

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097536.D
 Acq On : 10 Aug 2017 00:47
 Operator : SJ/JU
 Sample : I4677-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-BASE

Quant Time: Aug 10 04:40:50 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

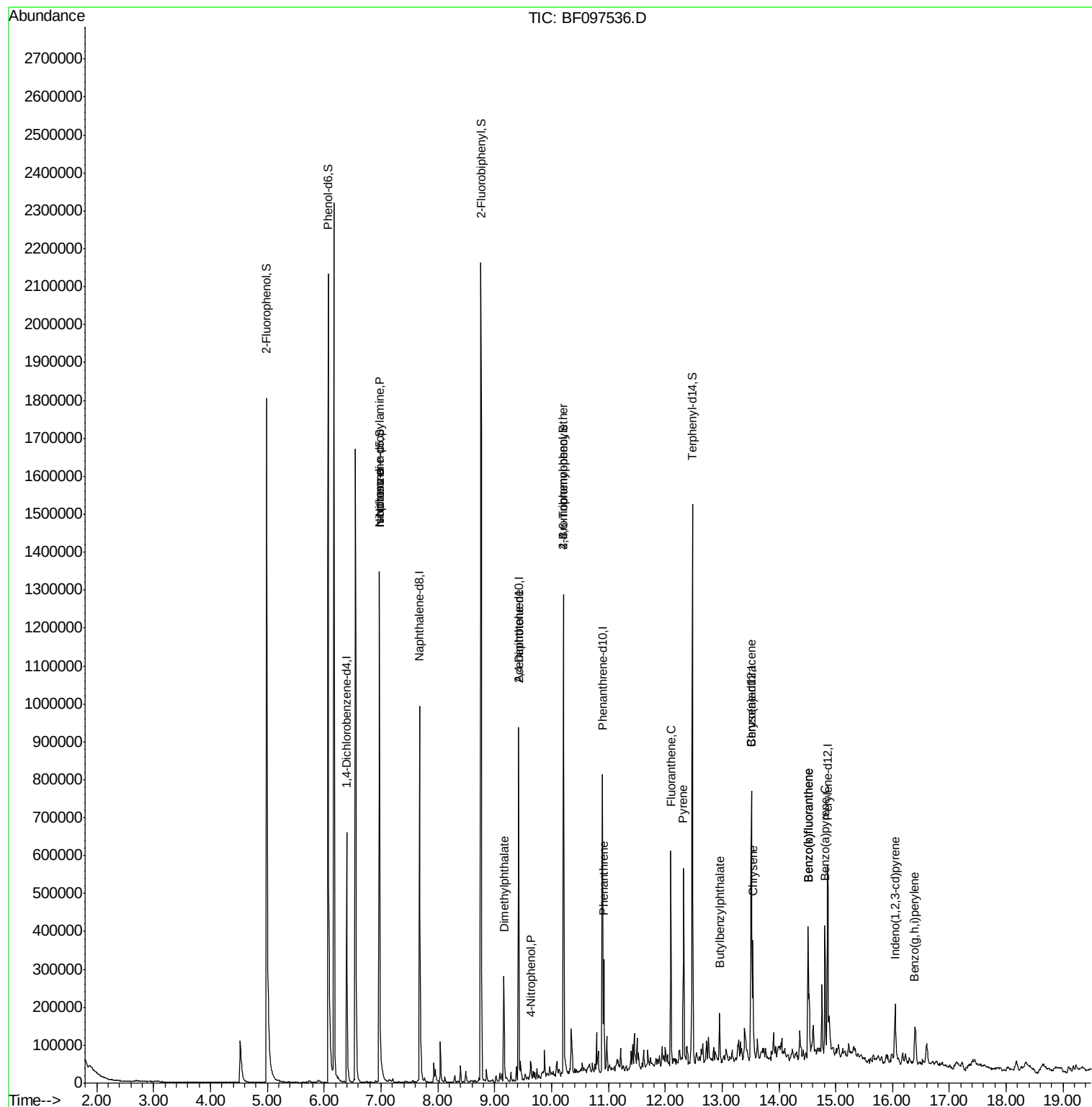
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	111592	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	465447	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	176251	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	290228	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	195766	20.00	ng	-0.02
86) Perylene-d12	14.86	264	189451	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	687120	92.82	ng	-0.02
7) Phenol-d6	6.07	99	840765	99.49	ng	-0.02
23) Nitrobenzene-d5	6.97	82	448190	56.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	138553	99.50	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	715438	68.89	ng	-0.02
78) Terphenyl-d14	12.48	244	465382	48.47	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.97	70	60386	10.86	ng	# 85
25) Isophorone	6.97	82	448187	28.84	ng	# 67
49) Dimethylphthalate	9.16	163	116110	8.68	ng	99
55) 4-Nitrophenol	9.63	139	4209	2.01	ng	# 25
56) 2,4-Dinitrotoluene	9.42	165	22083	6.77	ng	# 33
66) 4-Bromophenyl-phenylether	10.21	248	8821	3.05	ng	# 1
70) Phenanthrene	10.92	178	116477	7.49	ng	99
74) Fluoranthene	12.10	202	227419	14.93	ng	97
77) Pyrene	12.32	202	194827	12.16	ng	98
79) Butylbenzylphthalate	12.96	149	27703	3.40	ng	# 81
80) Benzo(a)anthracene	13.51	228	121217	9.57	ng	98
82) Chrysene	13.54	228	108269	8.75	ng	97
85) Indeno(1,2,3-cd)pyrene	16.04	276	72005	6.79	ng	97
87) Benzo(b)fluoranthene	14.52	252	201981	17.74	ng	98
88) Benzo(k)fluoranthene	14.52	252	201981	18.61	ng	96
89) Benzo(a)pyrene	14.81	252	120905	11.60	ng	96
91) Benzo(a,h,i)perylene	16.39	276	66150	7.38	ng	95

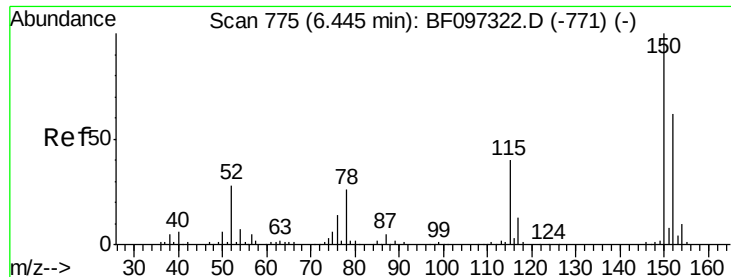
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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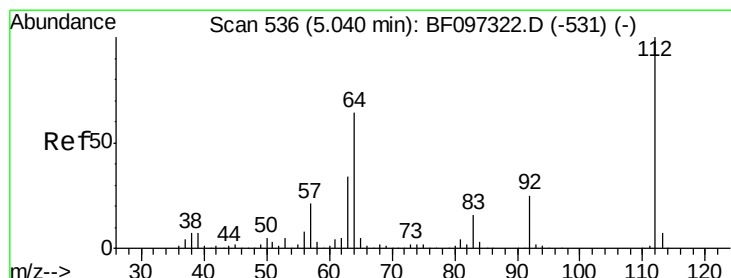
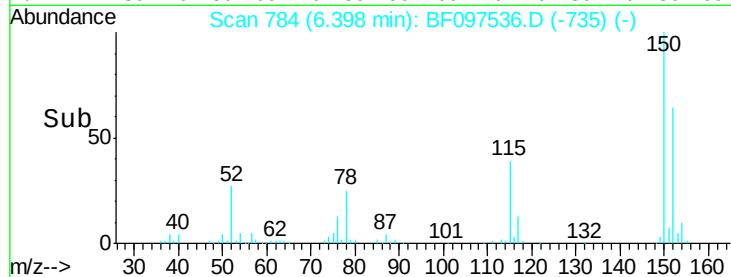
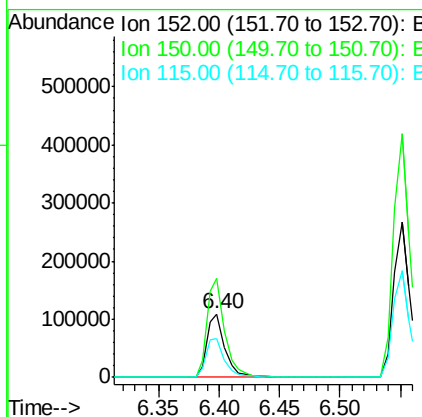
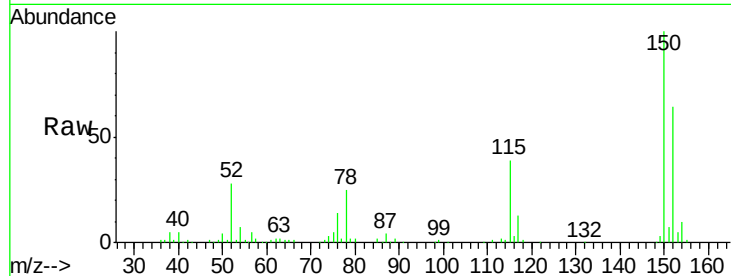


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

Instrument :
BNA_F
ClientSampled :
E2-D10-BASE

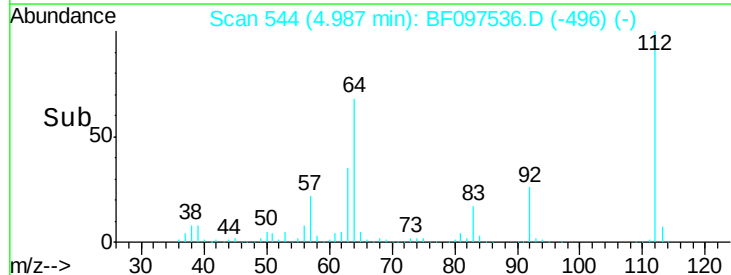
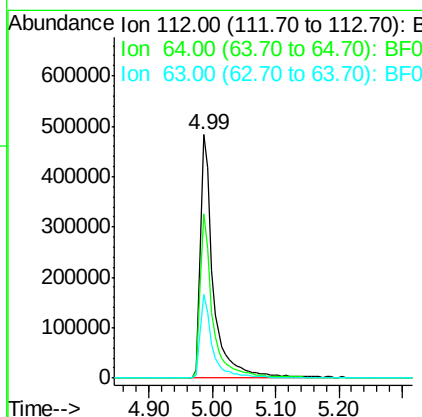
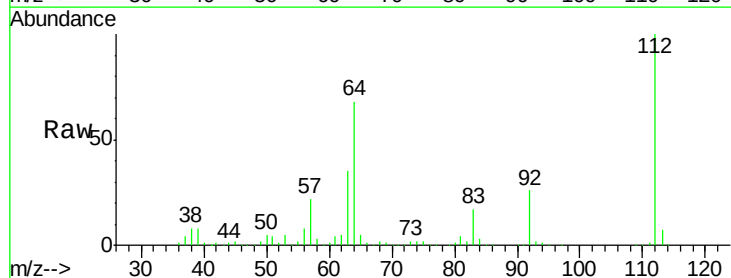
Tot Ion:152 Resp: 111592
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 61.0 52.2 78.2

