

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097541.D
 Acq On : 10 Aug 2017 3:07
 Operator : SJ/JU
 Sample : I4677-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-F10-BASE

Quant Time: Aug 10 04:43:05 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

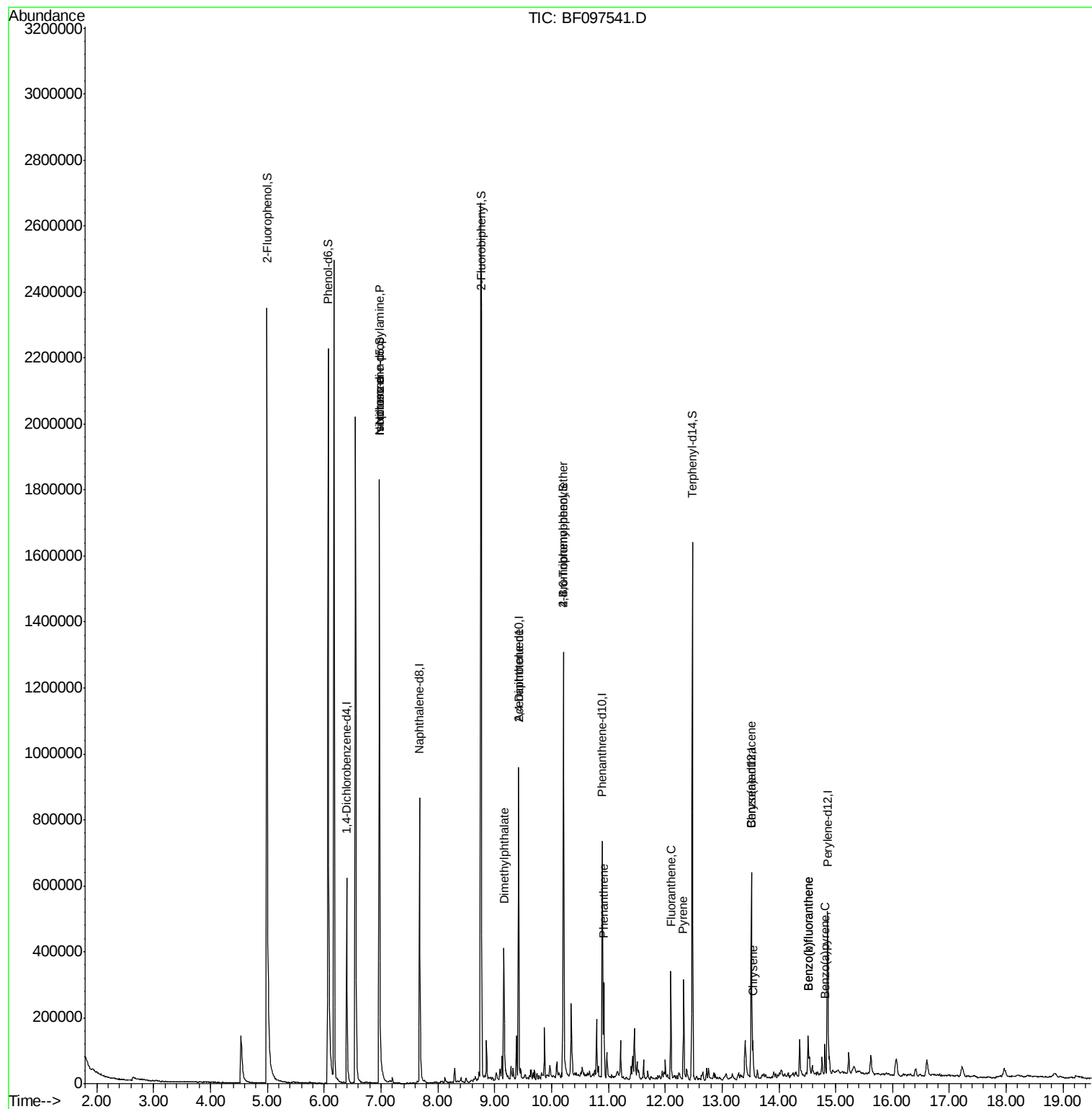
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	104647	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	440105	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	179954	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	257464	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	203103	20.00	ng	-0.02
86) Perylene-d12	14.86	264	188038	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	832186	119.88	ng	-0.01
7) Phenol-d6	6.07	99	936853	118.22	ng	-0.01
23) Nitrobenzene-d5	6.97	82	637675	85.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	147479	103.73	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	930114	87.72	ng	-0.02
78) Terphenyl-d14	12.48	244	517106	51.91	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.97	70	85109	16.32	ng	# 85
25) Isophorone	6.97	82	637671	43.40	ng	# 67
49) Dimethylphthalate	9.16	163	162112	11.86	ng	98
56) 2,4-Dinitrotoluene	9.42	165	23215	6.97	ng	# 34
66) 4-Bromophenyl-phenylether	10.21	248	9520	3.71	ng	# 1
70) Phenanthrene	10.92	178	123197	8.93	ng	99
74) Fluoranthene	12.10	202	126082	9.33	ng	97
77) Pyrene	12.32	202	116117	6.98	ng	98
80) Benzo(a)anthracene	13.51	228	43704	3.33	ng	97
82) Chrysene	13.54	228	38628	3.01	ng	97
87) Benzo(b)fluoranthene	14.52	252	62562	5.53	ng	# 95
88) Benzo(k)fluoranthene	14.52	252	62562	5.81	ng	98
89) Benzo(a)pyrene	14.81	252	35723	3.45	ng	98

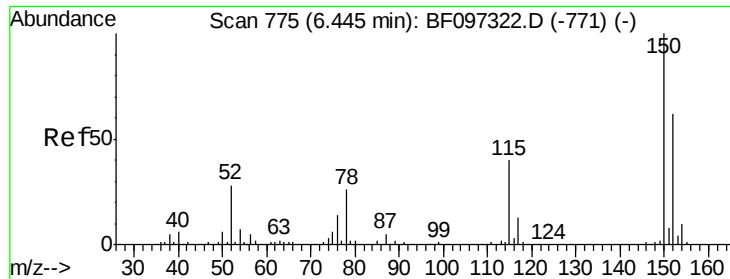
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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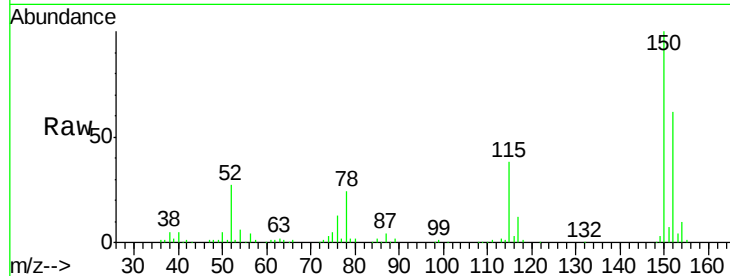


#1

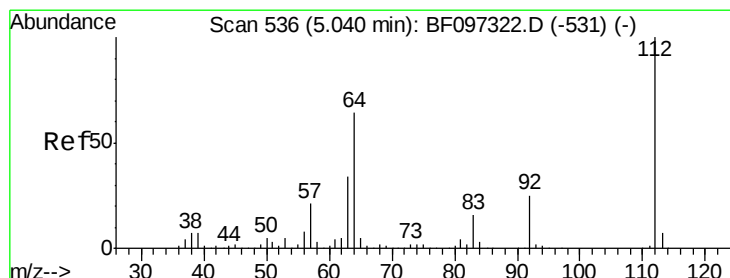
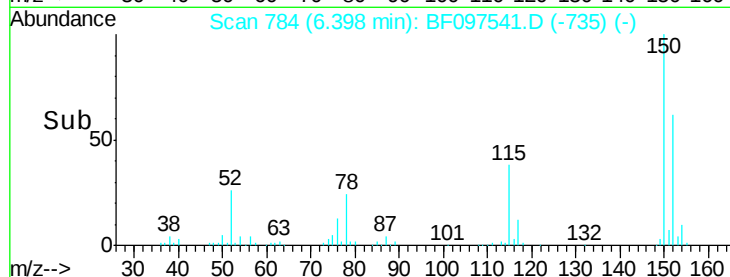
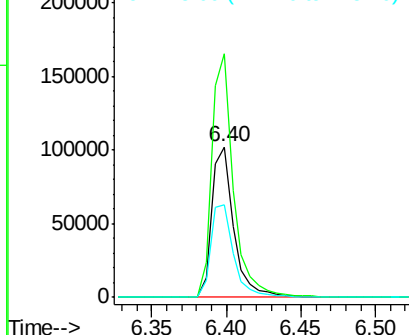
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Tot Ion:152 Resp: 104647
Ion Ratio Lower Upper
152 100
150 161.9 126.2 189.2
115 61.9 52.2 78.2



