

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097294.D
 Acq On : 3 Aug 2017 00:53
 Operator : SJ/JU
 Sample : I4539-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 02:06:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

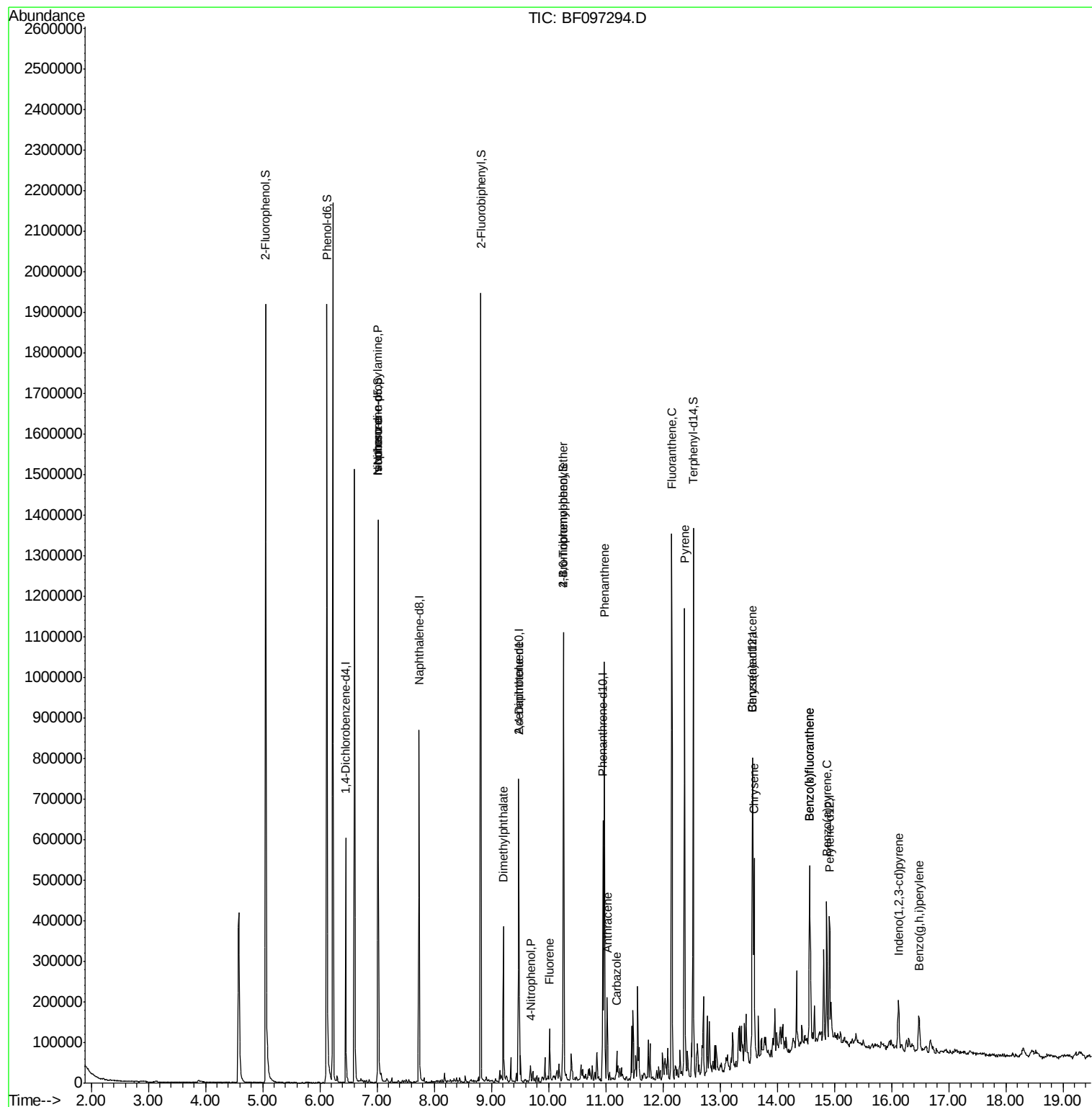
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	87315	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	359460	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	148140	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	212347	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	162021	20.00	ng	-0.05
86) Perylene-d12	14.92	264	122974	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	603546	104.20	ng	-0.05
7) Phenol-d6	6.12	99	698193	105.59	ng	-0.05
23) Nitrobenzene-d5	7.02	82	400077	65.29	ng	-0.05
41) 2,4,6-Tribromophenol	10.27	330	113929	97.34	ng	-0.05
44) 2-Fluorobiphenyl	8.82	172	643080	73.67	ng	-0.05
78) Terphenyl-d14	12.53	244	382802	48.17	ng	-0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.02	70	53695	12.34	ng	# 88
25) Isophorone	7.02	82	393084	32.76	ng	# 67
49) Dimethylphthalate	9.21	163	141932	12.62	ng	100
55) 4-Nitrophenol	9.68	139	4656	2.64	ng	# 25
56) 2,4-Dinitrotoluene	9.47	165	19596	7.14	ng	# 33
57) Fluorene	10.02	166	32366	3.84	ng	96
66) 4-Bromophenyl-phenylether	10.26	248	7387	3.49	ng	# 1
70) Phenanthrene	10.97	178	355984	31.29	ng	98
71) Anthracene	11.03	178	74570	6.40	ng	97
72) Carbazole	11.19	167	27083	2.36	ng	99
74) Fluoranthene	12.16	202	510467	45.80	ng	98
77) Pvrene	12.38	202	432239	32.59	ng	99
80) Benzo(a)anthracene	13.56	228	211510	20.18	ng	98
82) Chrysene	13.60	228	185512	18.12	ng	99
85) Indeno(1,2,3-cd)pyrene	16.12	276	60249	6.86	ng	95
87) Benzo(b)fluoranthene	14.57	252	260451	35.23	ng	# 95
88) Benzo(k)fluoranthene	14.57	252	260451	36.97	ng	96
89) Benzo(a)pyrene	14.87	252	130884	19.35	ng	99
91) Benzo(a,h,i)perylene	16.48	276	55328	9.51	ng	95

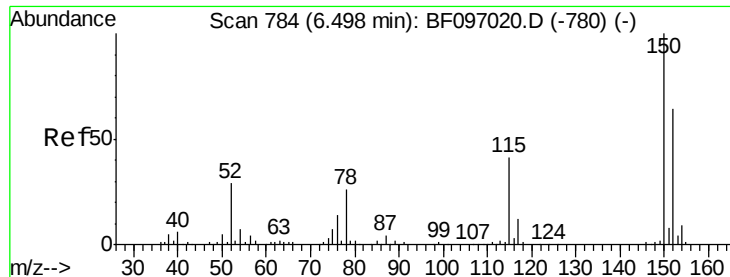
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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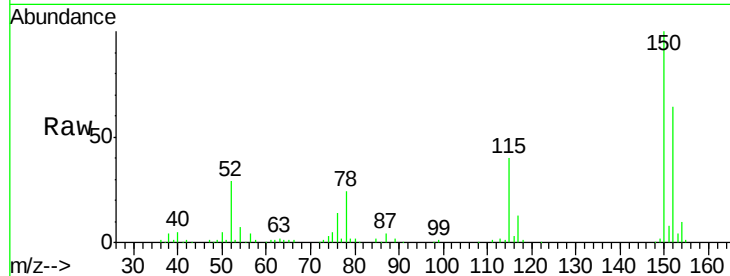


#1

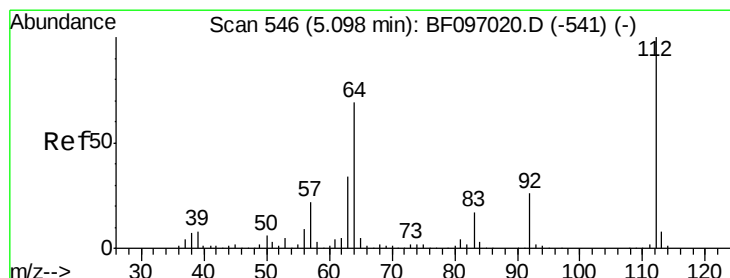
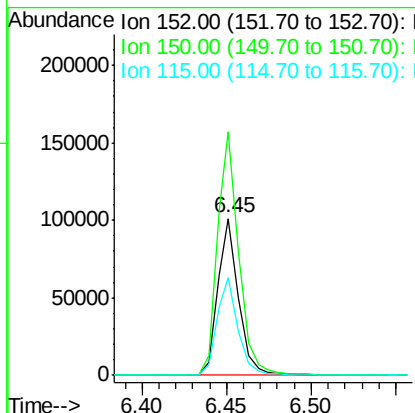
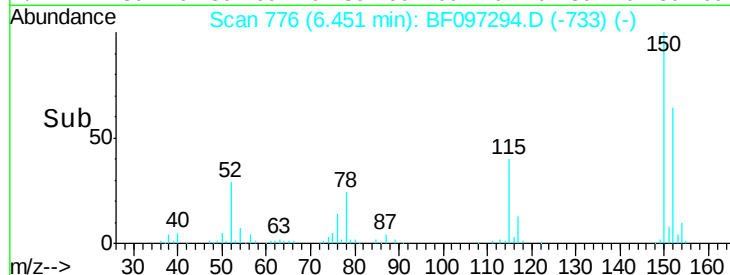
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 87315
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 61.8 52.2 78.2



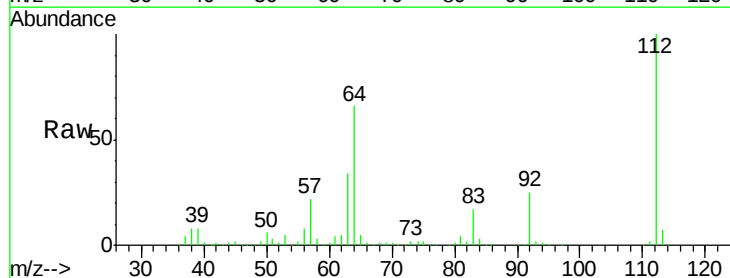
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



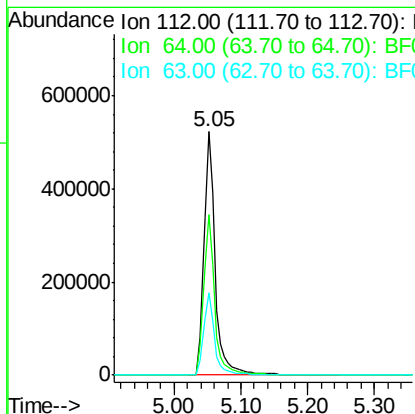
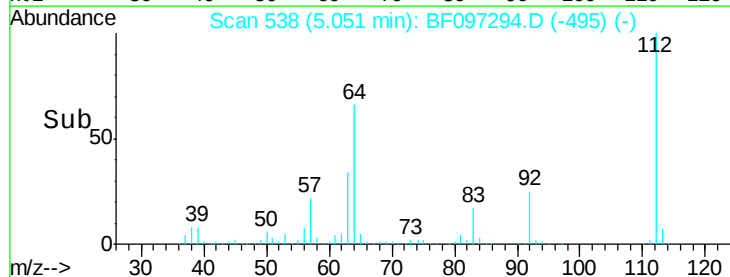
#5

