

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097555.D
 Acq On : 10 Aug 2017 11:38
 Operator : SJ/JU
 Sample : I4623-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 13:27:34 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	115115	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	477340	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	195191	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	282194	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	205981	20.00	ng	-0.02
86) Perylene-d12	14.86	264	177435	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.99	112	621412	81.38	ng	-0.02
7) Phenol-d6	6.07	99	799920	91.76	ng	-0.02
23) Nitrobenzene-d5	6.97	82	471389	57.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	130786	84.80	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	761761	66.23	ng	-0.02
78) Terphenyl-d14	12.47	244	439578	43.51	ng	-0.02

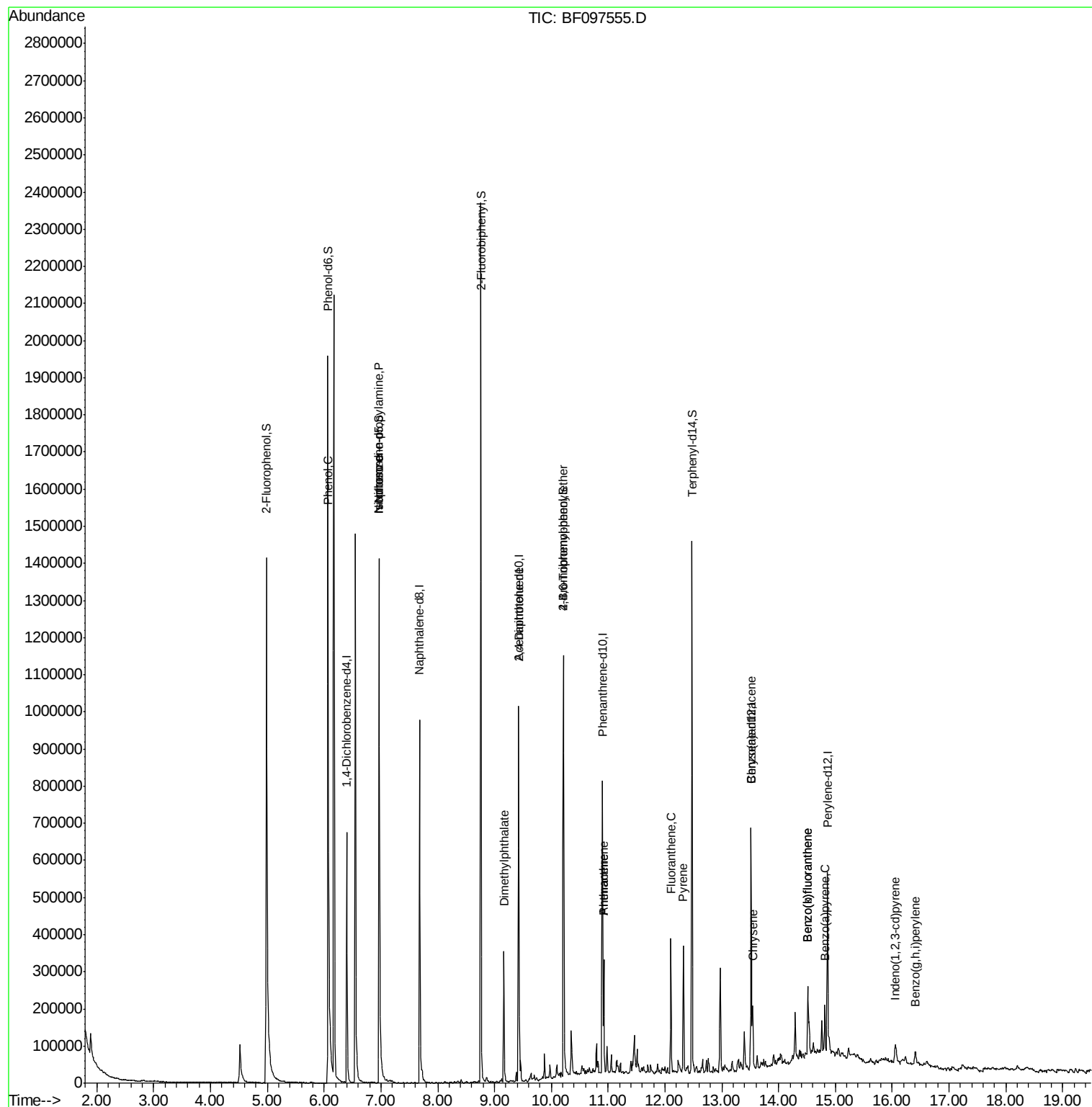
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.08	94	29310	2.835	ng	# 52
19) n-Nitroso-di-n-propylamine	6.97	70	62781	10.941	ng	# 87
25) Isophorone	6.97	82	471386	29.582	ng	# 67
49) Dimethylphthalate	9.16	163	142266	9.598	ng	# 99
56) 2,4-Dinitrotoluene	9.42	165	24471	6.771	ng	# 33
66) 4-Bromophenyl-phenylether	10.21	248	7745	2.750	ng	# 1
70) Phenanthrene	10.92	178	119692	7.916	ng	# 99
71) Anthracene	10.92	178	119692	7.729	ng	# 99
74) Fluoranthene	12.10	202	151531	10.230	ng	# 97
77) Pyrene	12.33	202	130726	7.752	ng	# 98
80) Benzo(a)anthracene	13.51	228	64660	4.851	ng	# 99
82) Chrysene	13.54	228	58793	4.518	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.06	276	26398	2.366	ng	# 95
87) Benzo(b)fluoranthene	14.52	252	103733	9.726	ng	# 96
88) Benzo(k)fluoranthene	14.52	252	103733	10.206	ng	# 98
89) Benzo(a)pyrene	14.81	252	50046	5.127	ng	# 93
91) Benzo(a,h,i)perylene	16.40	276	23579	2.809	ng	# 97

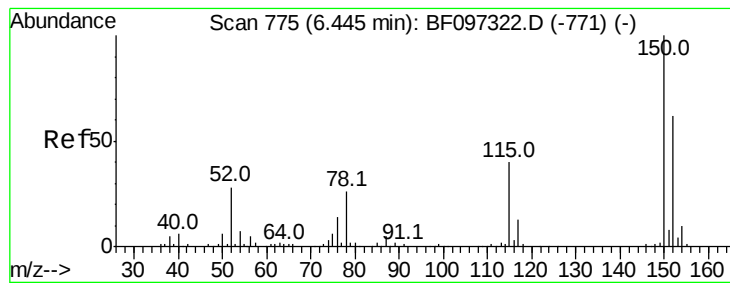
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097555.D
Acq On : 10 Aug 2017 11:38
Operator : SJ/JU
Sample : I4623-09
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 10 13:27:34 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



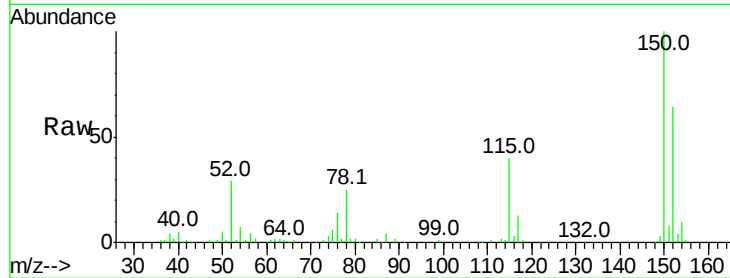


#1

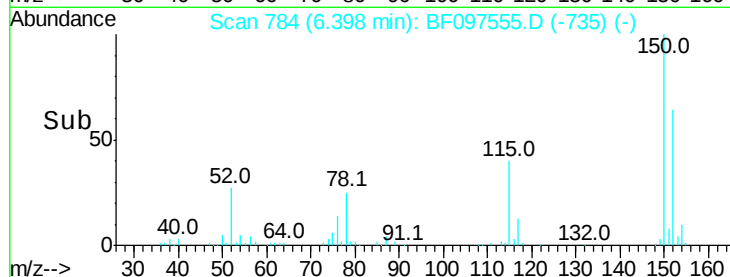
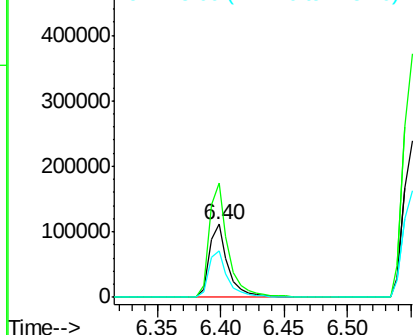
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115115
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 62.9 52.2 78.2



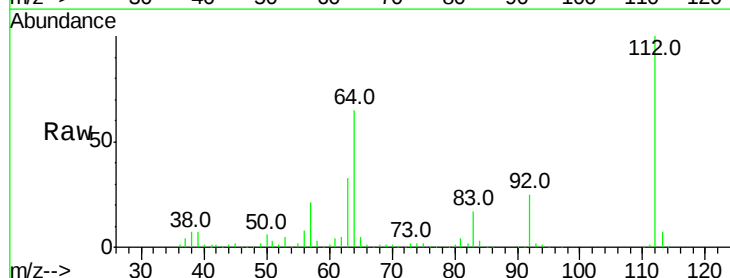
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



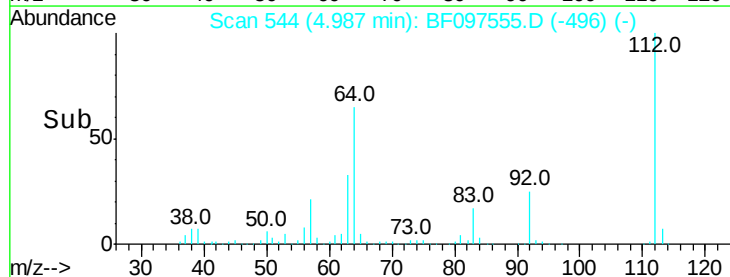
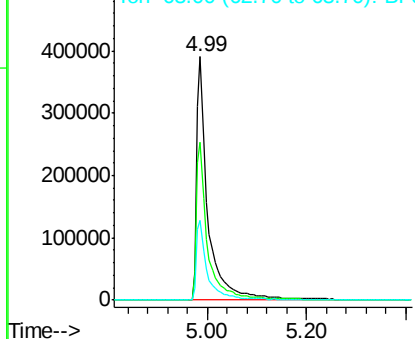
#5