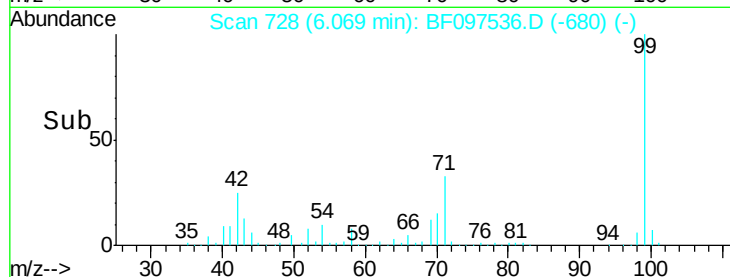
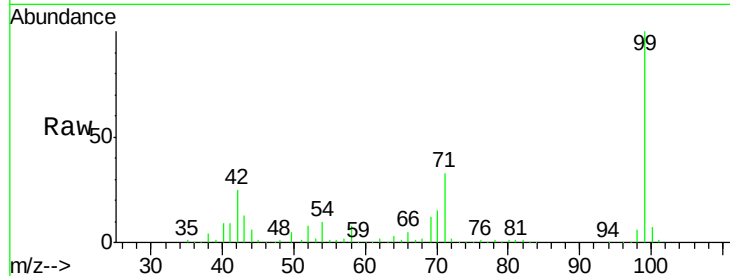
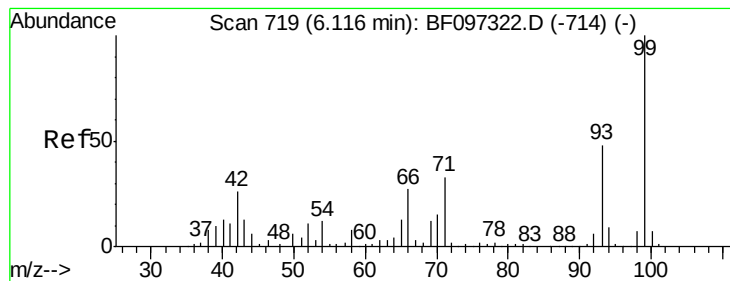


#5

2-Fluorophenol
Concen: 92.82 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

Tgt Ion:112 Resp: 687120
Ion Ratio Lower Upper
112 100
64 67.6 46.0 69.0
63 34.5 23.4 35.0





#7

Phenol-d6

Concen: 99.49 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Instrument :

BNA_F

ClientSampleId :

E2-D10-BASE

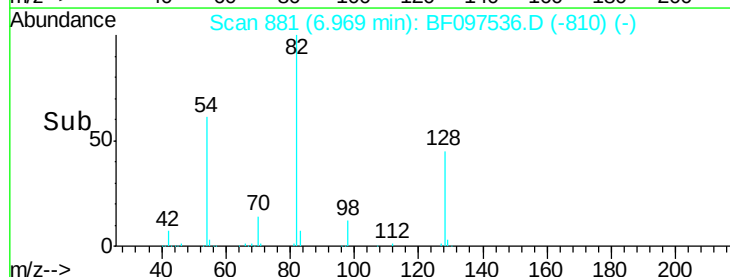
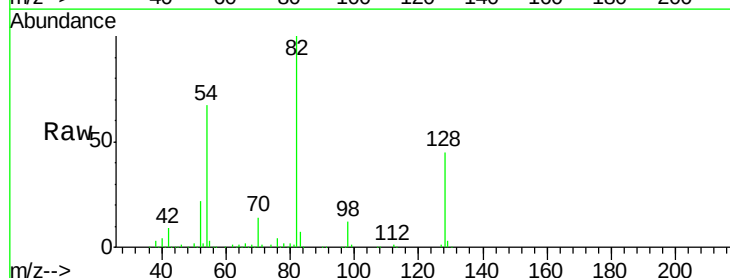
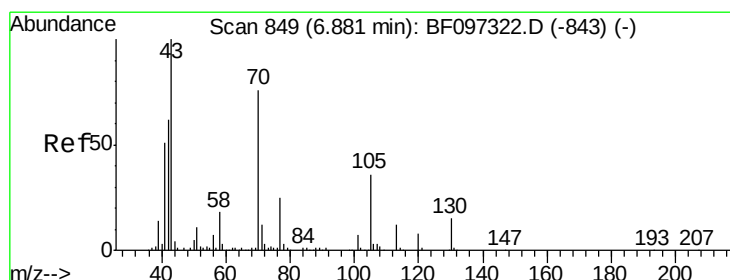
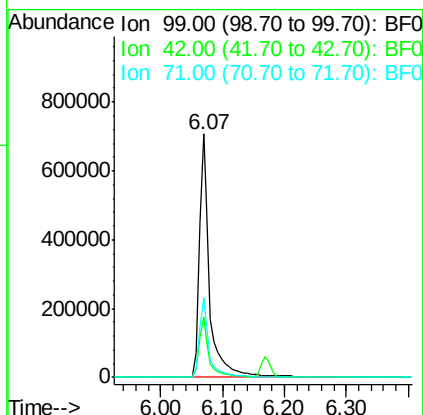
Tot Ion: 99 Resp: 840765

Ion Ratio Lower Upper

99 100

42 24.8 13.5 20.3#

71 32.8 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.86 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Tgt Ion: 70 Resp: 60386

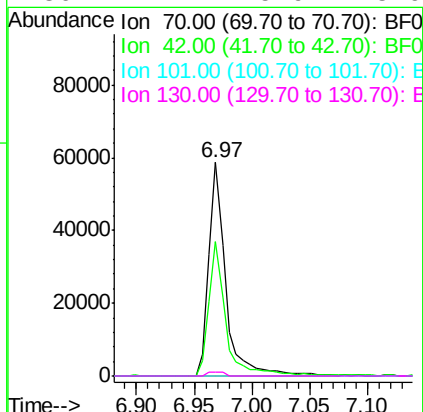
Ion Ratio Lower Upper

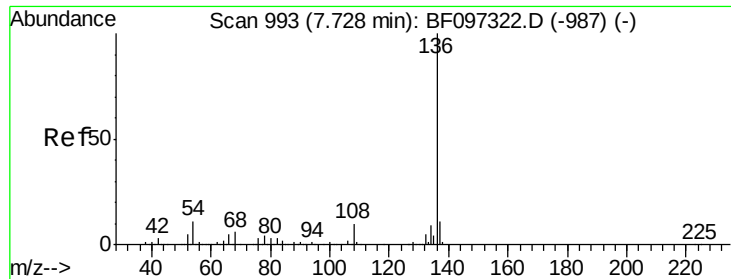
70 100

42 63.1 47.2 70.8

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Instrument :

BNA_F

ClientSampleId :

E2-D10-BASE

Tot Ion:136 Resp: 465447

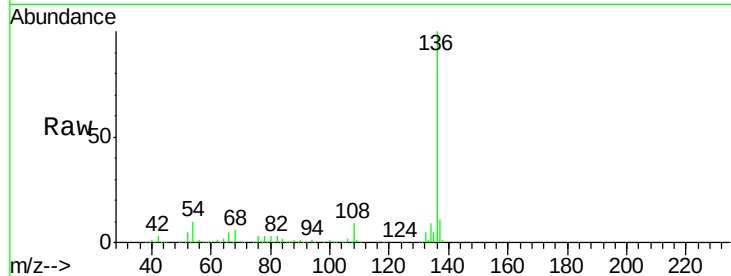
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.2 4.9 7.3#

68 5.6 4.1 6.1

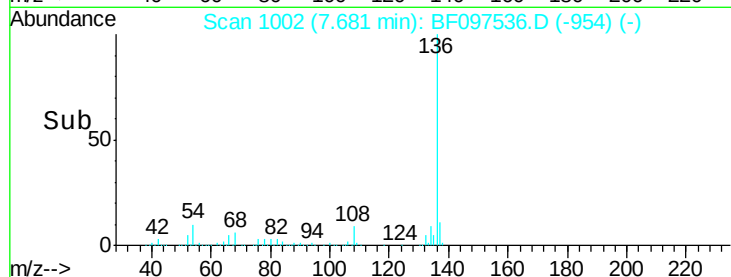


Abundance Ion 136.00 (135.70 to 136.70): E

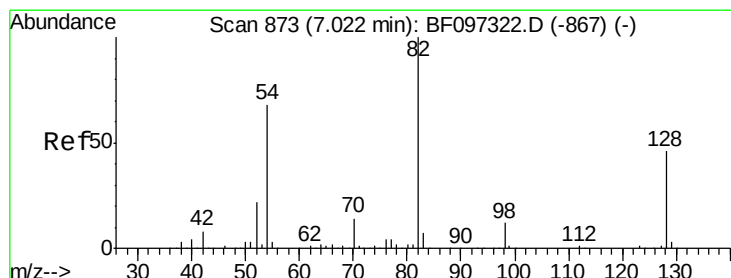
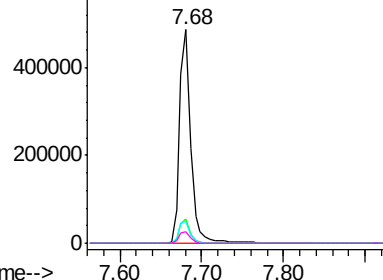
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 56.49 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