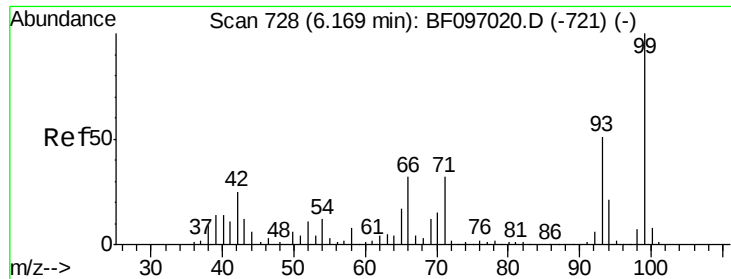
2-Fluorophenol
Concen: 104.20 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion:112 Resp: 603546
Ion Ratio Lower Upper
112 100
64 65.8 46.0 69.0
63 33.9 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: 105.59 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampleId :

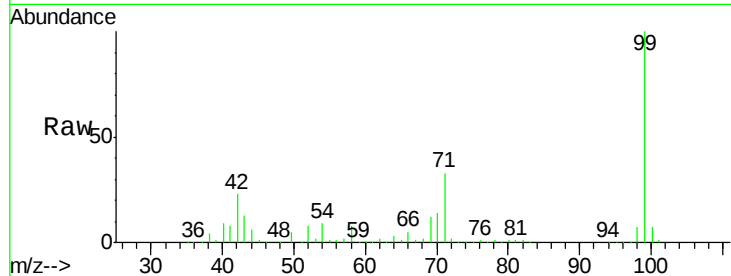
Tot Ion: 99 Resp: 698193

Ion Ratio Lower Upper

99 100

42 23.5 13.5 20.3#

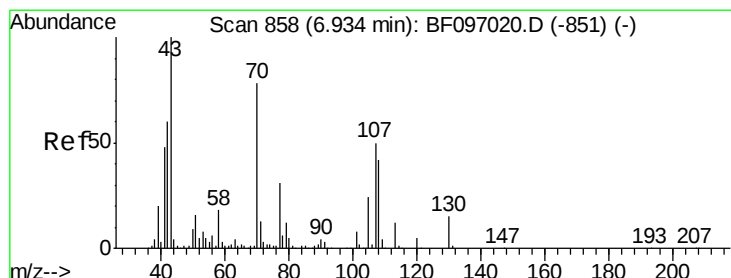
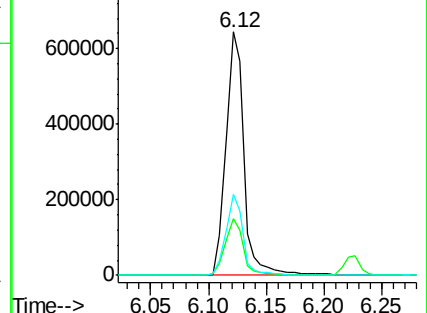
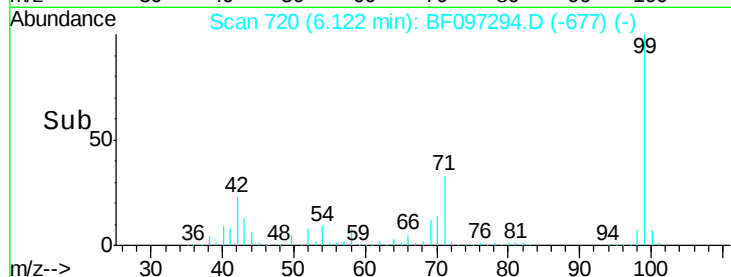
71 33.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.34 ng

RT: 7.02 min Scan# 873

Delta R.T. 0.09 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Tgt Ion: 70 Resp: 53695

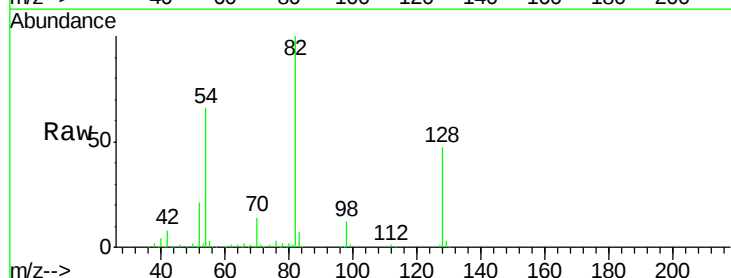
Ion Ratio Lower Upper

70 100

42 58.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

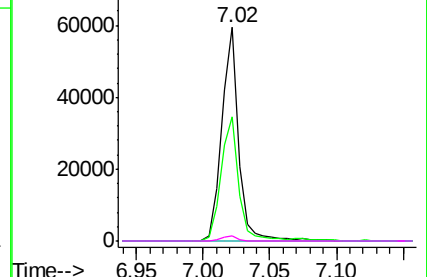
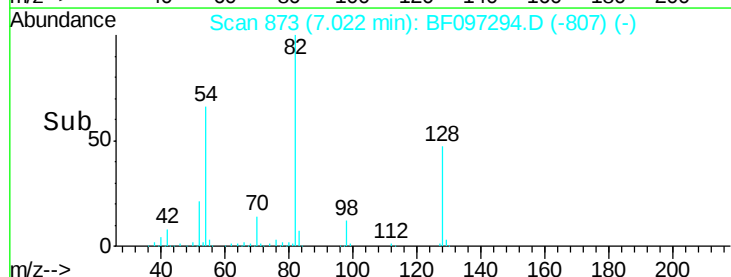


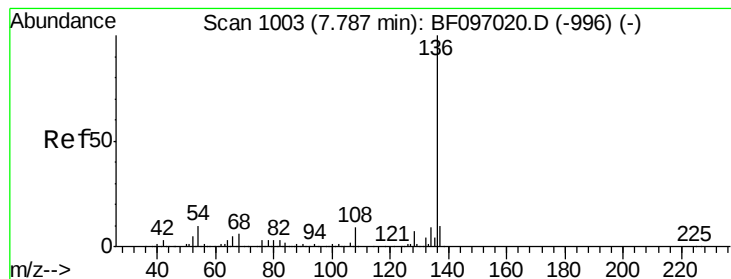
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.73 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 359460

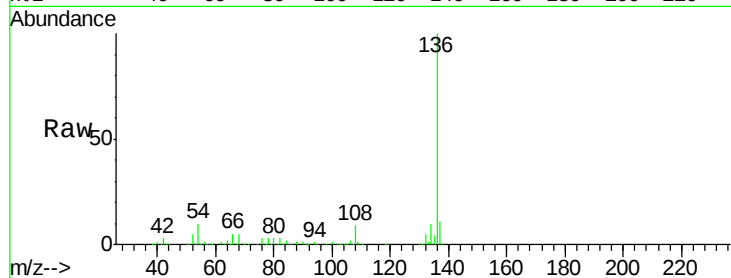
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.3 4.9 7.3#

68 5.2 4.1 6.1

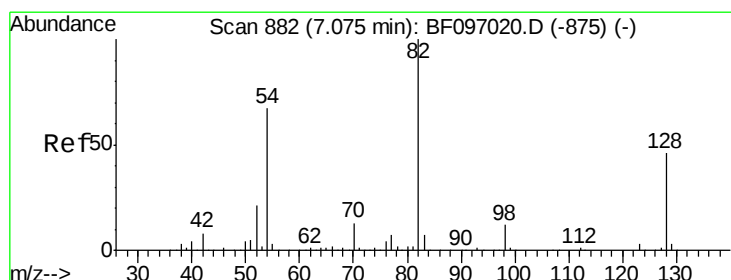
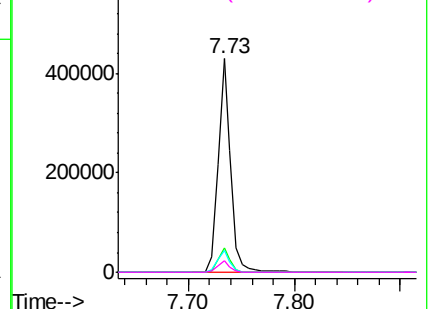
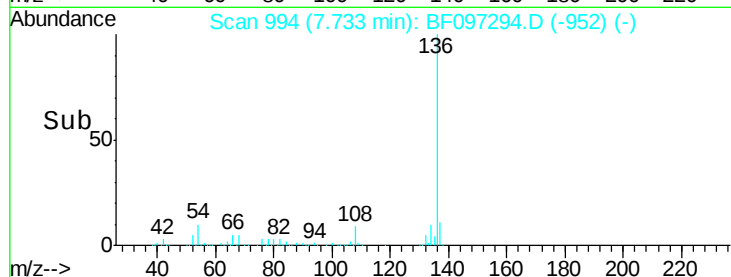


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.29 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

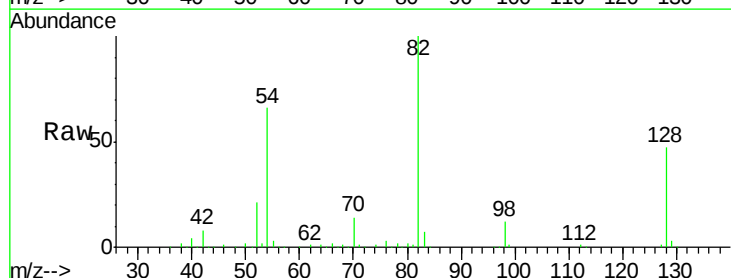
Tgt Ion: 82 Resp: 400077

Ion Ratio Lower Upper

82 100

128 47.3 34.0 51.0

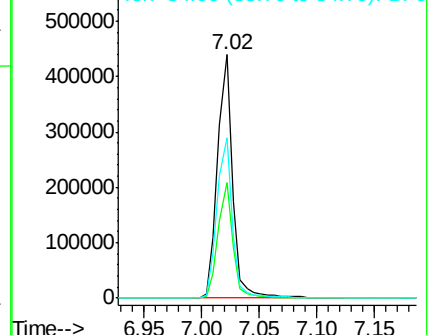
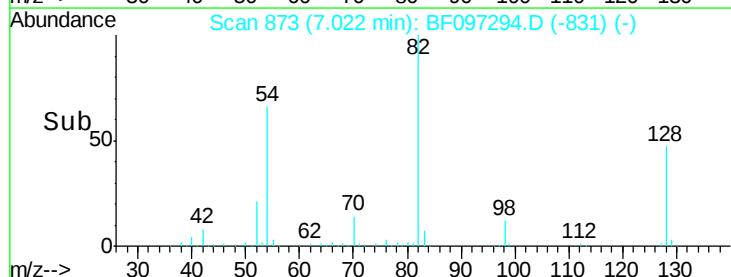
54 66.1 42.2 63.2#