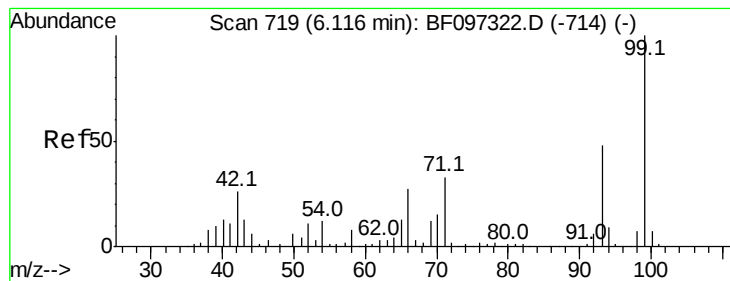
2-Fluorophenol
Concen: 81.377 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Tgt Ion:112 Resp: 621412
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 32.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.759 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

Instrument :

BNA_F

ClientSampled :

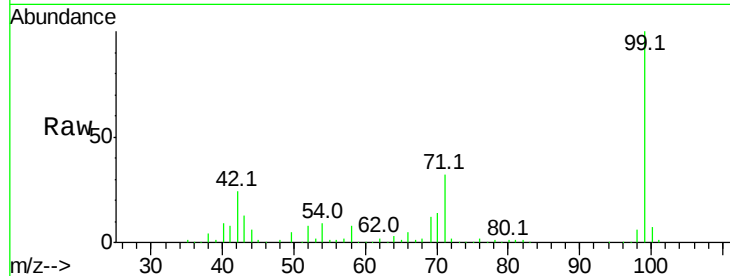
Tot Ion: 99 Resp: 799920

Ion Ratio Lower Upper

99 100

42 24.2 13.5 20.3#

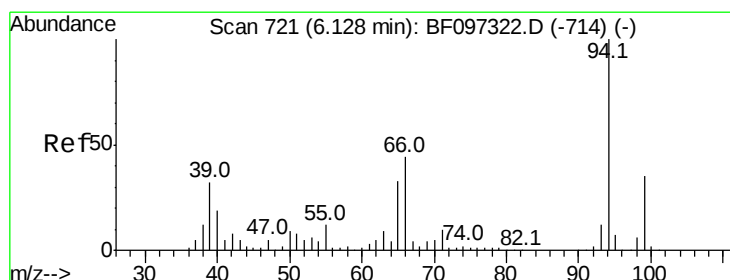
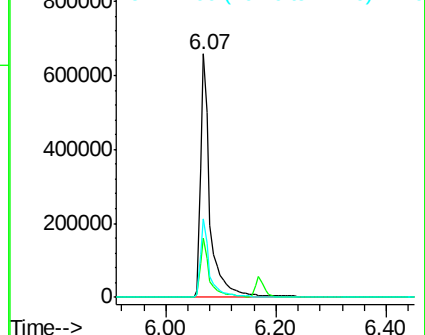
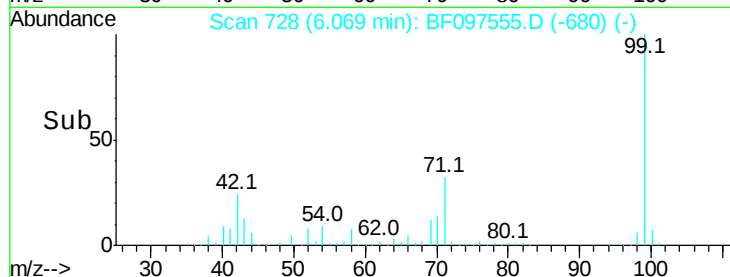
71 32.1 24.5 36.7



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



#10

Phenol

Concen: 2.835 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

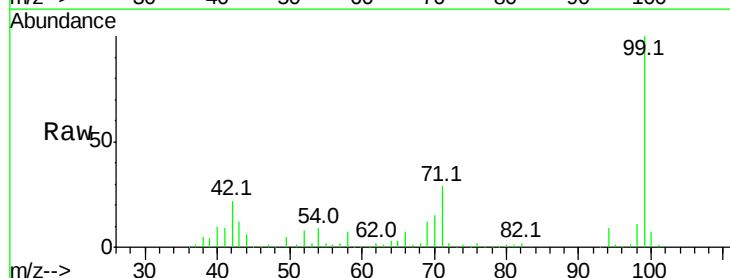
Tgt Ion: 94 Resp: 29310

Ion Ratio Lower Upper

94 100

65 40.6 9.9 49.9

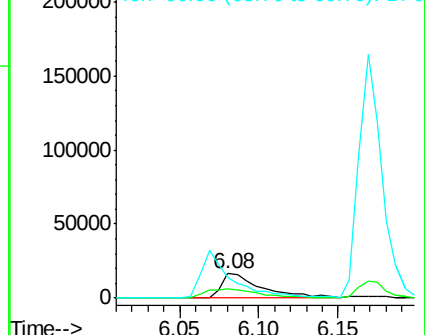
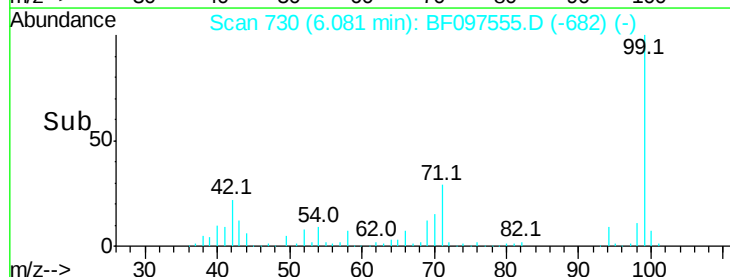
66 86.9 23.1 63.1#

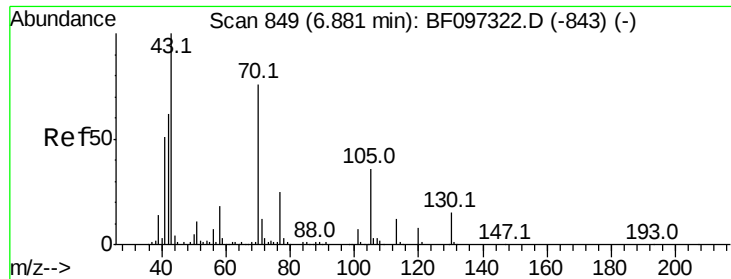


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

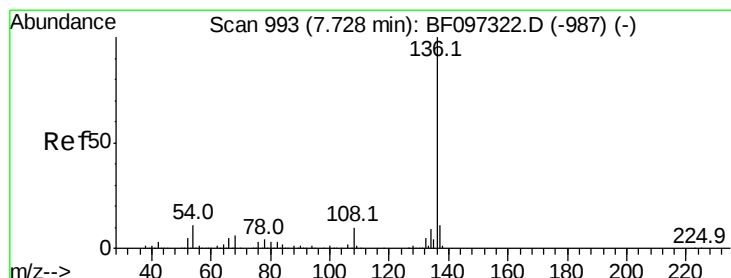
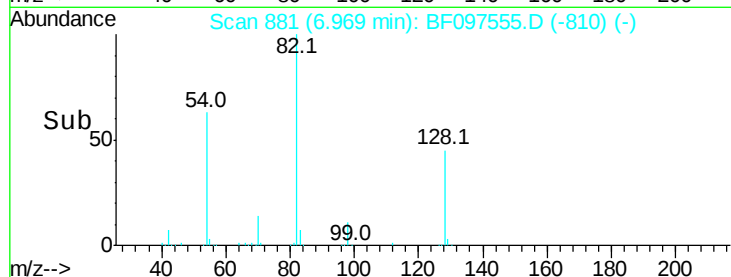
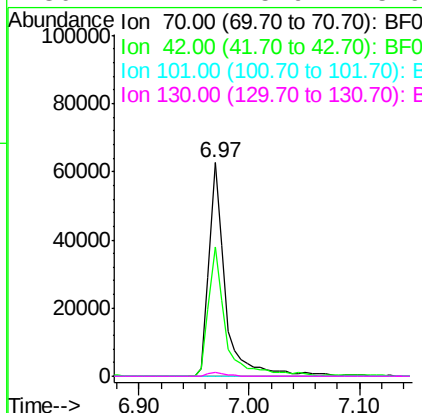
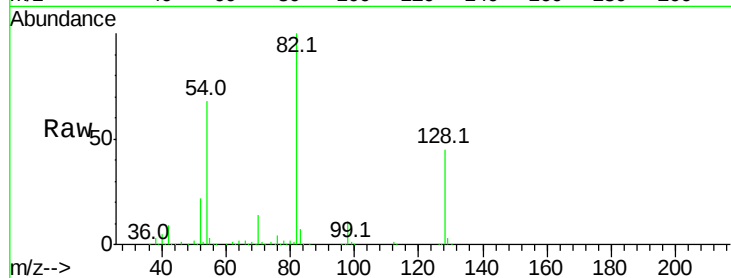




#19
n-Nitroso-di-n-propylamine
Concen: 10.941 ng
RT: 6.97 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

