

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097345.D
 Acq On : 4 Aug 2017 4:32
 Operator : SJ/JU
 Sample : I4522-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 05:37:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	95778	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	369747	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	151239	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	220323	20.00	ng	-0.06
75) Chrysene-d12	13.58	240	131378	20.00	ng	-0.05
86) Perylene-d12	14.92	264	109518	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.05	112	668566	105.23	ng	-0.05
7) Phenol-d6	6.13	99	854722	117.84	ng	-0.04
23) Nitrobenzene-d5	7.02	82	457900	72.65	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	118732	99.36	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	697464	78.26	ng	-0.06
78) Terphenyl-d14	12.53	244	475804	73.84	ng	-0.06

Target Compounds

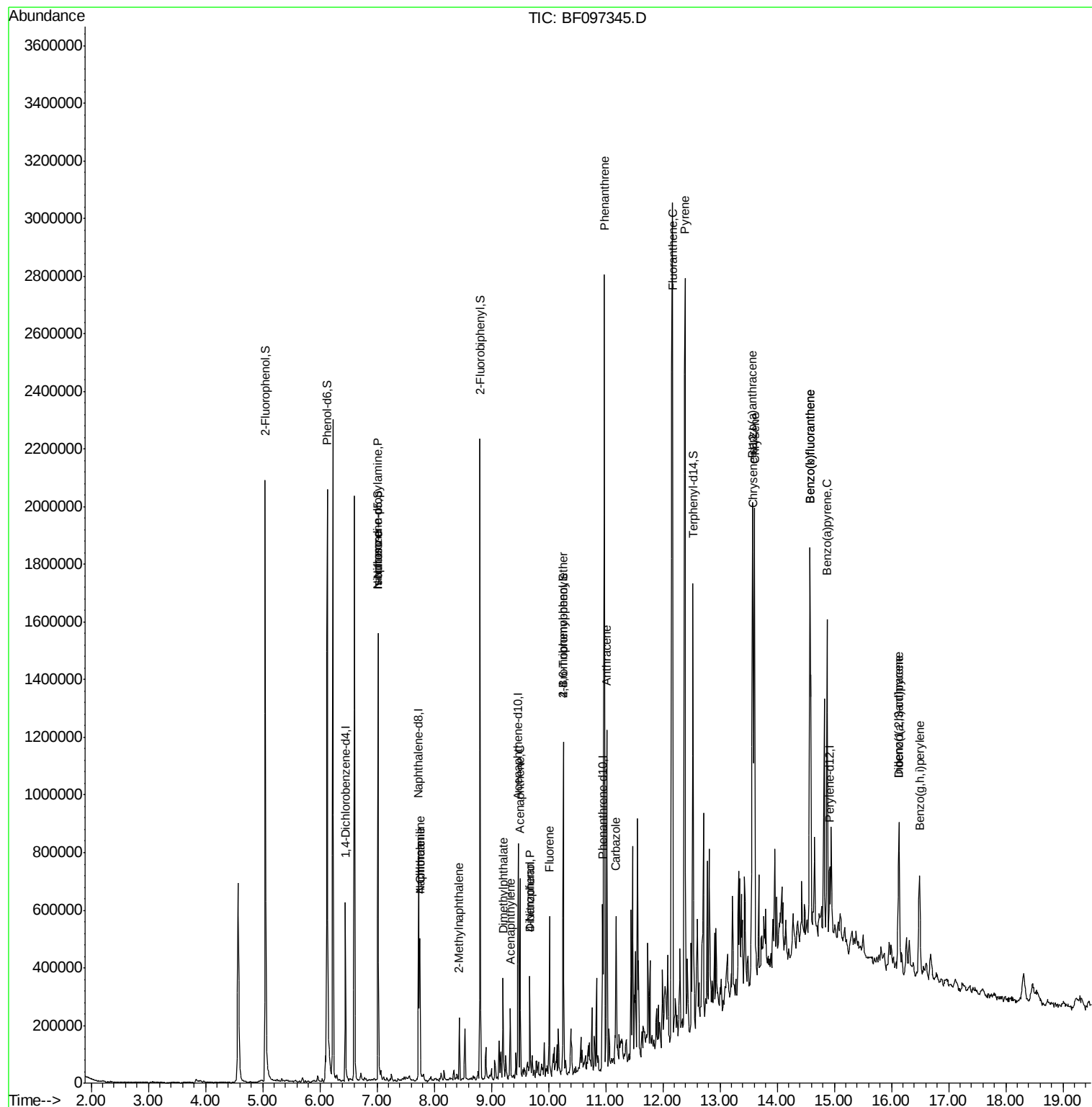
						Qvalue
19) n-Nitroso-di-n-propylamine	7.02	70	61521	12.886	ng	# 88
25) Isophorone	7.02	82	444115	35.980	ng	# 67
31) Naphthalene	7.75	128	194225	11.143	ng	98
33) 4-Chloroaniline	7.75	127	25654	3.617	ng	# 39
37) 2-Methylnaphthalene	8.44	142	57159	5.180	ng	98
48) Acenaphthylene	9.33	152	85772	5.878	ng	97
49) Dimethylphthalate	9.20	163	113340	9.869	ng	99
51) Acenaphthene	9.50	154	133352	15.516	ng	100
54) Dibenzofuran	9.67	168	109934	9.603	ng	99
55) 4-Nitrophenol	9.67	139	41286	22.962	ng	# 28
57) Fluorene	10.02	166	143405	16.667	ng	99
66) 4-Bromophenyl-phenylether	10.26	248	7228	3.287	ng	# 1
70) Phenanthrene	10.97	178	1199380	101.599	ng	99
71) Anthracene	11.02	178	410945	33.988	ng	99
72) Carbazole	11.18	167	198132	16.662	ng	98
74) Fluoranthene	12.17	202	1650541	142.721	ng	99
77) Pyrene	12.39	202	1453385	135.130	ng	99
80) Benzo(a)anthracene	13.57	228	814446	95.809	ng	98
82) Chrysene	13.60	228	651970	78.544	ng	98
85) Indeno(1,2,3-cd)pyrene	16.13	276	282072	39.630	ng	94
87) Benzo(b)fluoranthene	14.57	252	979179	148.735	ng	98
88) Benzo(k)fluoranthene	14.57	252	979179	156.085	ng	98
89) Benzo(a)pyrene	14.87	252	493148	81.847	ng	96
90) Dibenzo(a,h)anthracene	16.13	278	77410	15.667	ng	91
91) Benzo(g,h,i)perylene	16.49	276	262012	50.567	ng	98

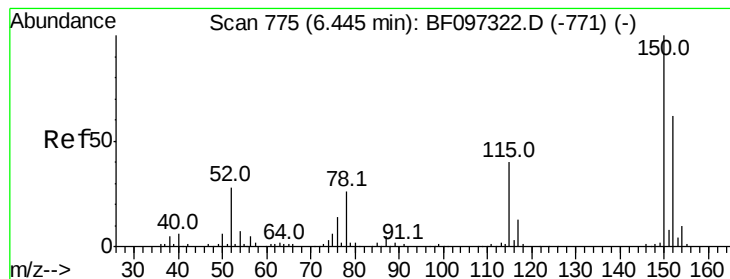
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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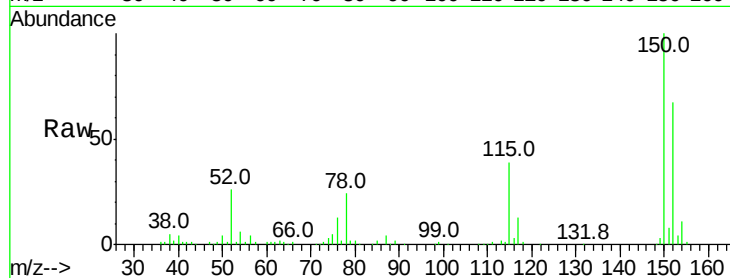


#1

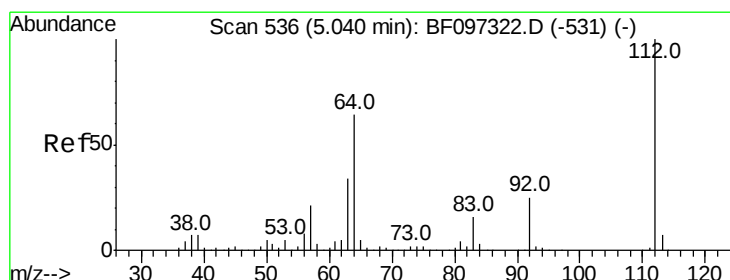
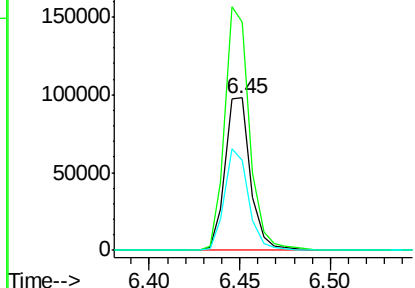
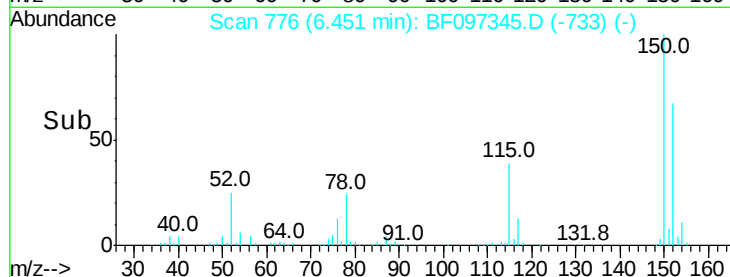
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.45 min Scan# 776
 Delta R.T. -0.05 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 95778
 Ion Ratio Lower Upper
 152 100
 150 149.9 126.2 189.2
 115 58.8 52.2 78.2



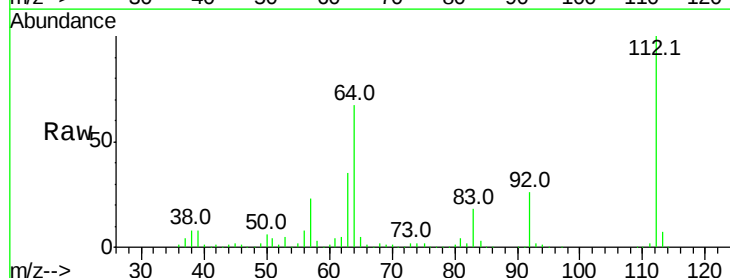
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



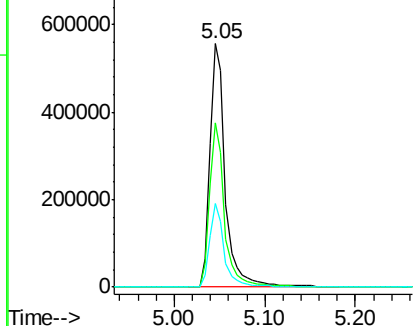
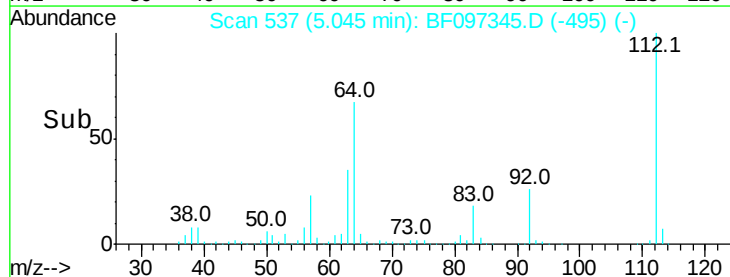
#5

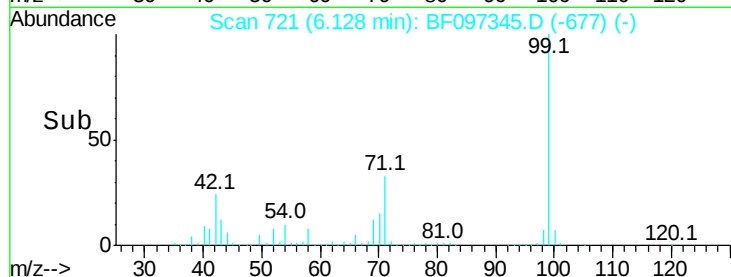
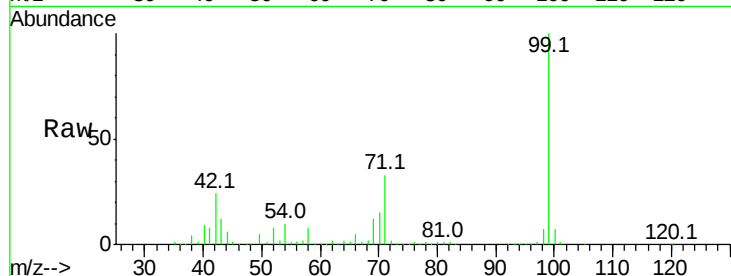
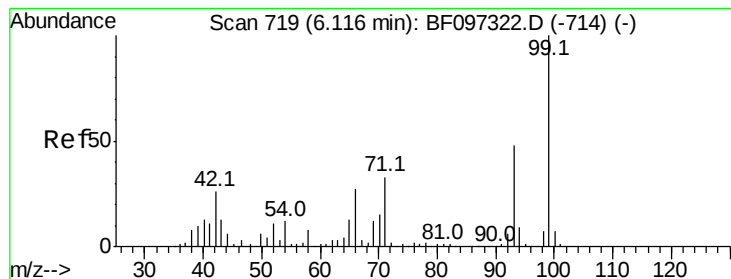
2-Fluorophenol
 Concen: 105.228 ng
 RT: 5.05 min Scan# 537
 Delta R.T. -0.05 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Tgt Ion:112 Resp: 668566
 Ion Ratio Lower Upper
 112 100
 64 67.4 46.0 69.0
 63 34.5 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: 117.840 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