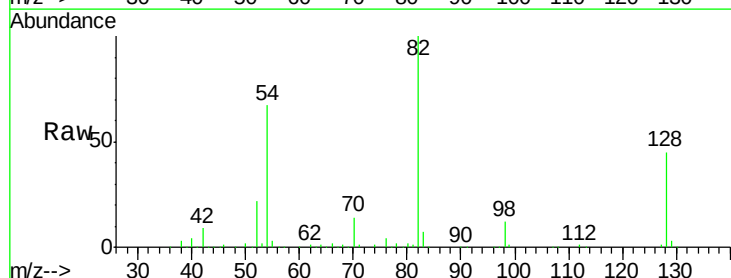
Tgt Ion: 82 Resp: 448190

Ion Ratio Lower Upper

82 100

128 45.0 34.0 51.0

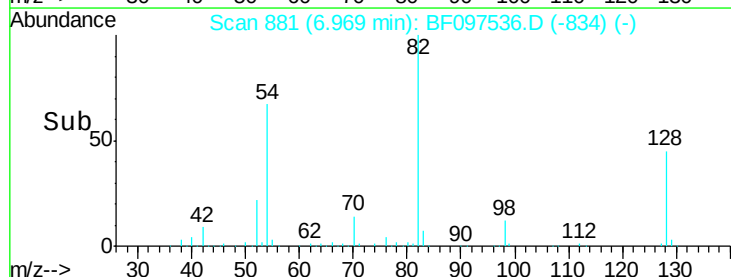
54 67.4 42.2 63.2#



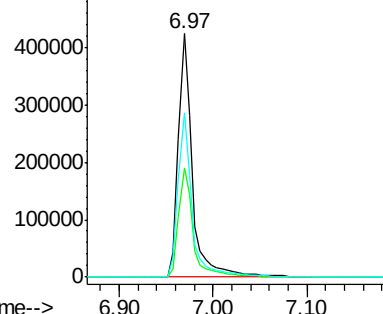
Abundance Ion 82.00 (81.70 to 82.70): BF0

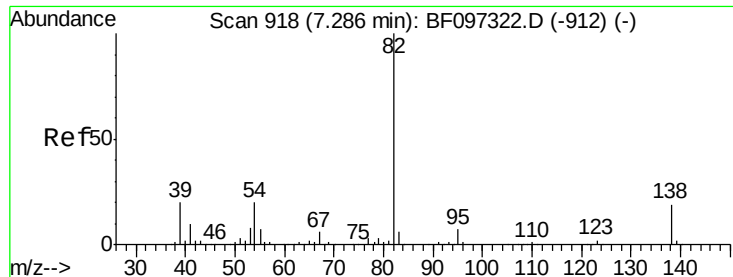
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 28.84 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Instrument :

BNA_F

ClientSampleId :

E2-D10-BASE

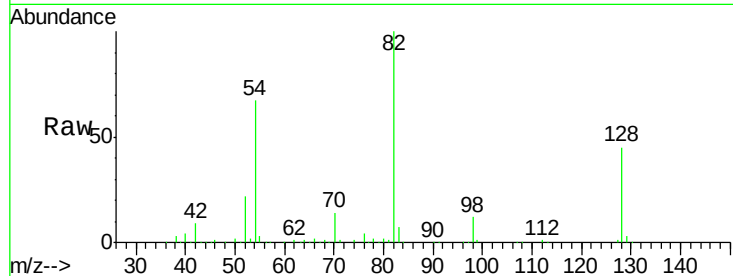
Tot Ion: 82 Resp: 448187

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

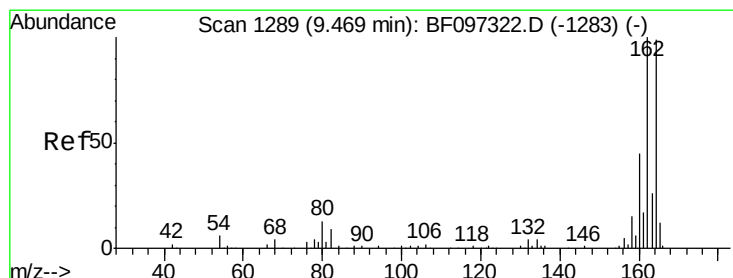
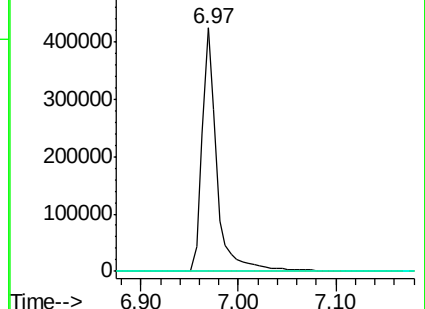
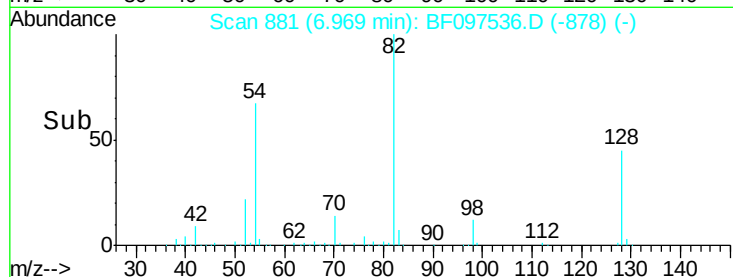
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

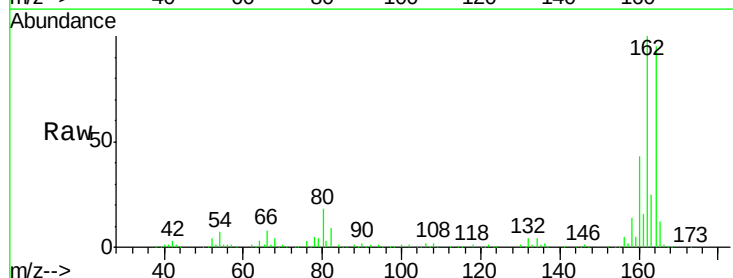
Tgt Ion:164 Resp: 176251

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

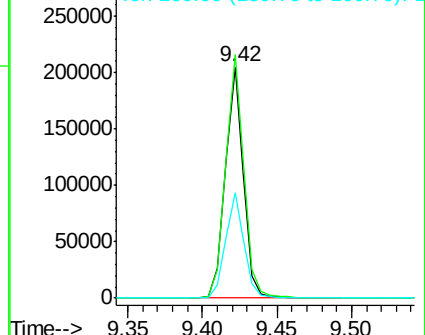
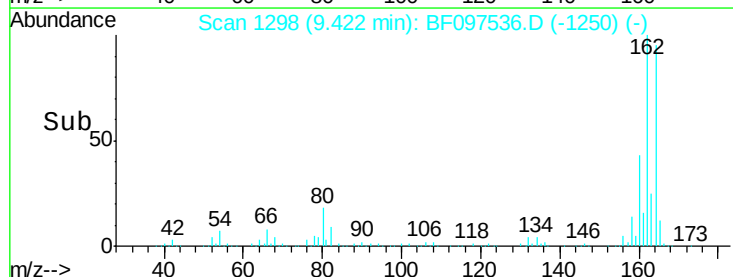
160 45.7 36.2 54.2

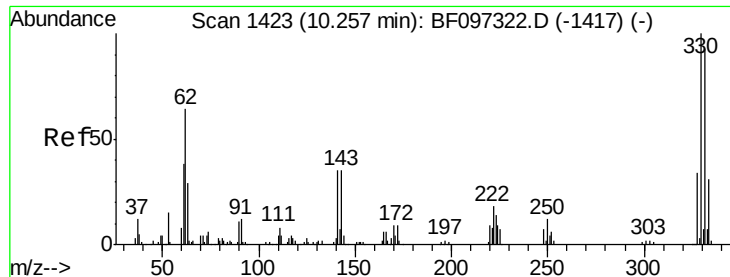


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

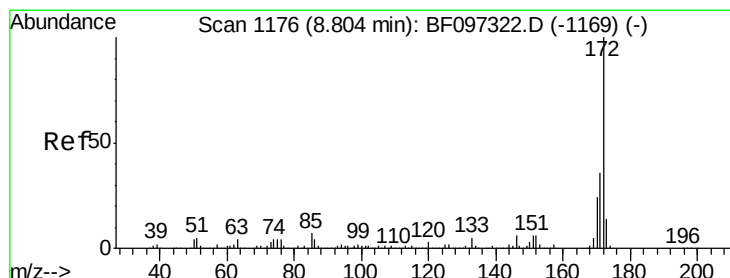
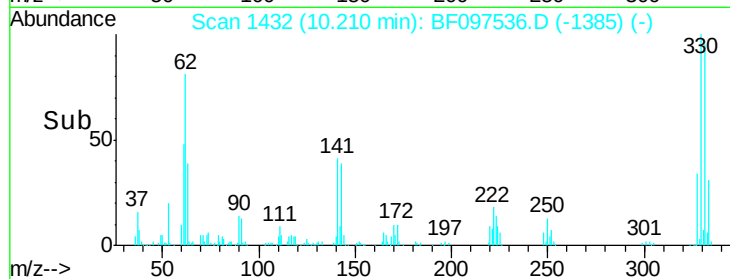
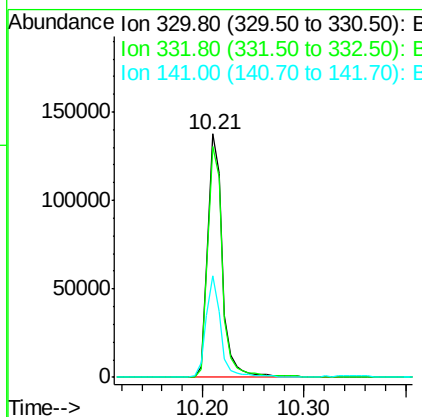
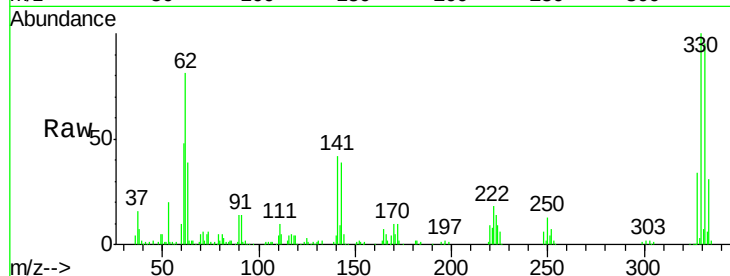




#41
 2,4,6-Tribromophenol
 Concen: 99.50 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF097536.D
 Acq: 10 Aug 2017 00:47