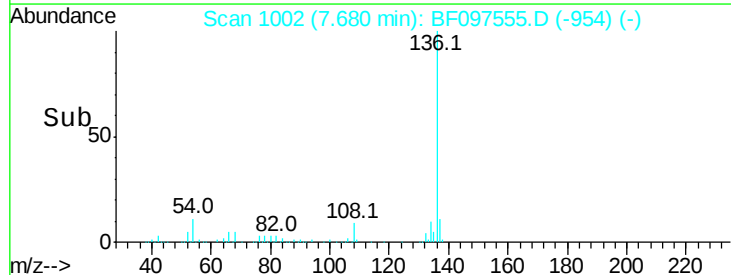
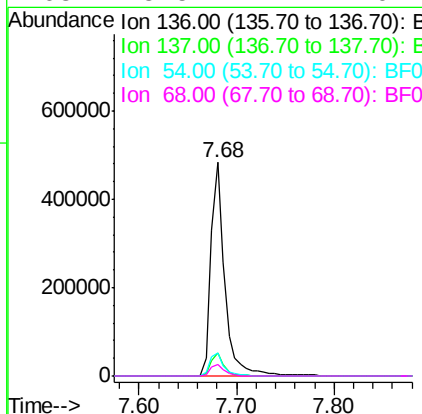
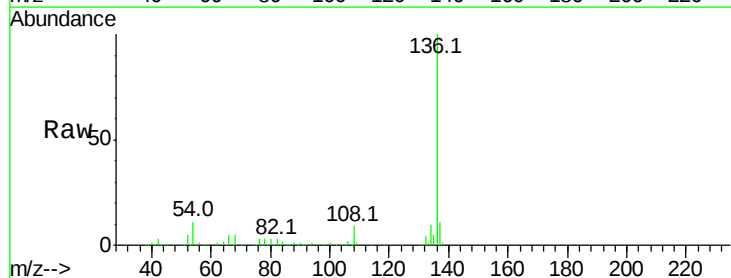
Instrument :
BNA_F
ClientSampled :

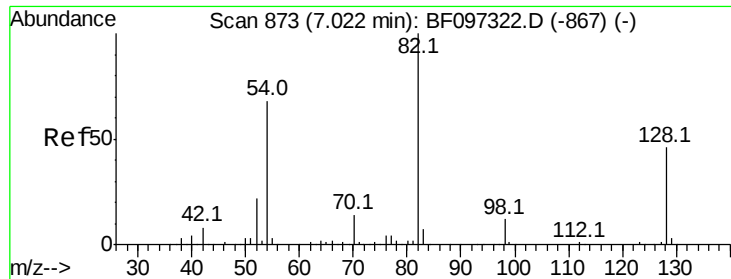
Tot Ion: 70 Resp: 62781
Ion Ratio Lower Upper
70 100
42 60.7 47.2 70.8
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Tgt Ion: 136 Resp: 477340
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.7 4.9 7.3#
68 5.5 4.1 6.1

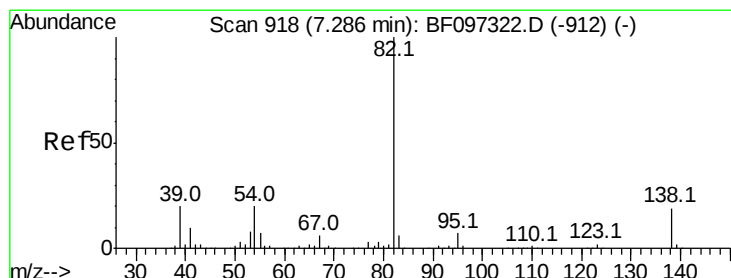
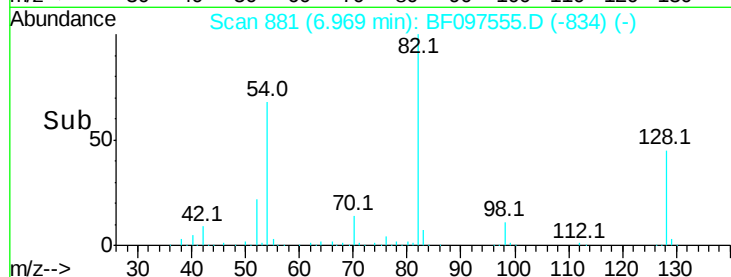
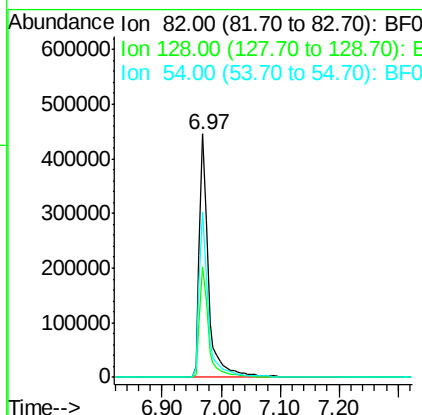
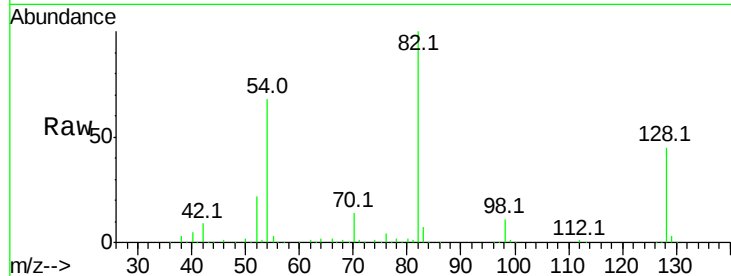




#23
 Nitrobenzene-d5
 Concen: 57.933 ng
 RT: 6.97 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

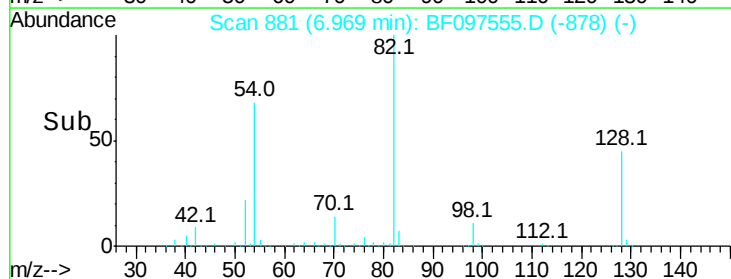
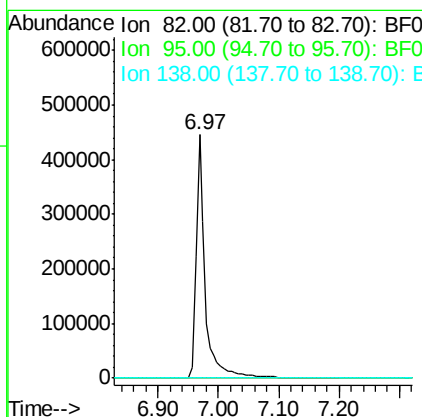
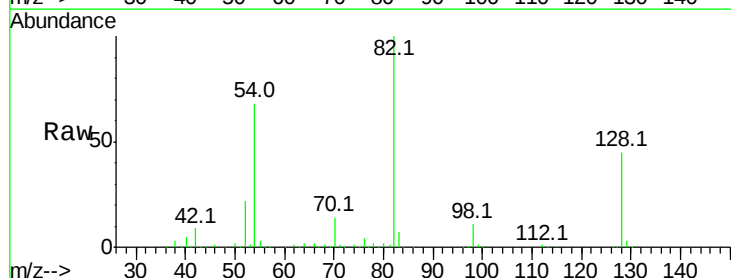
Instrument :
 BNA_F
 ClientSampleId :

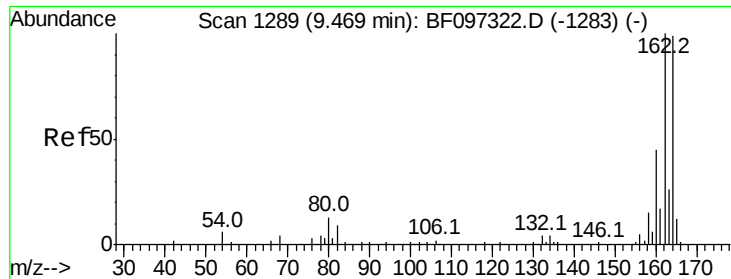
Tot Ion	82	Resp	471389
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.0	51.0
54	68.1	42.2	63.2#



#25
 Isophorone
 Concen: 29.582 ng
 RT: 6.97 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

Tgt Ion	82	Resp	471386
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

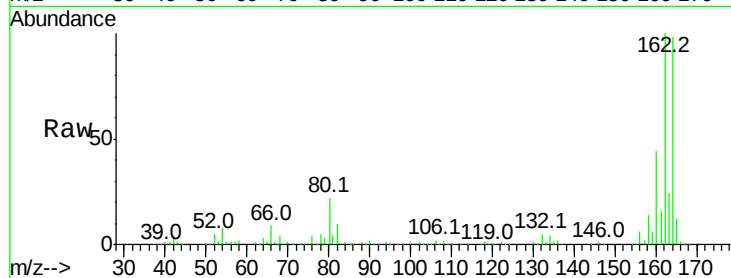




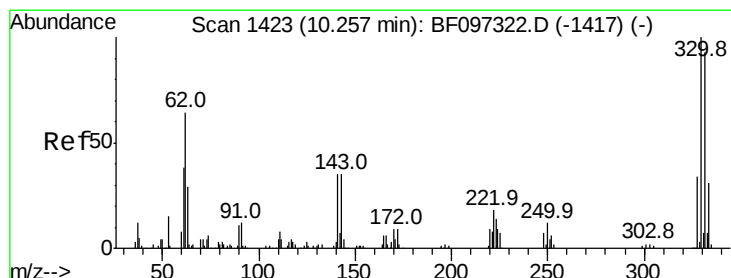
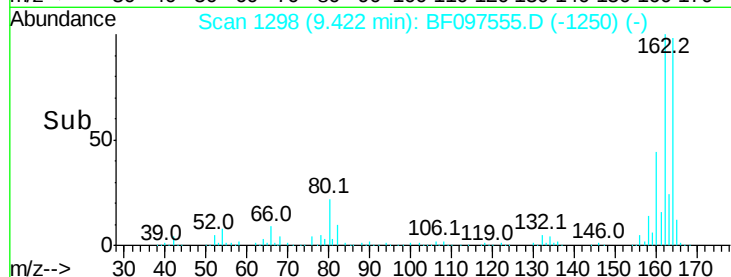
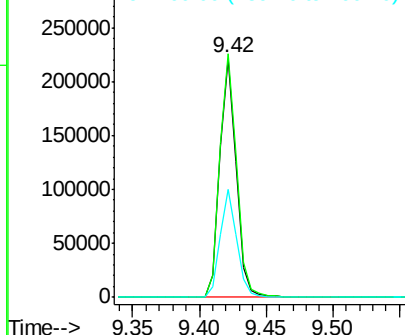
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 195191
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 45.3 36.2 54.2