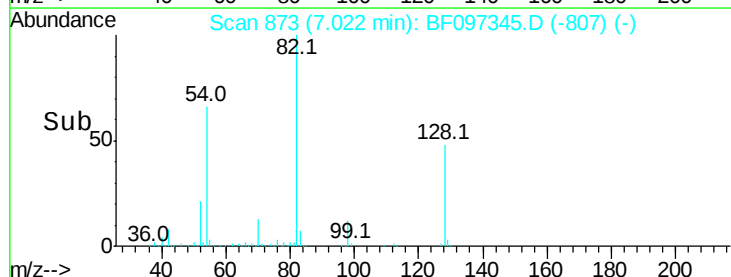
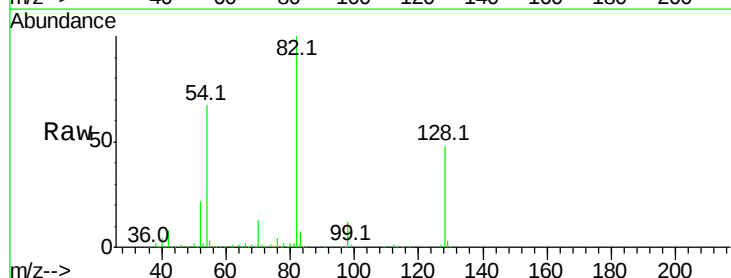
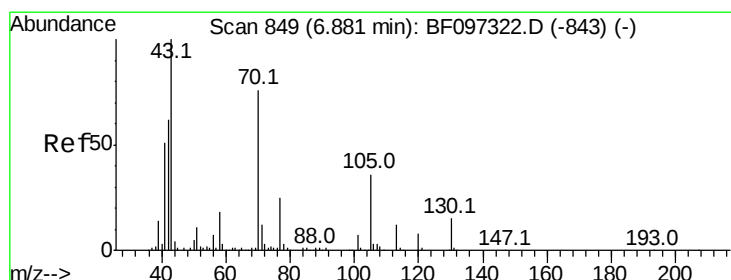
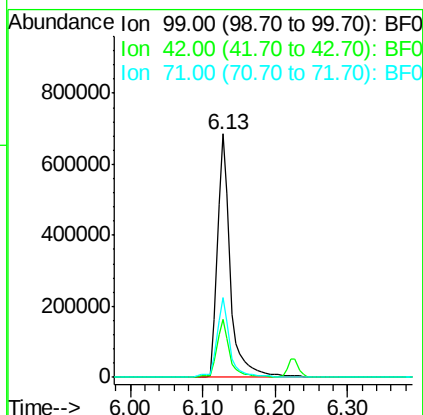
Tot Ion: 99 Resp: 854722

Ion Ratio Lower Upper

99 100

42 24.0 13.5 20.3#

71 32.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.886 ng

RT: 7.02 min Scan# 873

Delta R.T. 0.09 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Tgt Ion: 70 Resp: 61521

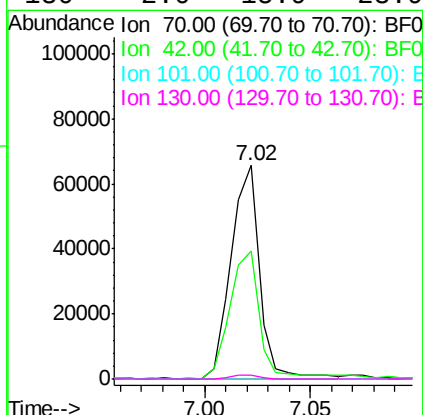
Ion Ratio Lower Upper

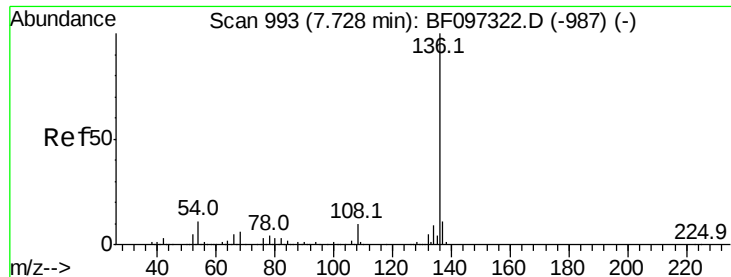
70 100

42 59.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

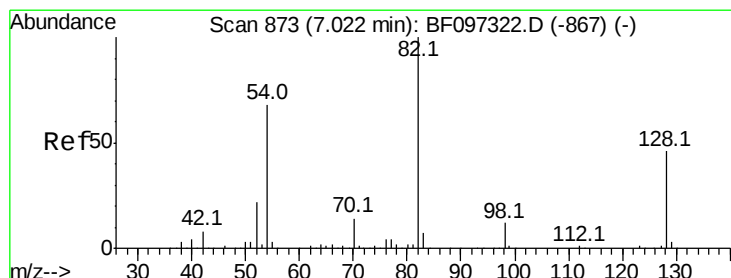
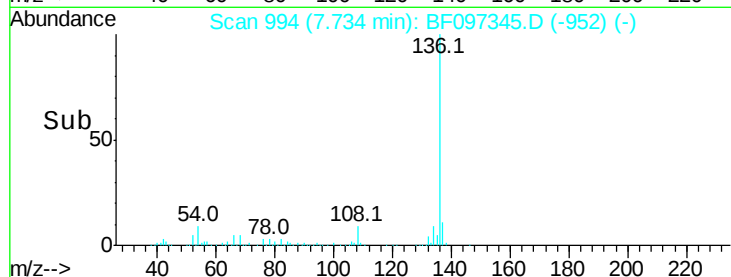
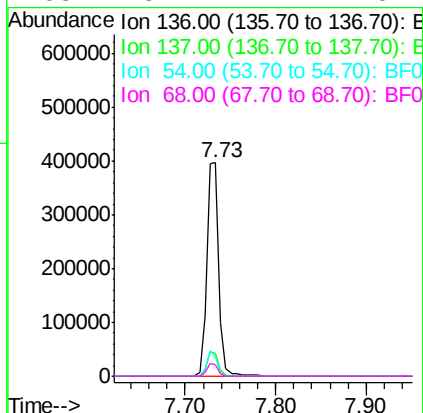
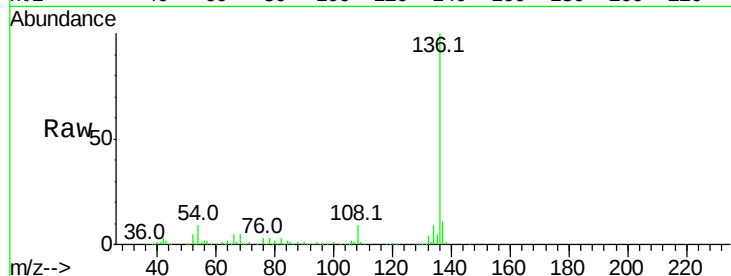




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

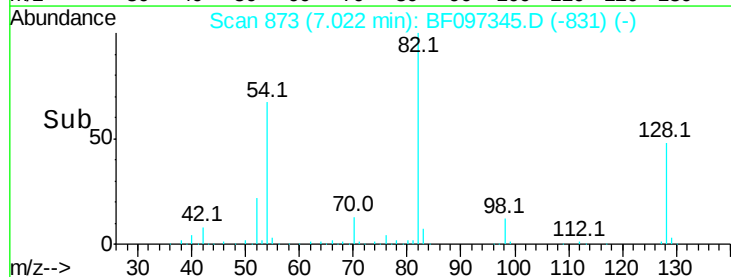
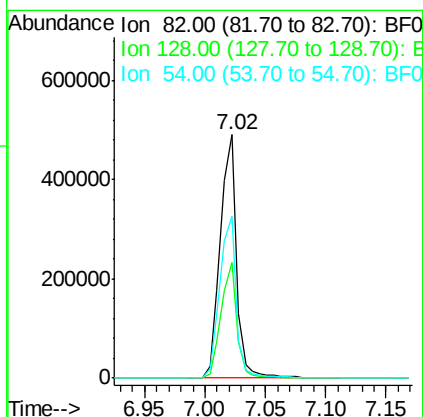
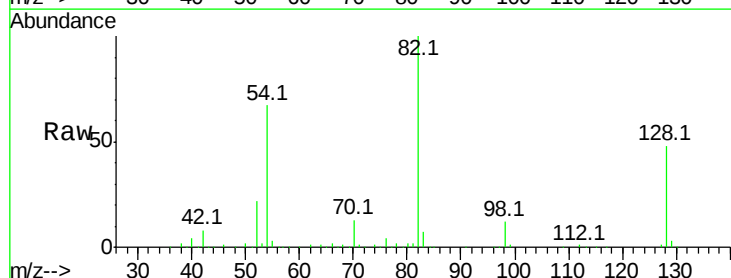
Instrument :
BNA_F
ClientSampleId :

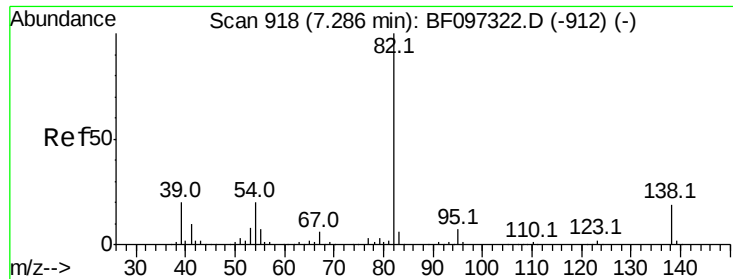
Tot Ion:	136	Resp:	369747
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.1	4.9	7.3#
68	5.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 72.650 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.05 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

Tgt Ion:	82	Resp:	457900
Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.0	51.0
54	66.5	42.2	63.2#





#25

Isophorone

Concen: 35.980 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.32 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

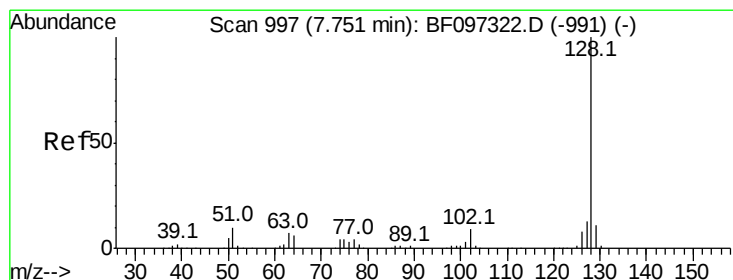
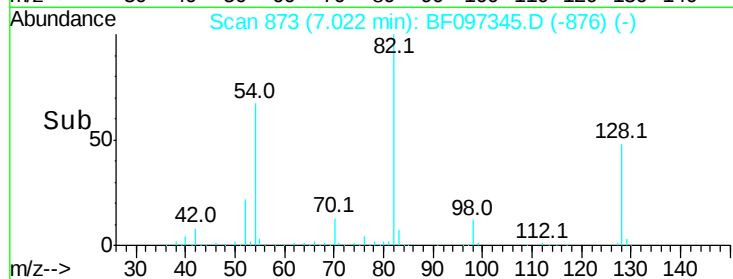
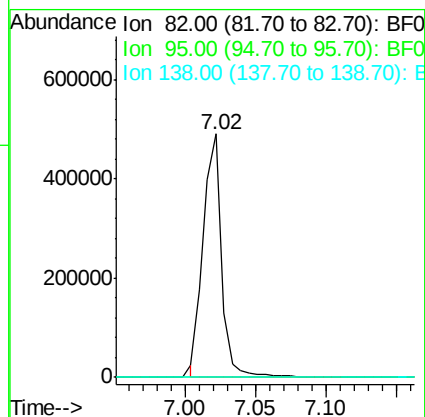
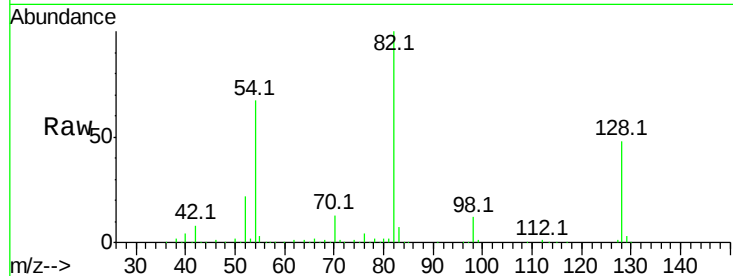
Tot Ion: 82 Resp: 444115

