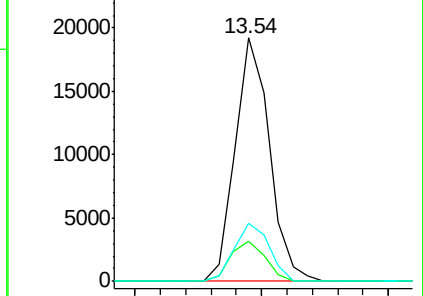
236 24.0 20.5 30.7



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: 32.76 ng

RT: 12.35 min Scan# 1796

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

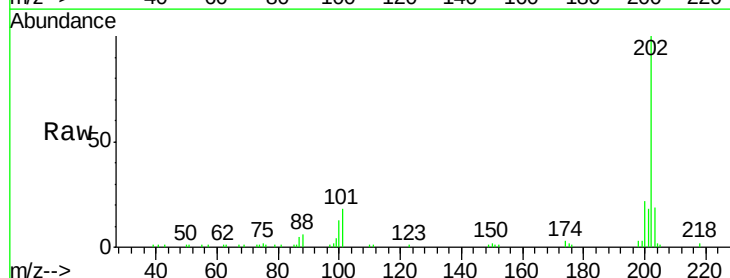
Tgt Ion:202 Resp: 48468

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

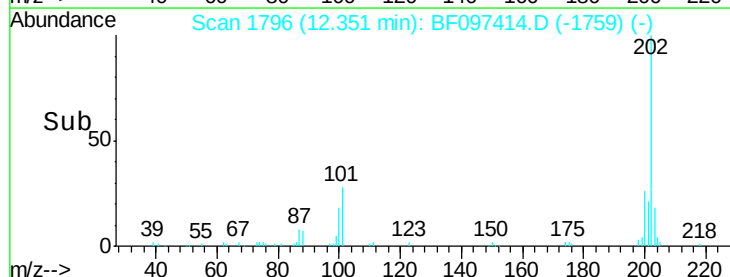
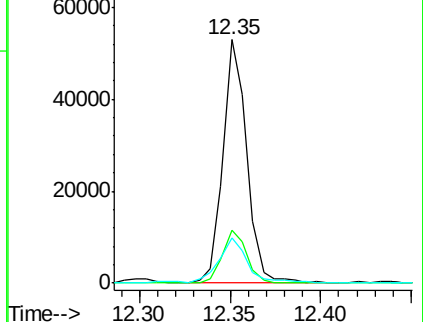
203 18.8 14.4 21.6