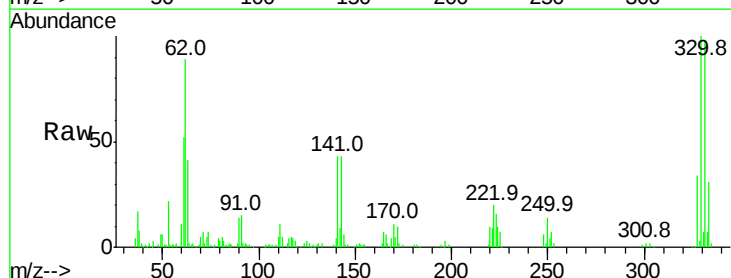


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

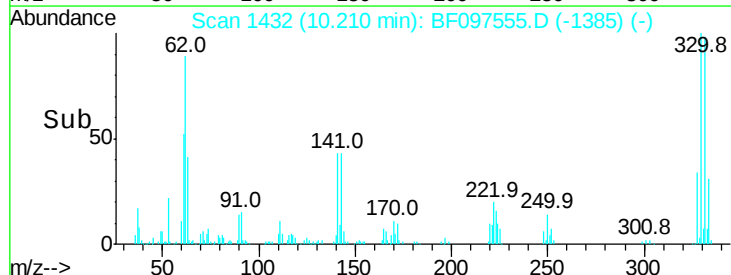
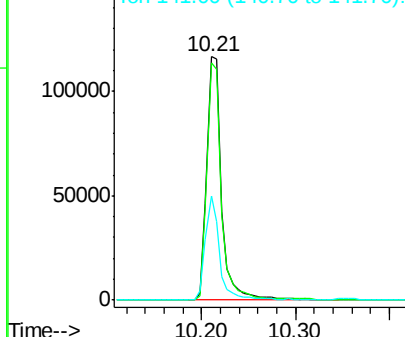


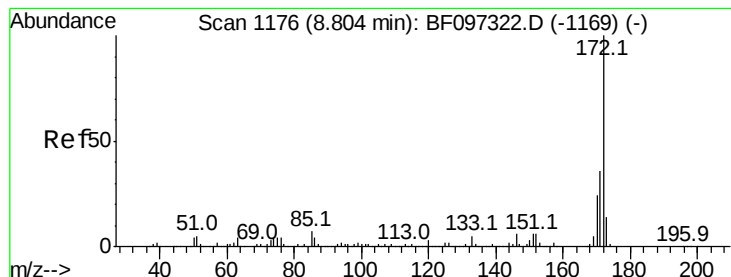
#41
 2,4,6-Tribromophenol
 Concen: 84.805 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

Tgt Ion:330 Resp: 130786
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 40.3 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

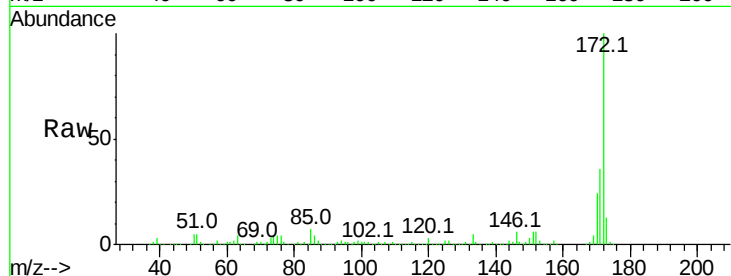




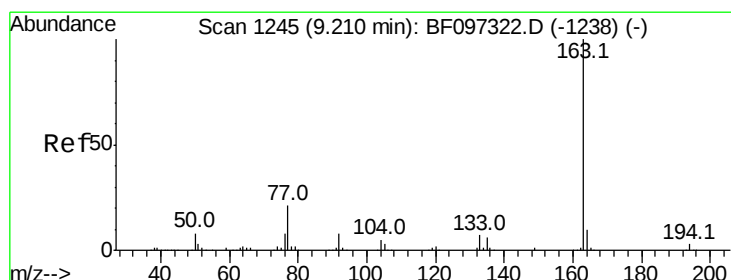
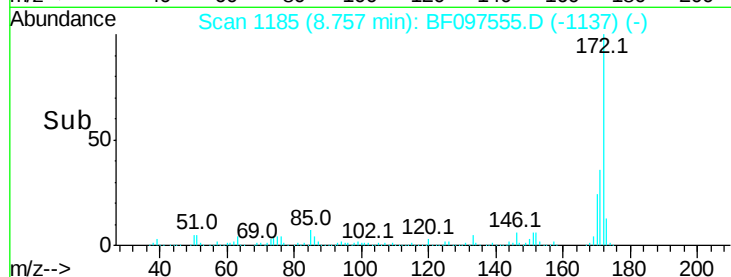
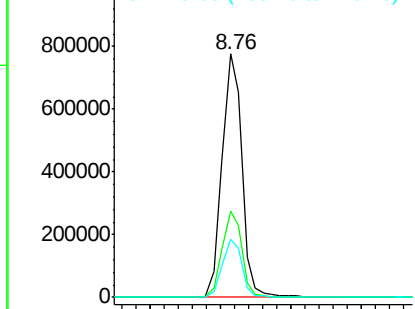
#44
 2-Fluorobiphenyl
 Concen: 66.232 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.0	19.8	29.8

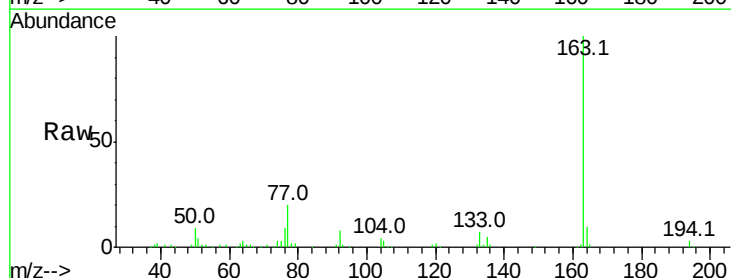


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

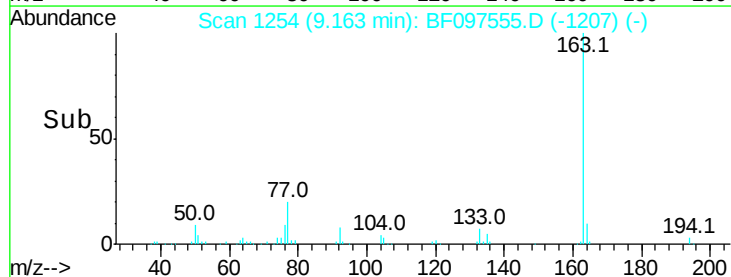
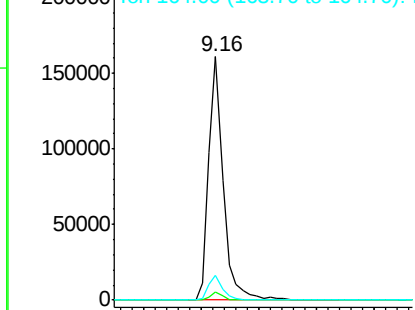


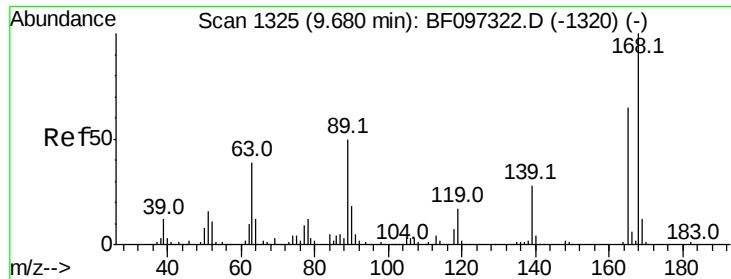
#49
 Dimethylphthalate
 Concen: 9.598 ng
 RT: 9.16 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	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

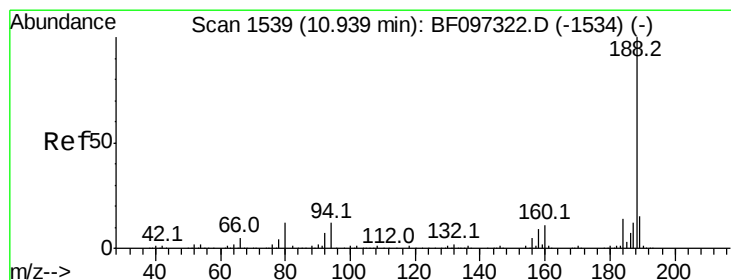
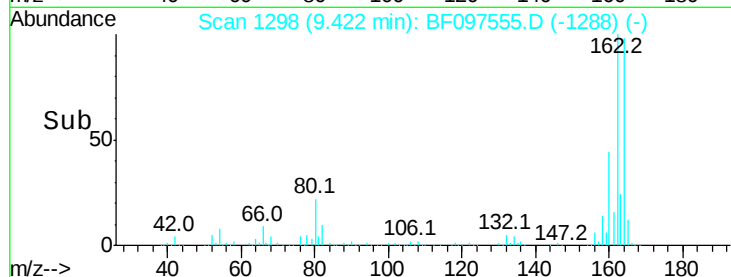
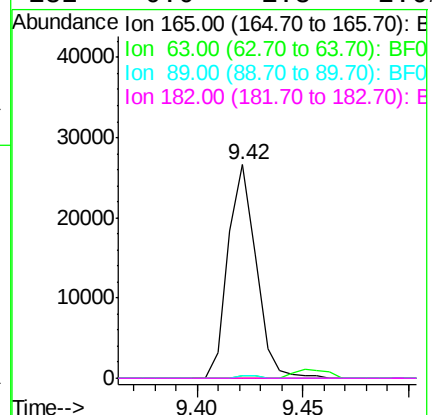
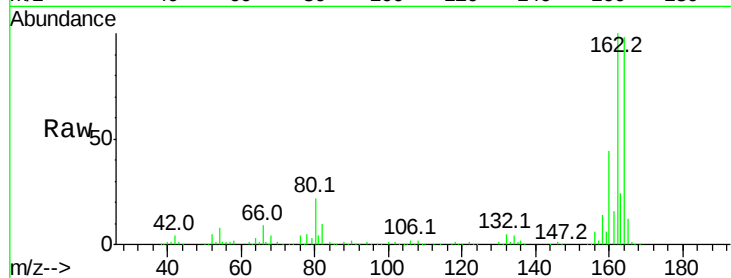