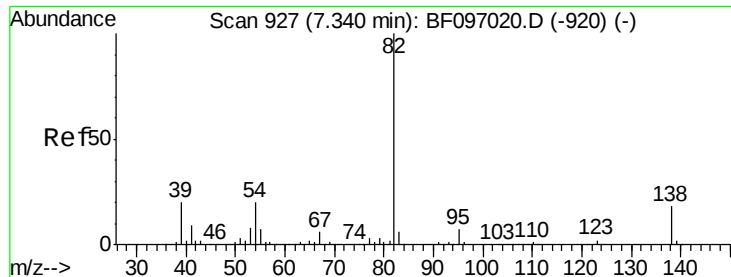


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.76 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.32 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampled :

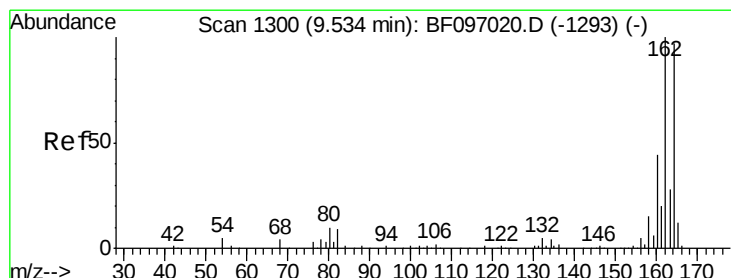
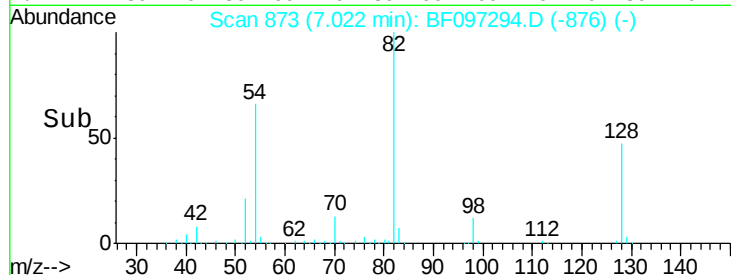
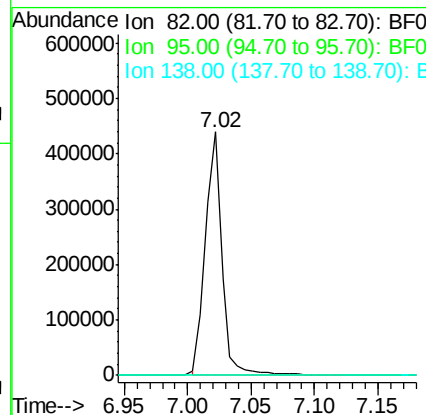
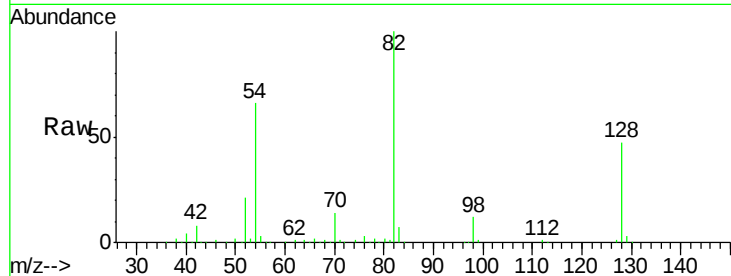
Tot Ion: 82 Resp: 393084

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: 9.47 min Scan# 1290

Delta R.T. -0.06 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

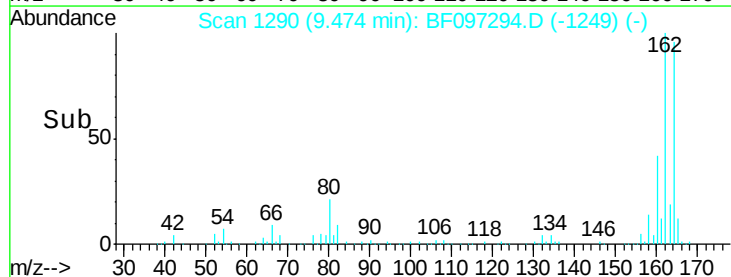
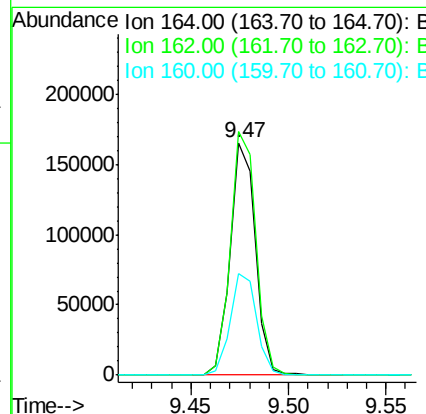
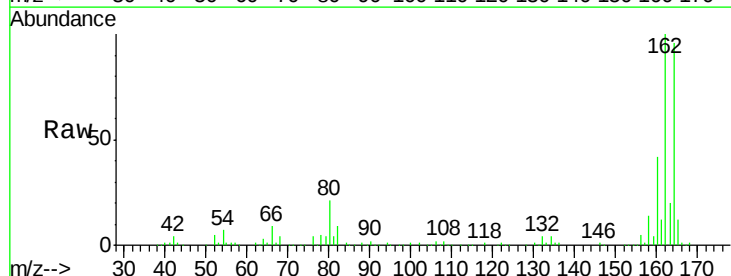
Tgt Ion: 164 Resp: 148140

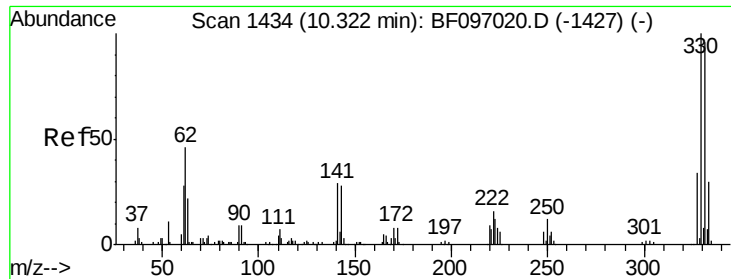
Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

160 43.7 36.2 54.2

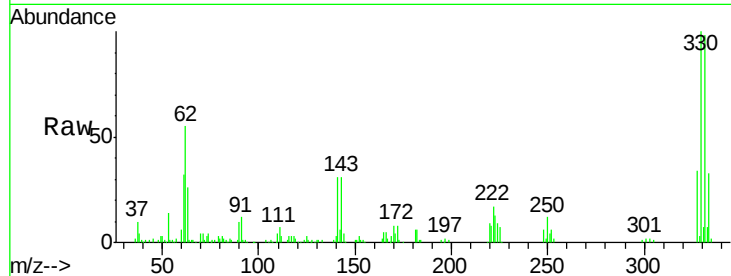




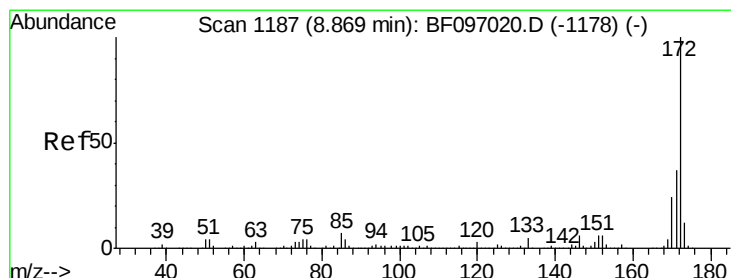
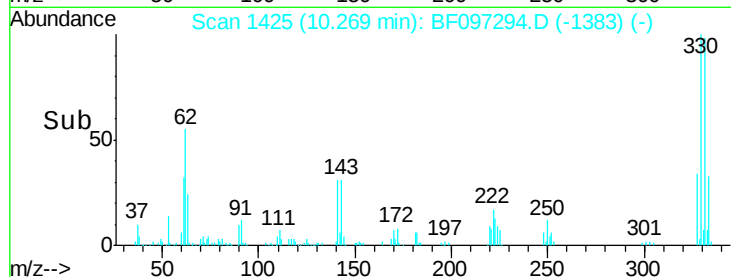
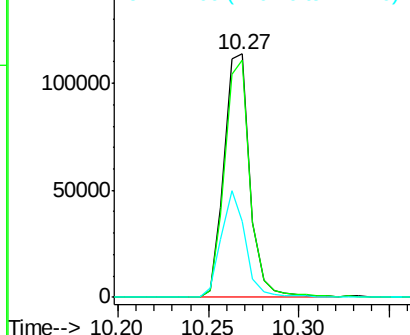
#41
 2,4,6-Tribromophenol
 Concen: 97.34 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	41.1	31.4	47.2

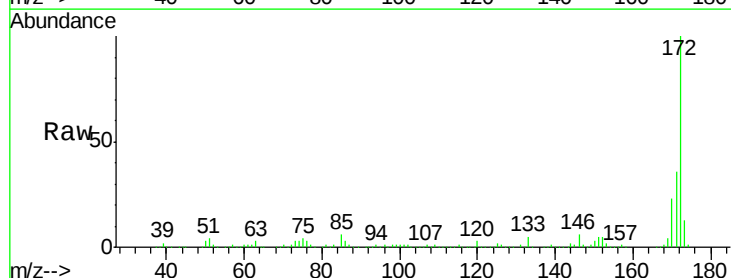


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

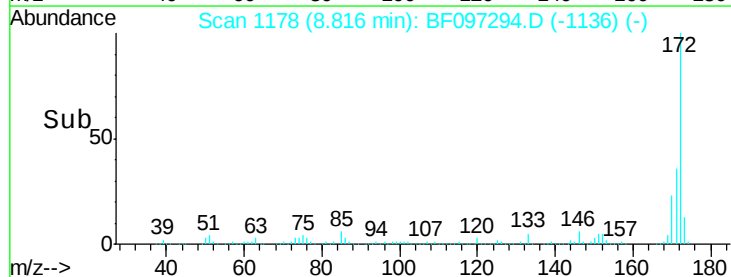
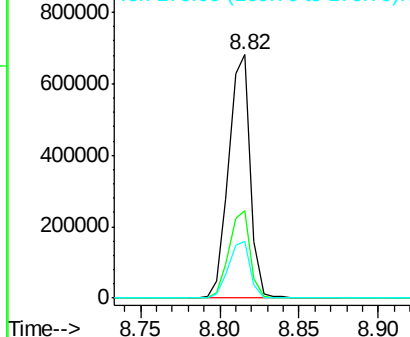


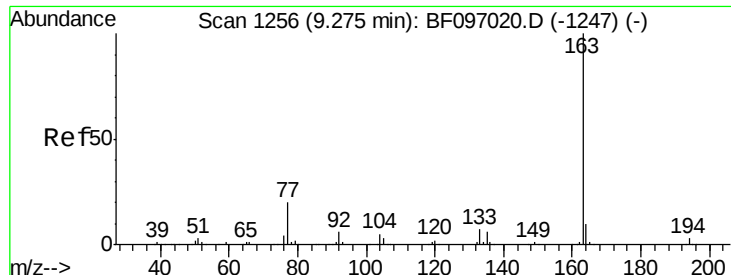
#44
 2-Fluorobiphenyl
 Concen: 73.67 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.5	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