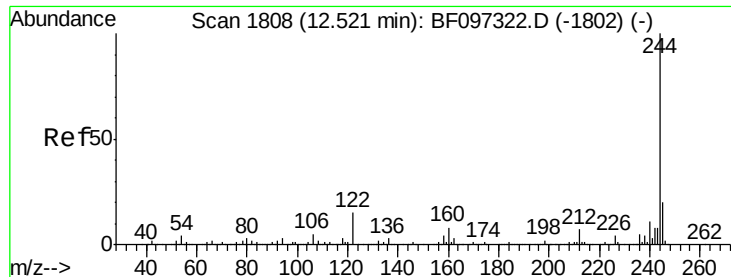


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

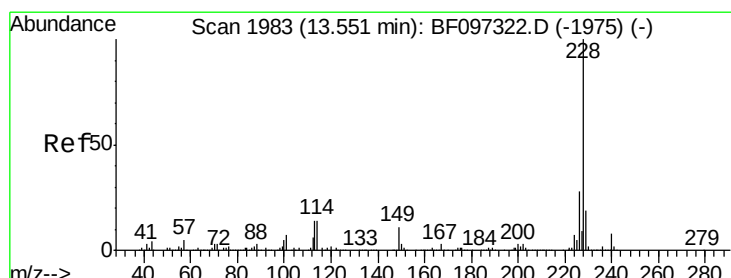
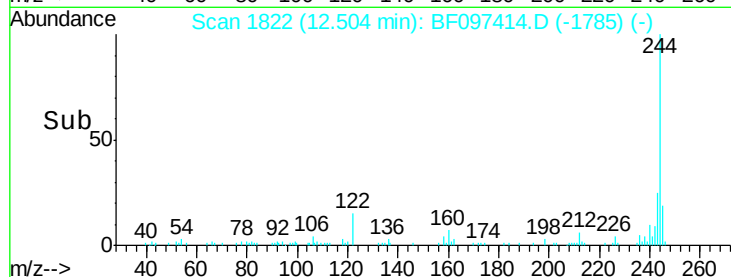
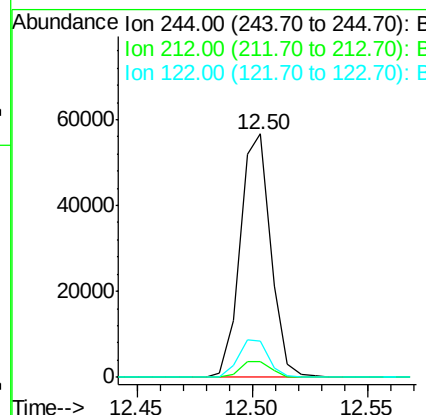
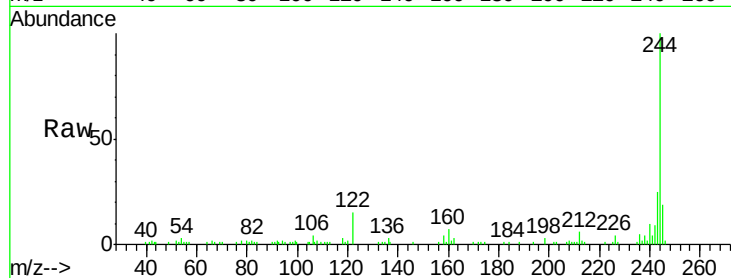




#78
 Terphenyl-d14
 Concen: 58.86 ng
 RT: 12.50 min Scan# 1822
 Delta R.T. -0.08 min
 Lab File: BF097414.D
 Acq: 5 Aug 2017 23:07

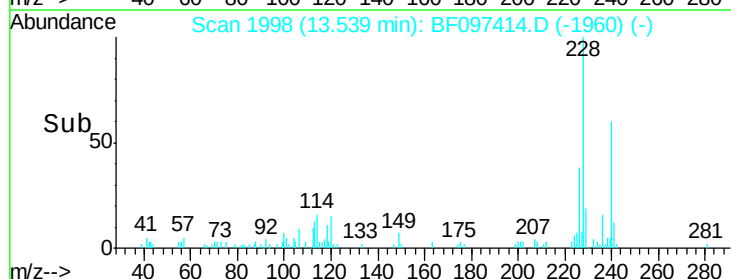
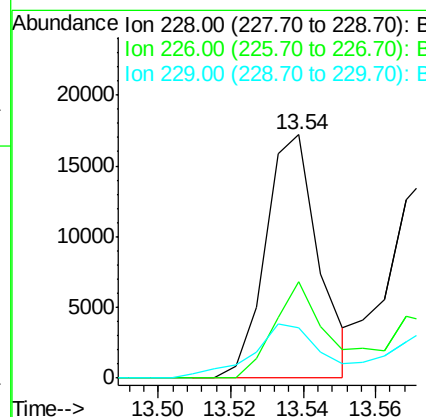
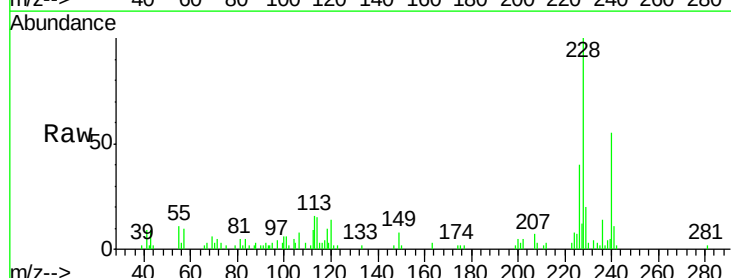
Instrument :
 BNA_F
 ClientSampleId :