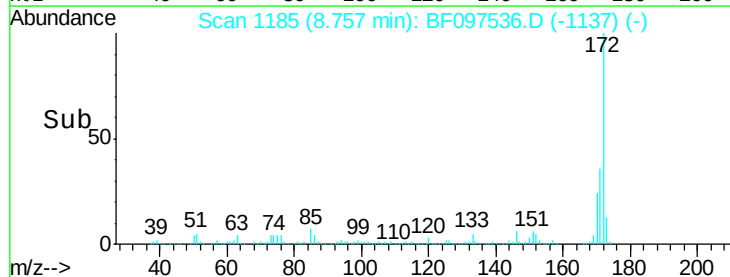
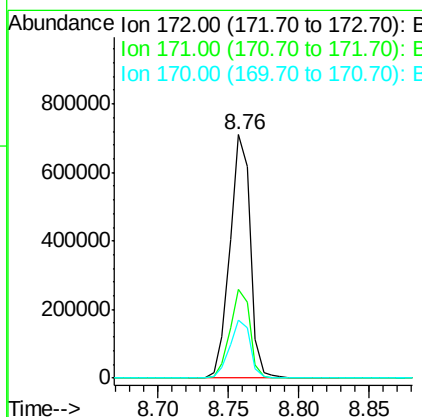
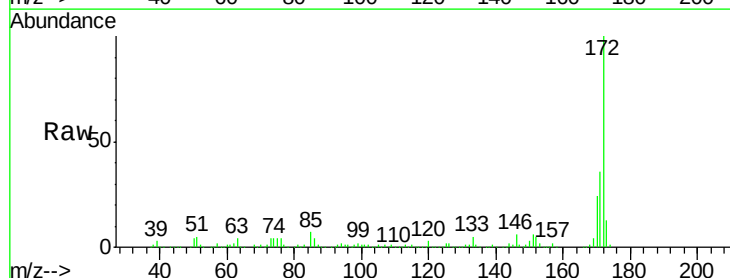
Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-BASE

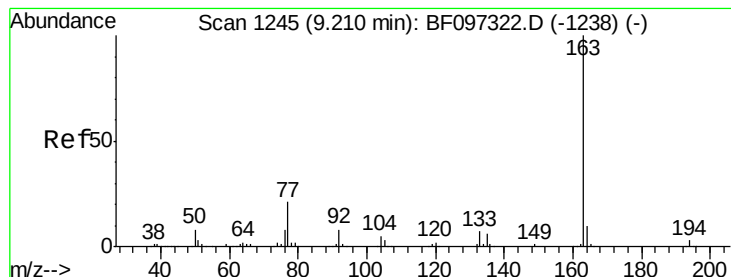
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	42.0	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 68.89 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097536.D
 Acq: 10 Aug 2017 00:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.0	19.8	29.8





#49

Dimethylphthalate

Concen: 8.68 ng

RT: 9.16 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Instrument :

BNA_F

ClientSampleId :

E2-D10-BASE

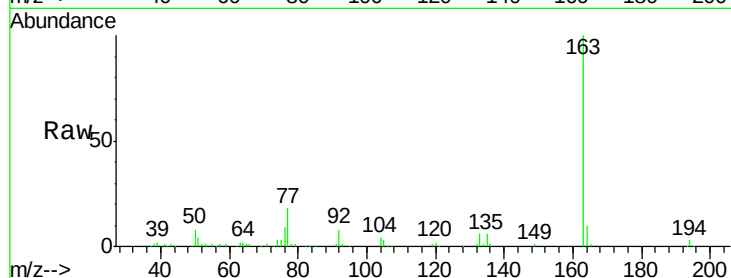
Tot Ion:163 Resp: 116110

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

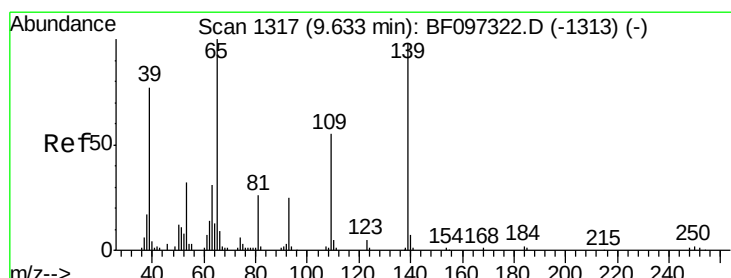
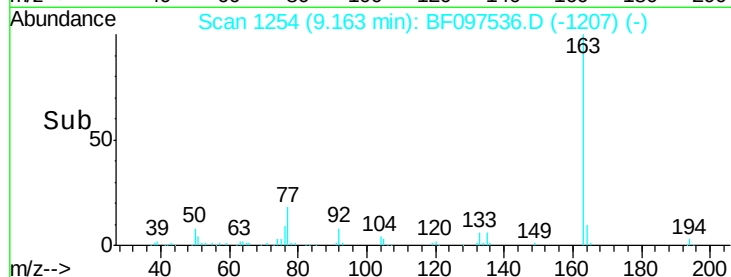
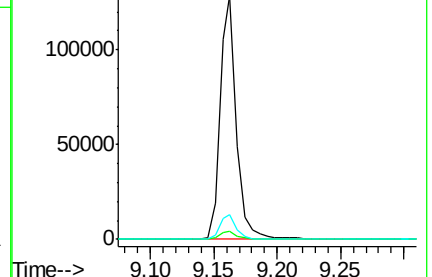
164 10.2 8.4 12.6



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: 2.01 ng

RT: 9.63 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

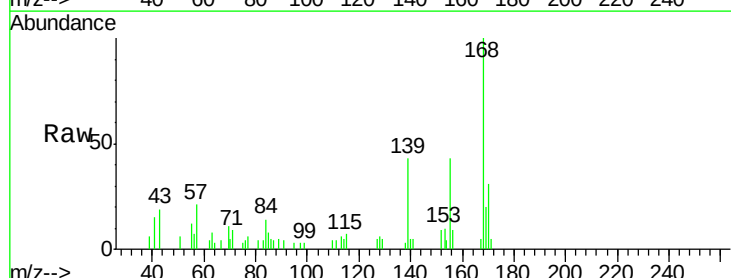
Tgt Ion:139 Resp: 4209

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

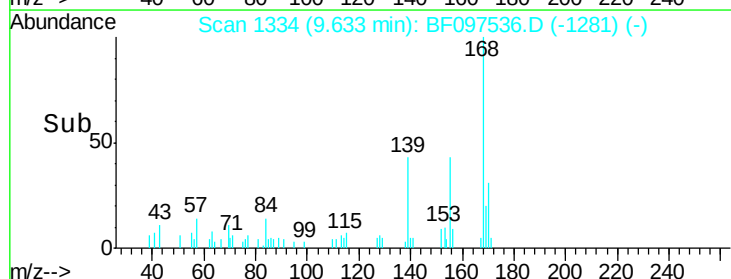
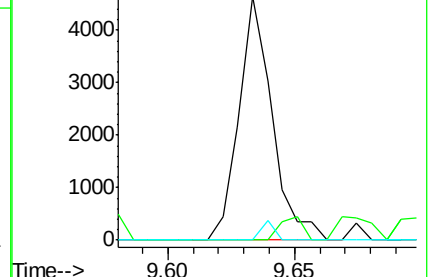
65 0.0 31.4 71.4#

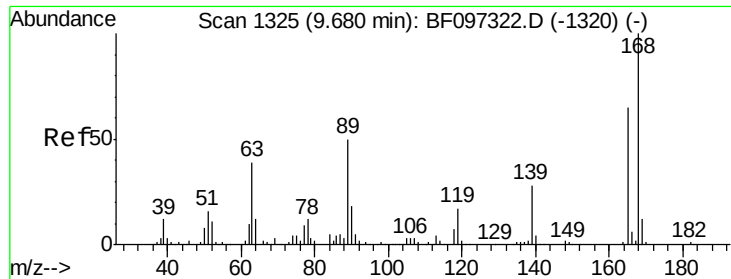


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

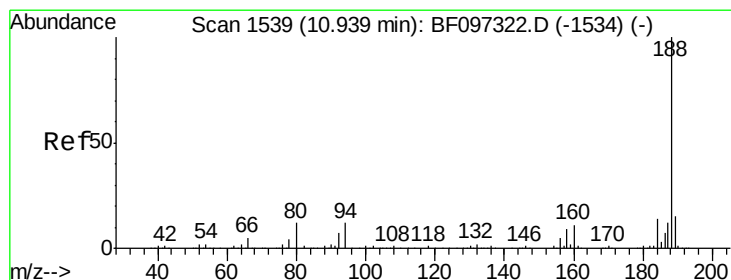
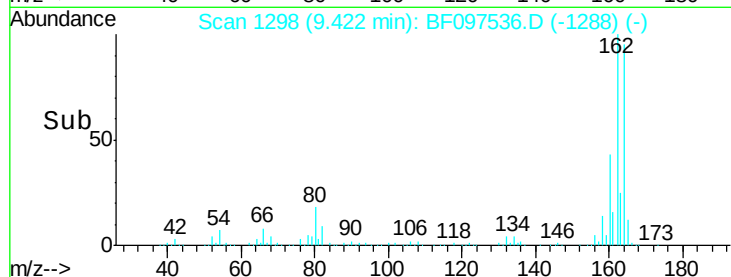
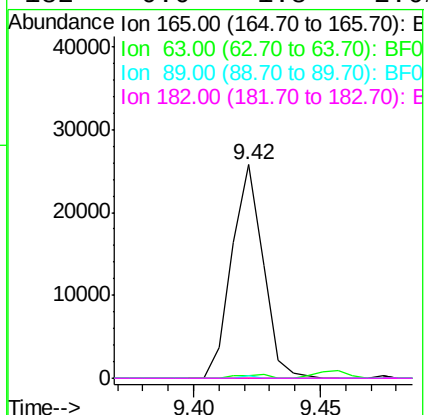
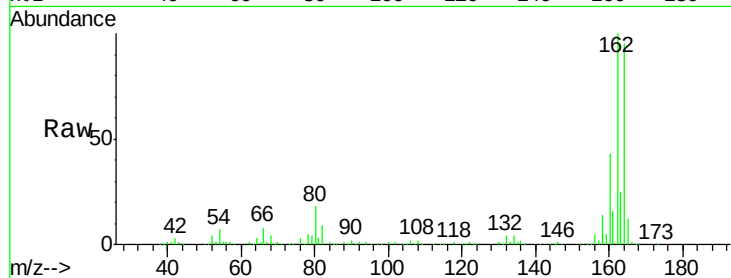




#56
 2,4-Dinitrotoluene
 Concen: 6.77 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097536.D
 Acq: 10 Aug 2017 00:47