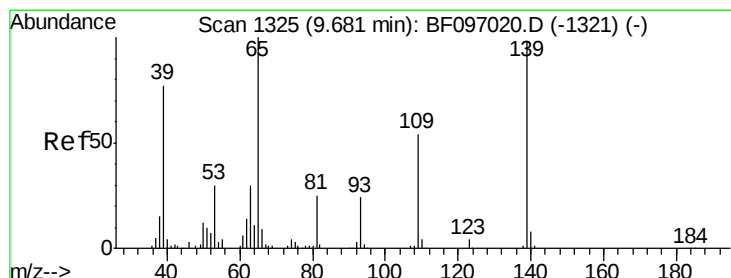
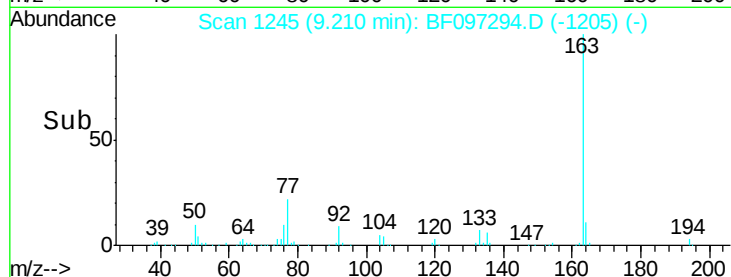
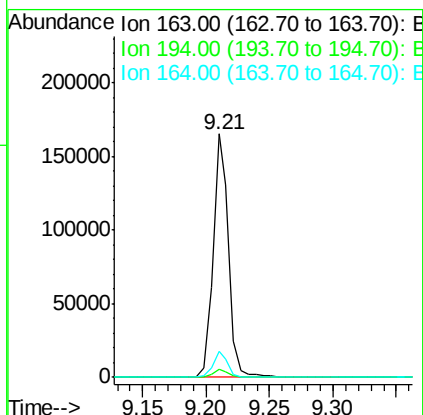
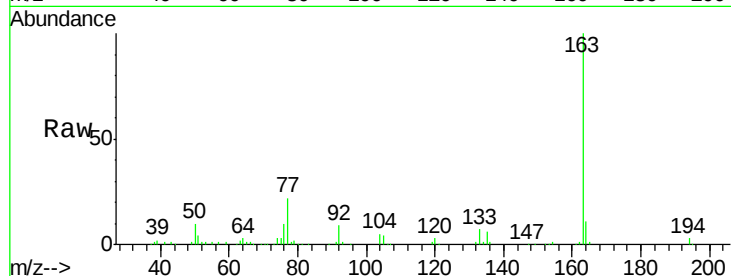




#49
Dimethylphthalate
Concen: 12.62 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

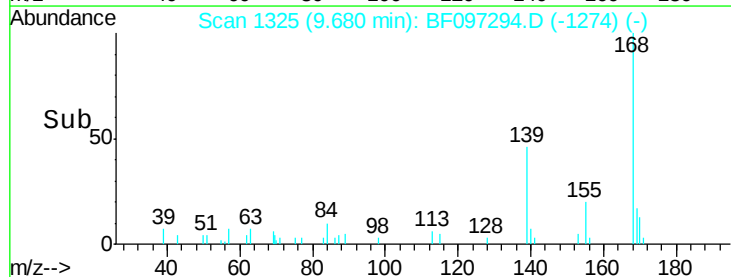
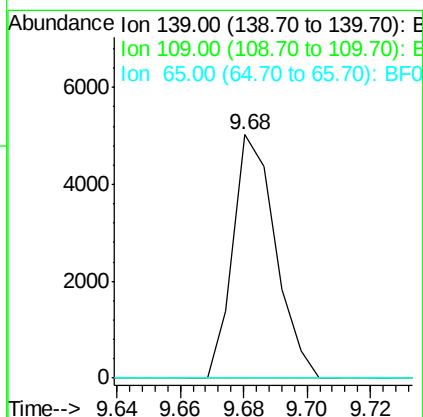
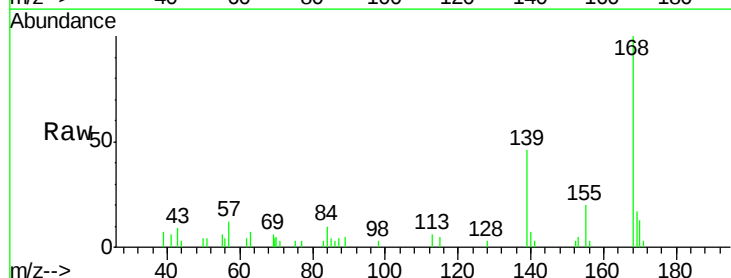
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 141932
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.6 8.4 12.6



#55
4-Nitrophenol
Concen: 2.64 ng
RT: 9.68 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion:139 Resp: 4656
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

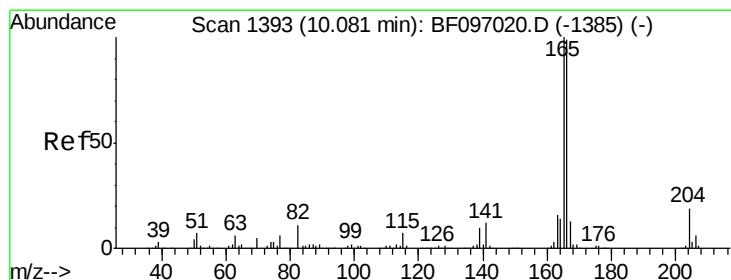
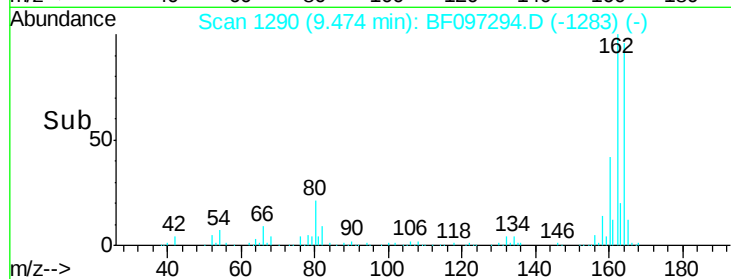
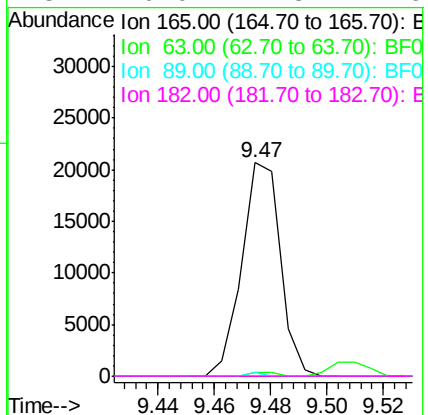
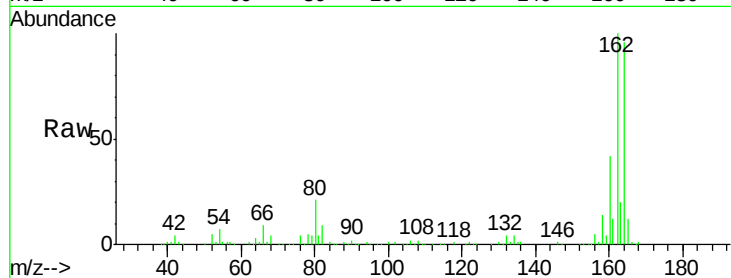




#56
 2,4-Dinitrotoluene
 Concen: 7.14 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.26 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

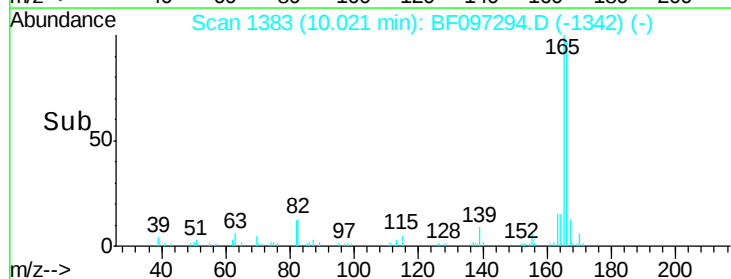
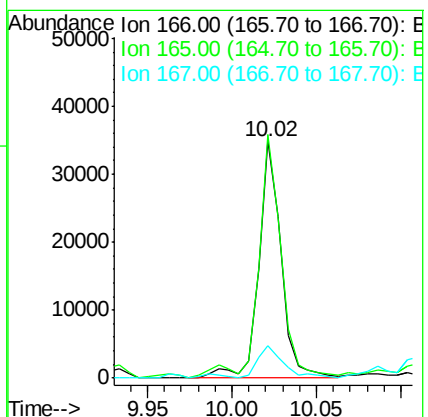
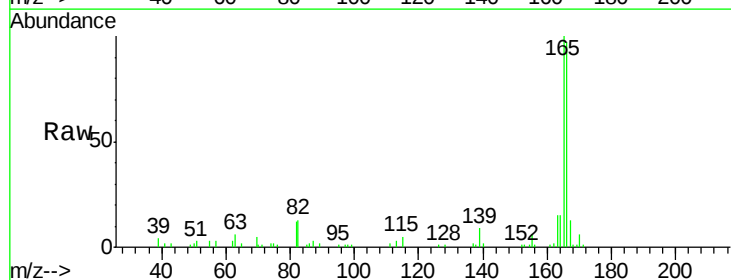
Instrument :
 BNA_F
 ClientSampleId :

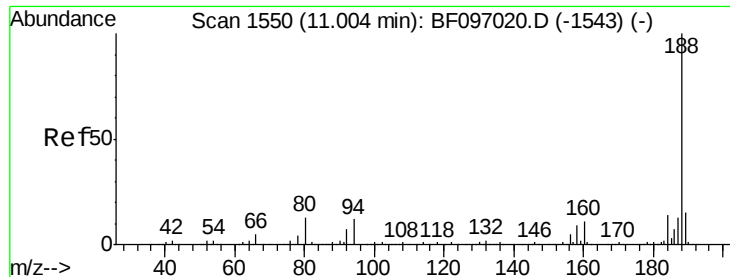
Tot Ion:	165	Resp:	19596
Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#57
 Fluorene
 Concen: 3.84 ng
 RT: 10.02 min Scan# 1383
 Delta R.T. -0.06 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Tgt Ion:	166	Resp:	32366
Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.8	118.2
167	13.5	10.6	16.0