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#31

Naphthalene

Concen: 11.143 ng

RT: 7.75 min Scan# 997

Delta R.T. -0.06 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

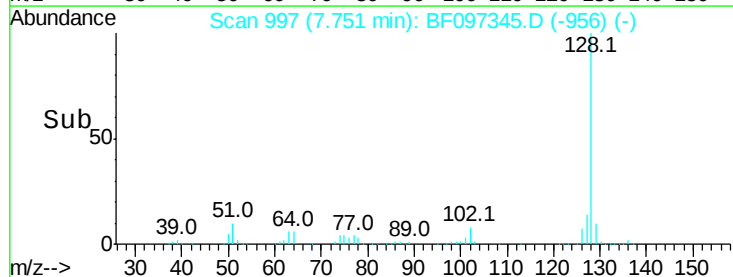
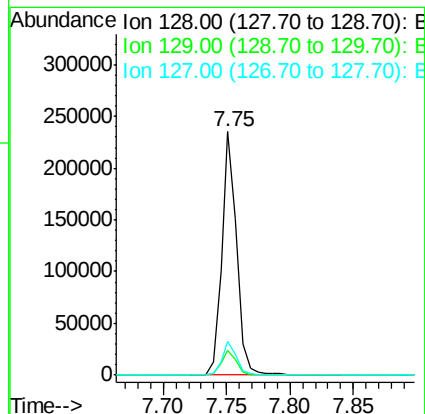
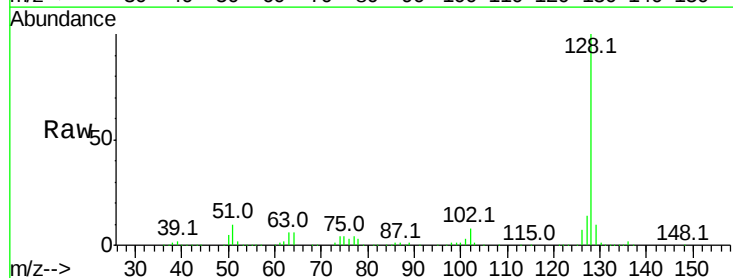
Tgt Ion:128 Resp: 194225

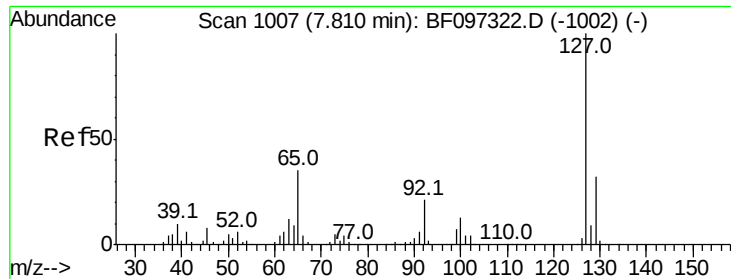
Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.6

127 13.7 10.8 16.2

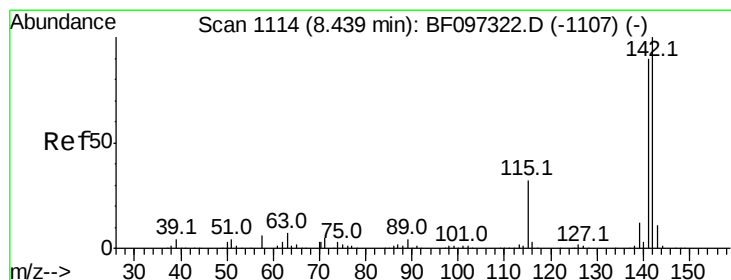
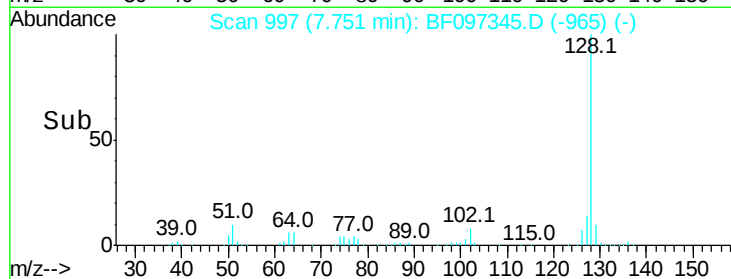
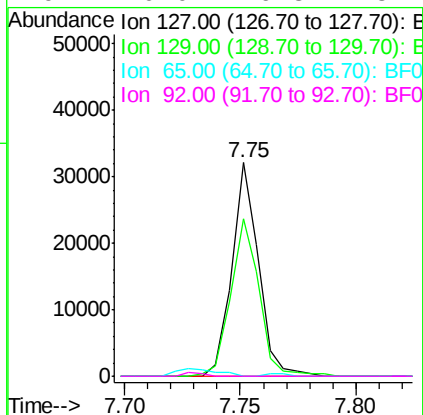
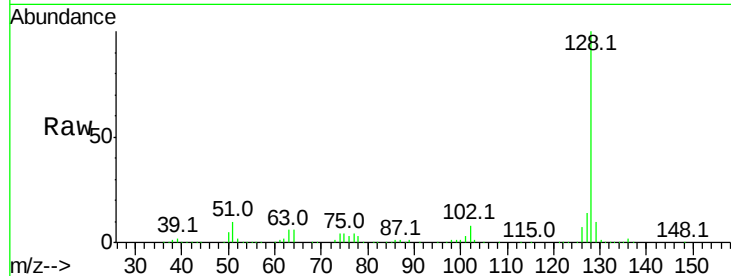




#33
4-Chloroaniline
Concen: 3.617 ng
RT: 7.75 min Scan# 997
Delta R.T. -0.11 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

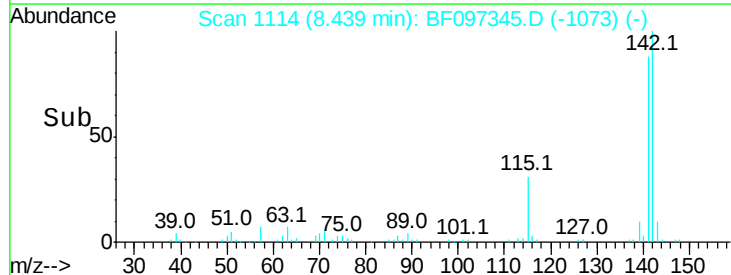
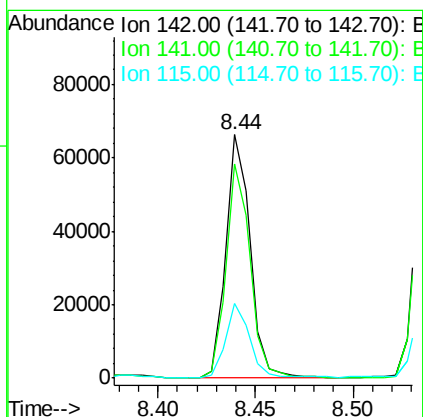
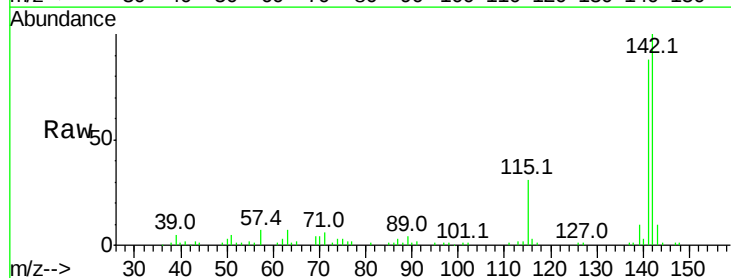
Instrument :
BNA_F
ClientSampleId :

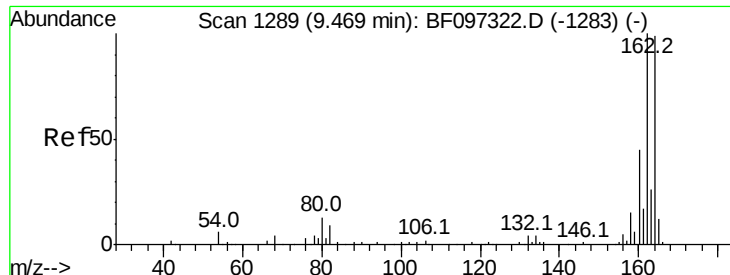
Tot Ion:	127	Resp:	25654
Ion	Ratio	Lower	Upper
127	100		
129	73.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 5.180 ng
RT: 8.44 min Scan# 1114
Delta R.T. -0.06 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

Tgt Ion:	142	Resp:	57159
Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.3	106.9
115	30.9	27.1	40.7

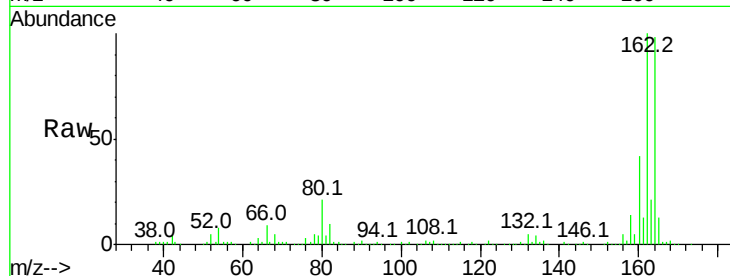




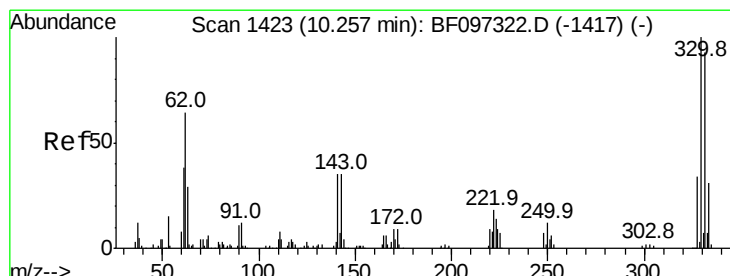
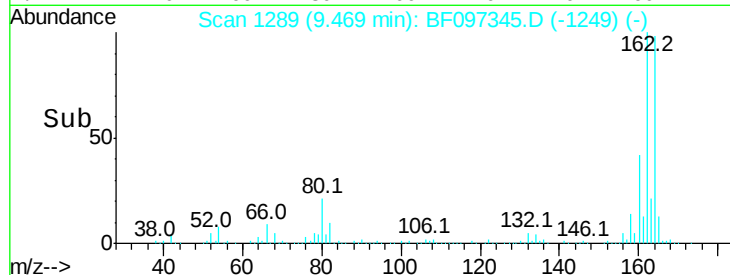
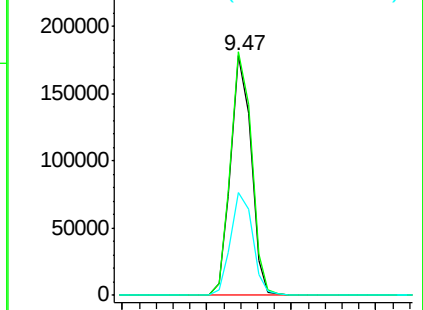
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	43.1	36.2	54.2

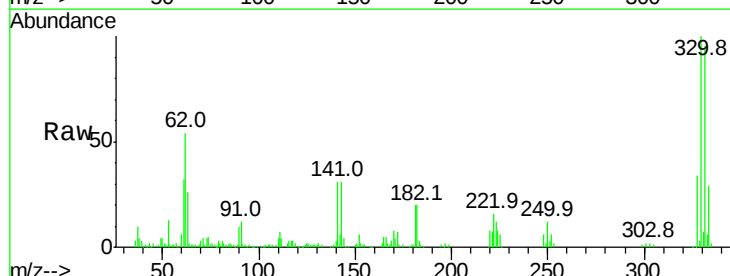


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

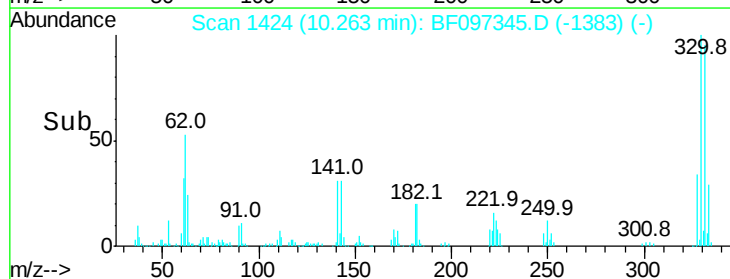
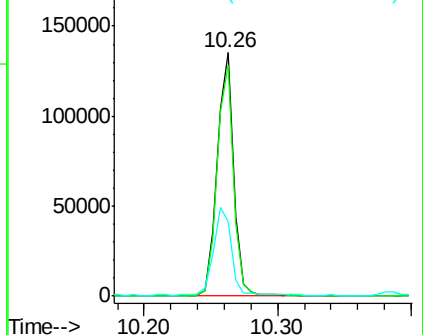


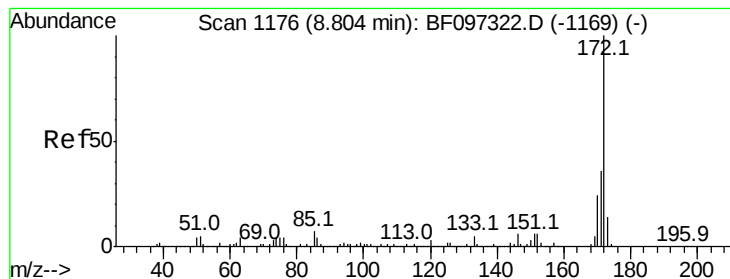
#41
 2,4,6-Tribromophenol
 Concen: 99.363 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	39.6	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