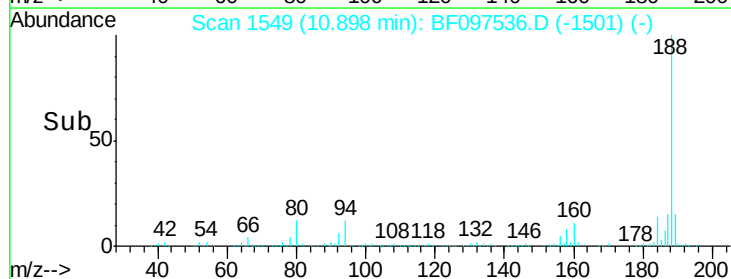
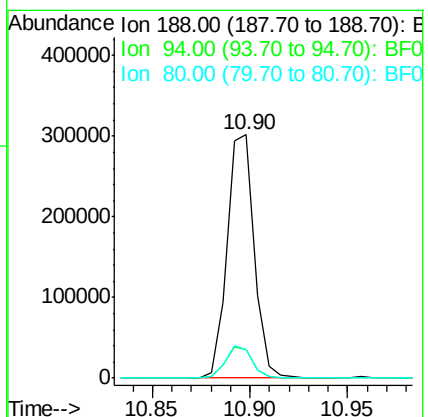
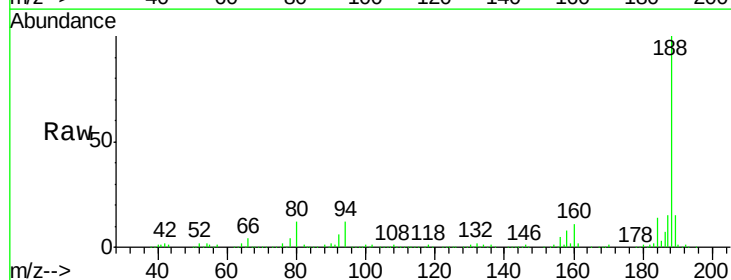
Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-BASE

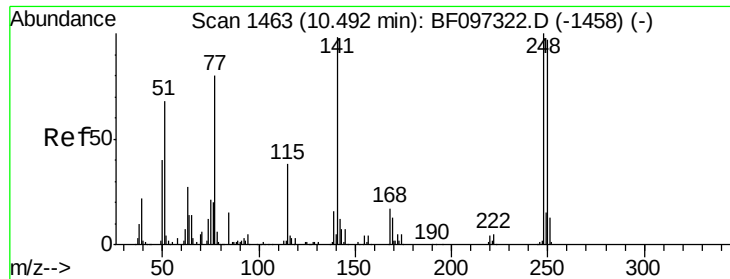
Tot Ion:	165	Resp:	22083
Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097536.D
 Acq: 10 Aug 2017 00:47

Tgt Ion:	188	Resp:	290228
Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	11.7	10.2	15.2

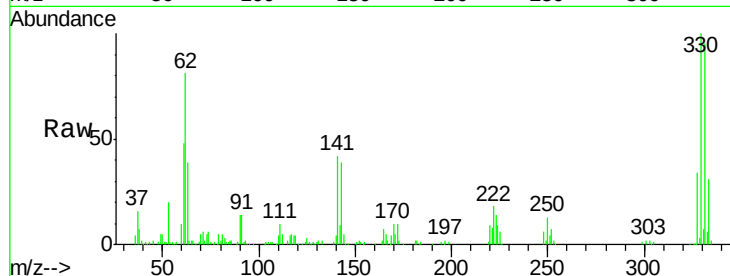




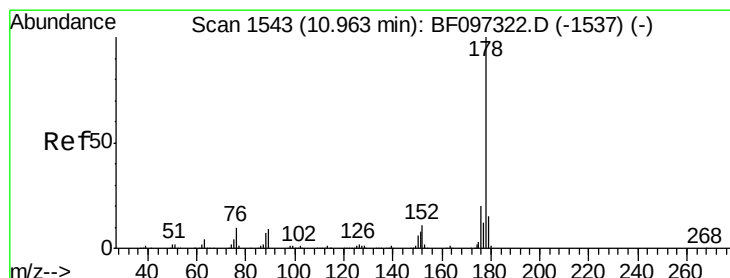
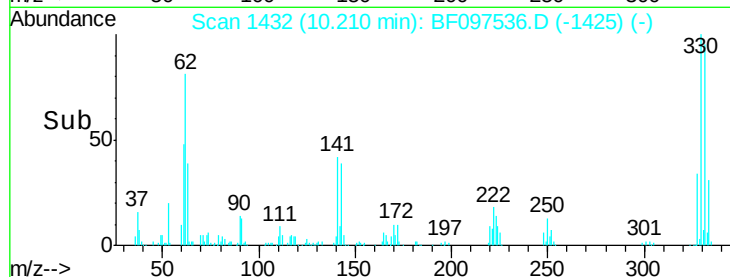
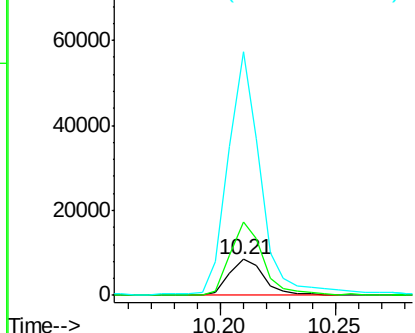
#66
 4-Bromophenyl-phenylether
 Concen: 3.05 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.26 min
 Lab File: BF097536.D
 Acq: 10 Aug 2017 00:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-BASE

Tot Ion:248 Resp: 8821
 Ion Ratio Lower Upper
 248 100
 250 203.6 76.8 115.2#
 141 676.6 68.6 103.0#

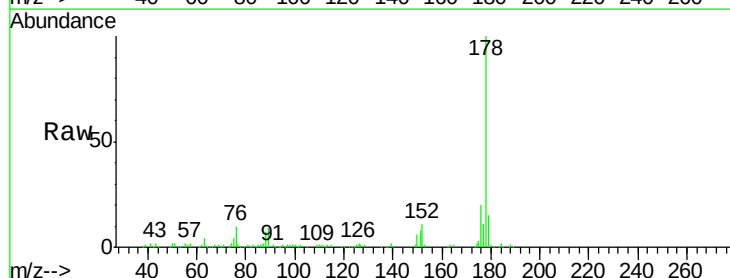


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

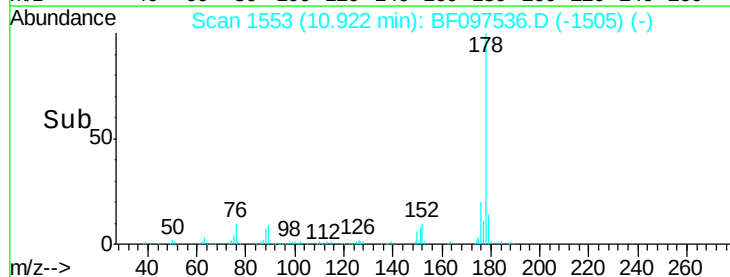
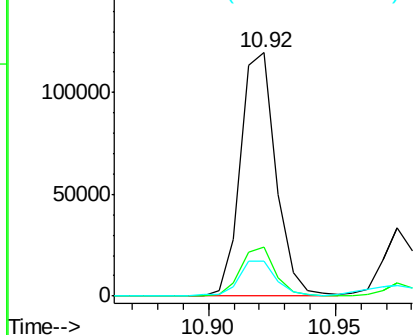


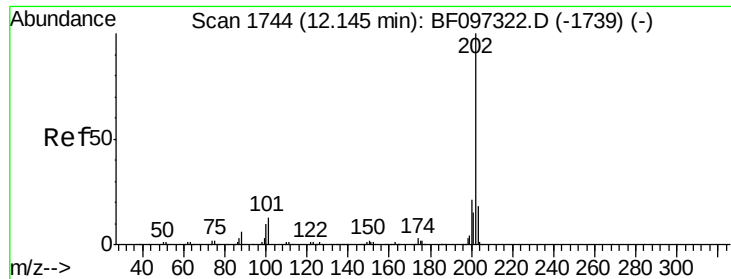
#70
 Phenanthrene
 Concen: 7.49 ng
 RT: 10.92 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF097536.D
 Acq: 10 Aug 2017 00:47

Tgt Ion:178 Resp: 116477
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 14.6 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





#74

Fluoranthene

Concen: 14.93 ng

RT: 12.10 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Instrument :

BNA_F

ClientSampleId :

E2-D10-BASE

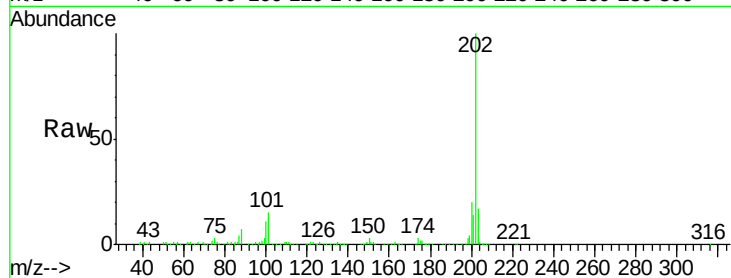
Tot Ion:202 Resp: 227419

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.2

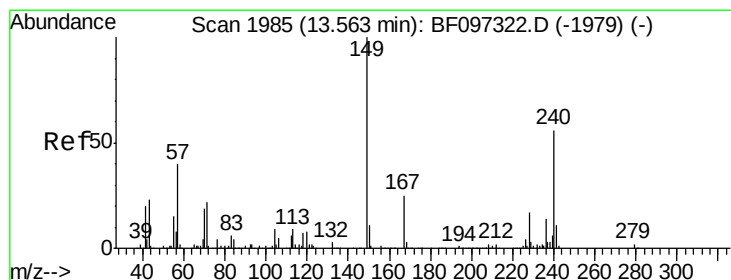
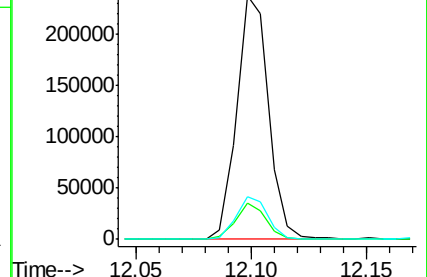
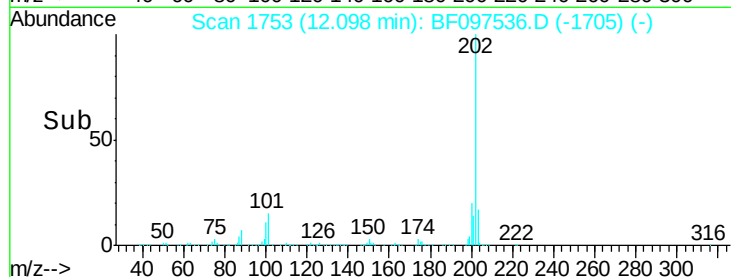
203 17.3 0.0 38.1