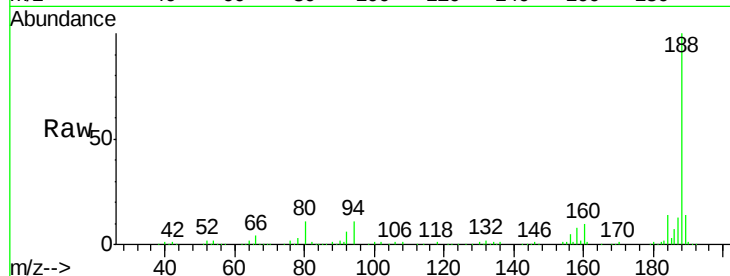




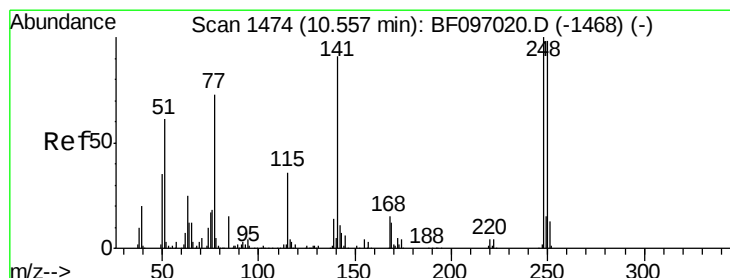
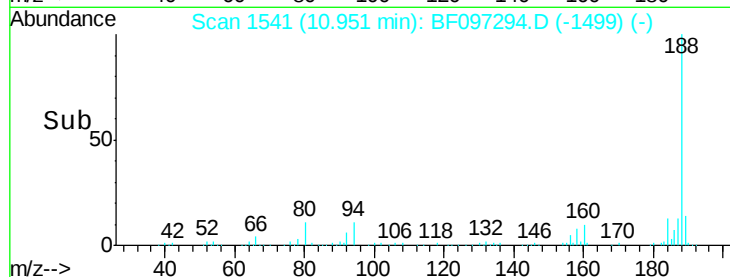
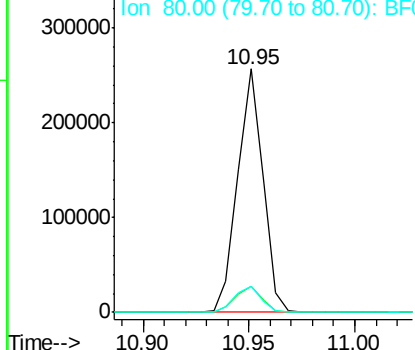
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.95 min Scan# 1541
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	10.5	10.2	15.2

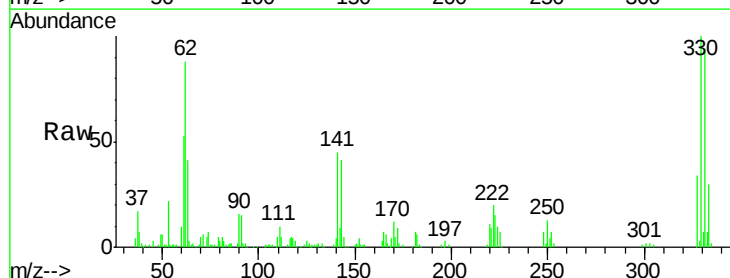


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

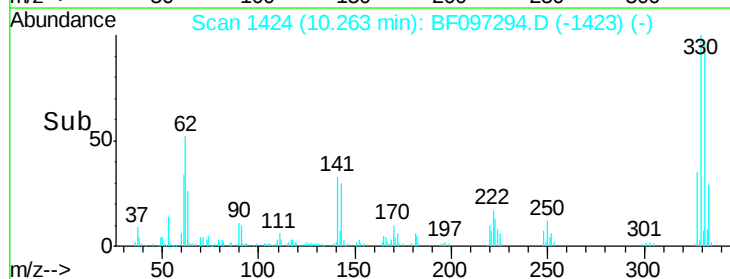
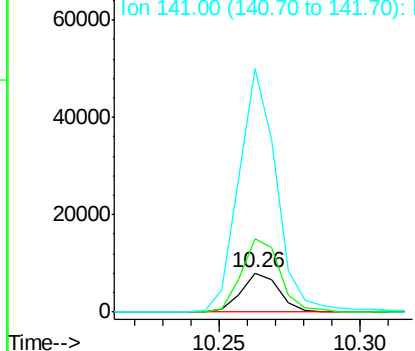


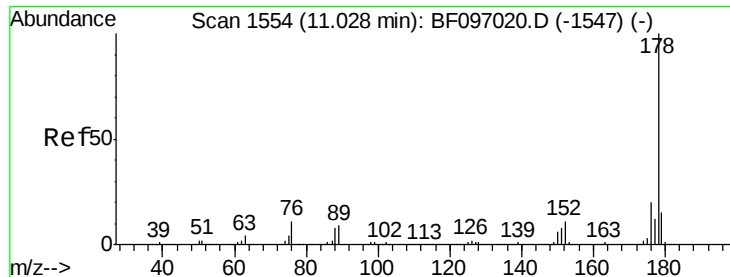
#66
 4-Bromophenyl-phenylether
 Concen: 3.49 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.29 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.5	76.8	115.2#
141	625.1	68.6	103.0#



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

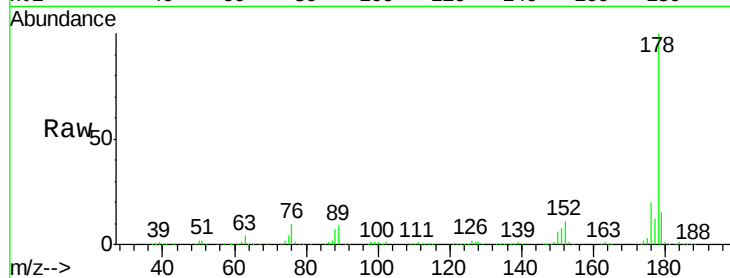




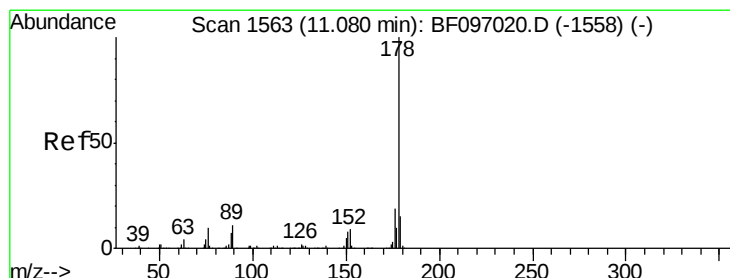
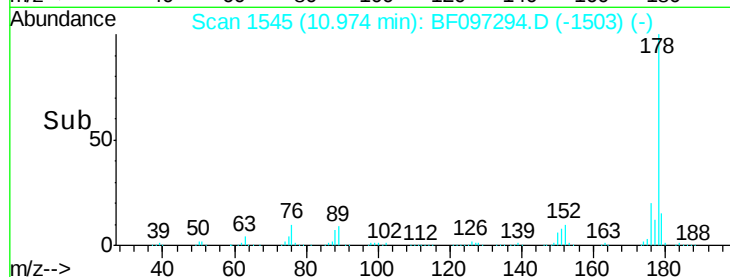
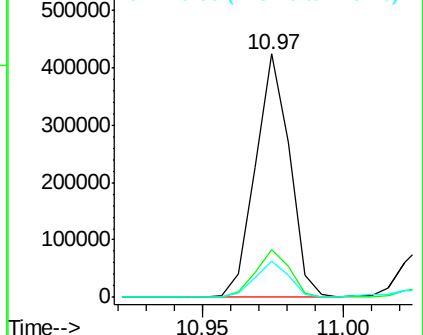
#70
Phenanthrene
Concen: 31.29 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 355984
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 14.9 12.6 19.0

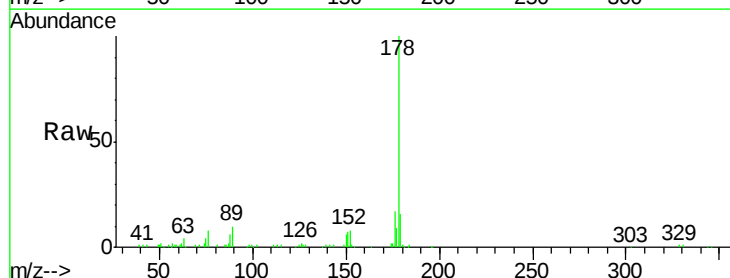


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

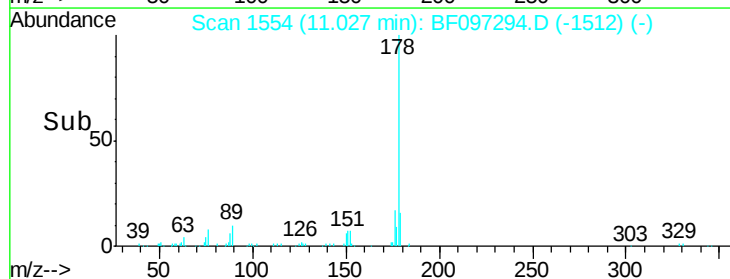
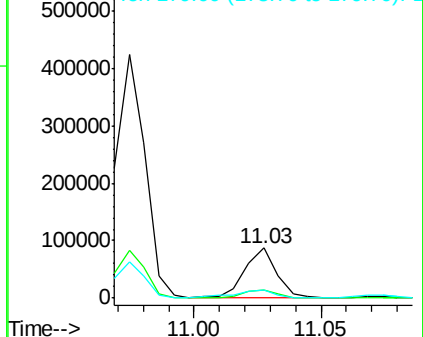


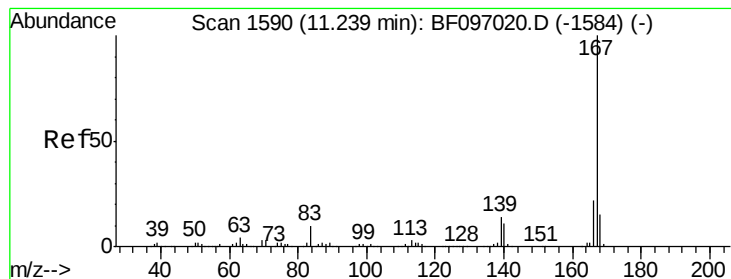
#71
Anthracene
Concen: 6.40 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion:178 Resp: 74570
Ion Ratio Lower Upper
178 100
176 17.5 15.8 23.8
179 15.7 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





#72

Carbazole

Concen: 2.36 ng

RT: 11.19 min Scan# 1582

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampleId :