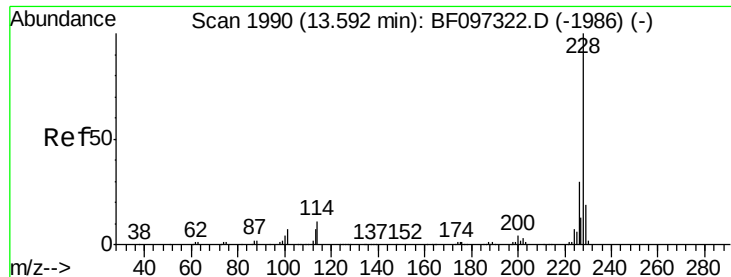
Tot Ion:244 Resp: 52174
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.0 9.0
 122 14.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 15.04 ng
 RT: 13.54 min Scan# 1998
 Delta R.T. -0.08 min
 Lab File: BF097414.D
 Acq: 5 Aug 2017 23:07

Tgt Ion:228 Resp: 17589
 Ion Ratio Lower Upper
 228 100
 226 39.8 22.6 33.8#
 229 20.5 16.3 24.5





#82

Chrysene

Concen: 14.29 ng

RT: 13.57 min Scan# 2004

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

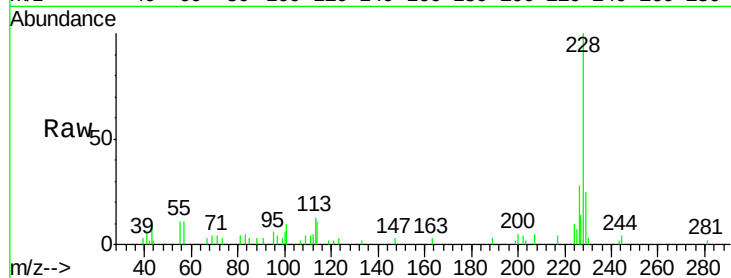
Tot Ion:228 Resp: 16316

Ion Ratio Lower Upper

228 100

226 28.4 24.9 37.3

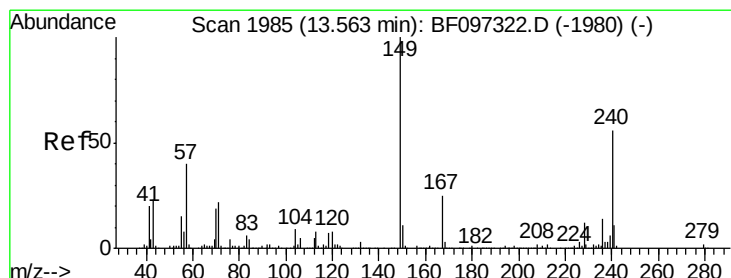
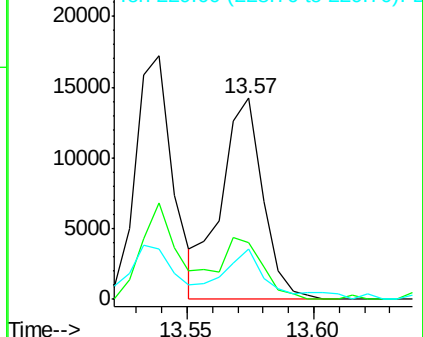
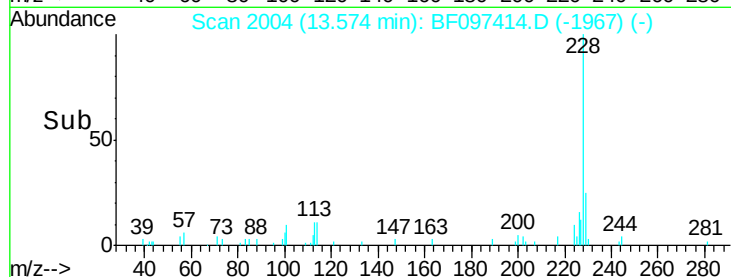
229 25.0 15.8 23.6#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.28 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