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: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

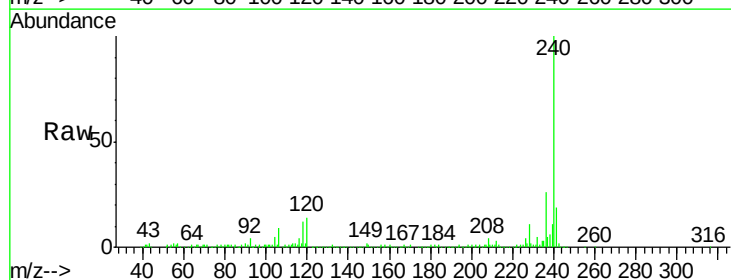
Tgt Ion:240 Resp: 195766

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

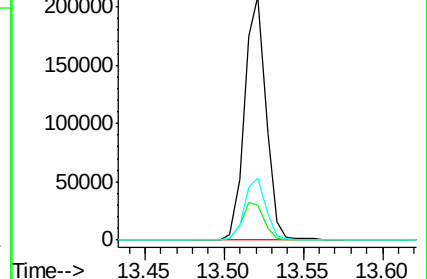
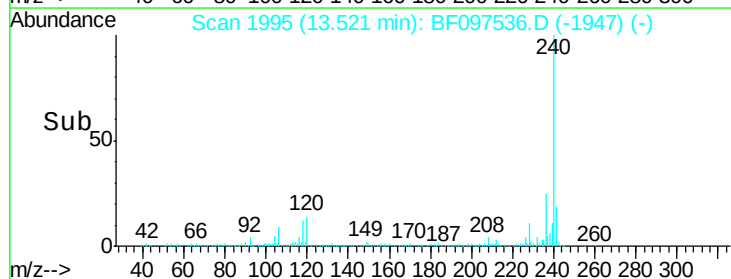
236 25.7 20.5 30.7

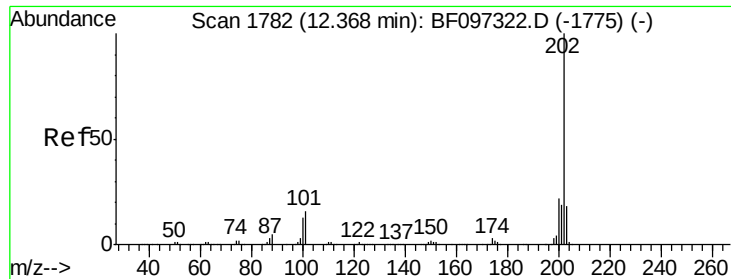


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

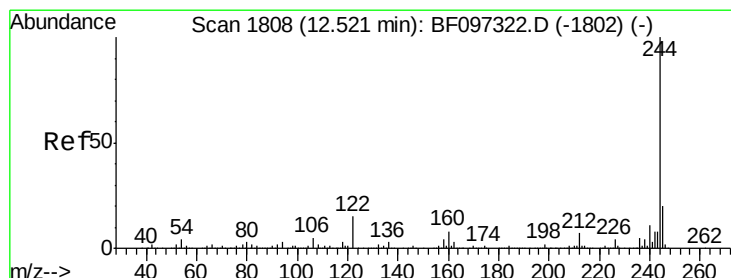
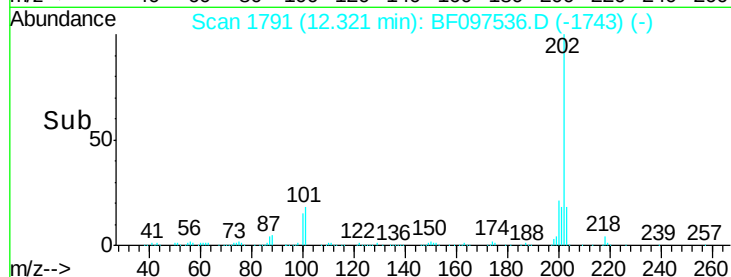
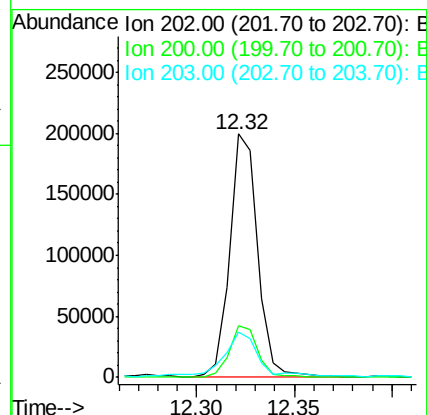
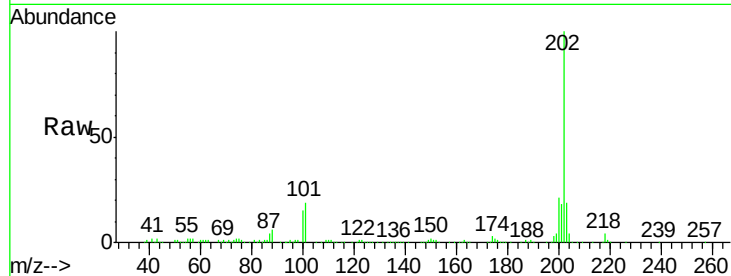




#77
Pvrene
Concen: 12.16 ng
RT: 12.32 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

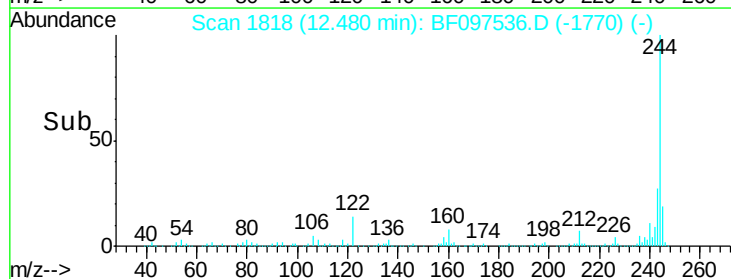
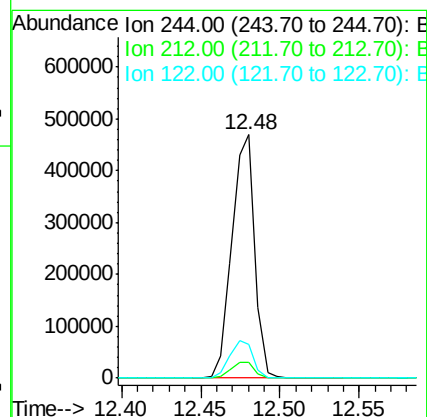
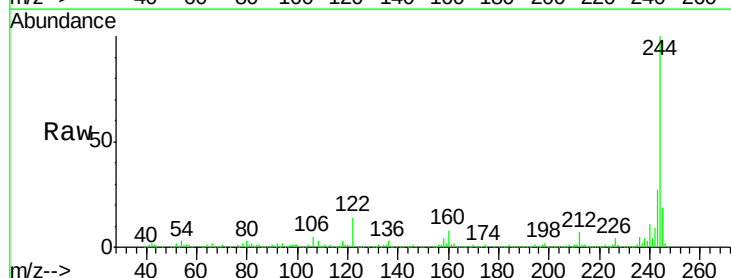
Instrument :
BNA_F
ClientSampleId :
E2-D10-BASE

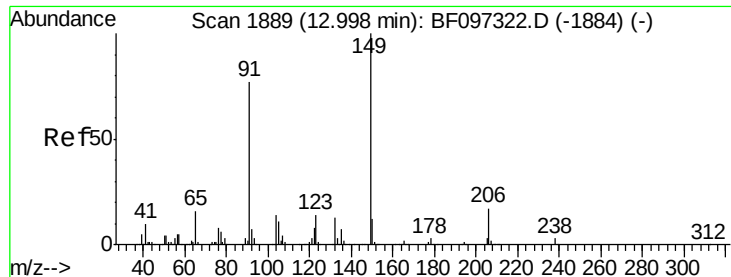
Tot Ion:202 Resp: 194827
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 18.7 14.4 21.6



#78
Terphenyl-d14
Concen: 48.47 ng
RT: 12.48 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

Tgt Ion:244 Resp: 465382
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 13.8 10.3 15.5

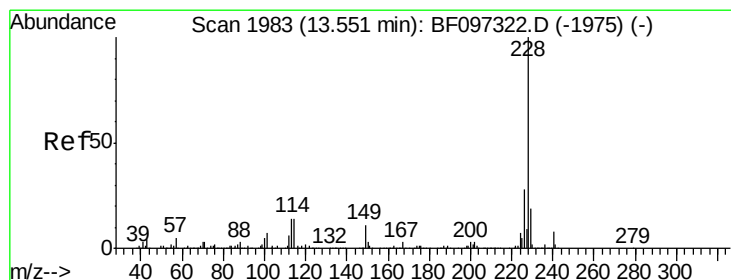
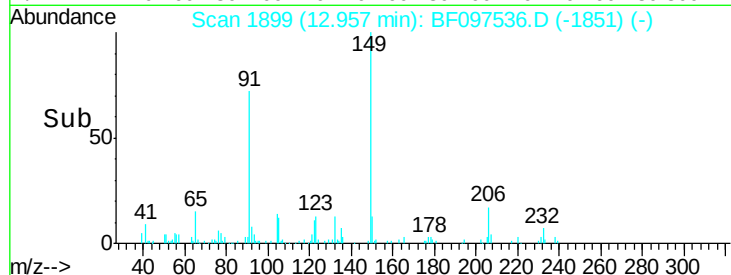
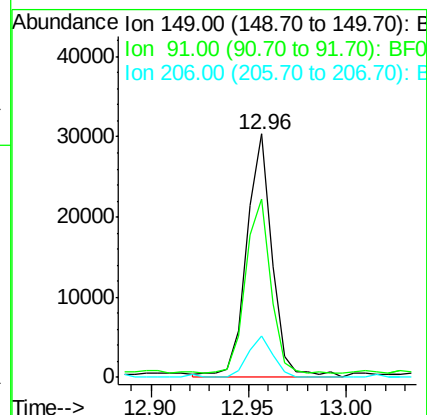
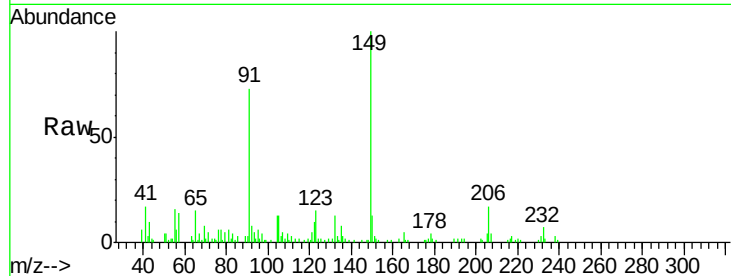