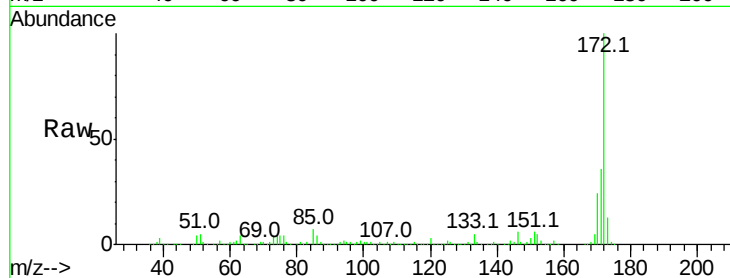




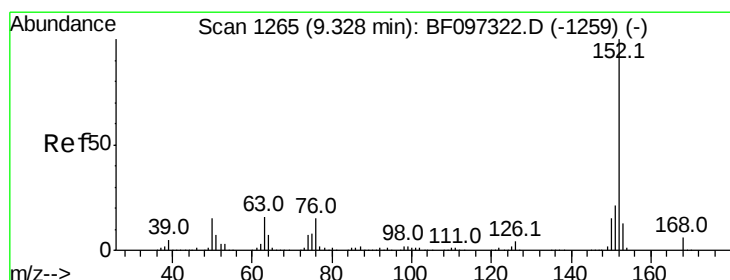
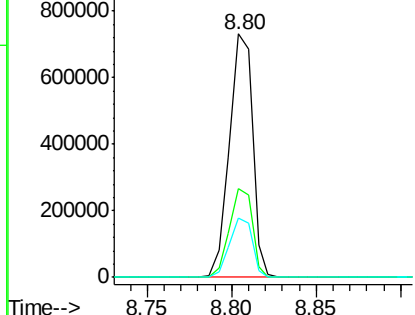
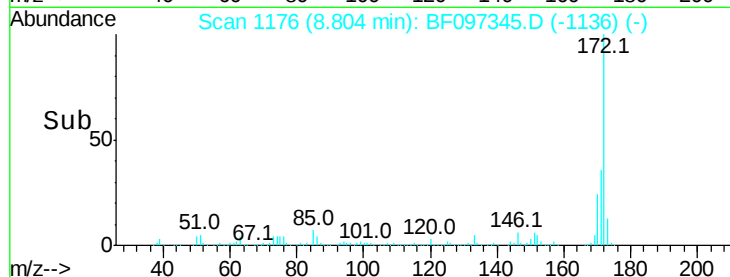
#44
 2-Fluorobiphenyl
 Concen: 78.264 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.06 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 697464
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.3 19.8 29.8

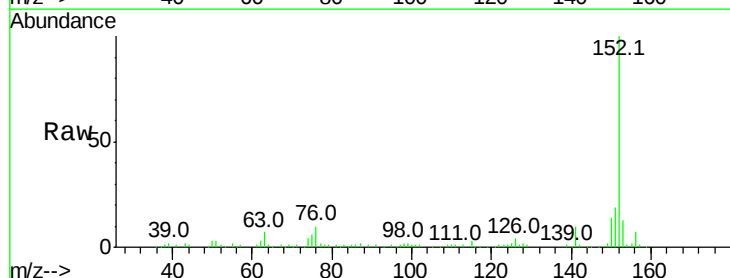


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

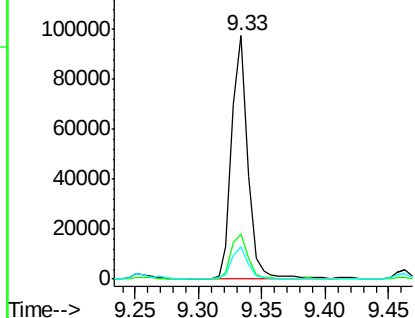
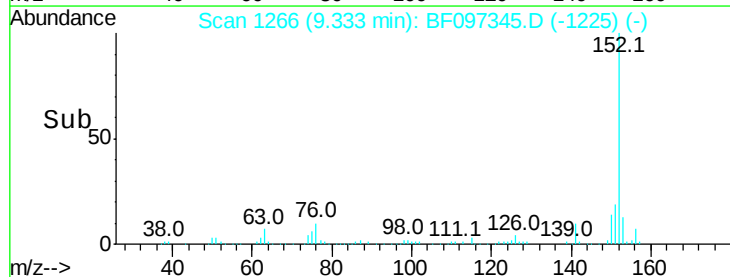


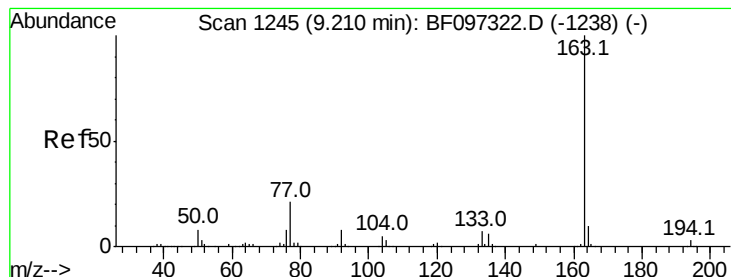
#48
 Acenaphthylene
 Concen: 5.878 ng
 RT: 9.33 min Scan# 1266
 Delta R.T. -0.06 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Tgt Ion:152 Resp: 85772
 Ion Ratio Lower Upper
 152 100
 151 18.6 16.8 25.2
 153 13.5 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 9.869 ng

RT: 9.20 min Scan# 1244

Delta R.T. -0.07 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

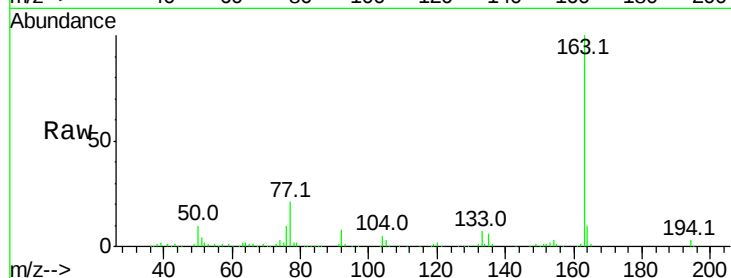
Tot Ion:163 Resp: 113340

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

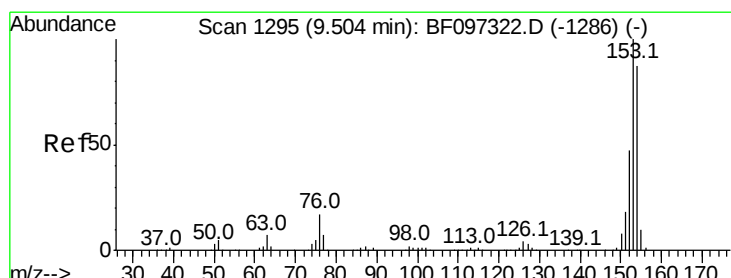
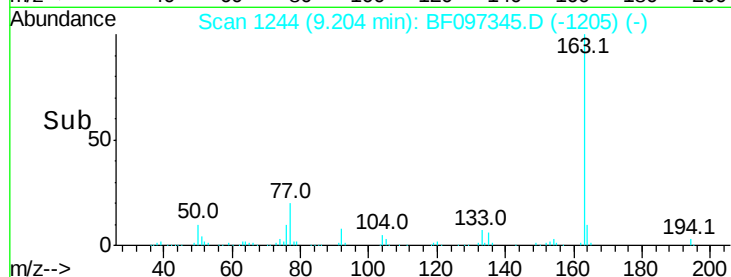
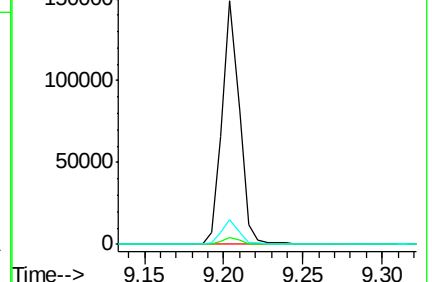
164 10.1 8.4 12.6



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



#51

Acenaphthene

Concen: 15.516 ng

RT: 9.50 min Scan# 1295

Delta R.T. -0.06 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

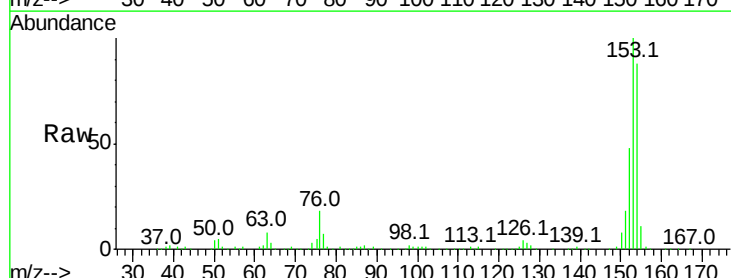
Tgt Ion:154 Resp: 133352

Ion Ratio Lower Upper

154 100

153 113.4 90.5 135.7

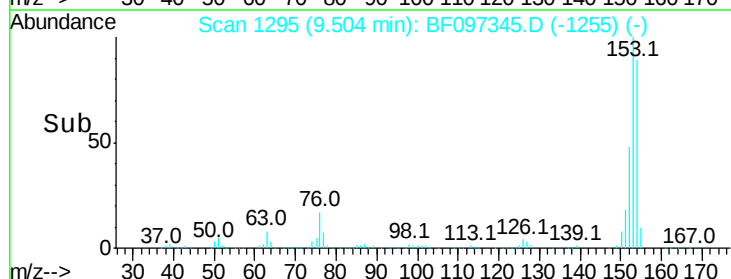
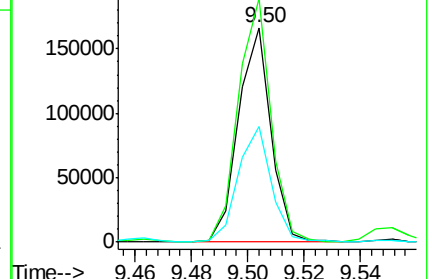
152 54.0 43.6 65.4

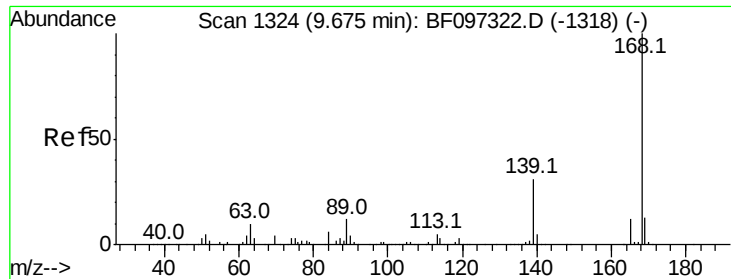


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

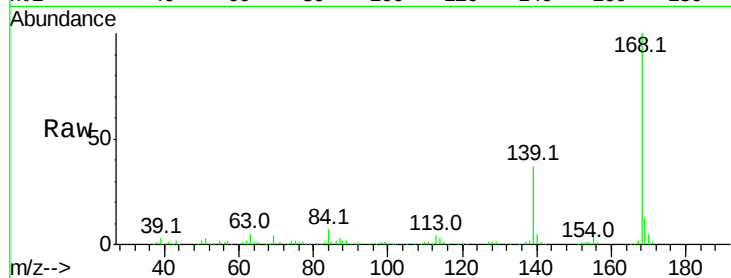




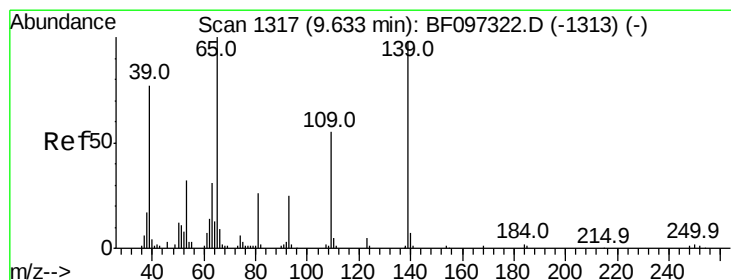
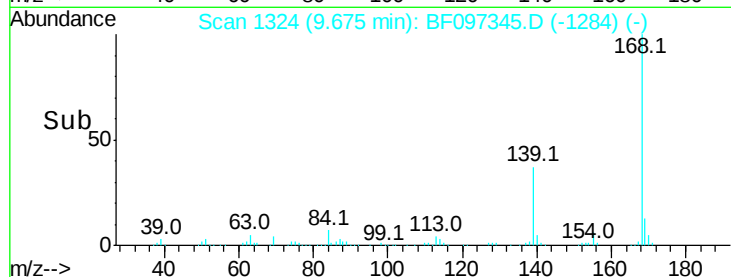
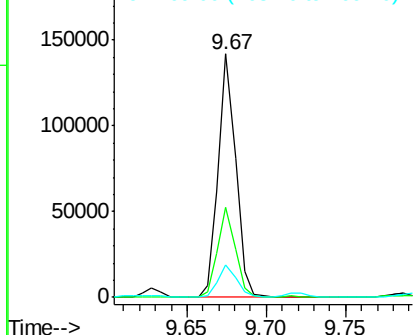
#54
Dibenzenofuran
Concen: 9.603 ng
RT: 9.67 min Scan# 1324
Delta R.T. -0.06 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.6	45.8
169	13.4	10.8	16.2