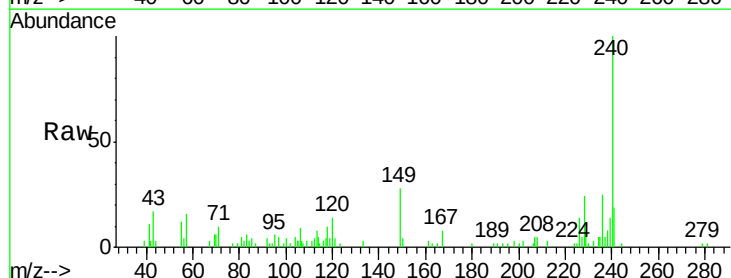
Tgt Ion:149 Resp: 4202

Ion Ratio Lower Upper

149 100

167 29.0 21.0 31.4

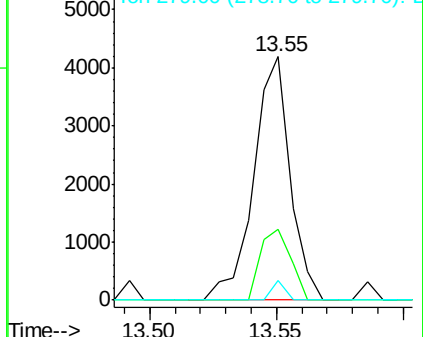
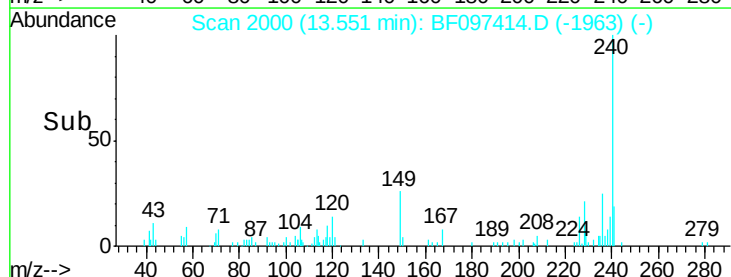
279 7.9 1.9 2.9#

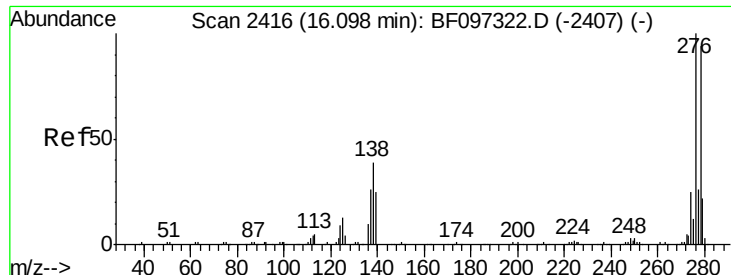


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

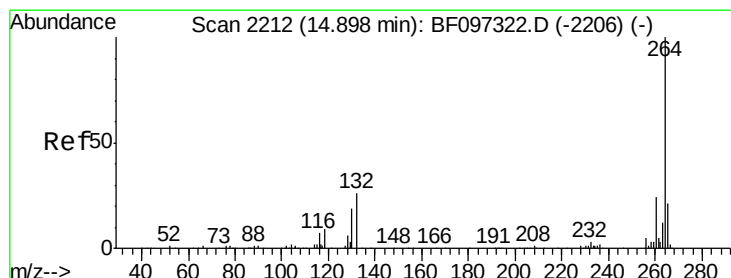
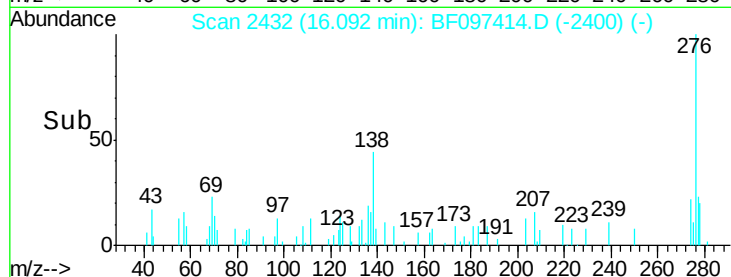
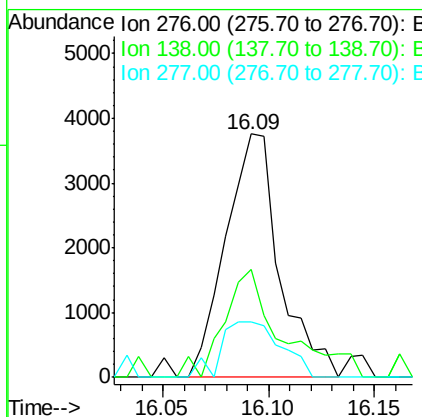
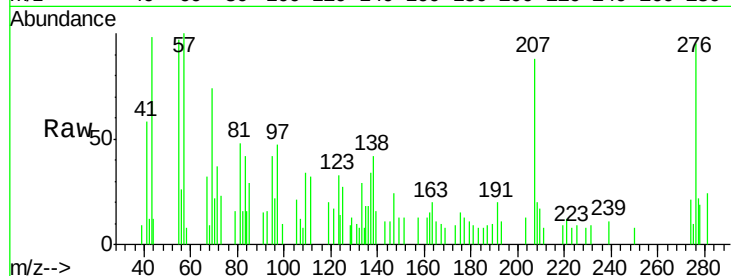