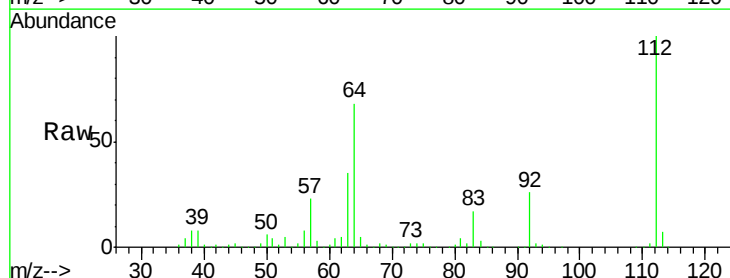
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



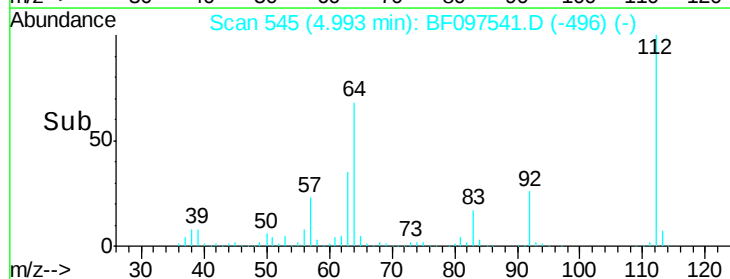
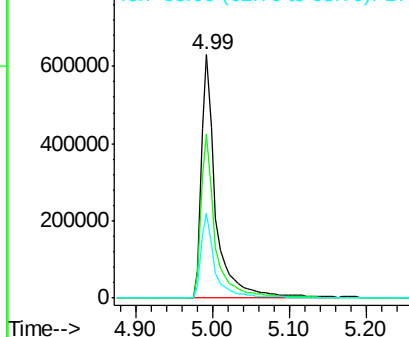
#5

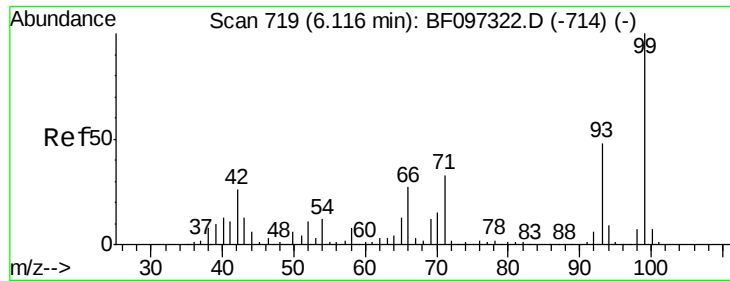
2-Fluorophenol
Concen: 119.88 ng
RT: 4.99 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:112 Resp: 832186
Ion Ratio Lower Upper
112 100
64 67.6 46.0 69.0
63 35.1 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: 118.22 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-F10-BASE

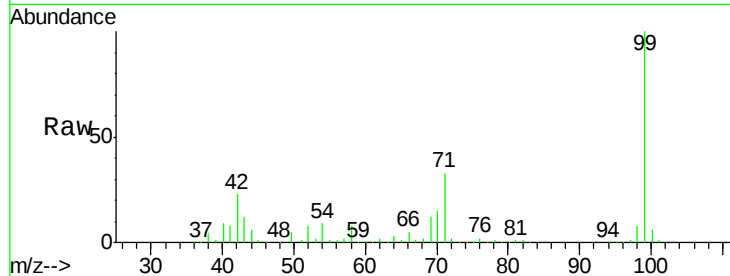
Tot Ion: 99 Resp: 936853

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

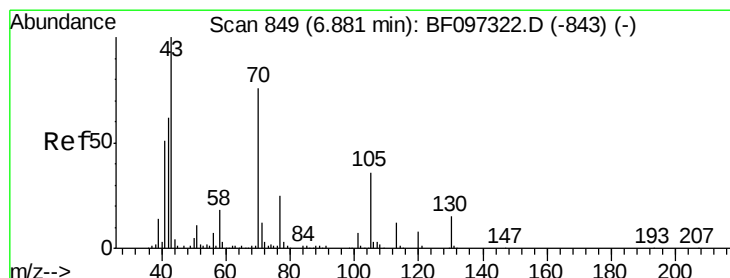
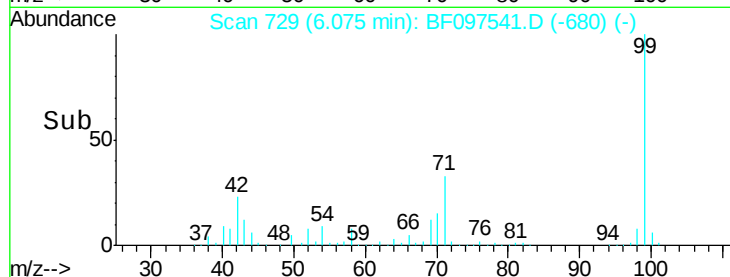
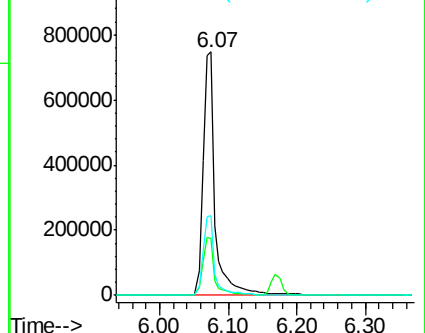
71 32.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.32 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

Tgt Ion: 70 Resp: 85109

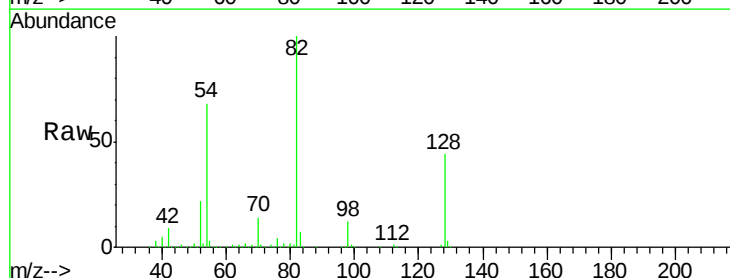
Ion Ratio Lower Upper

70 100

42 62.6 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

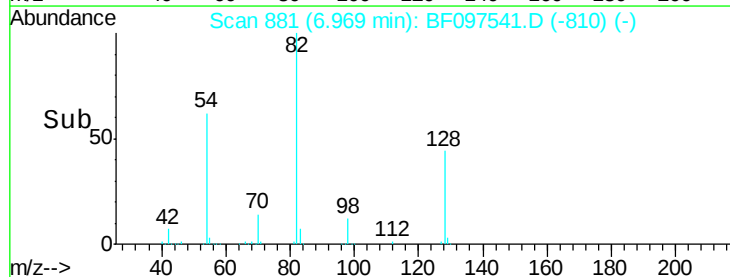
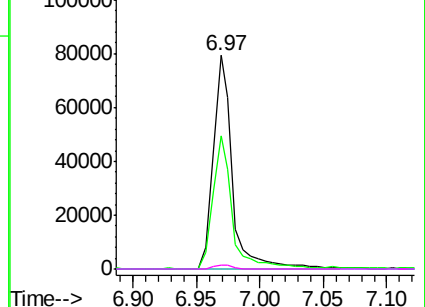


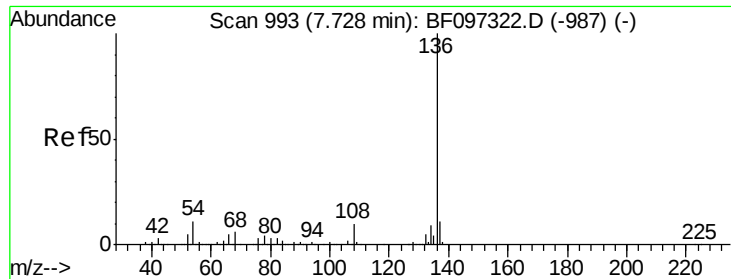
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