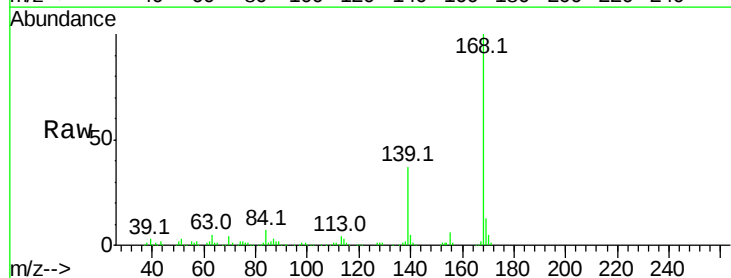


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

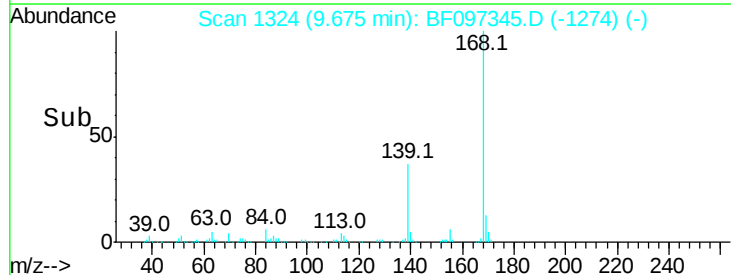
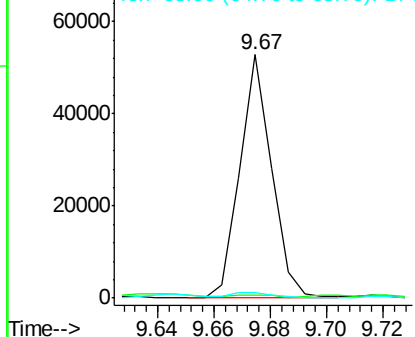


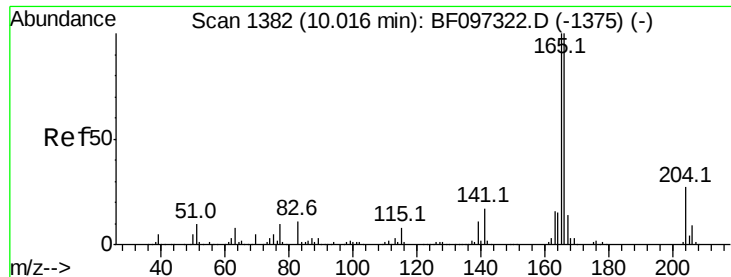
#55
4-Nitrophenol
Concen: 22.962 ng
RT: 9.67 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.0	34.1	74.1#
65	2.1	31.4	71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 16.667 ng

RT: 10.02 min Scan# 1382

Delta R.T. -0.06 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

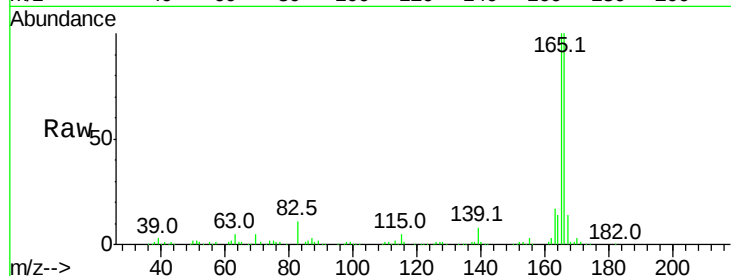
Tot Ion:166 Resp: 143405

Ion Ratio Lower Upper

166 100

165 99.7 78.8 118.2

167 14.0 10.6 16.0

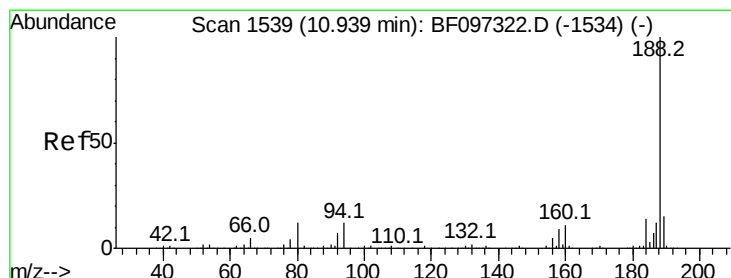
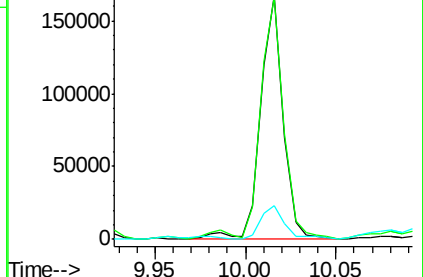
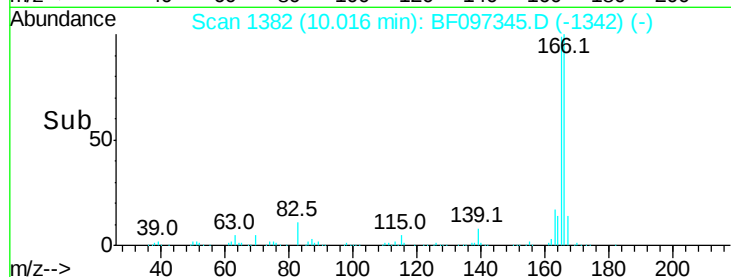


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.95 min Scan# 1540

Delta R.T. -0.06 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

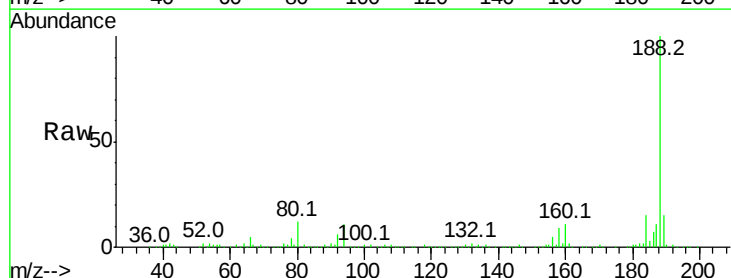
Tgt Ion:188 Resp: 220323

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

80 11.5 10.2 15.2

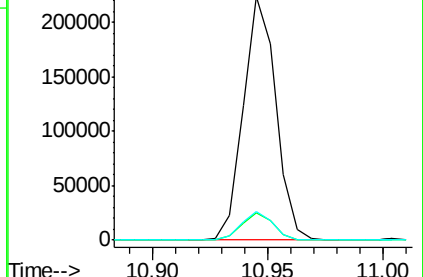
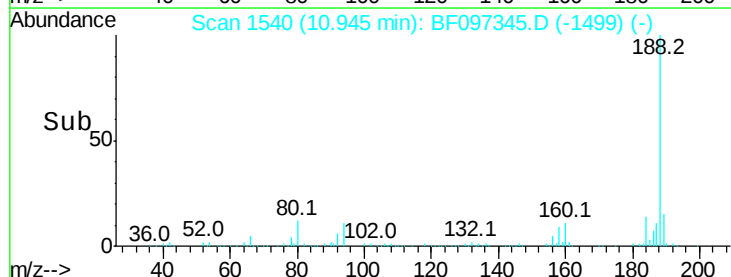


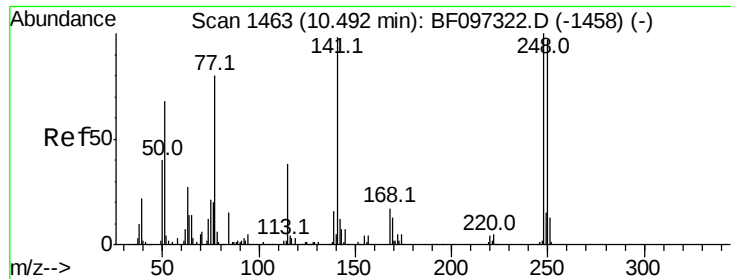
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->

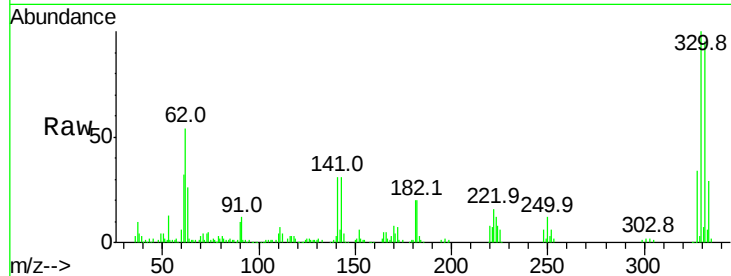




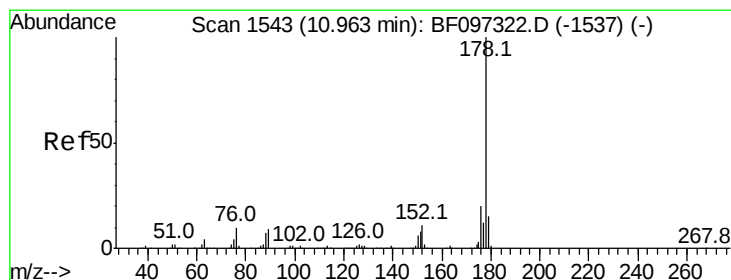
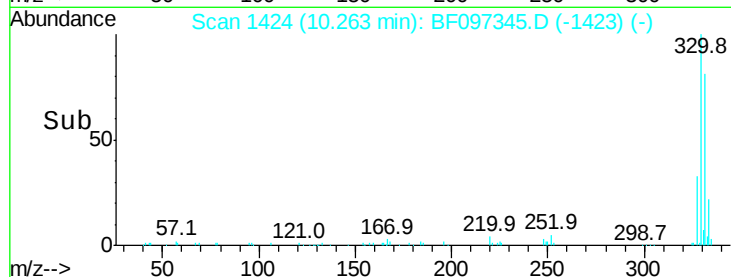
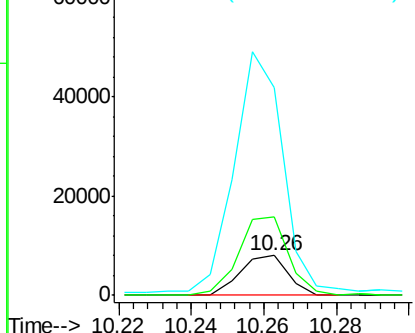
#66
 4-Bromophenyl-phenylether
 Concen: 3.287 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.29 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7228
 Ion Ratio Lower Upper
 248 100
 250 197.2 76.8 115.2#
 141 518.9 68.6 103.0#

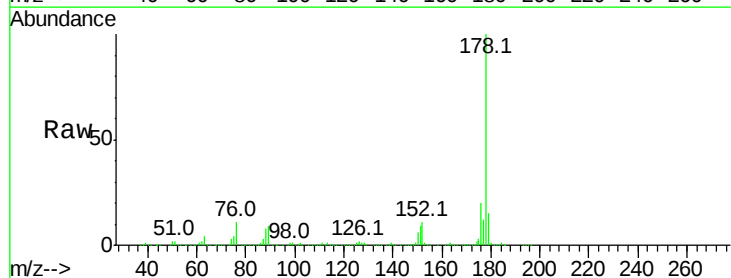


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

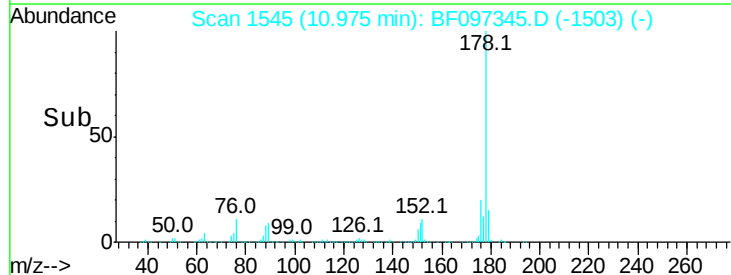
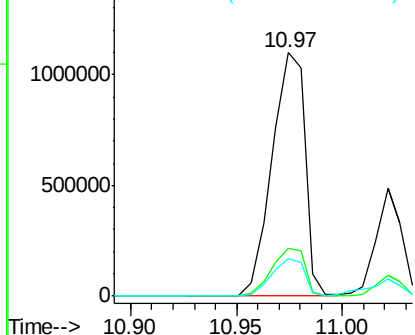


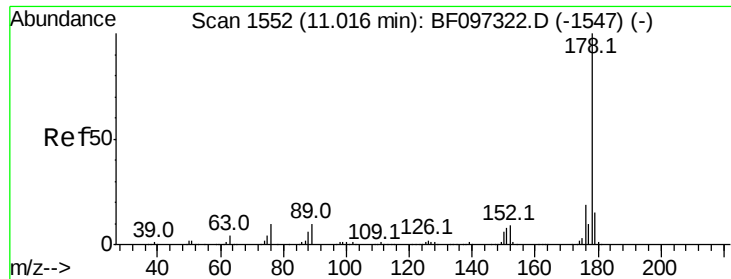
#70
 Phenanthrene
 Concen: 101.599 ng
 RT: 10.97 min Scan# 1545
 Delta R.T. -0.05 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Tgt Ion:178 Resp: 1199380
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.2 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