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.79 ng
RT: 16.09 min Scan# 2432
Delta R.T. -0.11 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

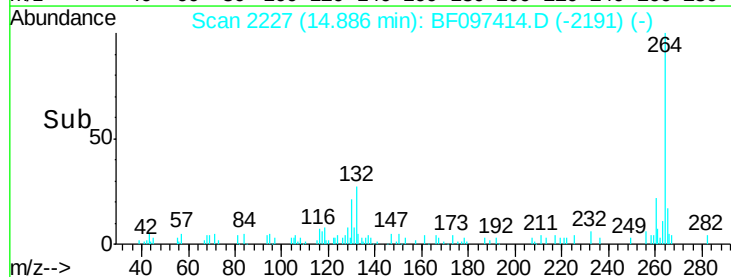
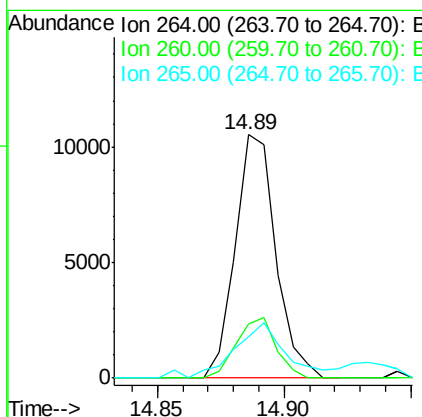
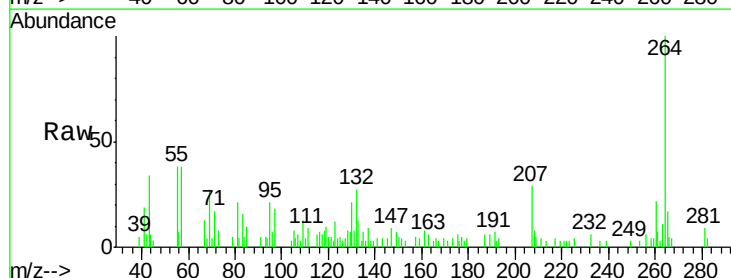
Instrument :
BNA_F
ClientSampled :

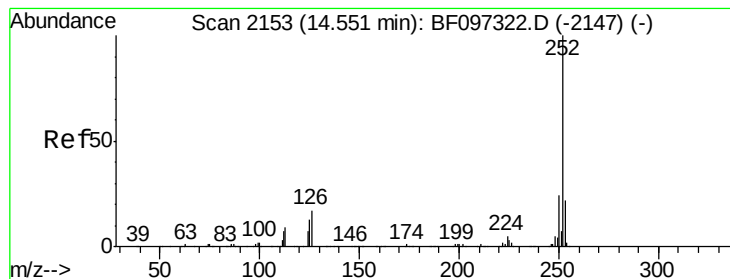
Tot Ion:276 Resp: 6649
Ion Ratio Lower Upper
276 100
138 47.8 27.8 41.6#
277 25.4 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097414.D
Acq: 5 Aug 2017 23:07

Tgt Ion:264 Resp: 11699
Ion Ratio Lower Upper
264 100
260 22.1 19.5 29.3
265 17.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 27.89 ng