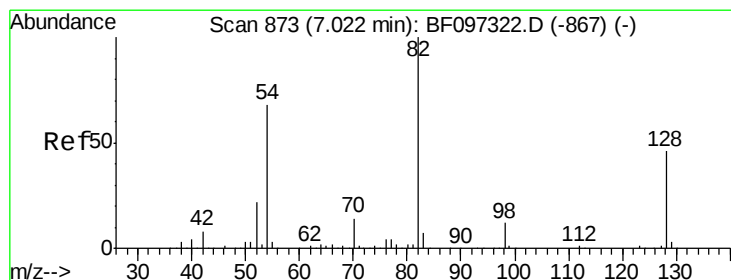
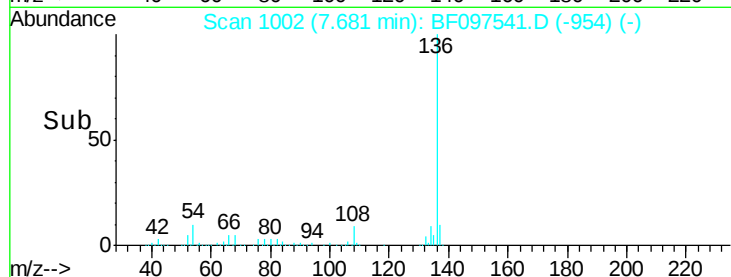
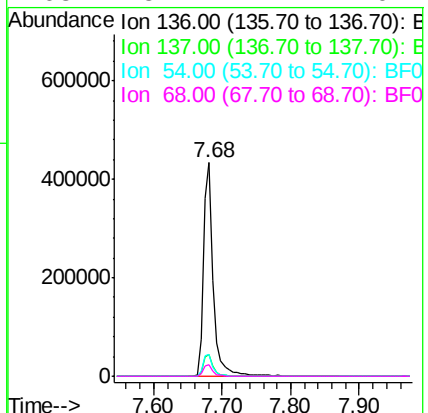
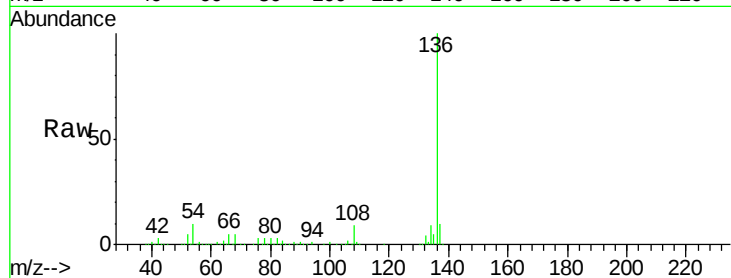




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

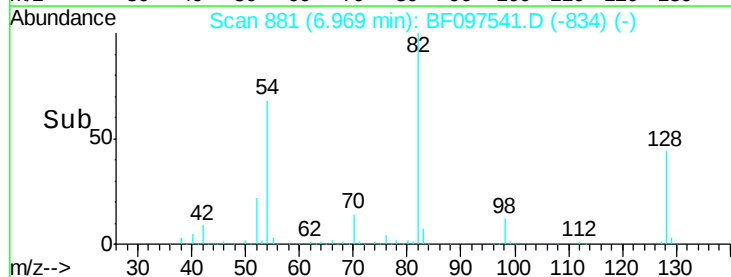
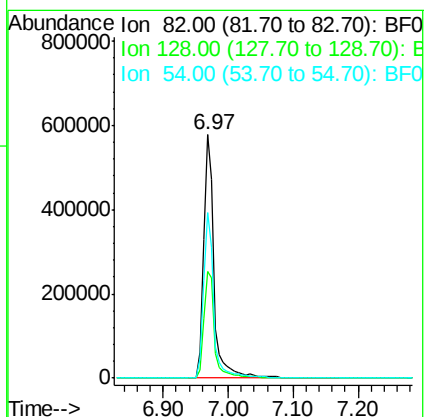
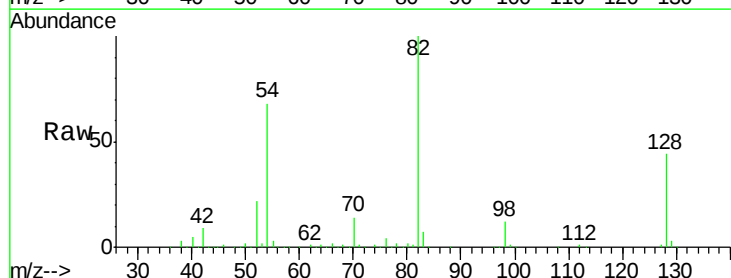
Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

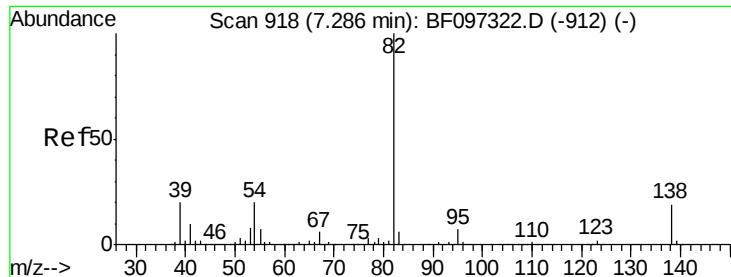
Tot Ion:136	Resp:	440105
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.5 12.7
54	10.0	4.9 7.3#
68	5.2	4.1 6.1



#23
Nitrobenzene-d5
Concen: 85.00 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion: 82	Resp:	637675
Ion Ratio	Lower	Upper
82	100	
128	44.0	34.0 51.0
54	68.1	42.2 63.2#





#25

Isophorone

Concen: 43.40 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-F10-BASE

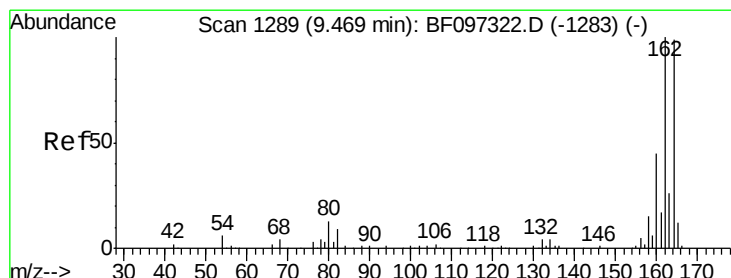
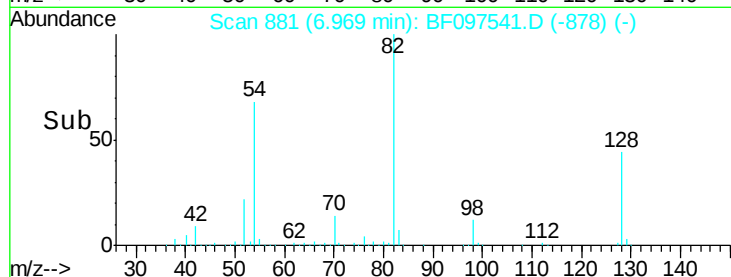
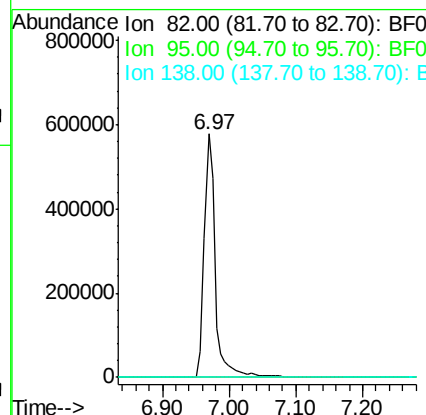
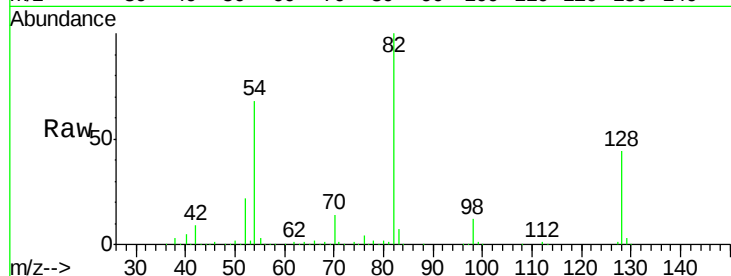
Tot Ion: 82 Resp: 637671

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

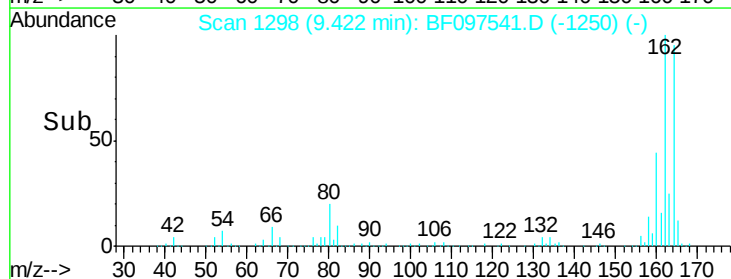
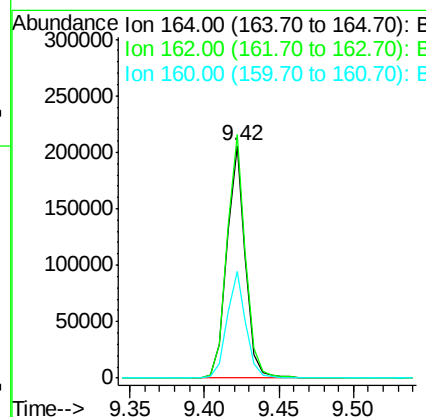
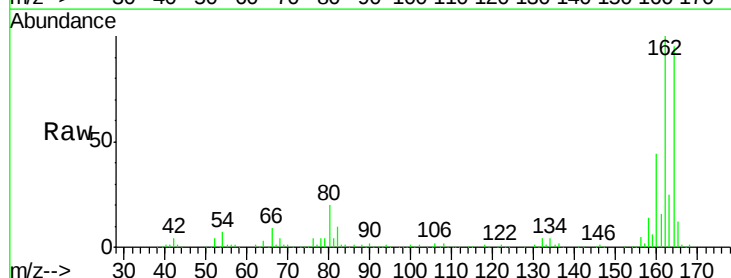
Tgt Ion: 164 Resp: 179954