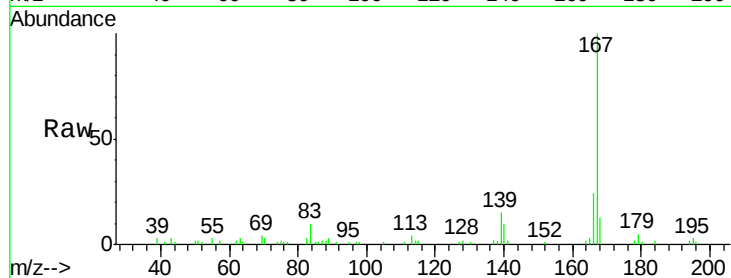
Tot Ion:167 Resp: 27083

Ion Ratio Lower Upper

167 100

166 23.5 18.1 27.1

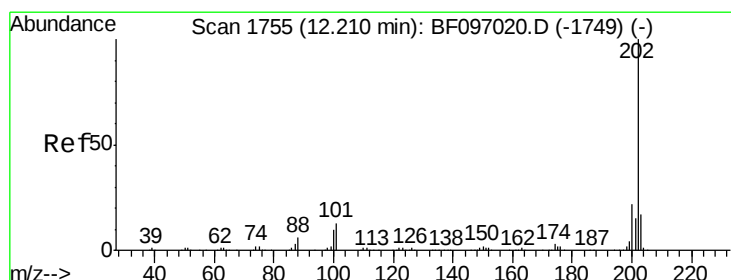
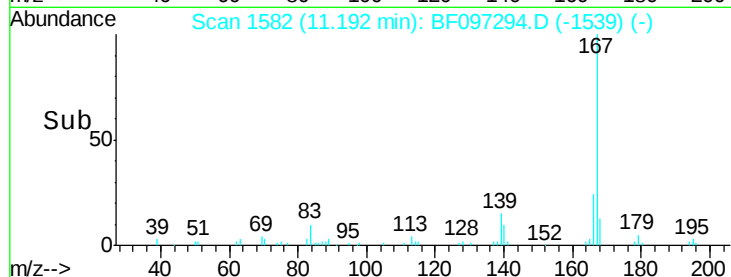
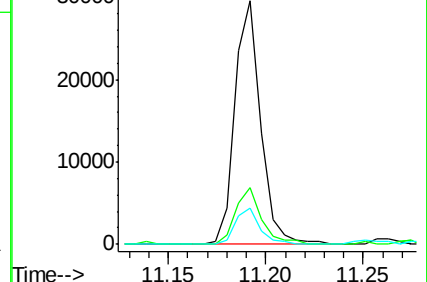
139 14.8 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 45.80 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

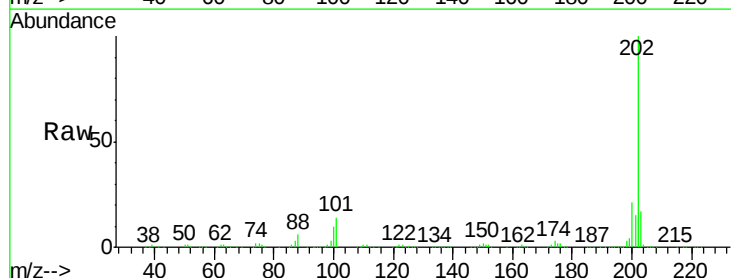
Tgt Ion:202 Resp: 510467

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

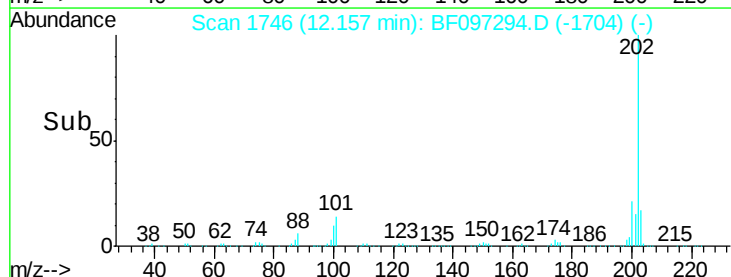
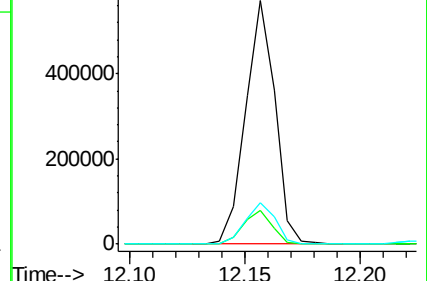
203 17.0 0.0 38.1

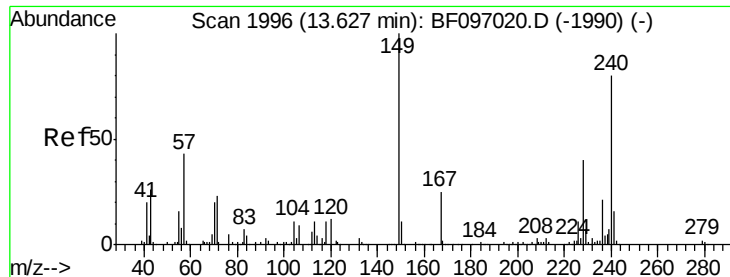


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.57 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampleId :

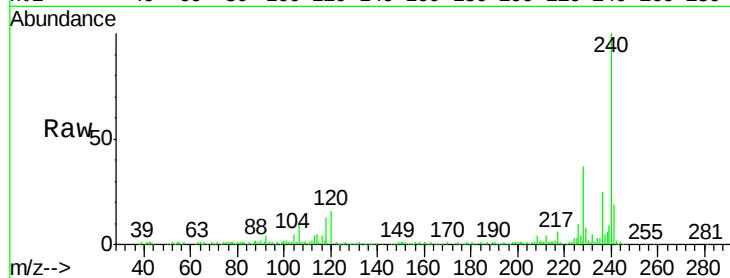
Tot Ion:240 Resp: 162021

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

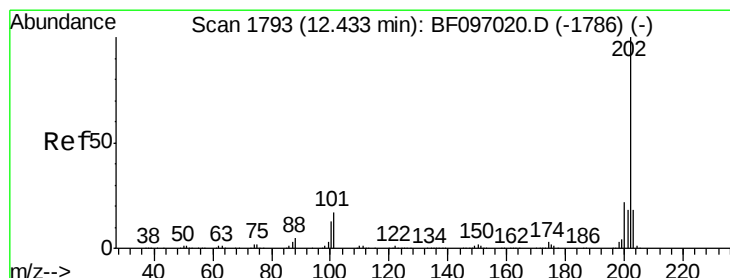
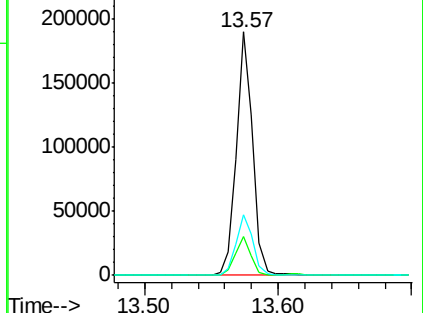
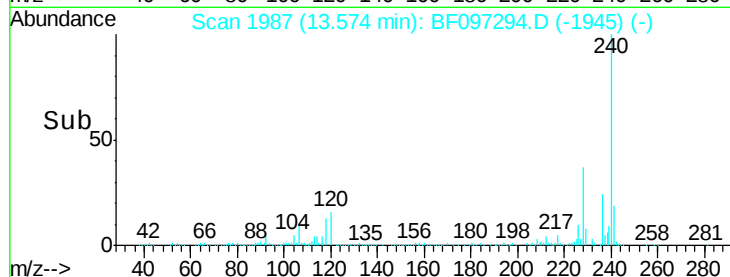
236 24.9 20.5 30.7



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: 32.59 ng

RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

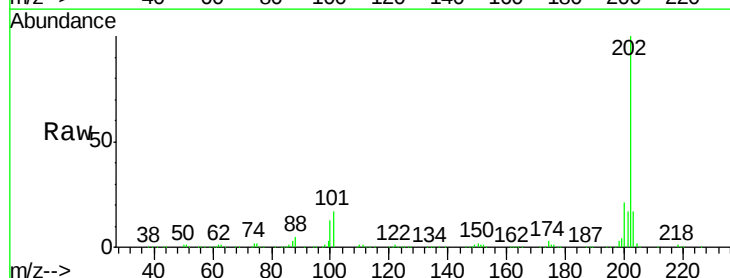
Tgt Ion:202 Resp: 432239

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

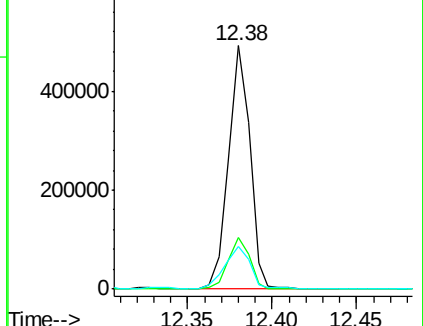
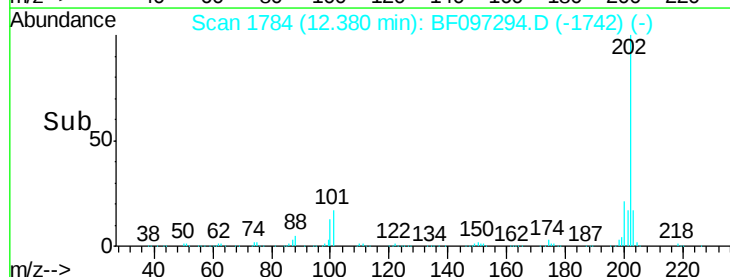
203 17.5 14.4 21.6

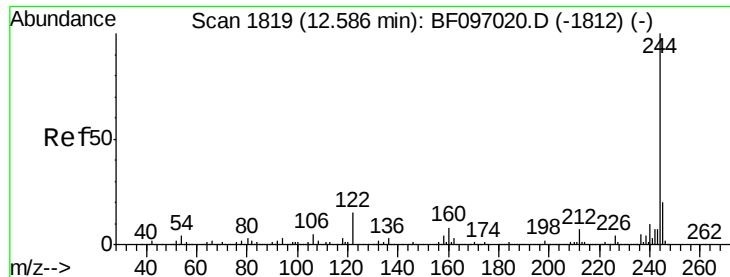


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.17 ng

RT: 12.53 min Scan# 1810

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampleId :