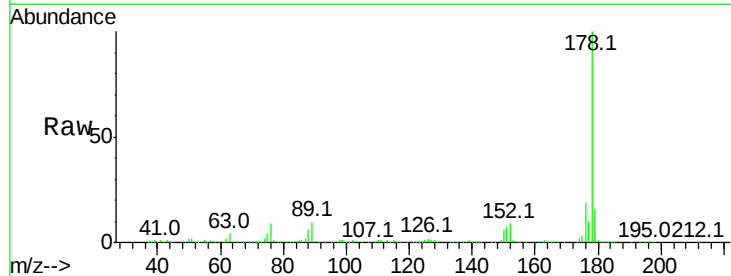




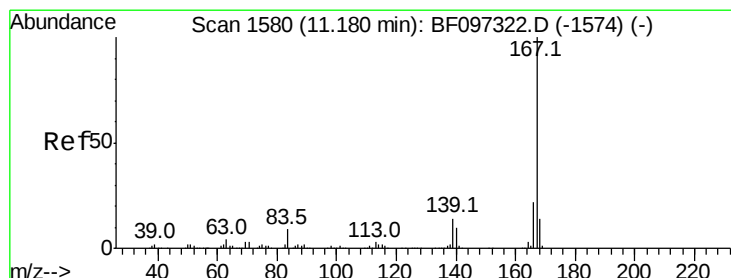
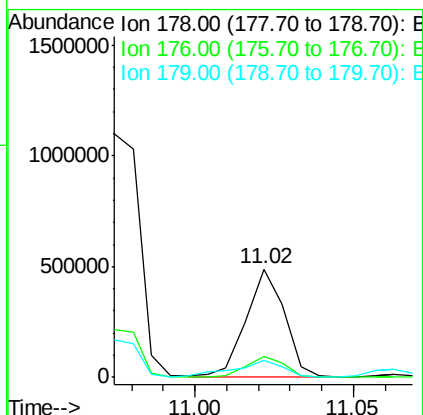
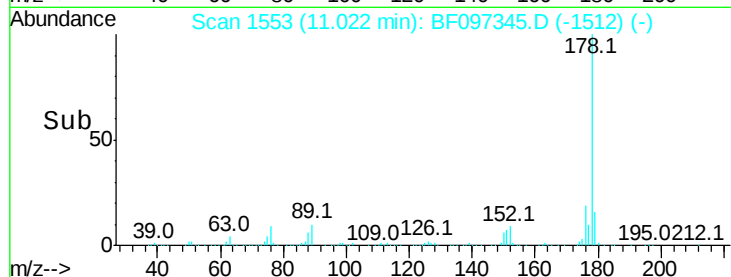
#71
 Anthracene
 Concen: 33.988 ng
 RT: 11.02 min Scan# 1553
 Delta R.T. -0.06 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 410945
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.8 12.7 19.1

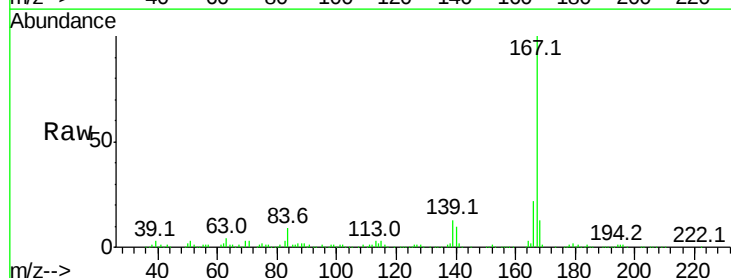


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

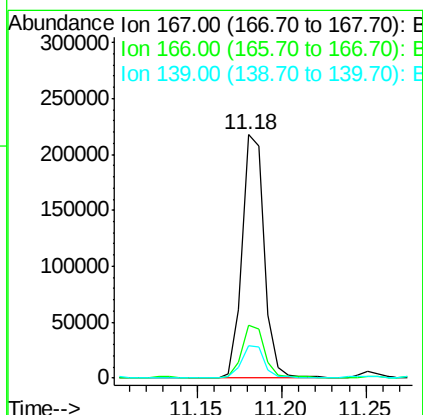
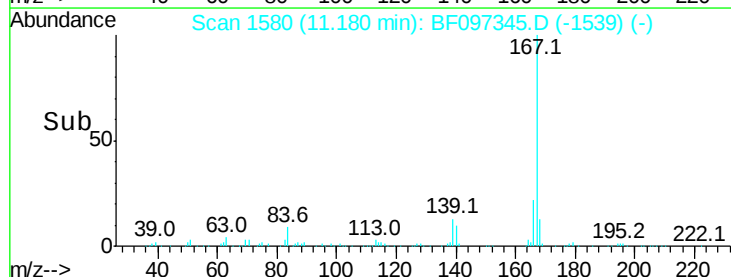


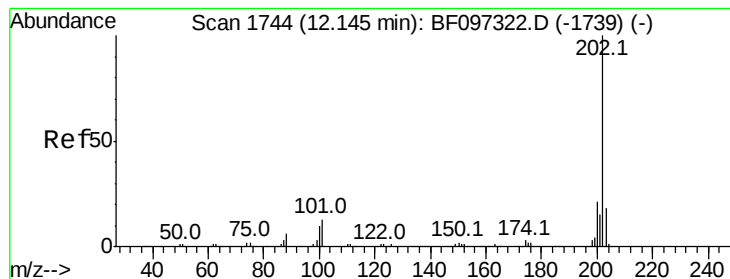
#72
 Carbazole
 Concen: 16.662 ng
 RT: 11.18 min Scan# 1580
 Delta R.T. -0.06 min
 Lab File: BF097345.D
 Acq: 4 Aug 2017 4:32

Tgt Ion:167 Resp: 198132
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.1 27.1
 139 13.1 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: 142.721 ng

RT: 12.17 min Scan# 1748

Delta R.T. -0.04 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

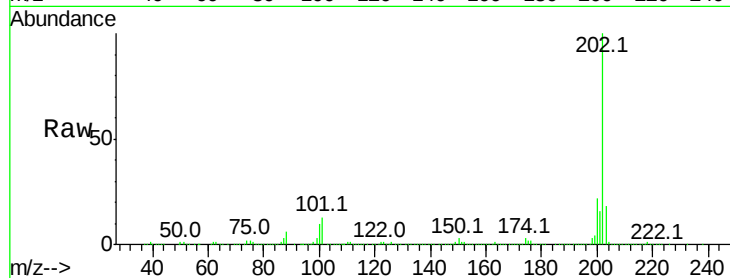
Tot Ion:202 Resp: 1650541

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

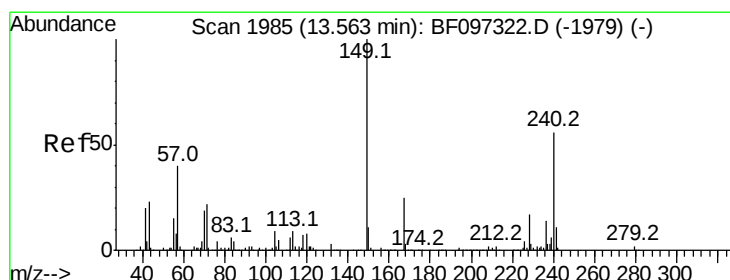
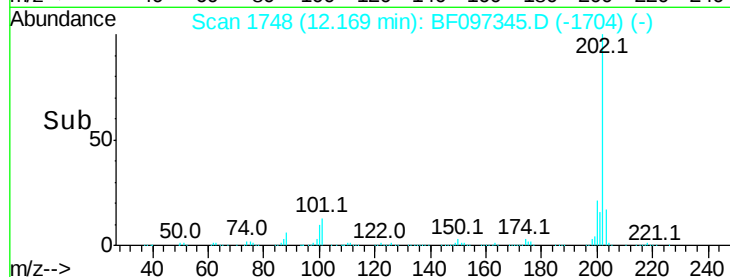
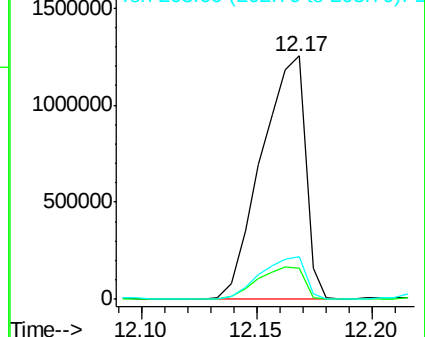
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.58 min Scan# 1988

Delta R.T. -0.05 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

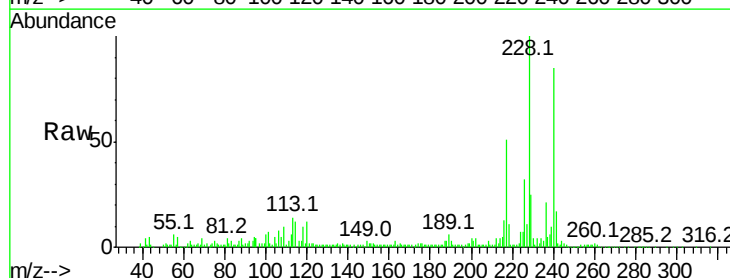
Tgt Ion:240 Resp: 131378

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

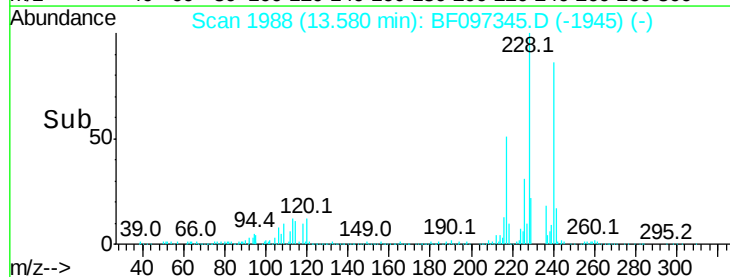
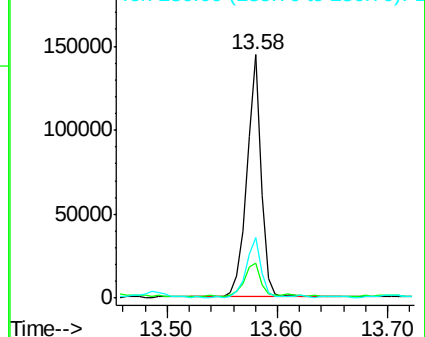
236 24.9 20.5 30.7

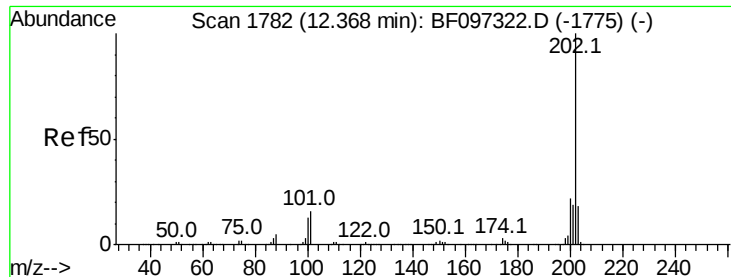


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 135.130 ng

RT: 12.39 min Scan# 1786

Delta R.T. -0.04 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

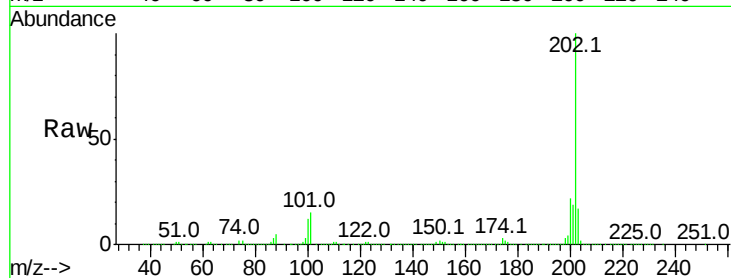
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1453385

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	17.0	14.4	21.6



Abundance

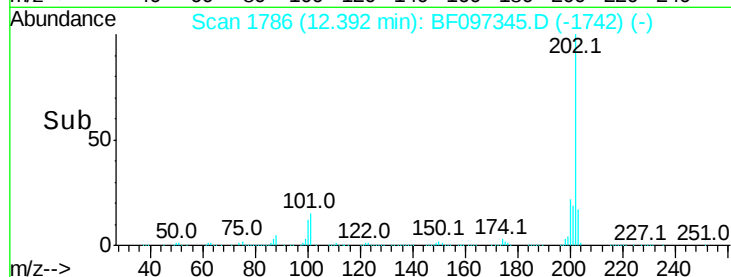
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