#56
 2,4-Dinitrotoluene
 Concen: 6.771 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

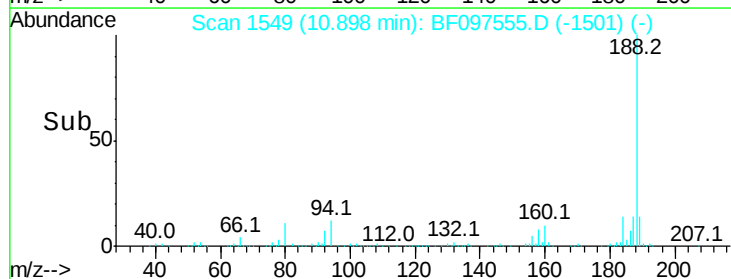
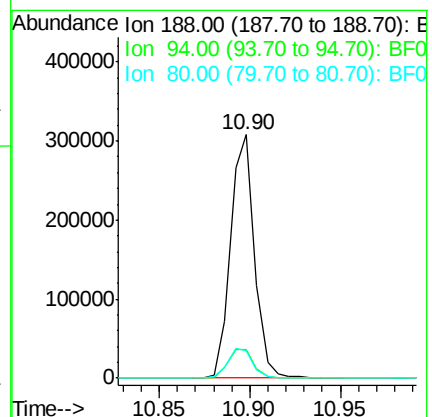
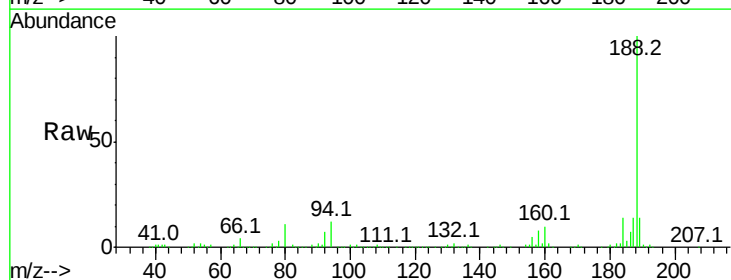
Instrument :
 BNA_F
 ClientSampleId :

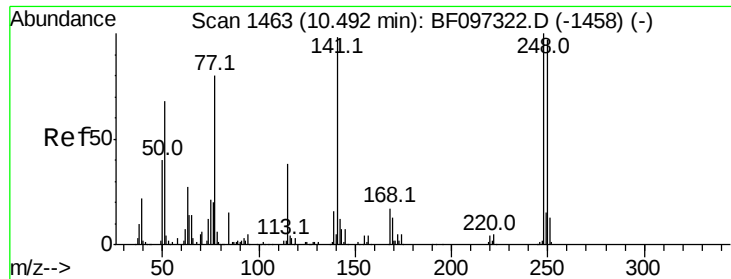
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097555.D
 Acq: 10 Aug 2017 11:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	11.2	10.2	15.2

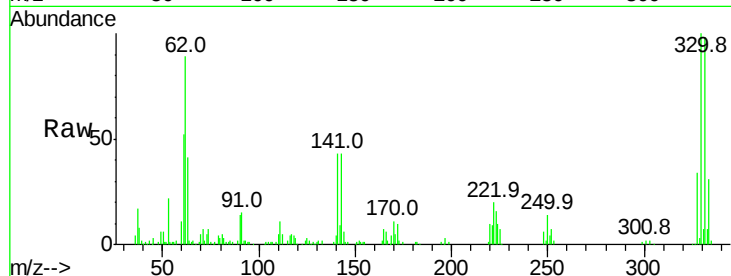




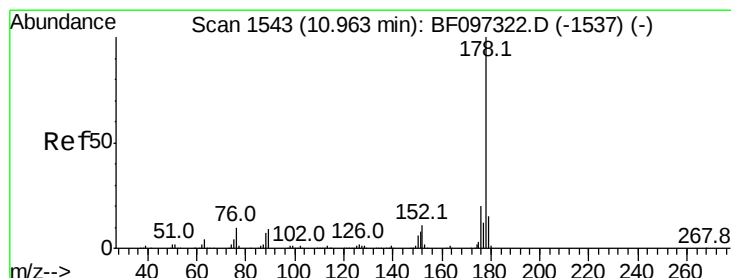
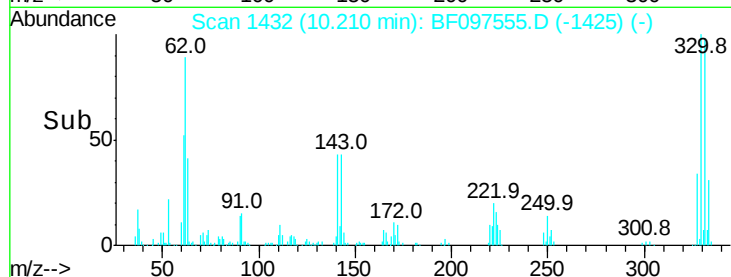
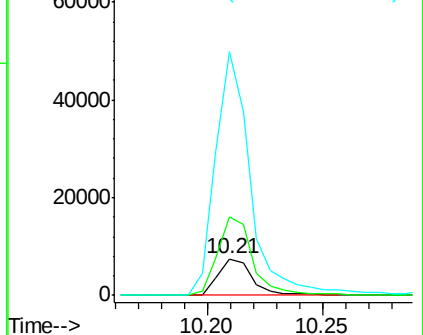
#66
4-Bromophenyl-phenylether
Concen: 2.750 ng
RT: 10.21 min Scan# 1432
Delta R.T. -0.26 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7745
Ion Ratio Lower Upper
248 100
250 212.8 76.8 115.2#
141 661.3 68.6 103.0#

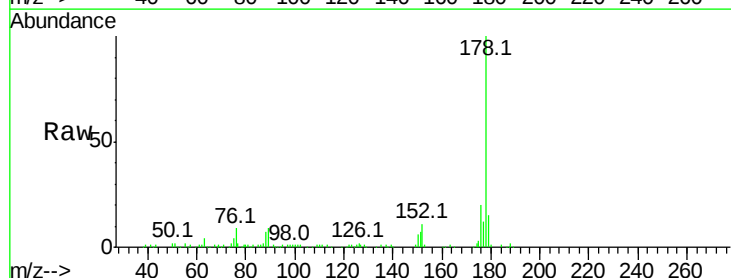


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

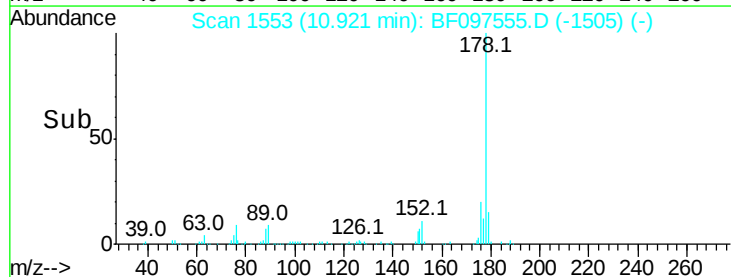
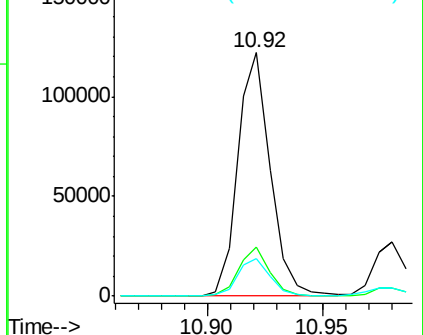


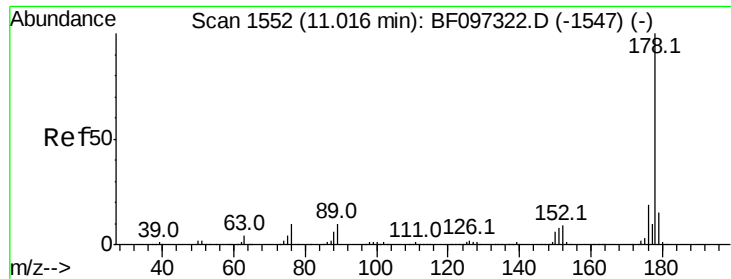
#70
Phenanthrene
Concen: 7.916 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Tgt Ion:178 Resp: 119692
Ion Ratio Lower Upper
178 100
176 20.2 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: 7.729 ng

RT: 10.92 min Scan# 1553

Delta R.T. -0.07 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

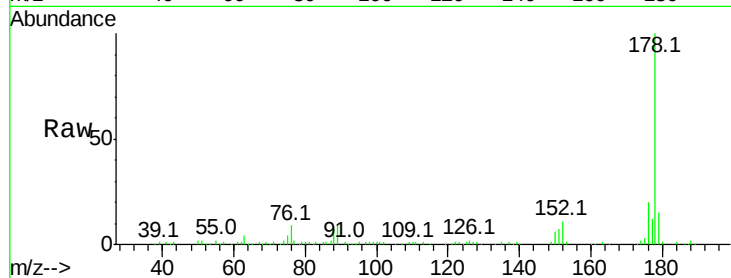
Tot Ion:178 Resp: 119692

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

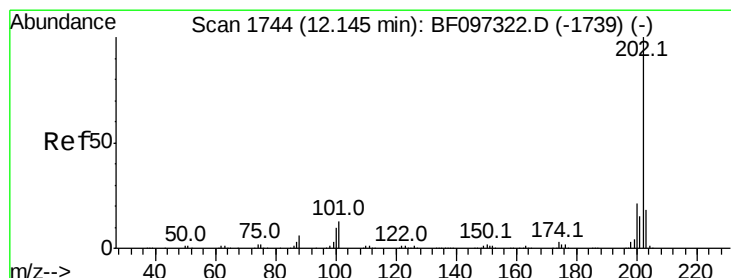
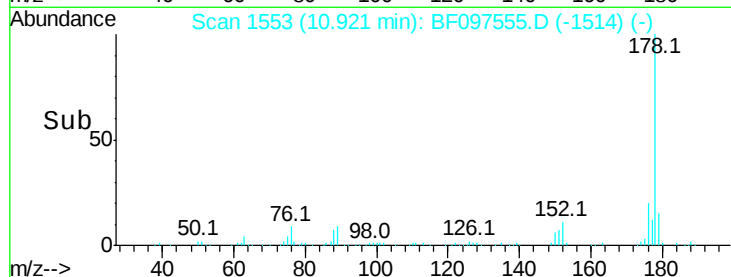
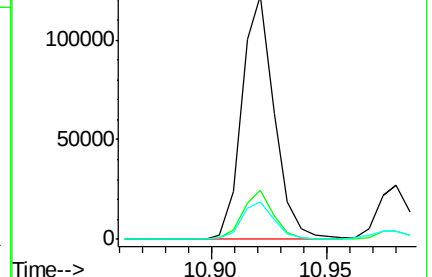
179 15.3 12.7 19.1