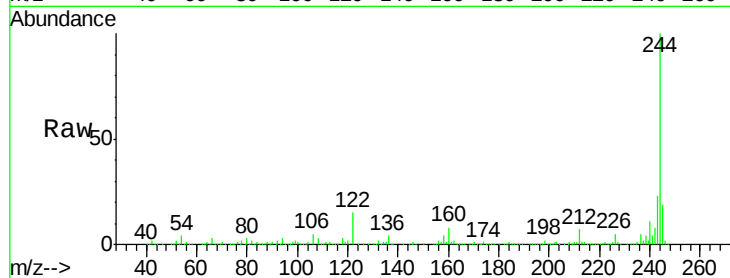
Tot Ion:244 Resp: 382802

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

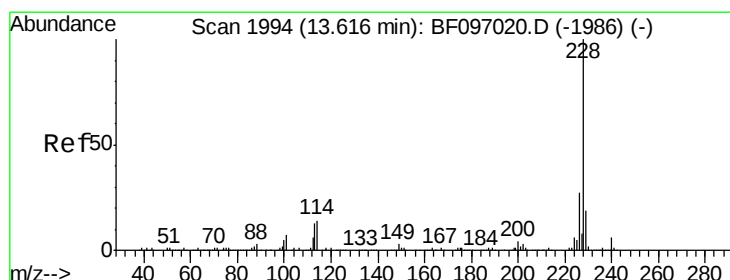
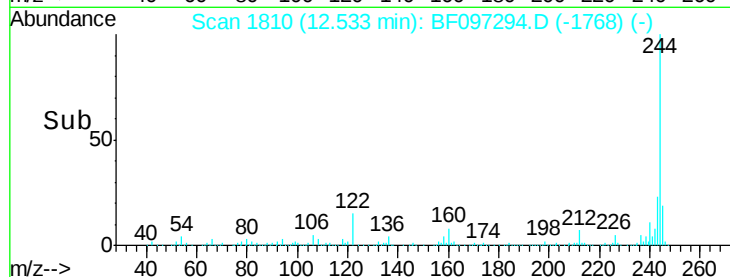
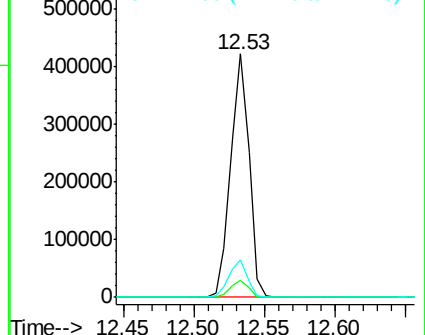
122 15.4 10.3 15.5



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: 20.18 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

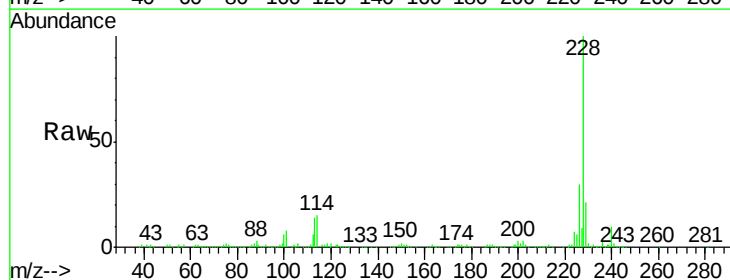
Tgt Ion:228 Resp: 211510

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

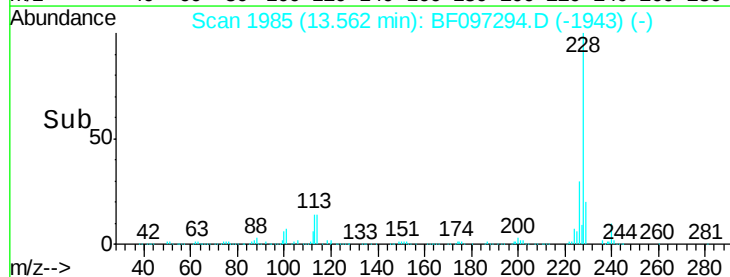
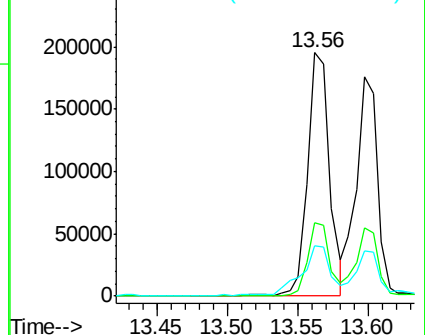
229 20.6 16.3 24.5

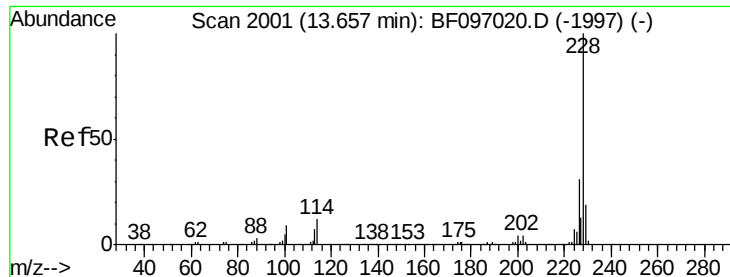


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.12 ng

RT: 13.60 min Scan# 1991

Delta R.T. -0.06 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampled :

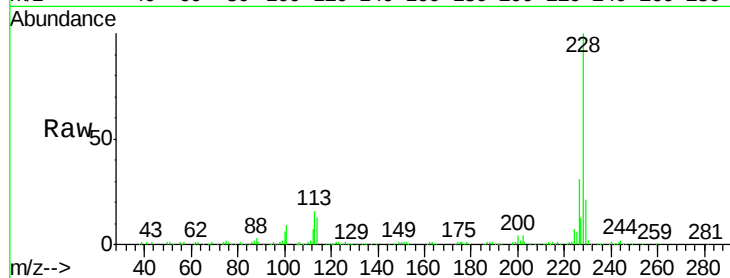
Tot Ion:228 Resp: 185512

Ion Ratio Lower Upper

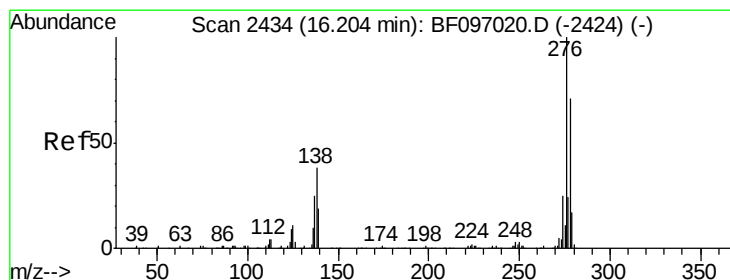
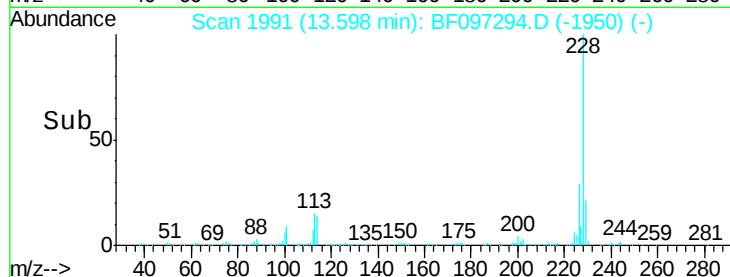
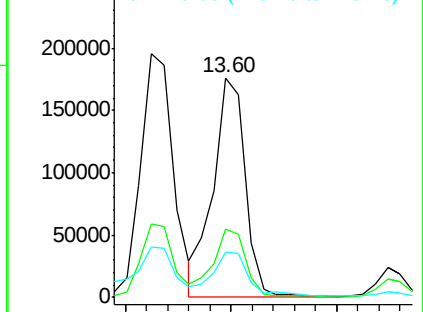
228 100

226 30.9 24.9 37.3

229 20.8 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: 6.86 ng

RT: 16.12 min Scan# 2420

Delta R.T. -0.08 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

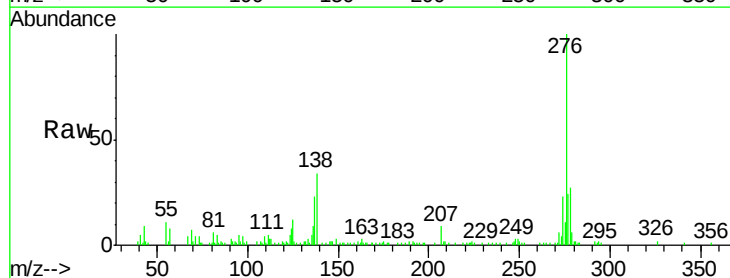
Tgt Ion:276 Resp: 60249

Ion Ratio Lower Upper

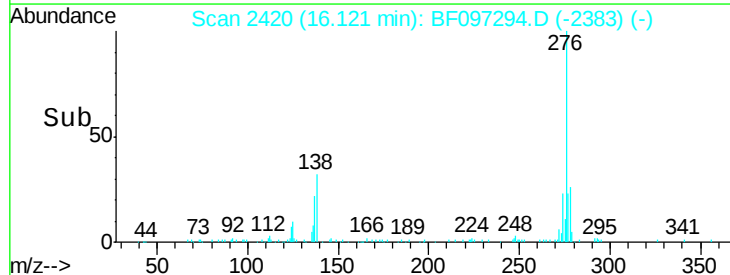
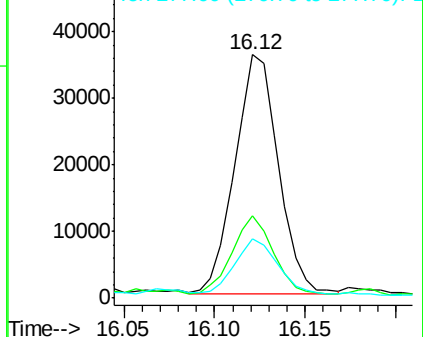
276 100

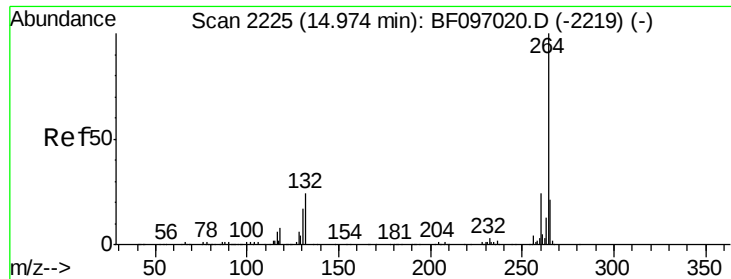
138 30.8 27.8 41.6

277 23.8 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

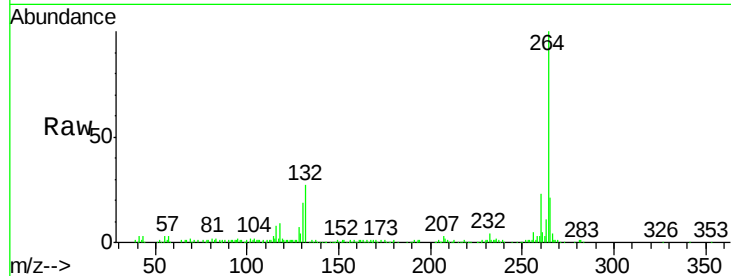




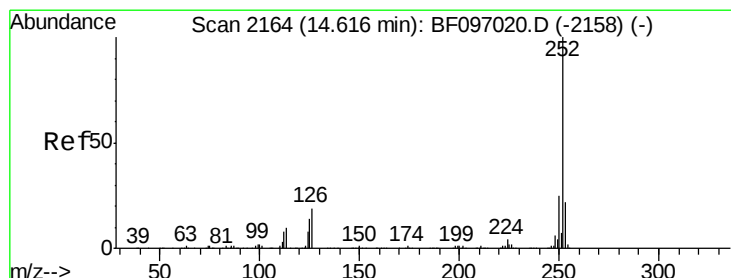
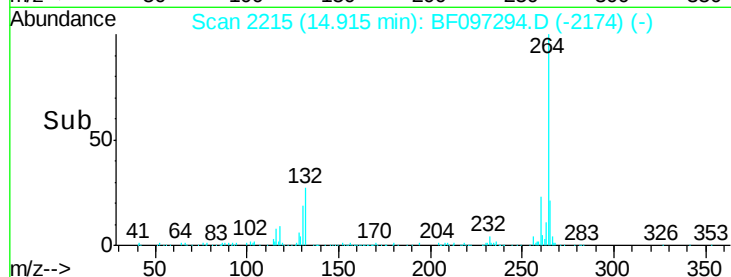
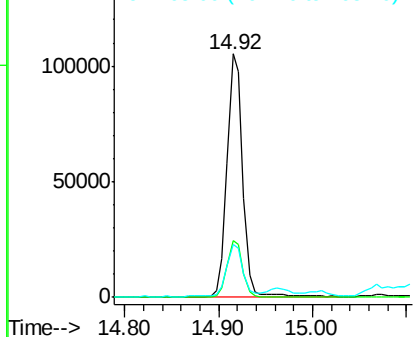
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 122974
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 21.5 17.2 25.8