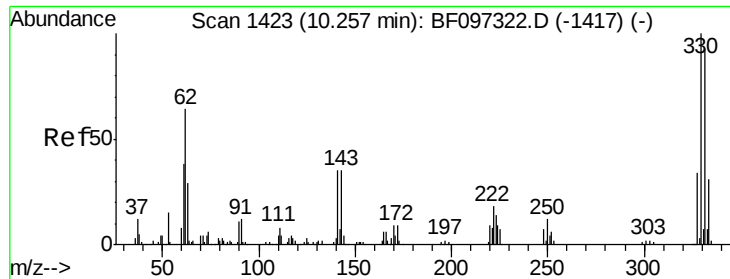
Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

160 46.1 36.2 54.2

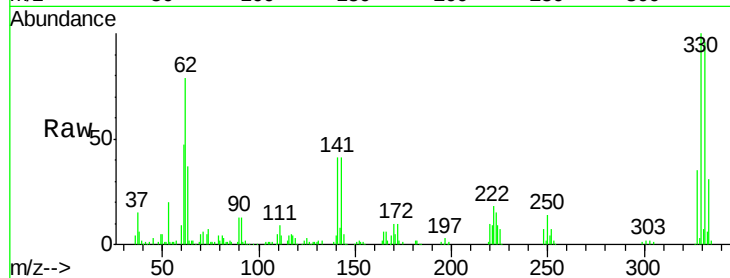




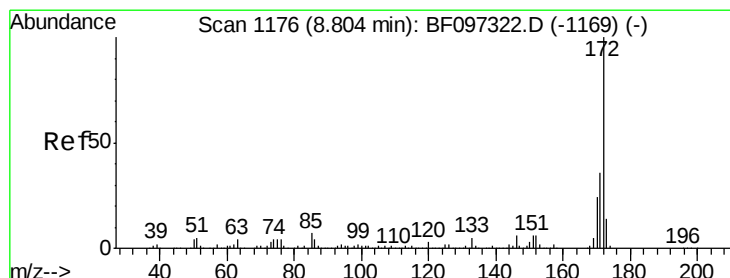
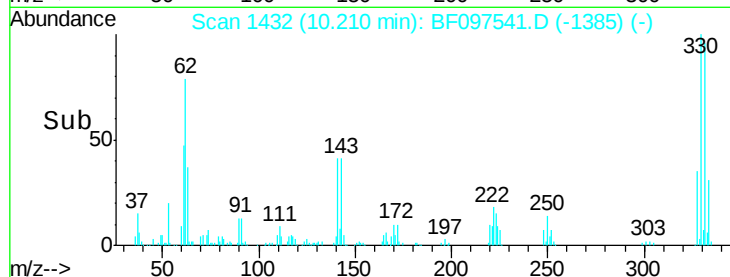
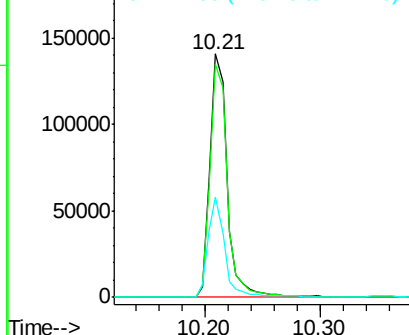
#41
 2,4,6-Tribromophenol
 Concen: 103.73 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF097541.D
 Acq: 10 Aug 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-F10-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	40.4	31.4	47.2

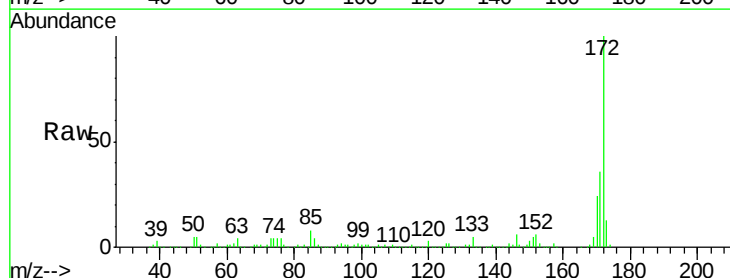


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

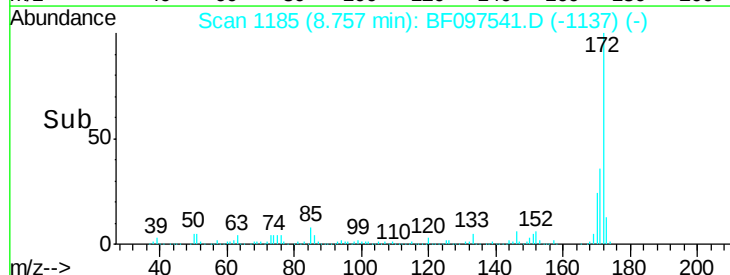
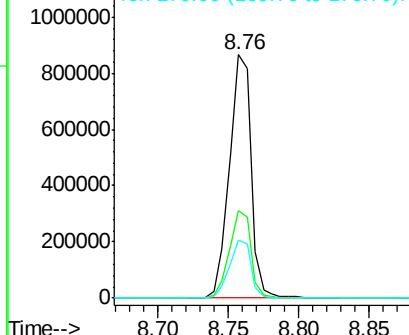


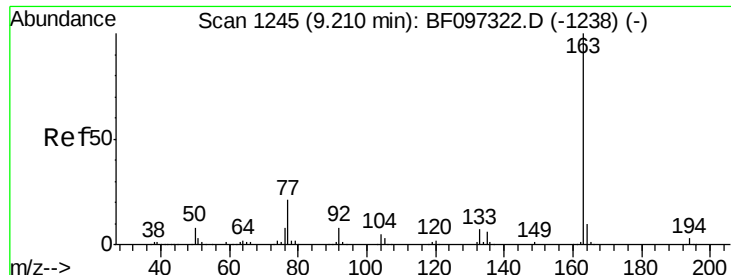
#44
 2-Fluorobiphenyl
 Concen: 87.72 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097541.D
 Acq: 10 Aug 2017 3:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

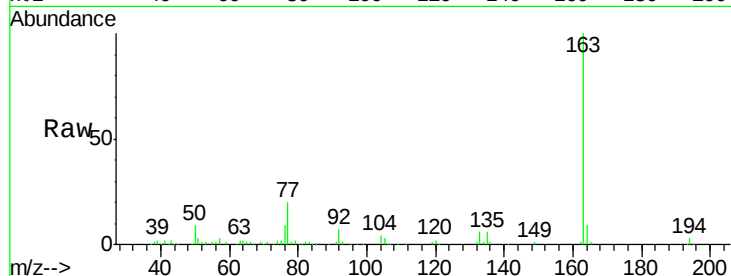




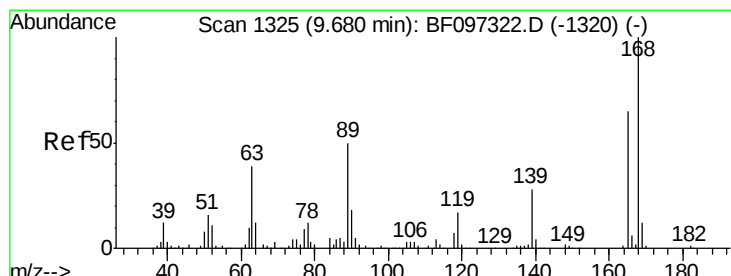
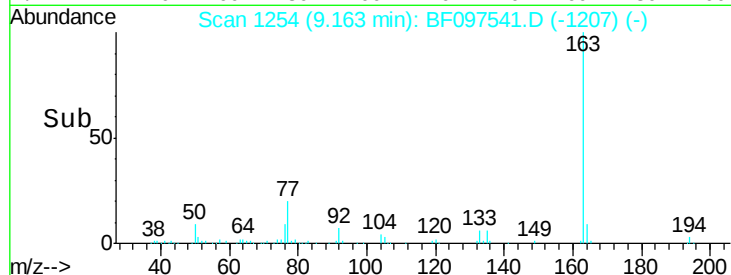
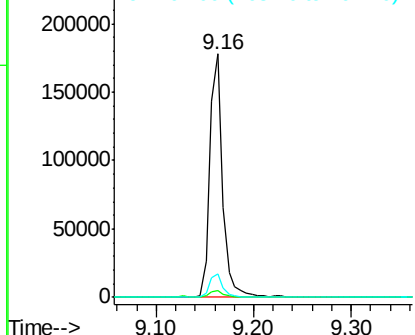
#49
 Dimethylphthalate
 Concen: 11.86 ng
 RT: 9.16 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF097541.D
 Acq: 10 Aug 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-F10-BASE