#79
Butylbenzylphthalate
Concen: 3.40 ng
RT: 12.96 min Scan# 1899
Delta R.T. -0.02 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

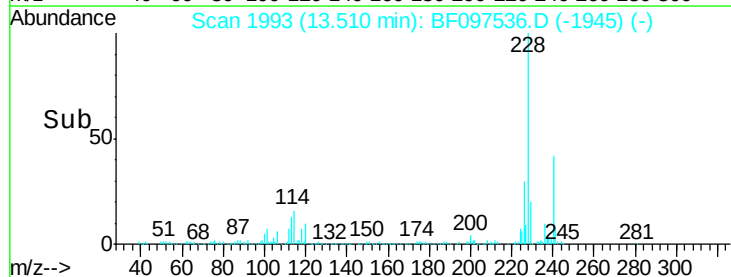
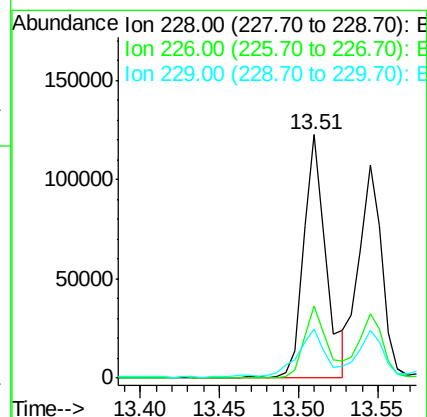
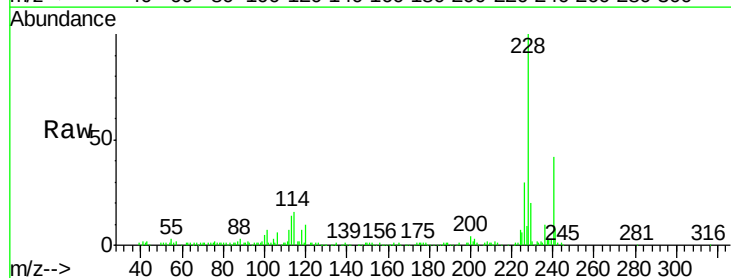
Instrument :
BNA_F
ClientSampleId :
E2-D10-BASE

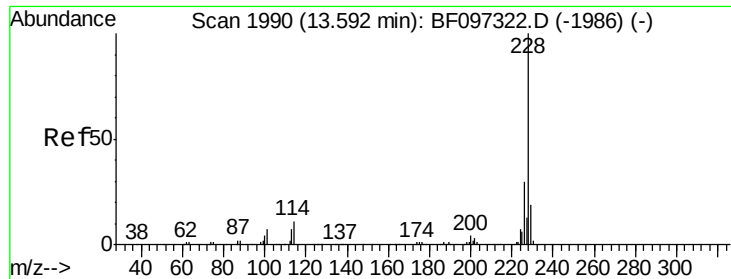
Tot Ion	Ratio	Lower	Upper
149	100		
91	73.3	45.0	67.4#
206	17.1	17.0	25.6



#80
Benzo(a)anthracene
Concen: 9.57 ng
RT: 13.51 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.2	16.3	24.5





#82

Chrysene

Concen: 8.75 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Instrument :

BNA_F

ClientSampleId :

E2-D10-BASE

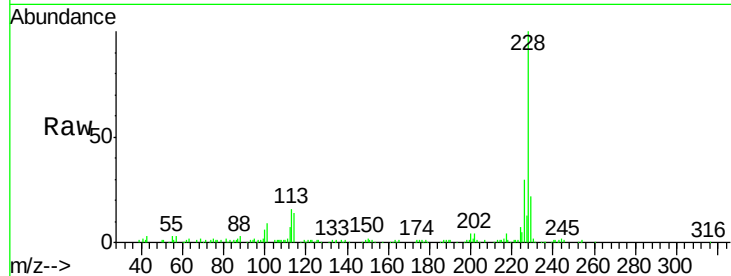
Tot Ion:228 Resp: 108269

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

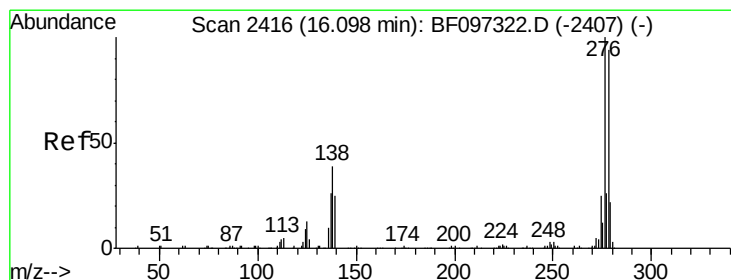
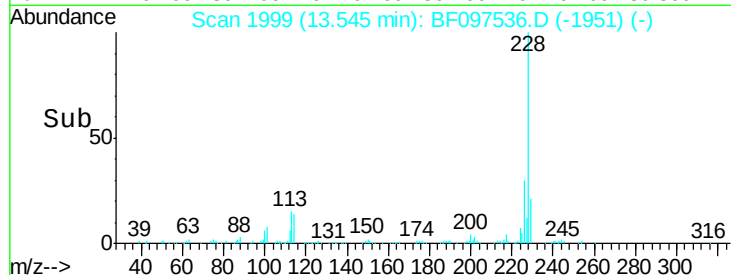
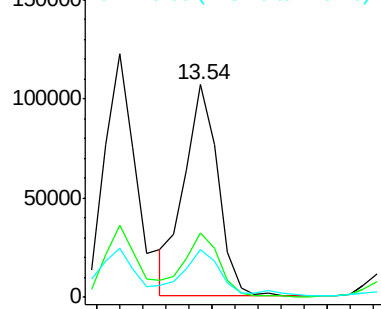
229 22.3 15.8 23.6



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: 6.79 ng

RT: 16.04 min Scan# 2424

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

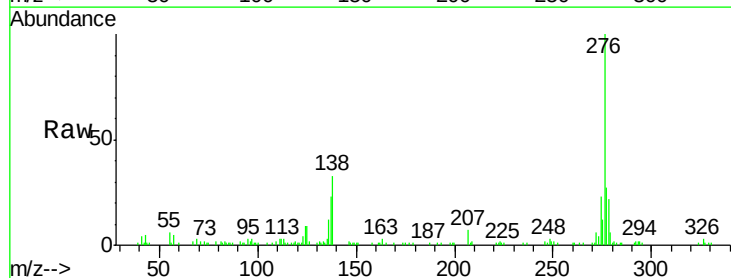
Tgt Ion:276 Resp: 72005

Ion Ratio Lower Upper

276 100

138 32.9 27.8 41.6

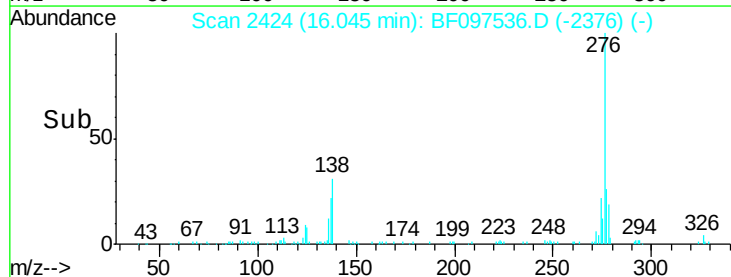
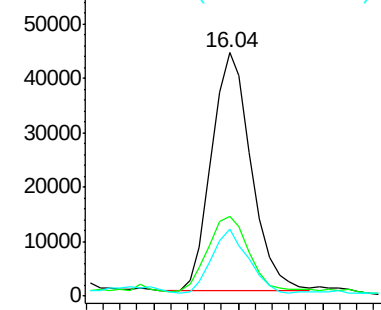
277 24.2 20.2 30.4

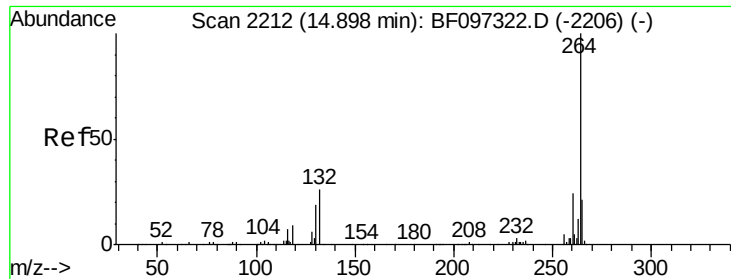


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

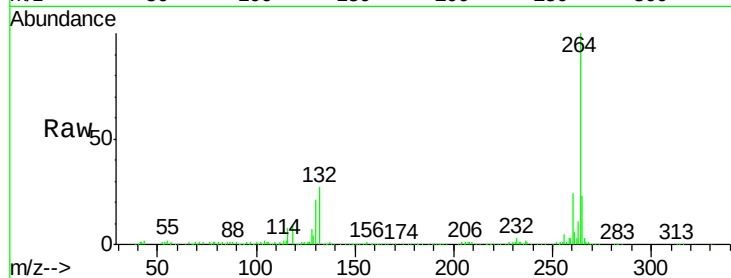




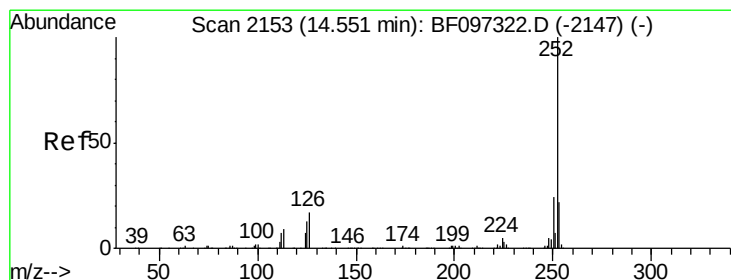
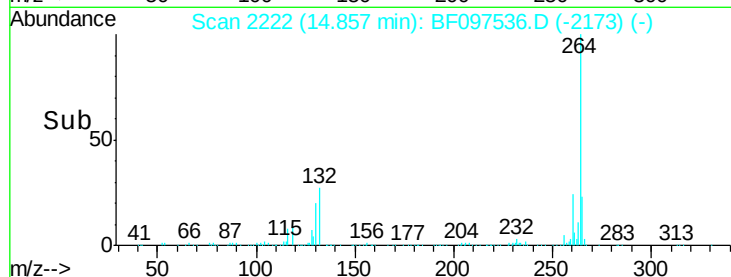
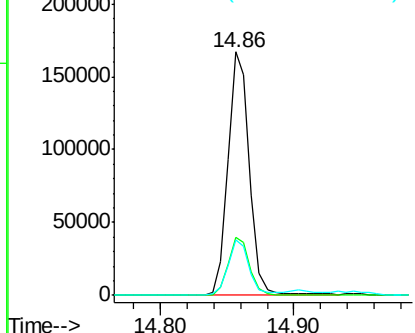
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