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



#74

Fluoranthene

Concen: 10.230 ng

RT: 12.10 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

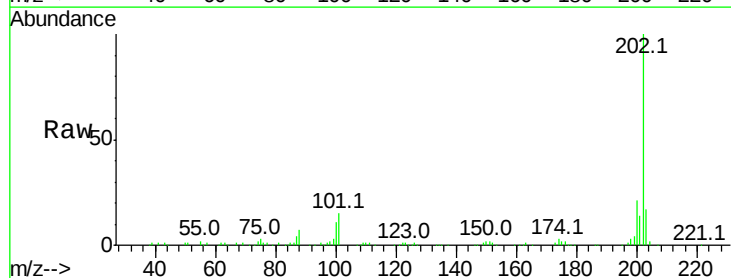
Tgt Ion:202 Resp: 151531

Ion Ratio Lower Upper

202 100

101 15.1 0.0 33.2

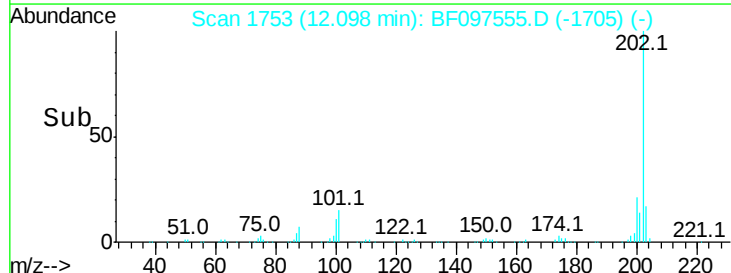
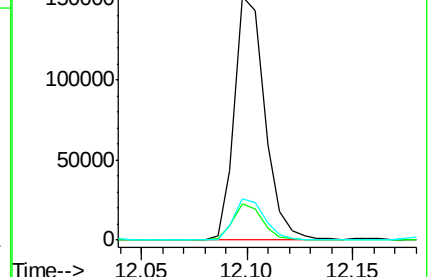
203 17.2 0.0 38.1

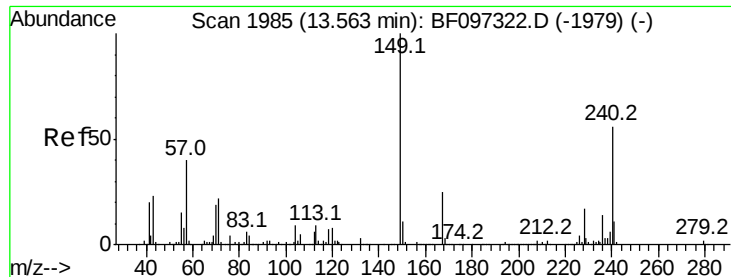


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleID :

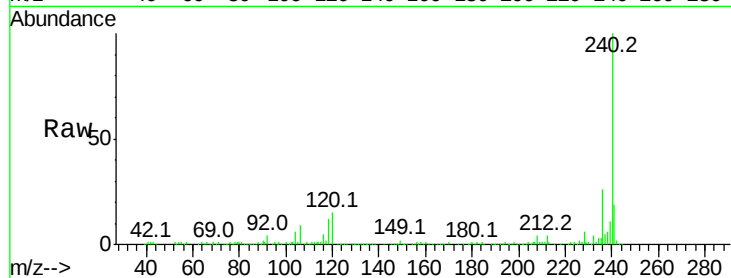
Tot Ion:240 Resp: 205981

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

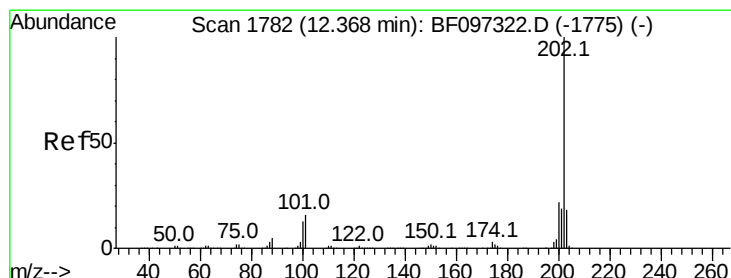
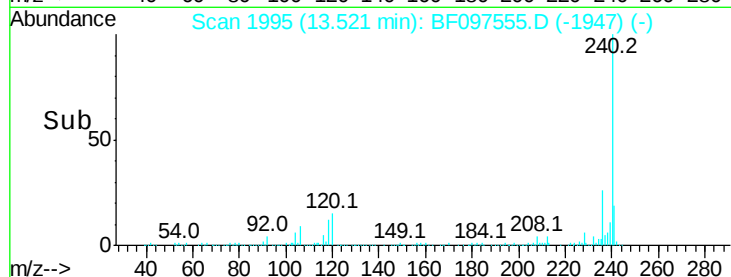
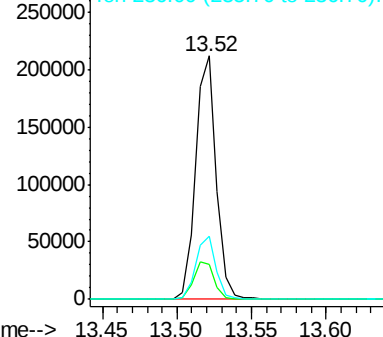
236 26.0 20.5 30.7



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: 7.752 ng

RT: 12.33 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

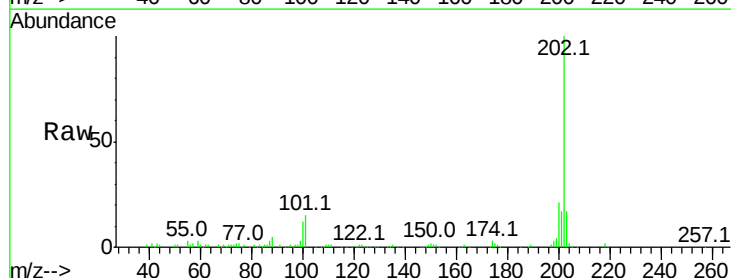
Tgt Ion:202 Resp: 130726

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

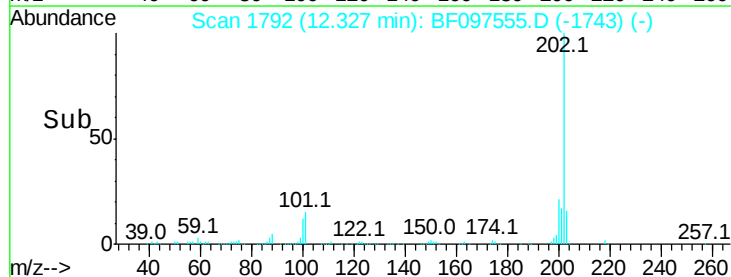
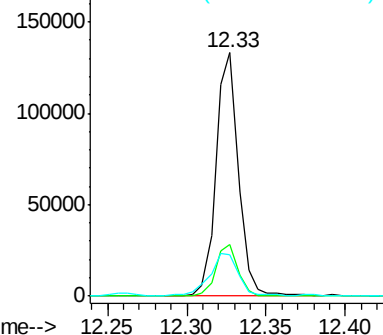
203 16.8 14.4 21.6

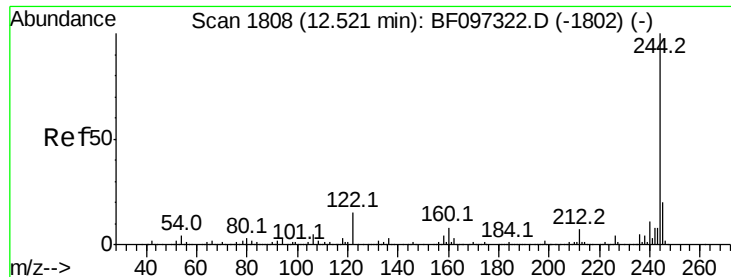


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.511 ng

RT: 12.47 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

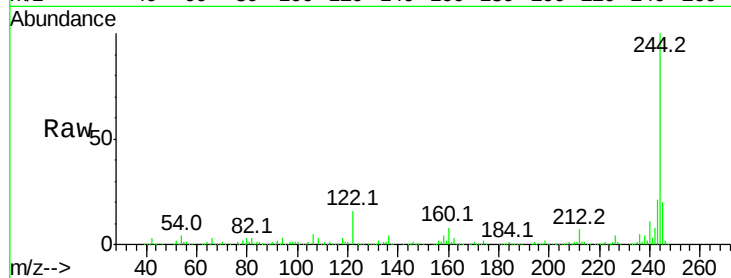
Tot Ion:244 Resp: 439578

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

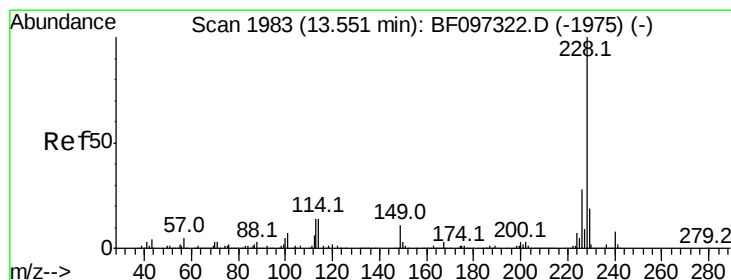
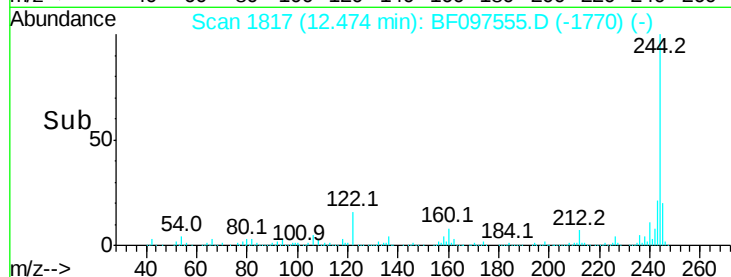
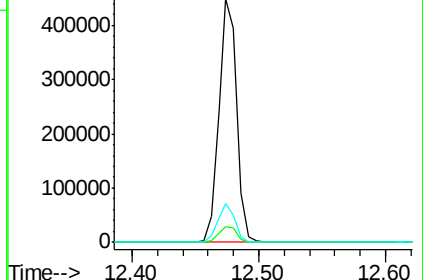
122 16.0 10.3 15.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.851 ng