Tot Ion:	163	Resp:	162112
Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.4	8.4	12.6

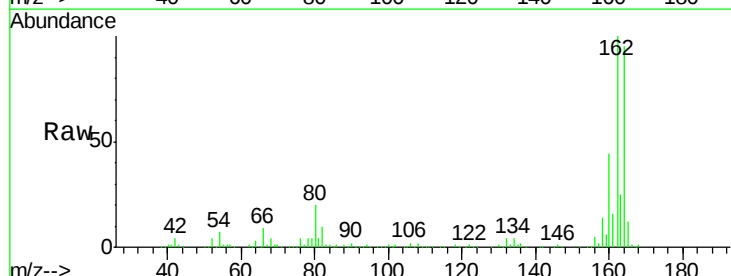


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

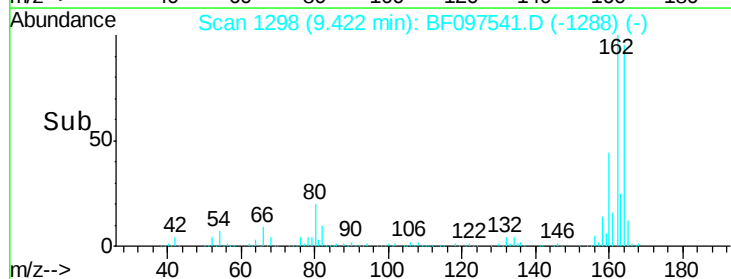
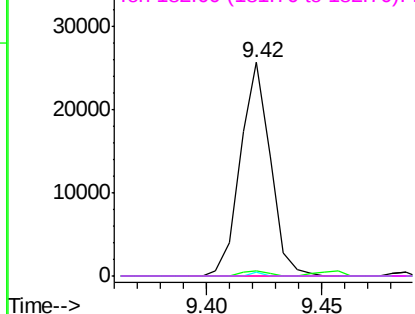


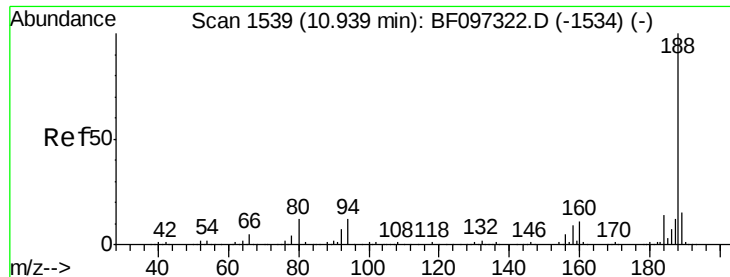
#56
 2,4-Dinitrotoluene
 Concen: 6.97 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097541.D
 Acq: 10 Aug 2017 3:07

Tgt Ion:	165	Resp:	23215
Ion	Ratio	Lower	Upper
165	100		
63	2.2	25.4	38.0#
89	1.9	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

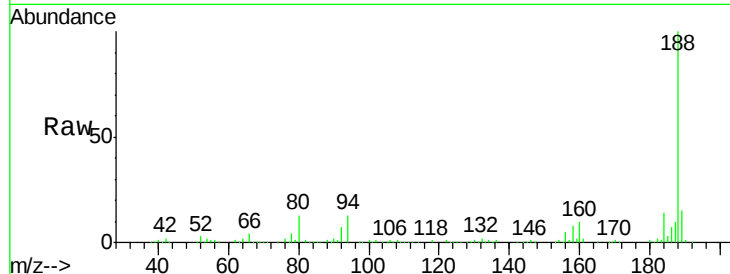




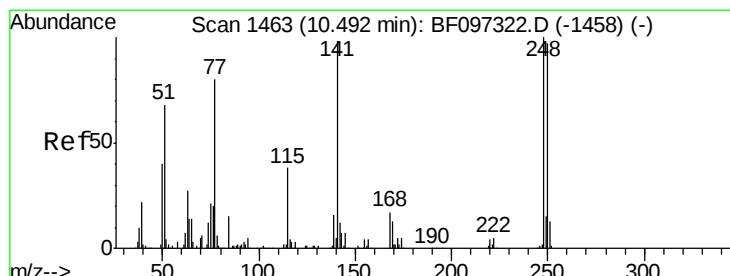
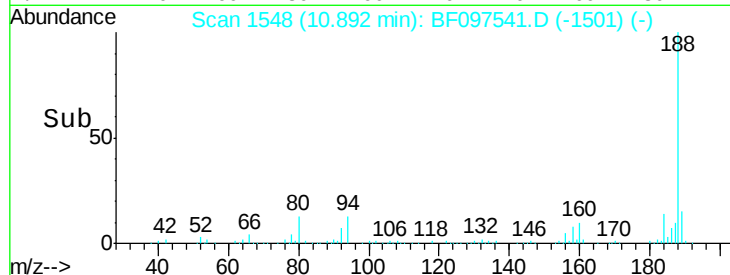
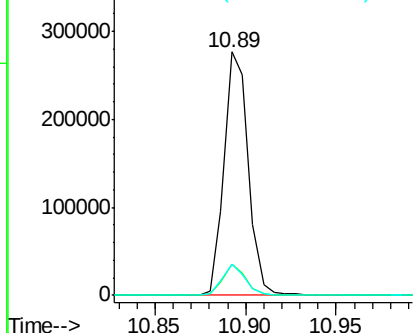
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Tot Ion:188 Resp: 257464
Ion Ratio Lower Upper
188 100
94 12.8 9.4 14.2
80 12.7 10.2 15.2

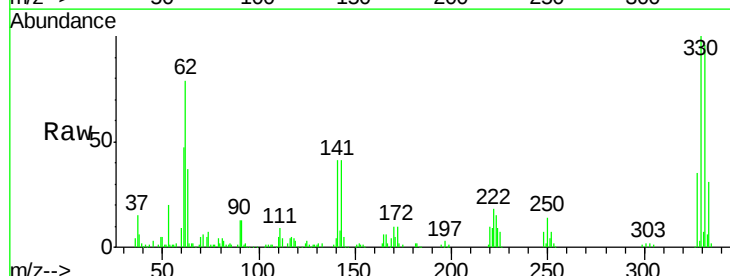


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

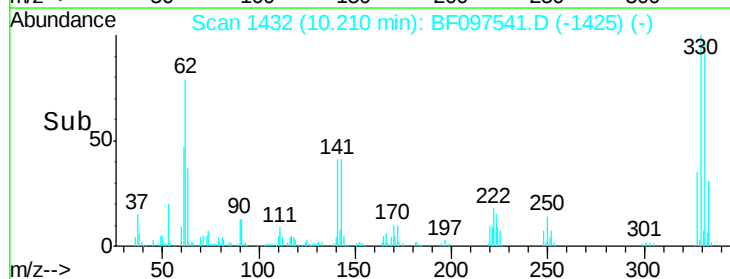
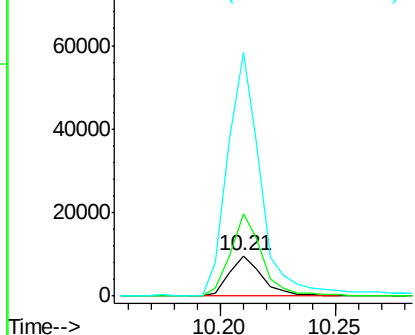


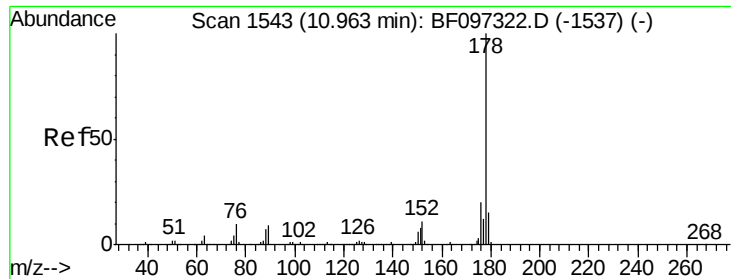
#66
4-Bromophenyl-phenylether
Concen: 3.71 ng
RT: 10.21 min Scan# 1432
Delta R.T. -0.26 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:248 Resp: 9520
Ion Ratio Lower Upper
248 100
250 202.3 76.8 115.2#
141 602.7 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: 8.93 ng