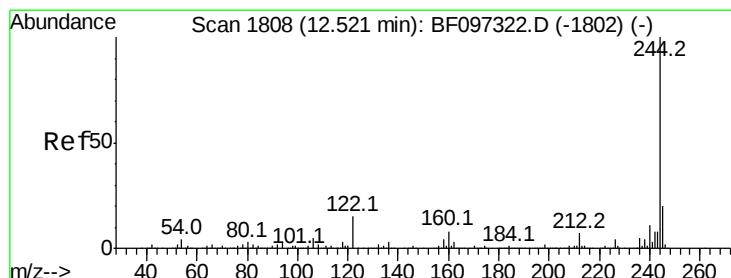
Ion 203.00 (202.70 to 203.70): E

12.39

Time-->



Time-->



#78

Terphenyl-d14

Concen: 73.840 ng

RT: 12.53 min Scan# 1809

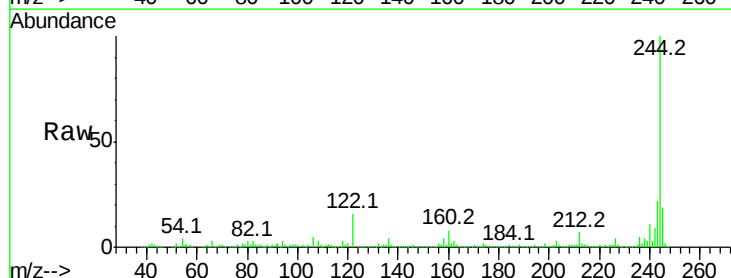
Delta R.T. -0.06 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Tgt Ion:244 Resp: 475804

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.8	10.3	15.5



Abundance

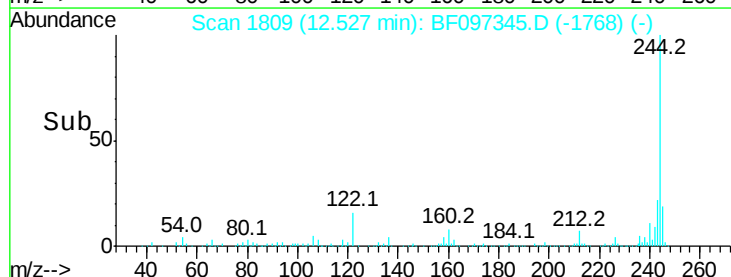
Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

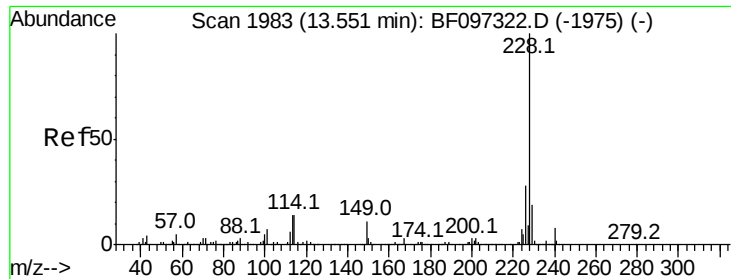
Ion 122.00 (121.70 to 122.70): E

12.53

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 95.809 ng

RT: 13.57 min Scan# 1986

Delta R.T. -0.05 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

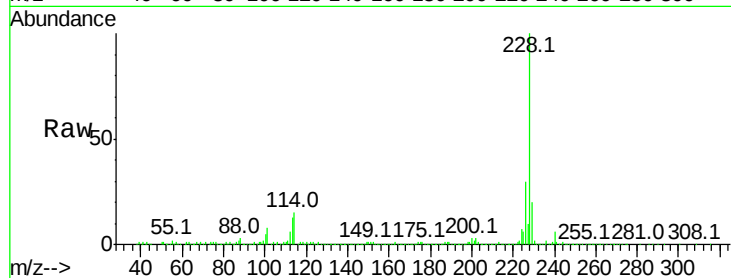
Tot Ion:228 Resp: 814446

Ion Ratio Lower Upper

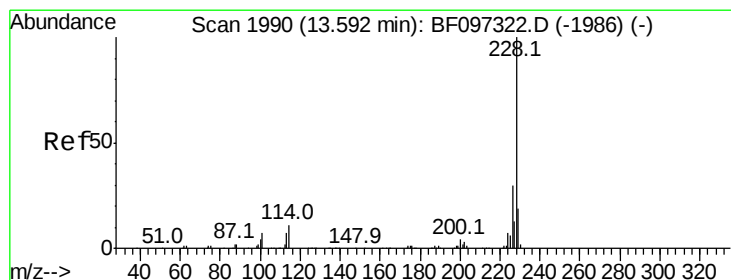
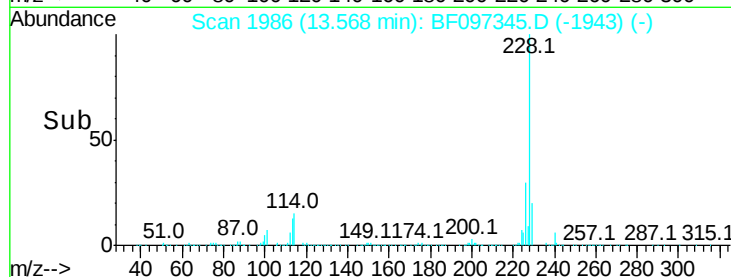
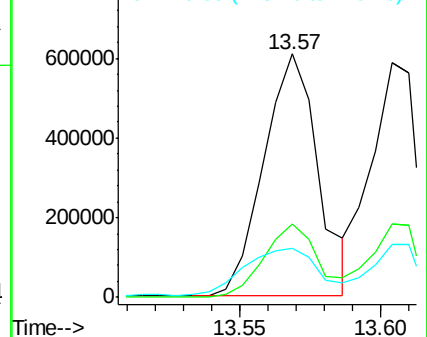
228 100

226 30.3 22.6 33.8

229 20.4 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: 78.544 ng

RT: 13.60 min Scan# 1992

Delta R.T. -0.05 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

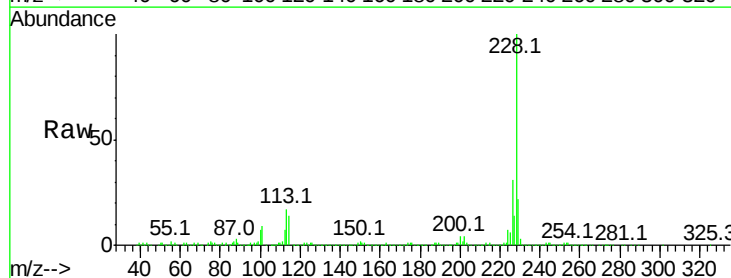
Tgt Ion:228 Resp: 651970

Ion Ratio Lower Upper

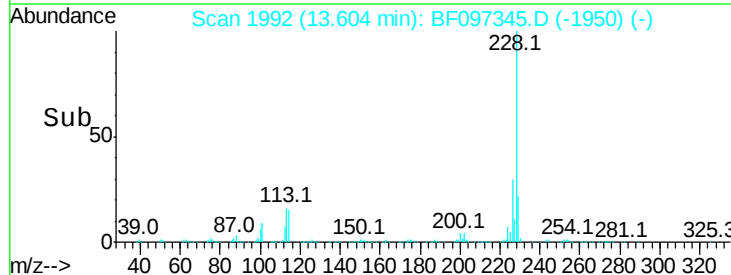
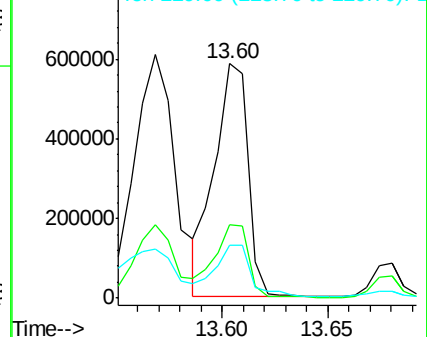
228 100

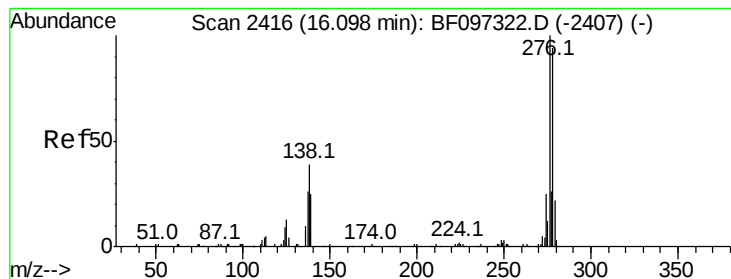
226 31.2 24.9 37.3

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





#85

Indeno(1,2,3-cd)pyrene

Concen: 39.630 ng

RT: 16.13 min Scan# 2422

Delta R.T. -0.07 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

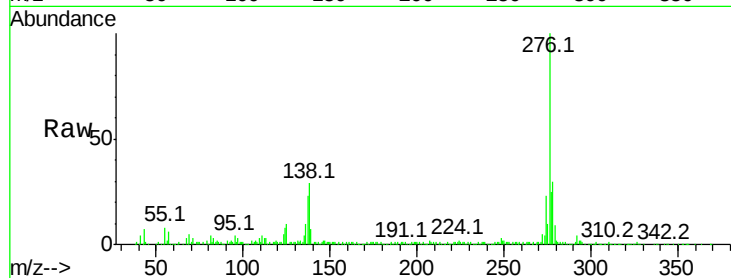
Tot Ion:276 Resp: 282072

Ion Ratio Lower Upper

276 100

138 29.6 27.8 41.6

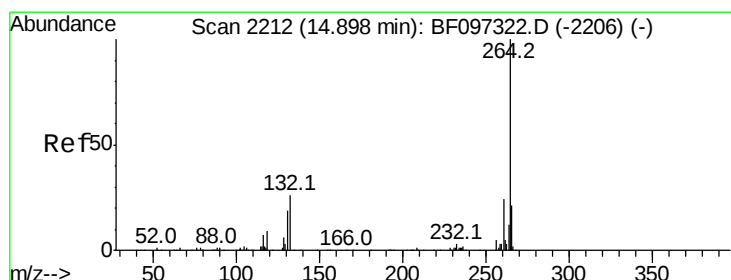
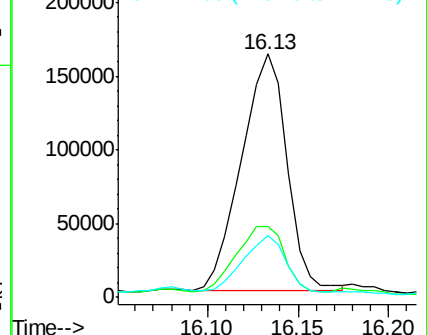
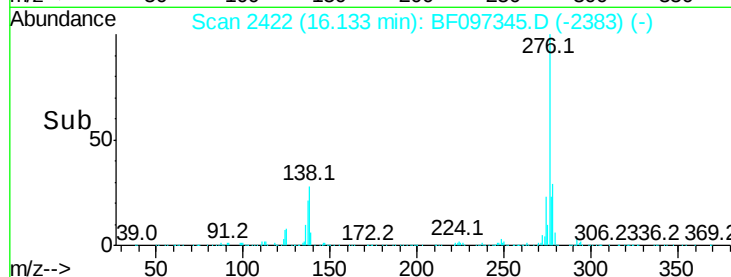
277 26.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 14.92 min Scan# 2216

Delta R.T. -0.05 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

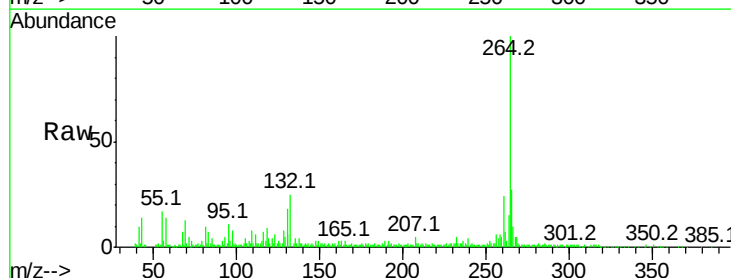
Tgt Ion:264 Resp: 109518

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

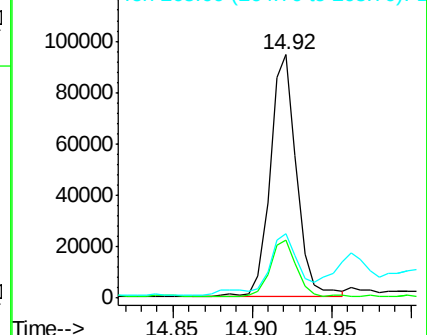
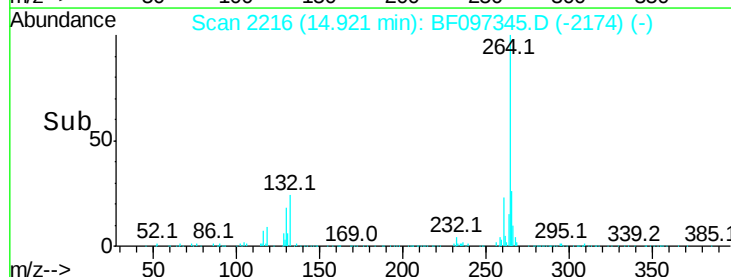
265 26.6 17.2 25.8#