RT: 14.54 min Scan# 2168

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

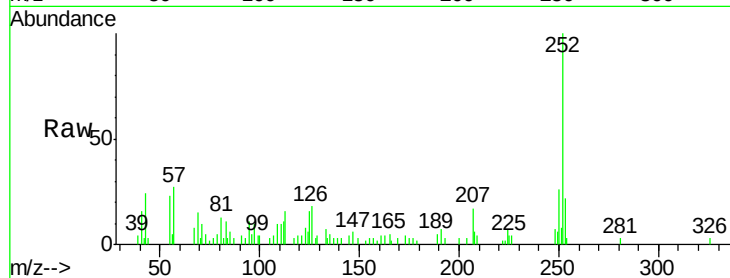
Tot Ion:252 Resp: 19613

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

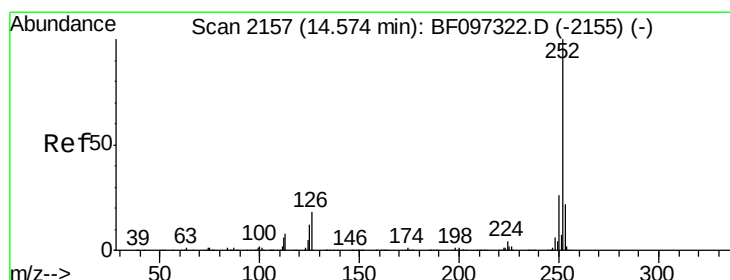
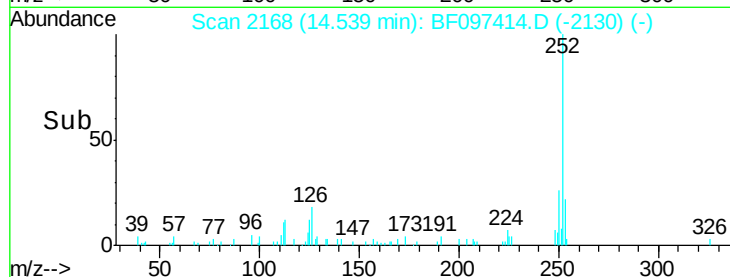
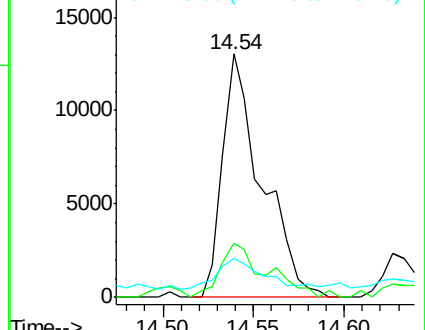
125 15.9 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 29.27 ng

RT: 14.54 min Scan# 2168

Delta R.T. -0.11 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

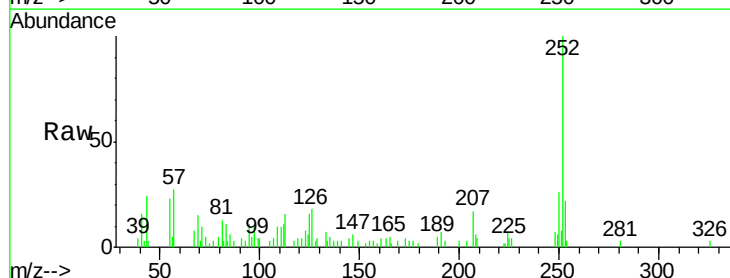
Tgt Ion:252 Resp: 19613

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

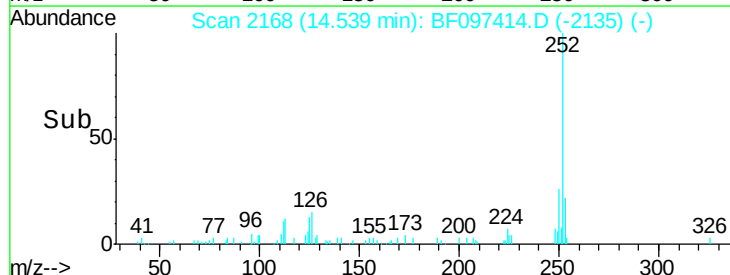
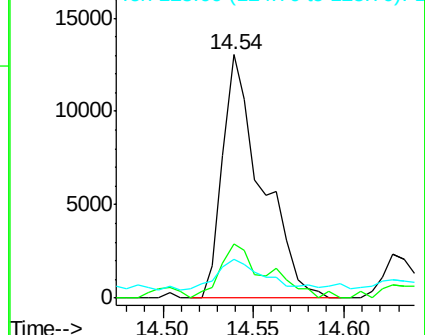
125 15.9 13.1 19.7