RT: 10.92 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-F10-BASE

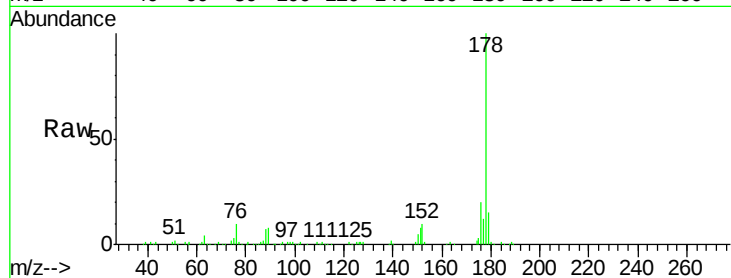
Tot Ion:178 Resp: 123197

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

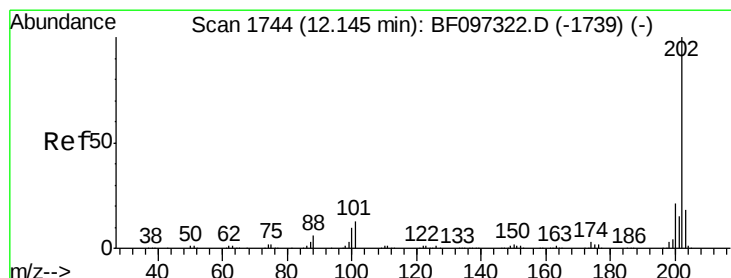
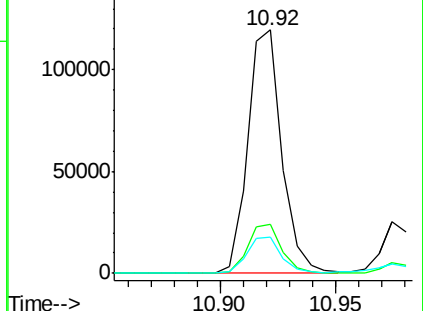
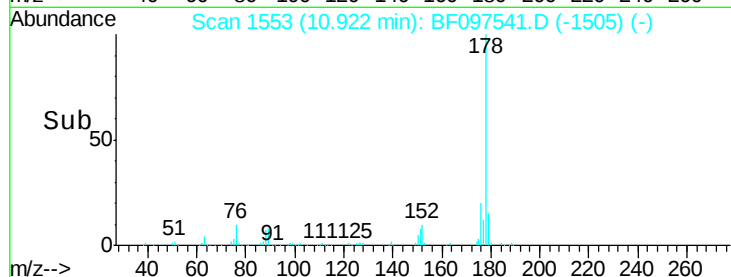
179 15.1 12.6 19.0



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: 9.33 ng

RT: 12.10 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

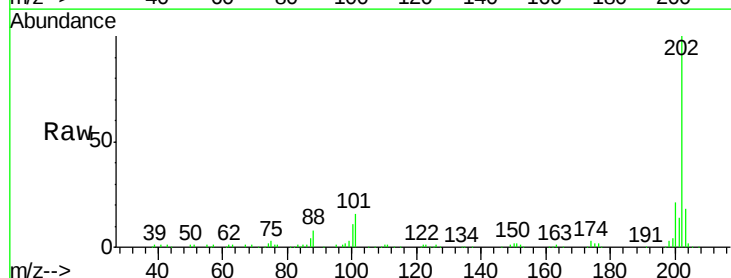
Tgt Ion:202 Resp: 126082

Ion Ratio Lower Upper

202 100

101 15.6 0.0 33.2

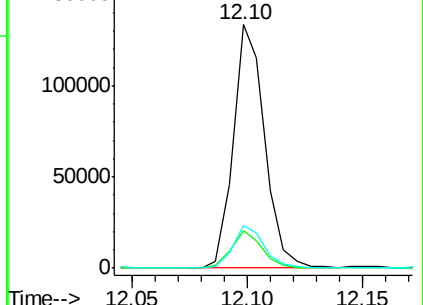
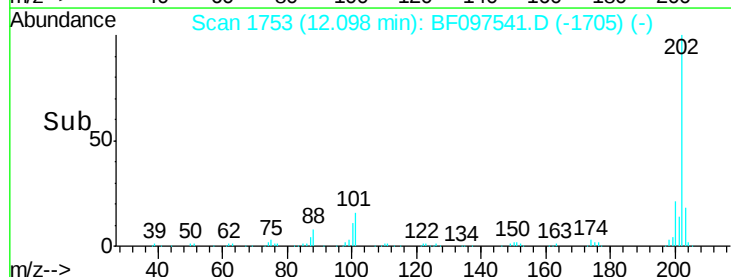
203 17.8 0.0 38.1

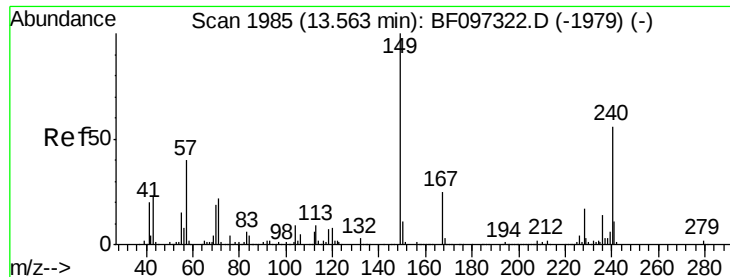


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF097541.D

Acq: 10 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-F10-BASE

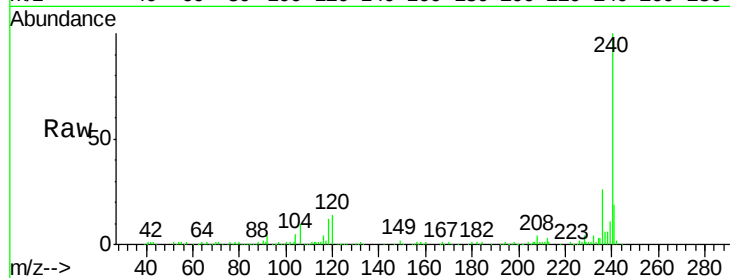
Tot Ion:240 Resp: 203103

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

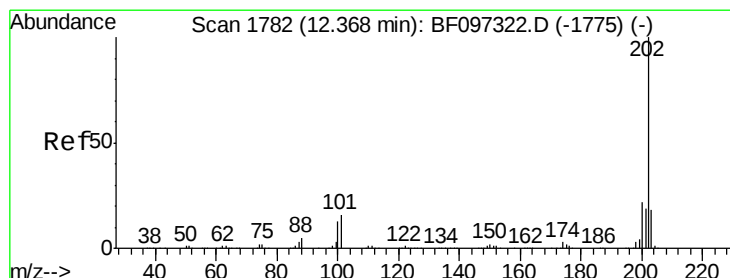
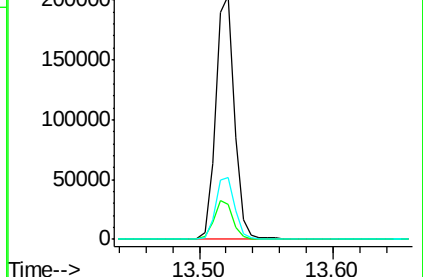
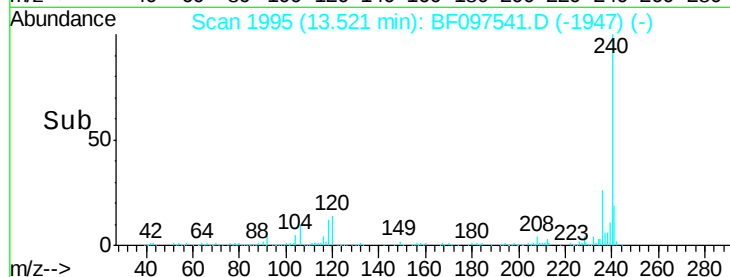
236 25.5 20.5 30.7



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: 6.98 ng

RT: 12.32 min Scan# 1791

Delta R.T. -0.02 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

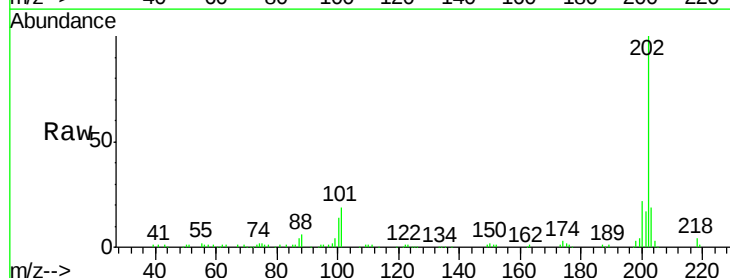
Tgt Ion:202 Resp: 116117

Ion Ratio Lower Upper

202 100

200 22.5 17.6 26.4

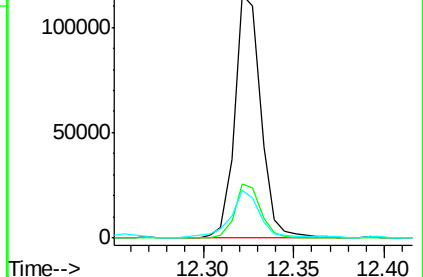
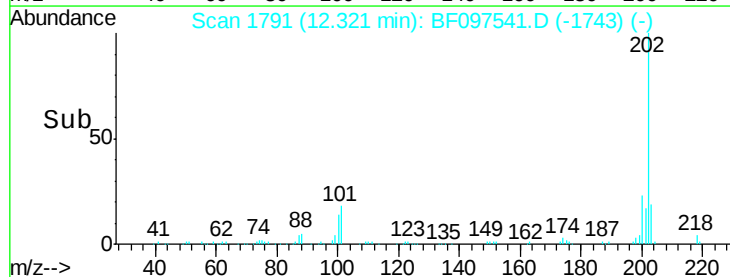
203 19.4 14.4 21.6