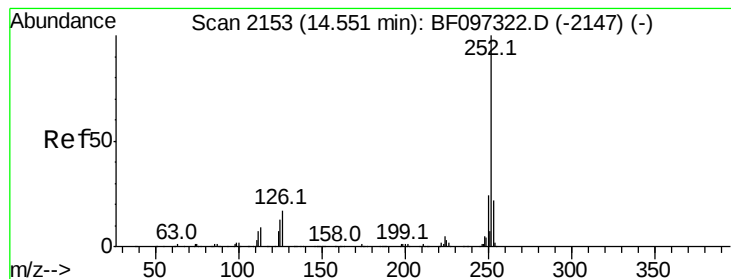


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 148.735 ng

RT: 14.57 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

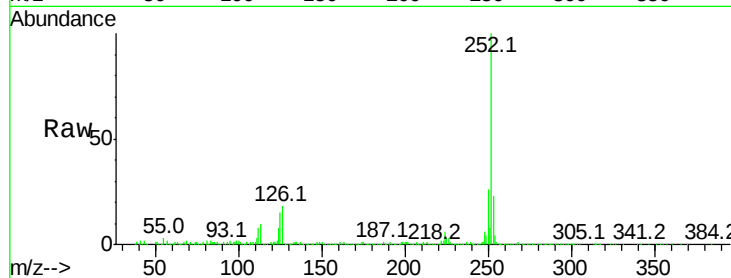
Tot Ion:252 Resp: 979179

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

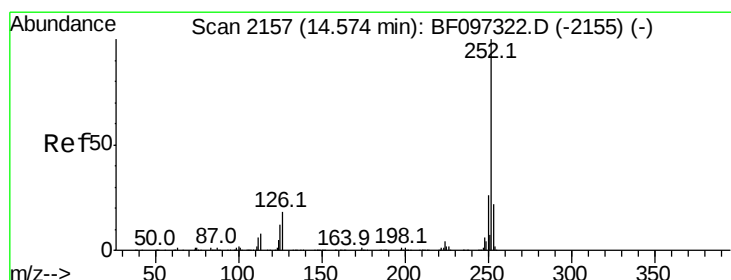
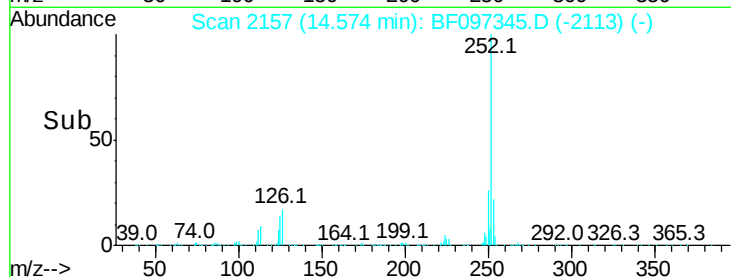
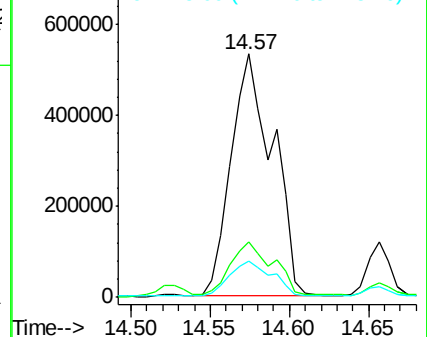
125 14.7 9.8 14.8



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: 156.085 ng

RT: 14.57 min Scan# 2157

Delta R.T. -0.07 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

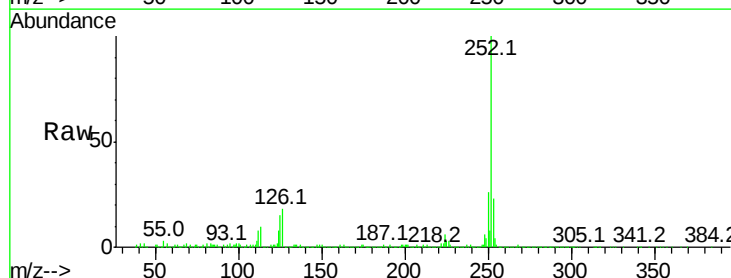
Tgt Ion:252 Resp: 979179

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

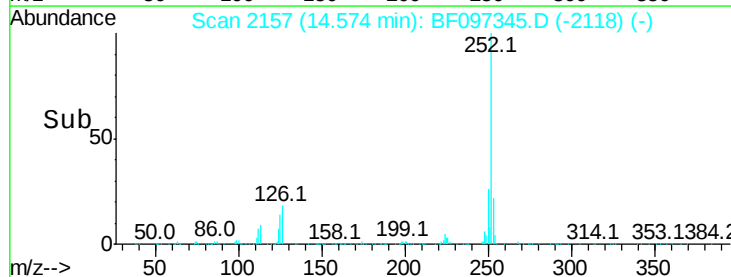
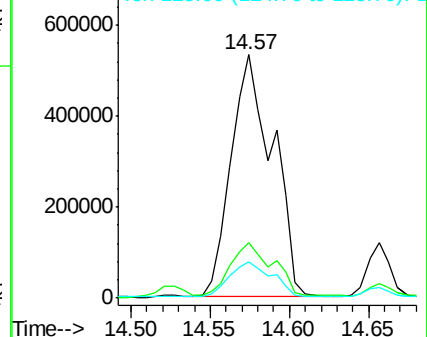
125 14.7 13.1 19.7

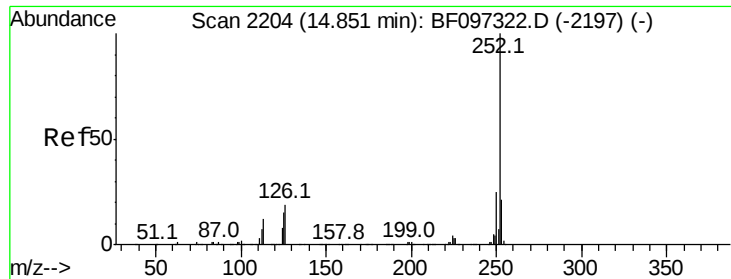


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

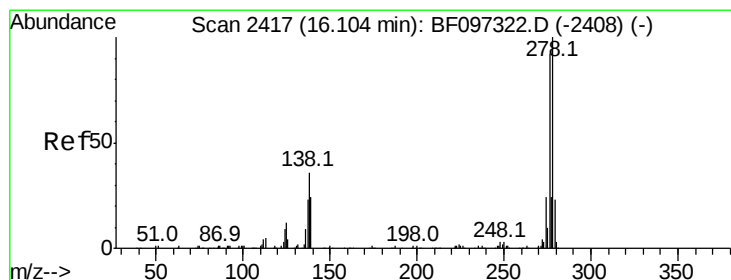
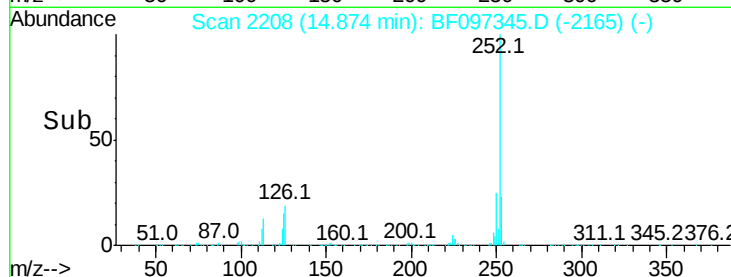
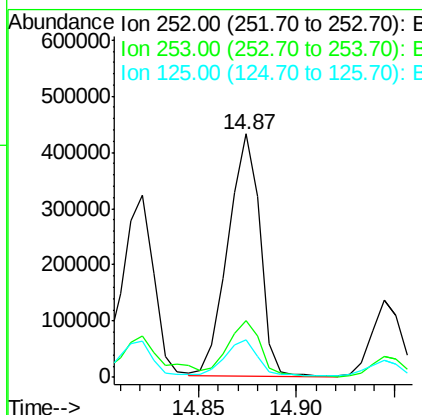
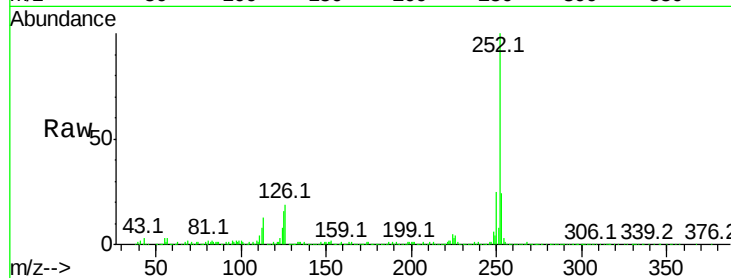




#89
Benzo(a)pyrene
Concen: 81.847 ng
RT: 14.87 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

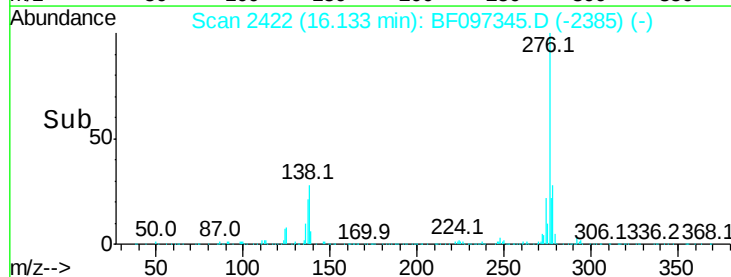
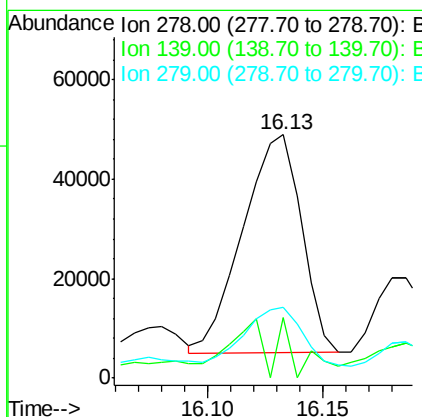
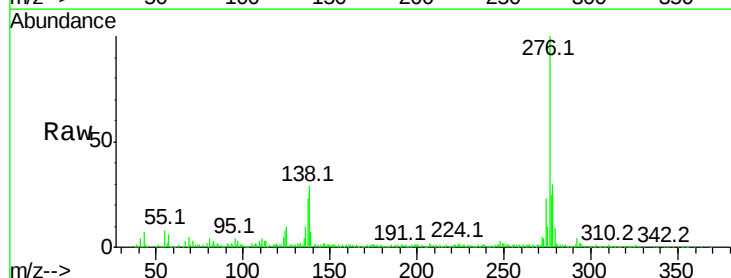
Instrument :
BNA_F
ClientSampleId :

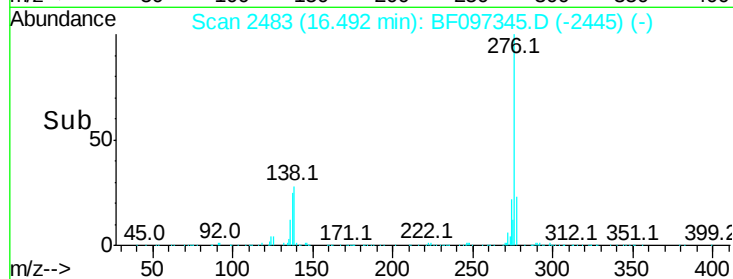
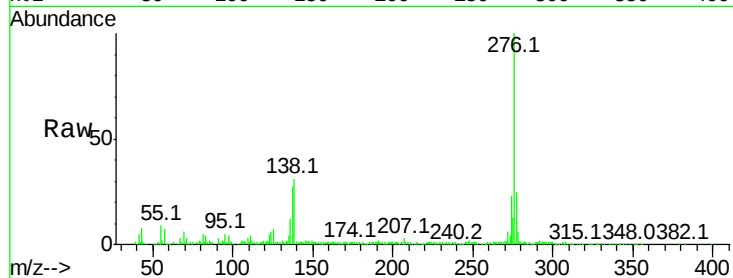
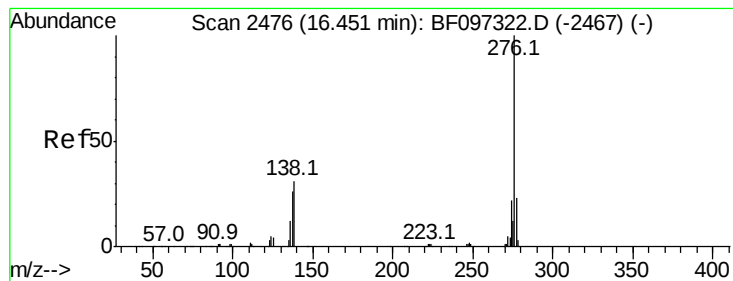
Tot Ion:252 Resp: 493148
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 15.6 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 15.667 ng
RT: 16.13 min Scan# 2422
Delta R.T. -0.08 min
Lab File: BF097345.D
Acq: 4 Aug 2017 4:32

Tgt Ion:278 Resp: 77410
Ion Ratio Lower Upper
278 100
139 24.8 16.6 24.8
279 28.8 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 50.567 ng

RT: 16.49 min Scan# 2483

Delta R.T. -0.08 min

Lab File: BF097345.D

Acq: 4 Aug 2017 4:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 262012

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 31.2 25.4 38.0