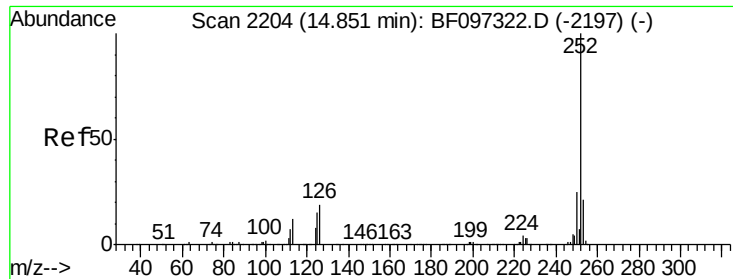


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 16.72 ng

RT: 14.84 min Scan# 2219

Delta R.T. -0.08 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

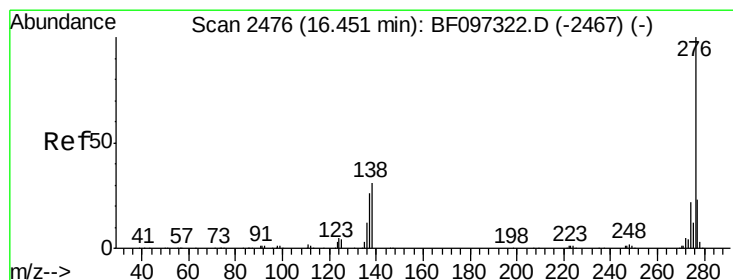
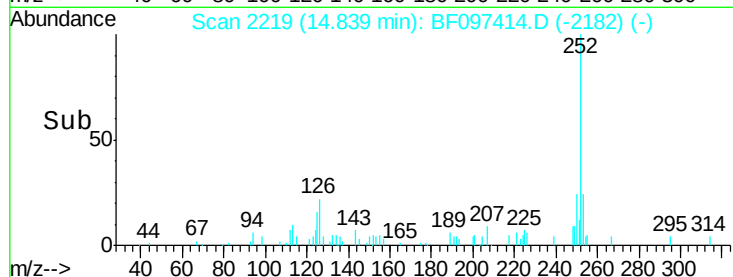
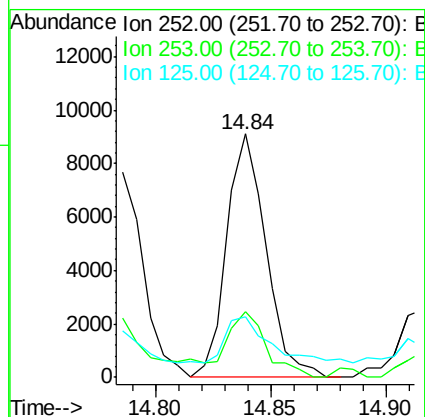
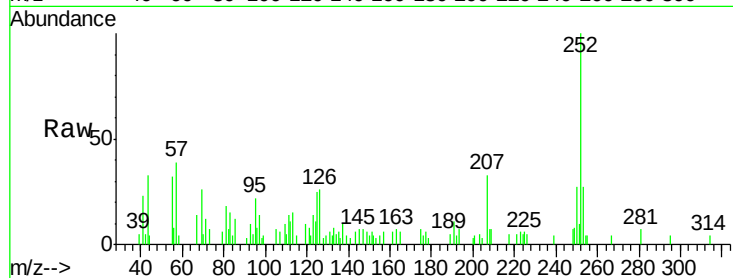
Tot Ion:252 Resp: 10762

Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

125 24.6 11.0 16.4#



#91

Benzo(g,h,i)perylene

Concen: 11.91 ng

RT: 16.45 min Scan# 2493

Delta R.T. -0.12 min

Lab File: BF097414.D

Acq: 5 Aug 2017 23:07

Tgt Ion:276 Resp: 6592

Ion Ratio Lower Upper

276 100

277 33.3 18.6 28.0#

138 54.9 25.4 38.0#