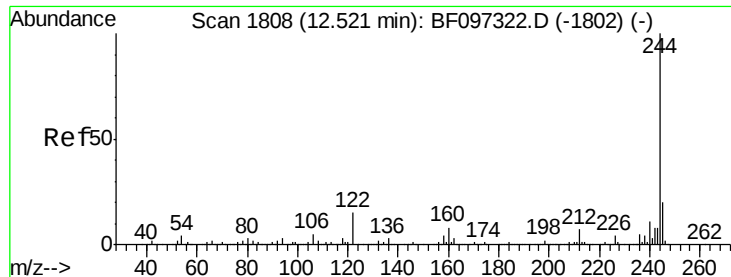


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

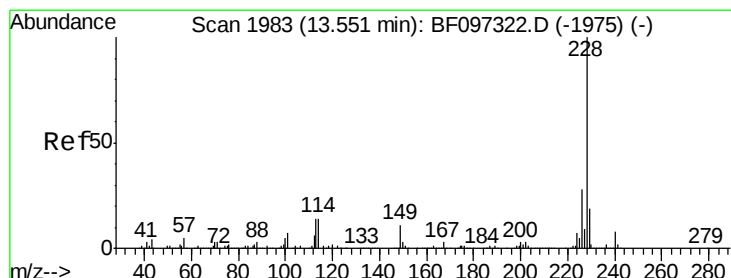
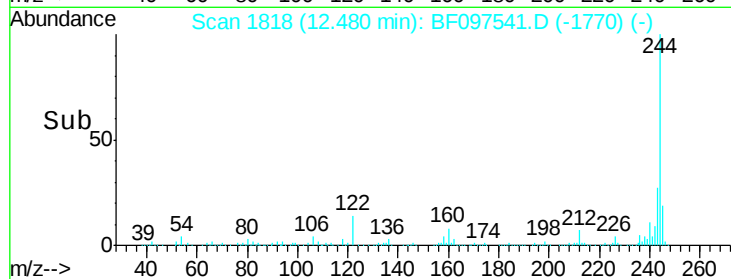
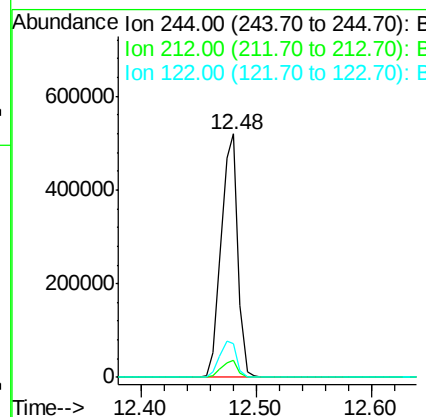
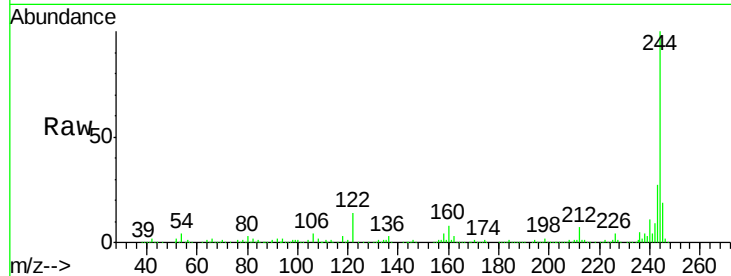




#78
 Terphenyl-d14
 Concen: 51.91 ng
 RT: 12.48 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF097541.D
 Acq: 10 Aug 2017 3:07

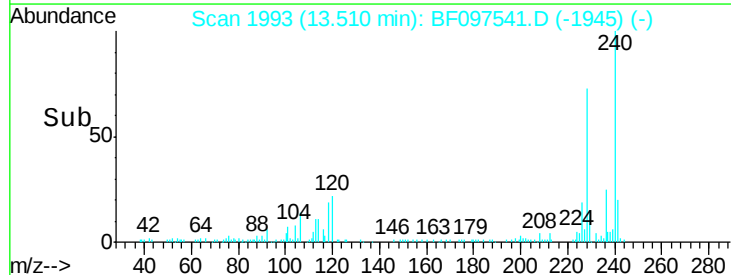
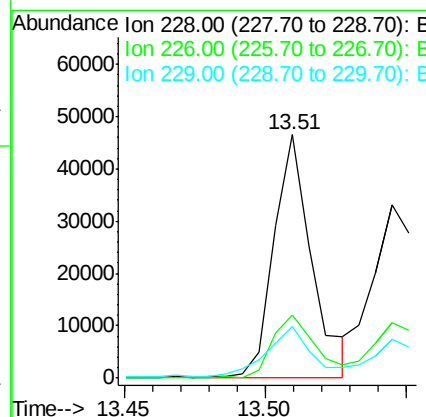
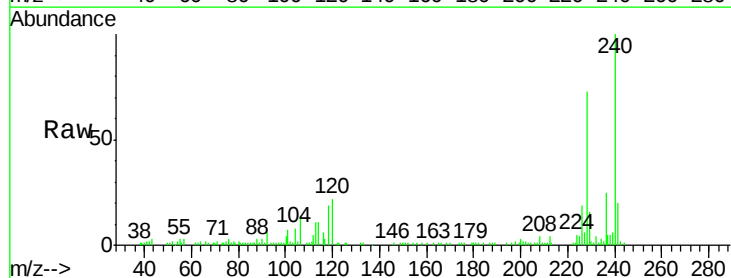
Instrument :
 BNA_F
 ClientSampleId :
 E2-F10-BASE

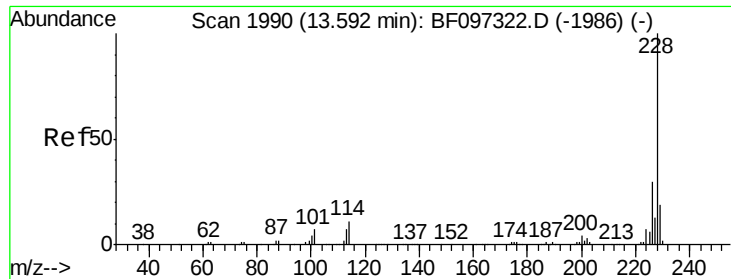
Tot Ion:244 Resp: 517106
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.33 ng
 RT: 13.51 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF097541.D
 Acq: 10 Aug 2017 3:07

Tgt Ion:228 Resp: 43704
 Ion Ratio Lower Upper
 228 100
 226 25.9 22.6 33.8
 229 21.4 16.3 24.5





#82

Chrysene

Concen: 3.01 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-F10-BASE

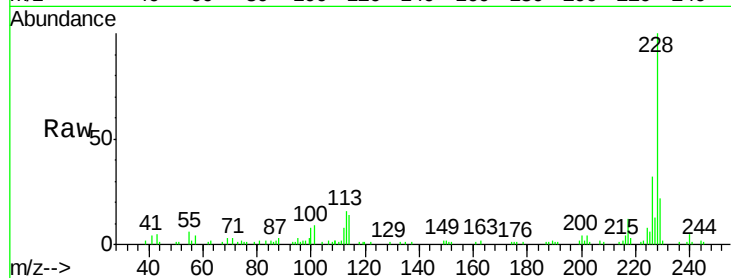
Tot Ion:228 Resp: 38628

Ion Ratio Lower Upper

228 100

226 31.9 24.9 37.3

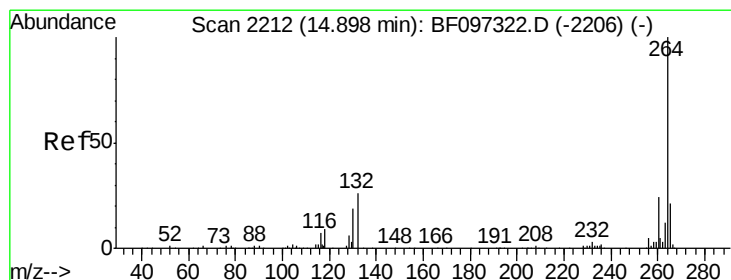
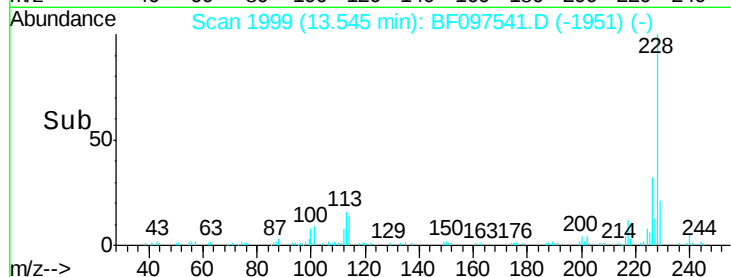
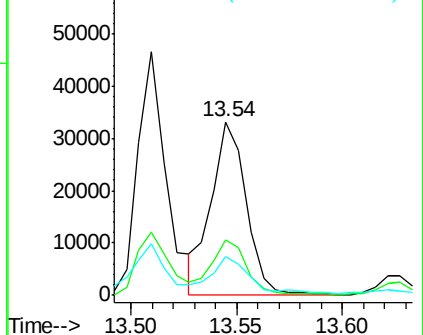
229 22.4 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.86 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