RT: 13.51 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

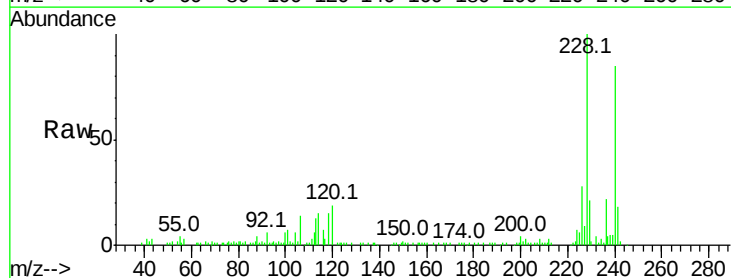
Tgt Ion:228 Resp: 64660

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

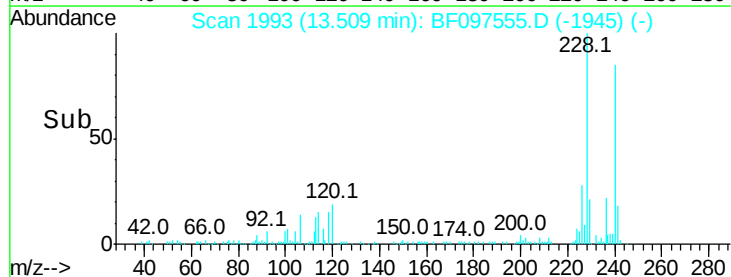
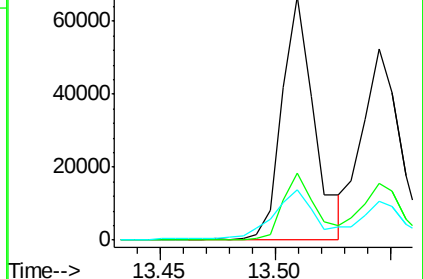
229 20.8 16.3 24.5

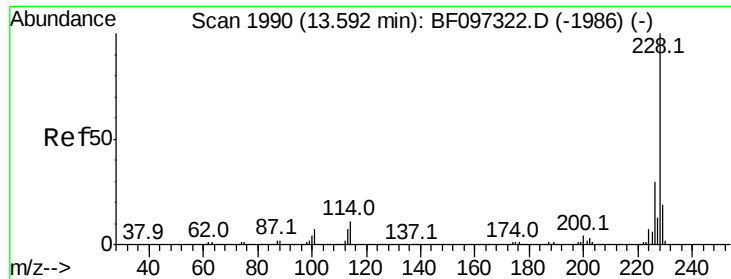


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.518 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

Instrument :

BNA_F

ClientSampled :

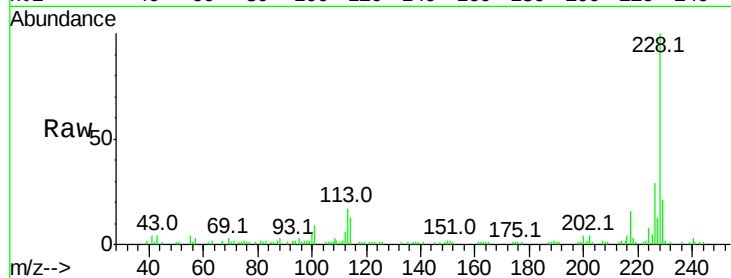
Tot Ion:228 Resp: 58793

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

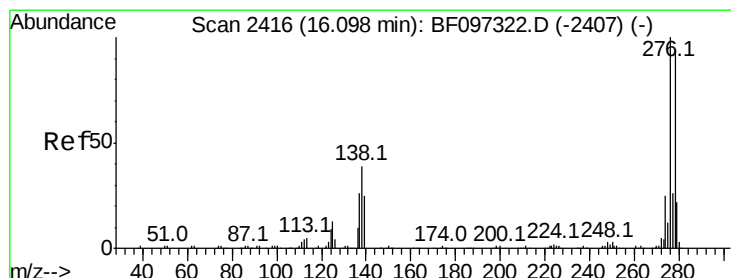
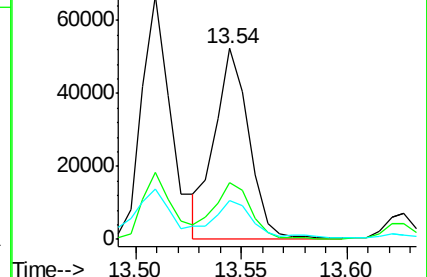
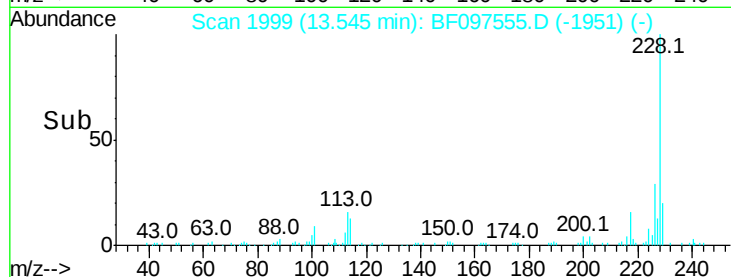
229 20.5 15.8 23.6



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: 2.366 ng

RT: 16.06 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

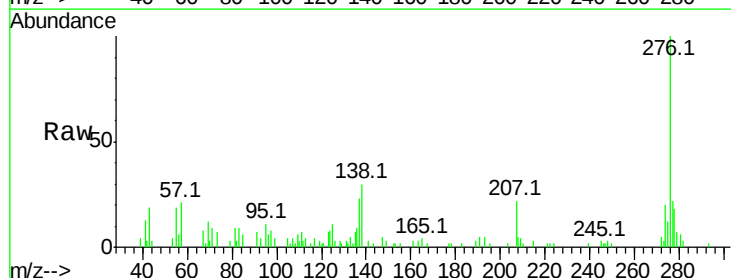
Tgt Ion:276 Resp: 26398

Ion Ratio Lower Upper

276 100

138 39.0 27.8 41.6

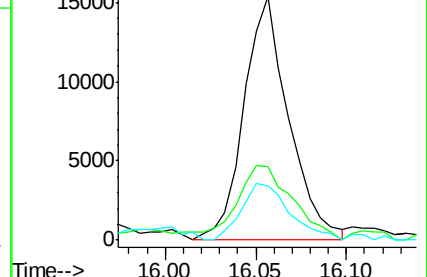
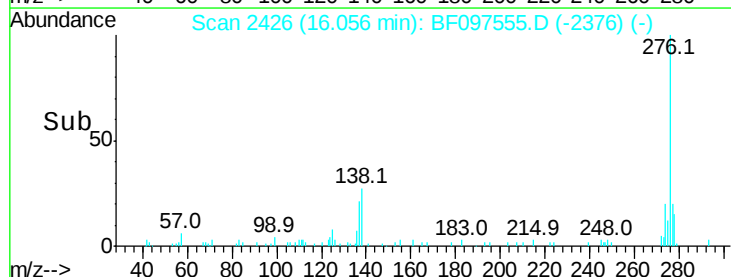
277 25.1 20.2 30.4

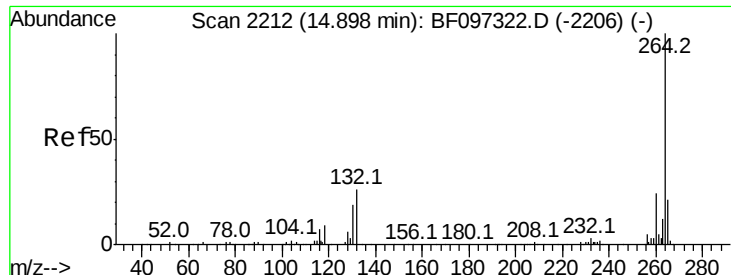


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

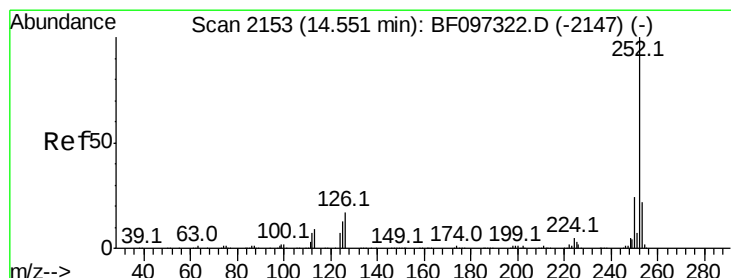
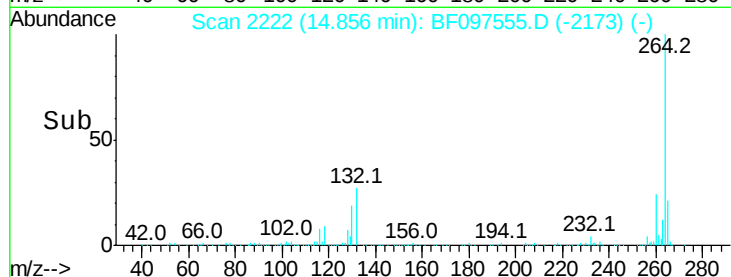
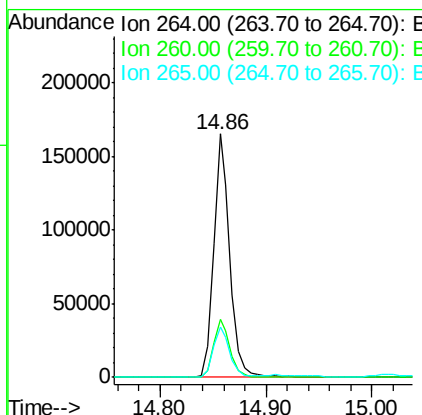
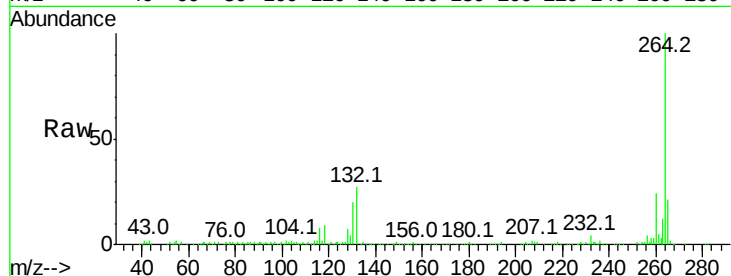