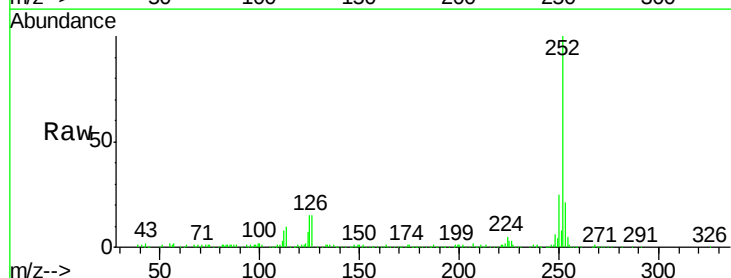


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

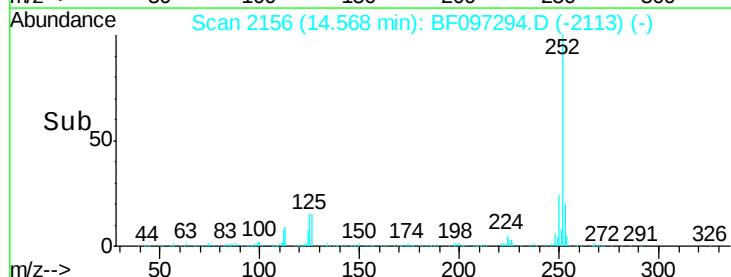
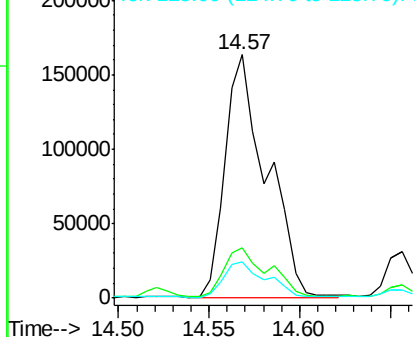


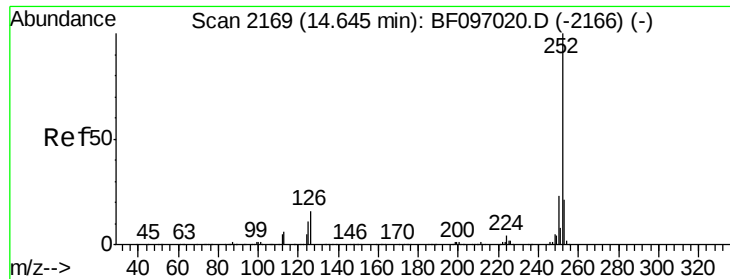
#87
Benzo(b)fluoranthene
Concen: 35.23 ng
RT: 14.57 min Scan# 2156
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion:252 Resp: 260451
Ion Ratio Lower Upper
252 100
253 20.7 18.1 27.1
125 14.8 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

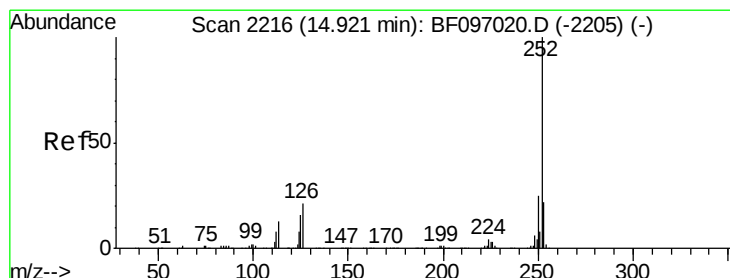
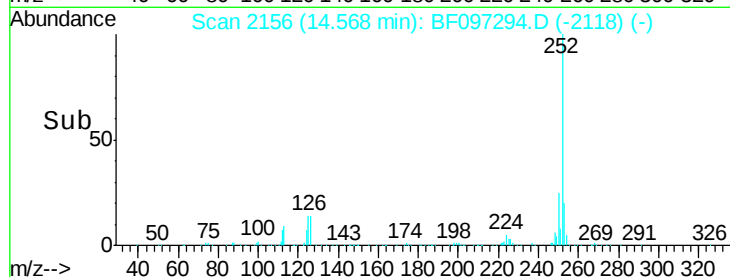
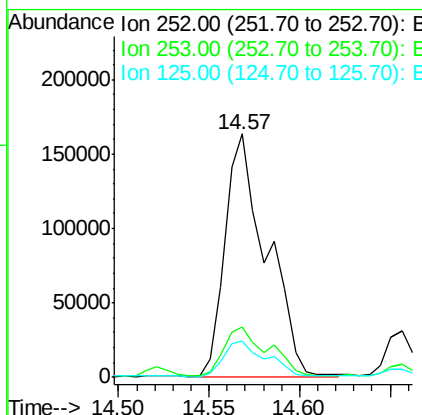
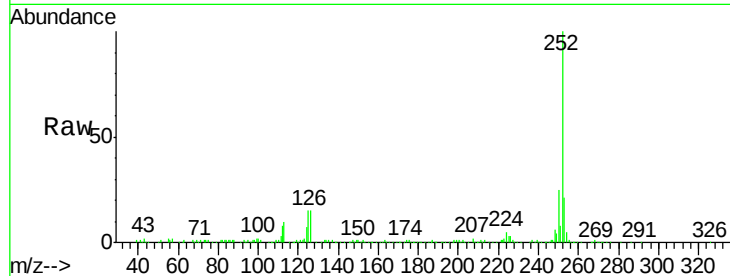




#88
Benzo(k)fluoranthene
Concen: 36.97 ng
RT: 14.57 min Scan# 2156
Delta R.T. -0.08 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

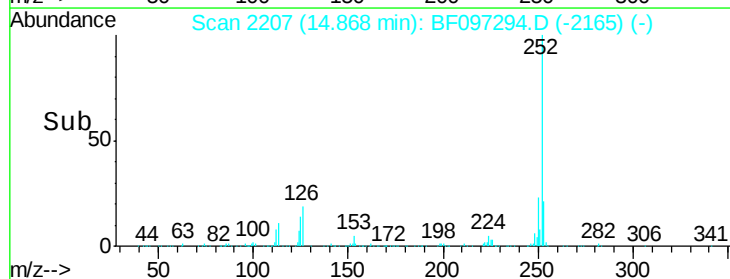
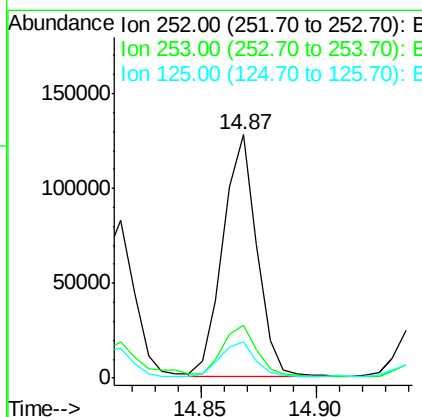
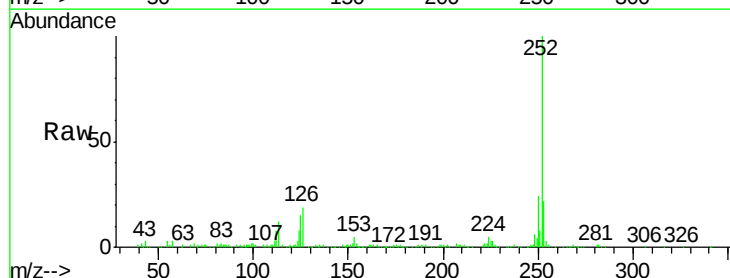
Instrument :
BNA_F
ClientSampleId :

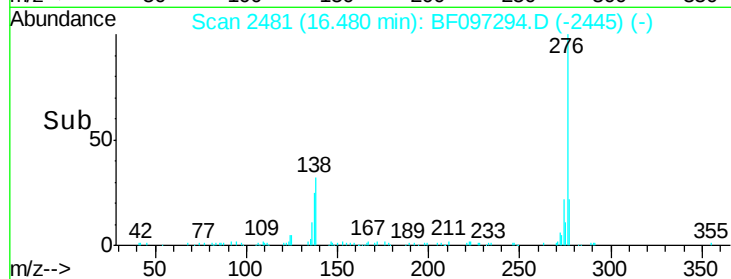
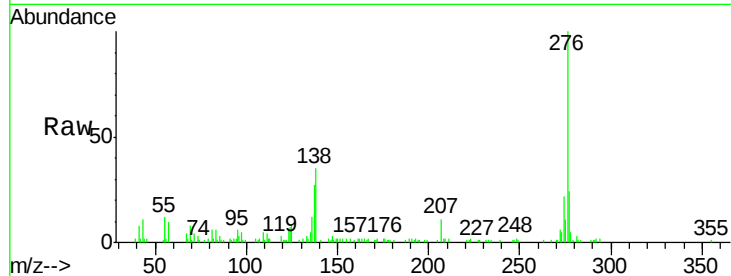
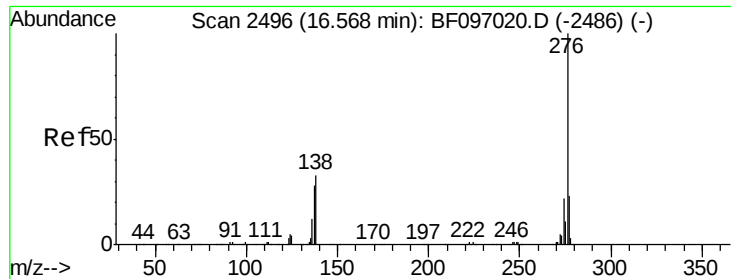
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.4	27.6
125	14.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 19.35 ng
RT: 14.87 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.1	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 9.51 ng

RT: 16.48 min Scan# 2481

Delta R.T. -0.09 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 55328

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 35.4 25.4 38.0