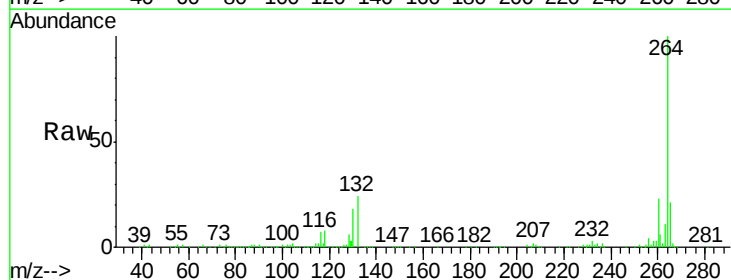
Tgt Ion:264 Resp: 188038

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

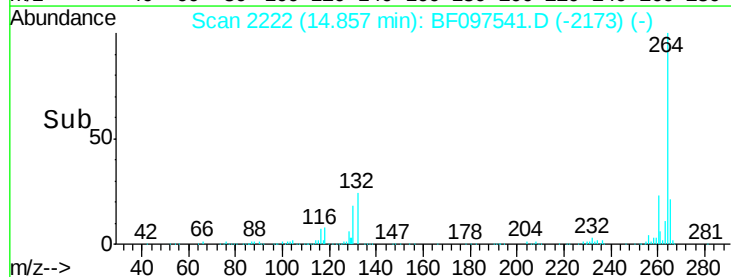
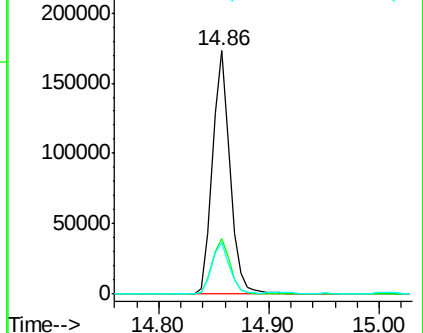
265 21.1 17.2 25.8

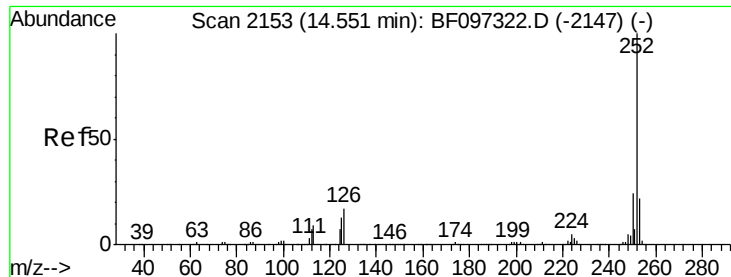


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.53 ng

RT: 14.52 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-F10-BASE

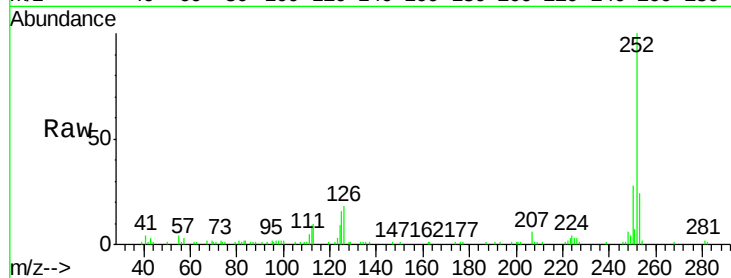
Tot Ion:252 Resp: 62562

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

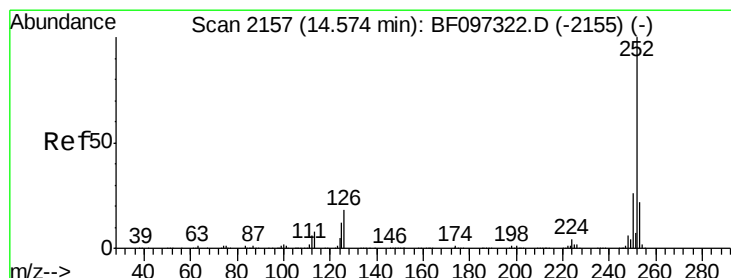
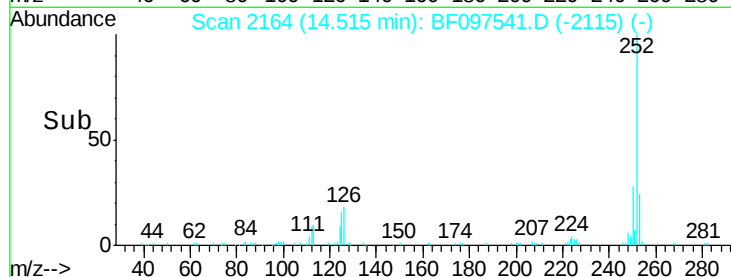
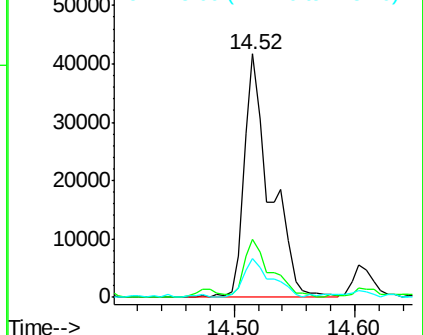
125 15.9 9.8 14.8#



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: 5.81 ng

RT: 14.52 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF097541.D

Acq: 10 Aug 2017 3:07

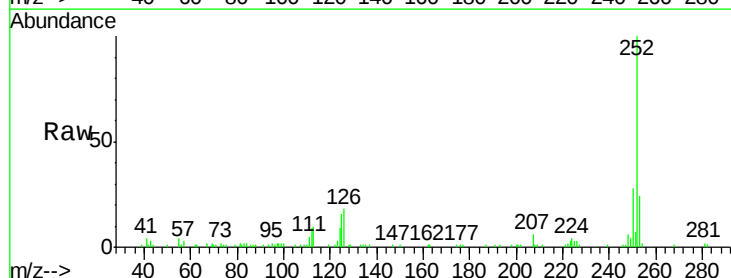
Tgt Ion:252 Resp: 62562

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

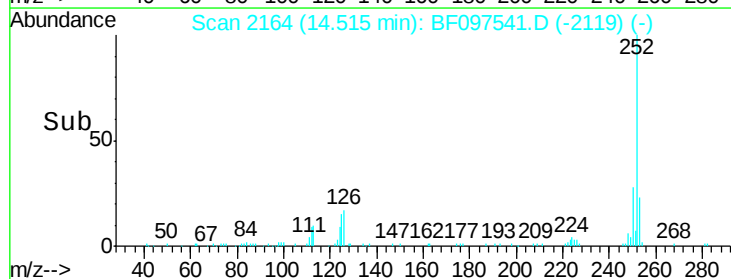
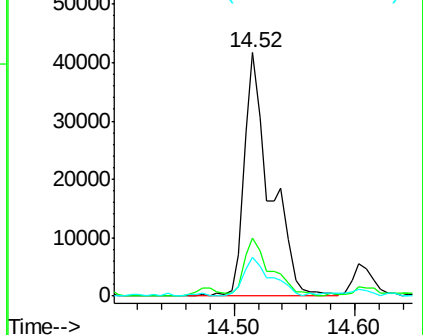
125 15.9 13.1 19.7

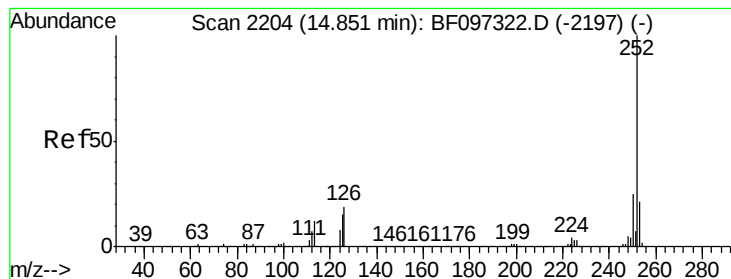


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 3.45 ng
 RT: 14.81 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: BF097541.D
 Acq: 10 Aug 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-F10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	14.7	11.0	16.4