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

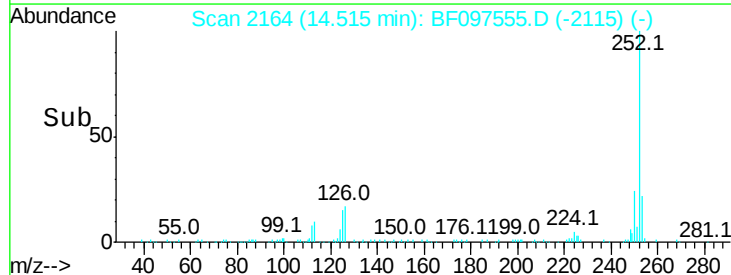
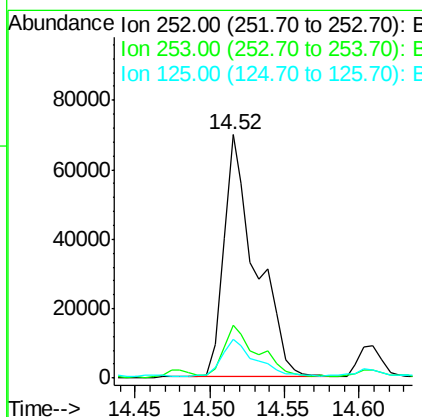
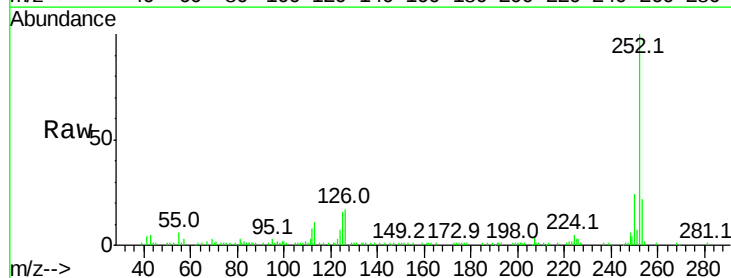
Instrument :
BNA_F
ClientSampleId :

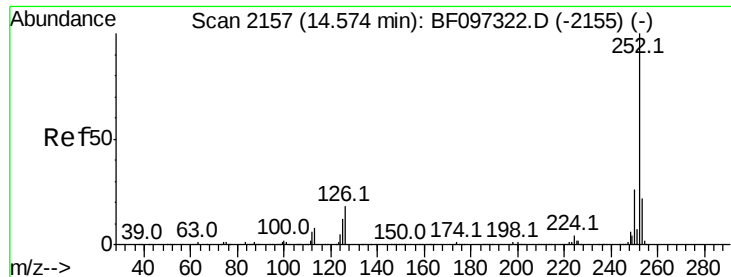
Tot Ion:264 Resp: 177435
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 20.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.726 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Tgt Ion:252 Resp: 103733
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 15.8 9.8 14.8#

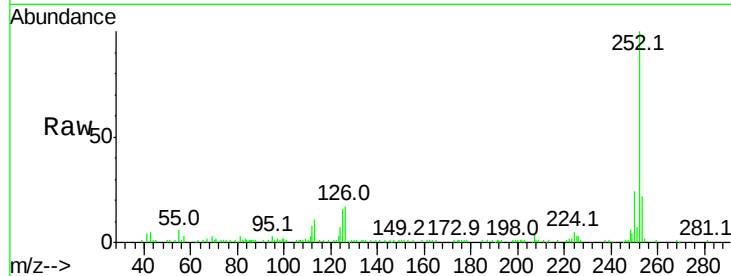




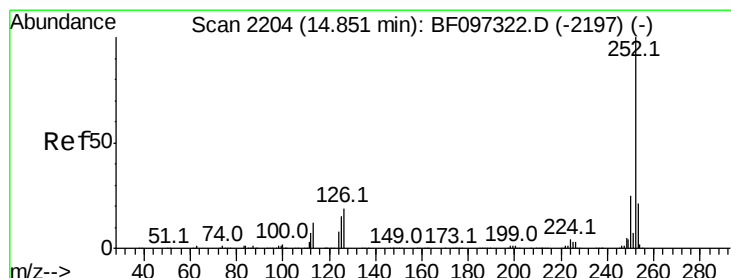
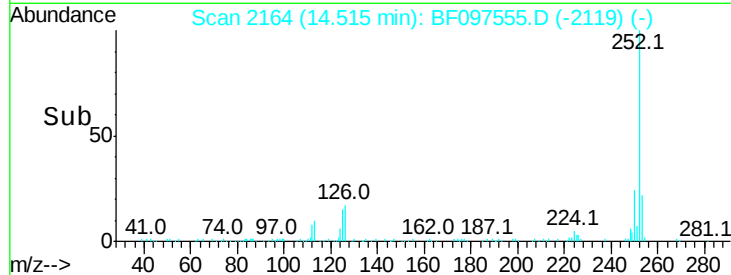
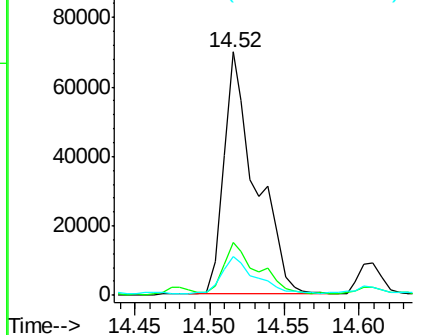
#88
Benzo(k)fluoranthene
Concen: 10.206 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 103733
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 15.8 13.1 19.7

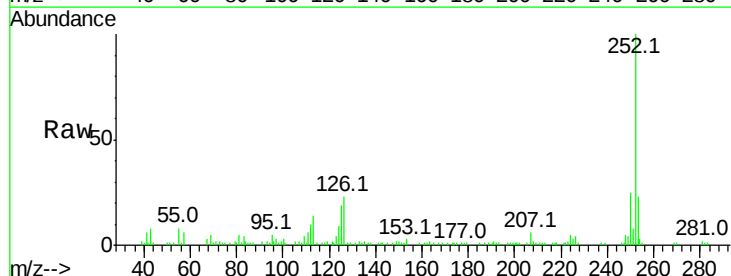


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

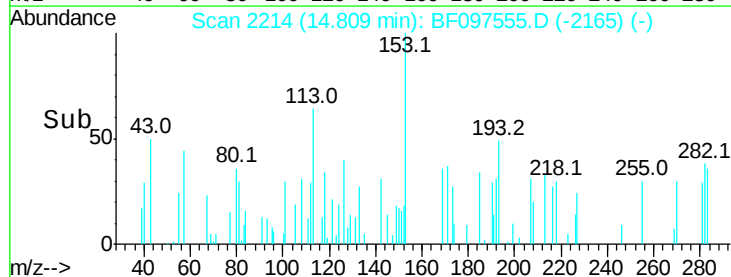
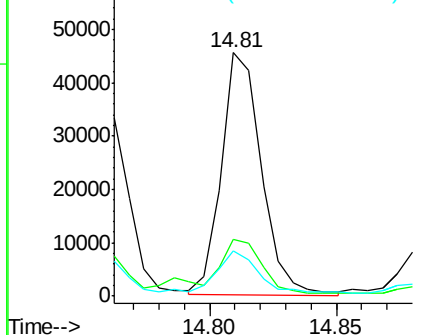


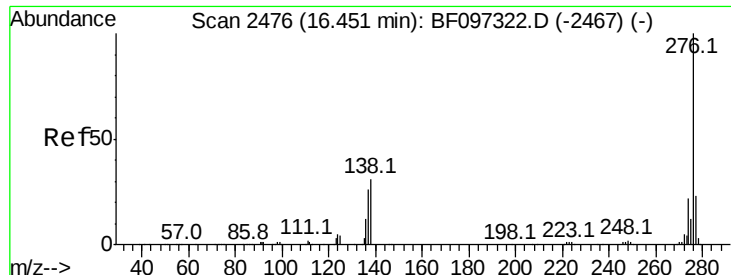
#89
Benzo(a)pyrene
Concen: 5.127 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097555.D
Acq: 10 Aug 2017 11:38

Tgt Ion:252 Resp: 50046
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 18.8 11.0 16.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.809 ng

RT: 16.40 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BF097555.D

Acq: 10 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

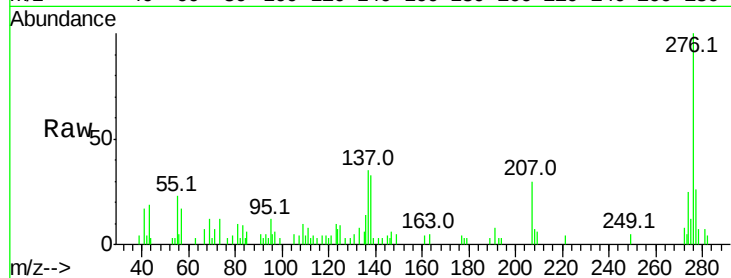
Tot Ion:276 Resp: 23579

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 33.1 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