Instrument :
BNA_F
ClientSampleId :
E2-D10-BASE

Tot Ion:264 Resp: 189451
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.9 17.2 25.8

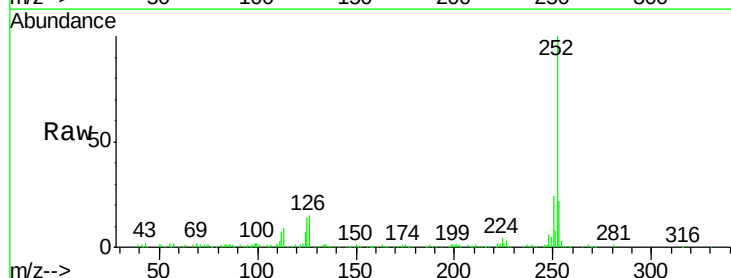


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

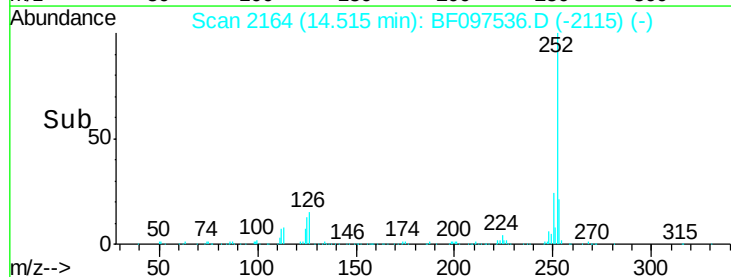
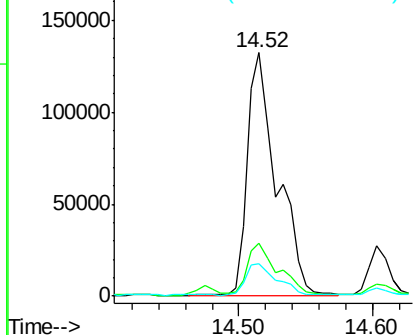


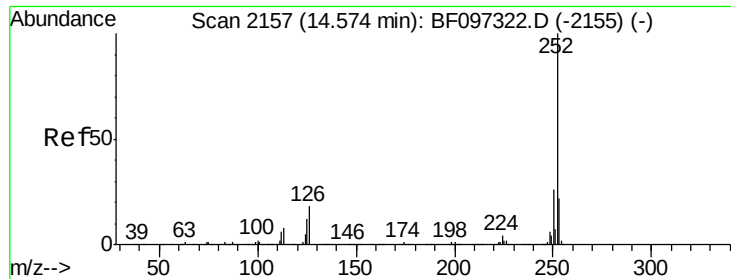
#87
Benzo(b)fluoranthene
Concen: 17.74 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

Tgt Ion:252 Resp: 201981
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 13.5 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

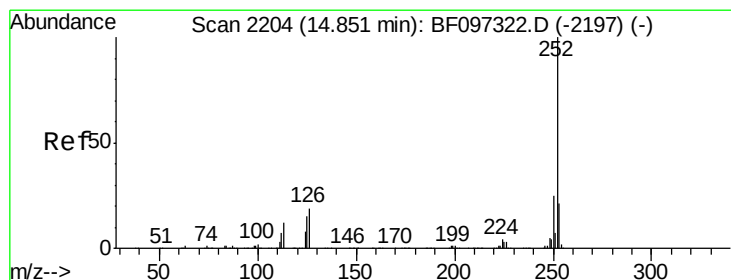
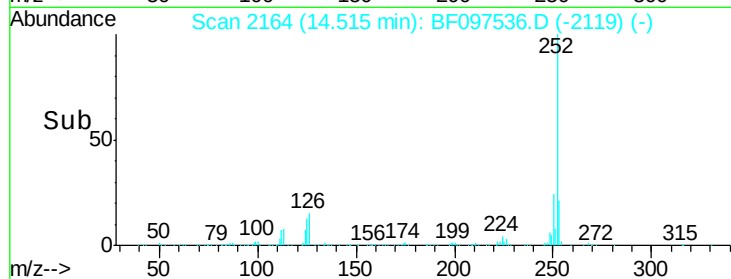
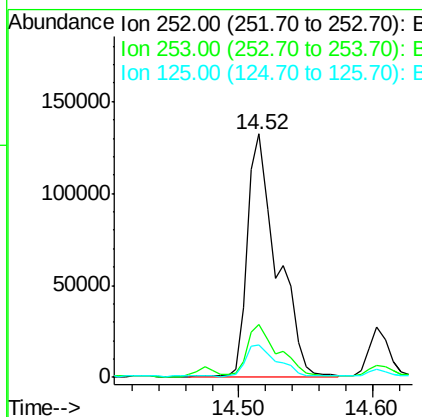
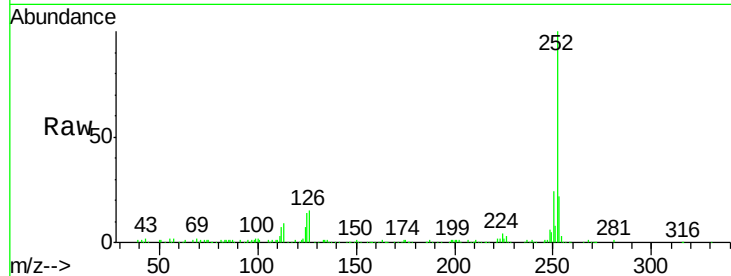




#88
Benzo(k)fluoranthene
Concen: 18.61 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

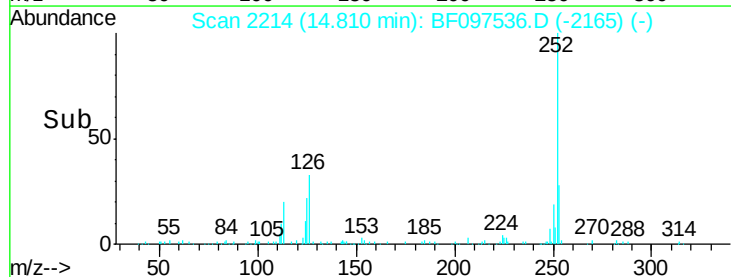
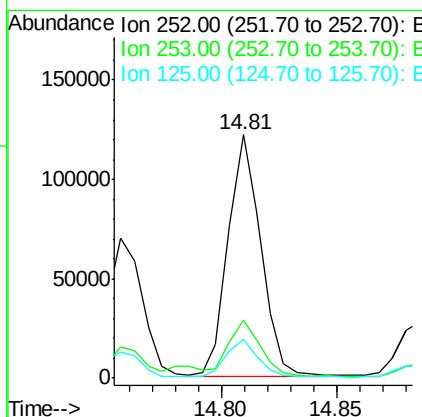
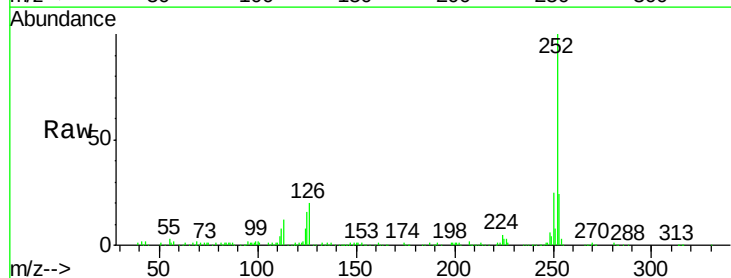
Instrument :
BNA_F
ClientSampleId :
E2-D10-BASE

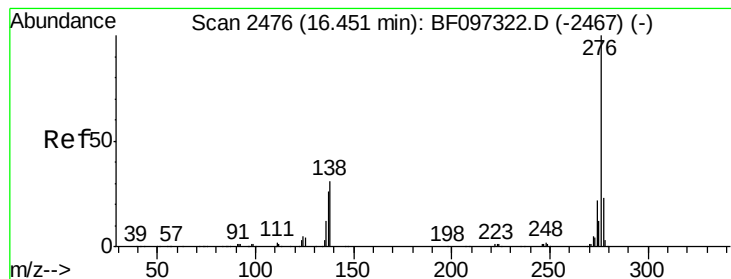
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	13.5	13.1	19.7



#89
Benzo(a)pyrene
Concen: 11.60 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097536.D
Acq: 10 Aug 2017 00:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.9	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 7.38 ng

RT: 16.39 min Scan# 2483

Delta R.T. -0.02 min

Lab File: BF097536.D

Acq: 10 Aug 2017 00:47

Instrument :

BNA_F

ClientSampleId :

E2-D10-BASE

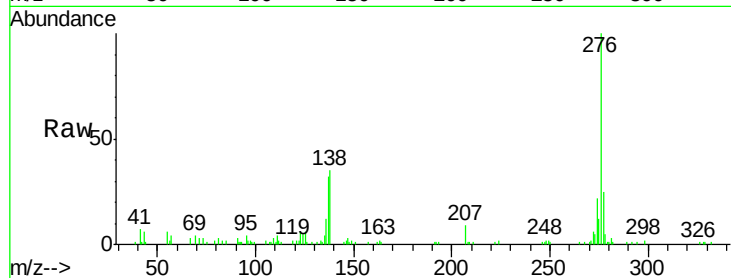
Tot Ion: 276 Resp: 66150

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 35.4 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

