

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097123.D
 Acq On : 27 Jul 2017 15:33
 Operator : SJ/JU
 Sample : I4421-02DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 16:26:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 16:02:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	90354	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	331418	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	141508	20.00	ng	0.00
63) Phenanthrene-d10	10.99	188	214438	20.00	ng	0.00
75) Chrysene-d12	13.62	240	181234	20.00	ng	0.00
86) Perylene-d12	14.96	264	156869	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.09	112	152578	25.46	ng	0.00
7) Phenol-d6	6.15	99	189214	27.65	ng	0.00
23) Nitrobenzene-d5	7.05	82	121625	21.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	26102	23.35	ng	0.00
44) 2-Fluorobiphenyl	8.85	172	180800	21.68	ng	0.00
78) Terphenyl-d14	12.57	244	132822	14.94	ng	0.00

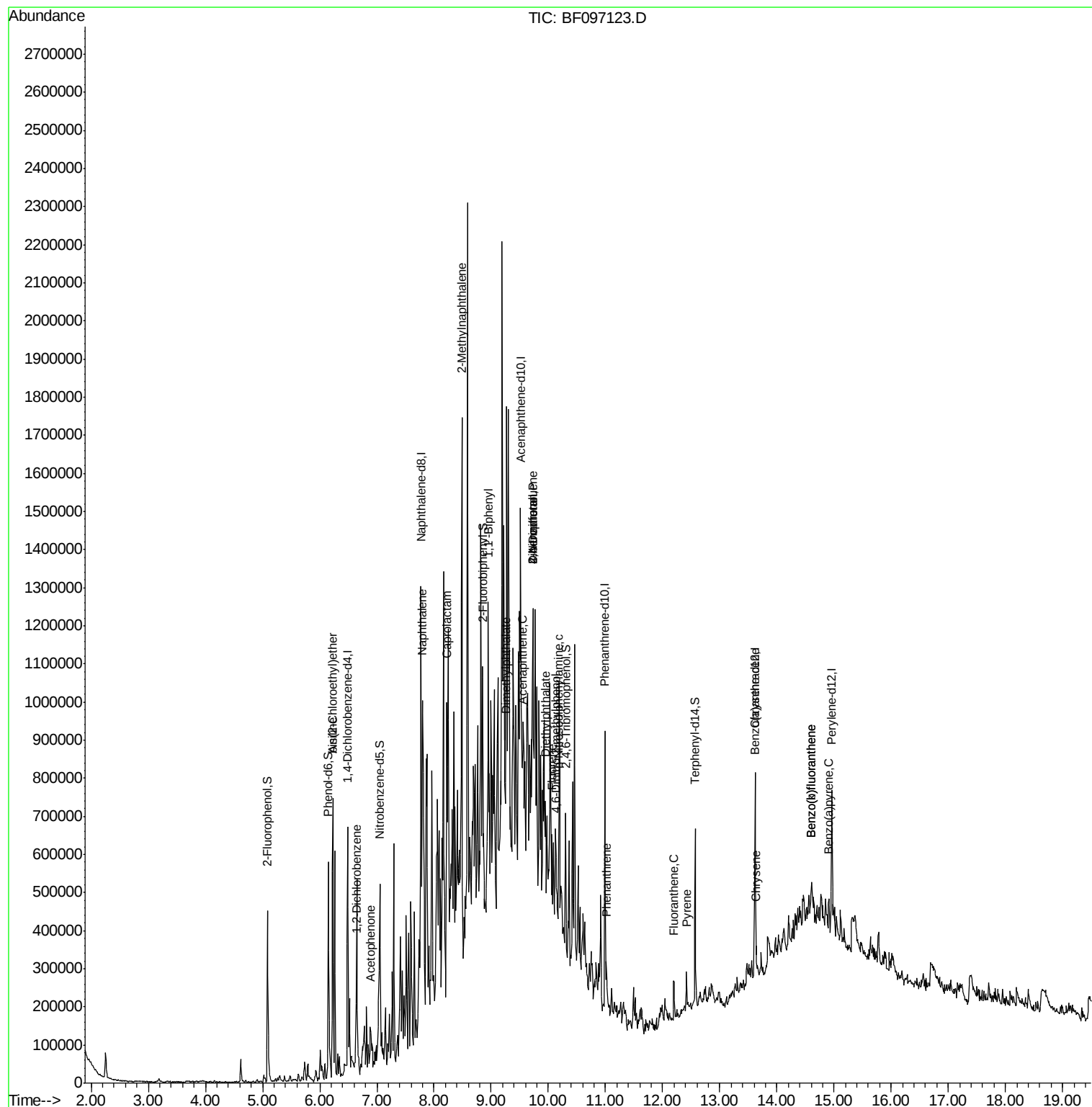
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.23	93	203098	23.587	ng	# 52
11) bis(2-Chloroethyl)ether	6.23	93	203098	31.639	ng	# 91
14) 1,2-Dichlorobenzene	6.66	146	15628	2.615	ng	# 93
22) Acetophenone	6.89	105	17130	2.152	ng	# 50
31) Naphthalene	7.79	128	259538	16.613	ng	# 99
35) Caprolactam	8.22	113	10018	6.906	ng	# 1
37) 2-Methylnaphthalene	8.49	142	365629	36.964	ng	# 99
45) 1,1'-Biphenyl	8.95	154	33759	2.793	ng	# 96
49) Dimethylphthalate	9.25	163	47140	4.387	ng	# 98
51) Acenaphthene	9.55	154	24445	3.040	ng	# 89
54) Dibenzofuran	9.72	168	27397	2.558	ng	# 45
55) 4-Nitrophenol	9.73	139	16077	9.556	ng	# 81
56) 2,4-Dinitrotoluene	9.73	165	8448	3.224	ng	# 53
57) Fluorene	10.06	166	33337	4.141	ng	# 83
59) Diethylphthalate	9.95	149	21346	2.165	ng	# 93
64) 4,6-Dinitro-2-methylphenol	10.14	198	3585	2.690	ng	# 1
65) n-Nitrosodiphenylamine	10.18	169	27001	3.619	ng	# 48
70) Phenanthrene	11.02	178	37044	3.224	ng	# 93
74) Fluoranthene	12.19	202	43008	3.821	ng	# 94
77) Pvrene	12.42	202	44261	2.983	ng	# 97
80) Benzo(a)anthracene	13.60	228	28604	2.439	ng	# 94
82) Chrysene	13.64	228	25287	2.208	ng	# 93
87) Benzo(b)fluoranthene	14.60	252	47821	5.071	ng	# 86
88) Benzo(k)fluoranthene	14.60	252	47821	5.322	ng	# 89
89) Benzo(a)pyrene	14.91	252	29085	3.370	ng	# 89

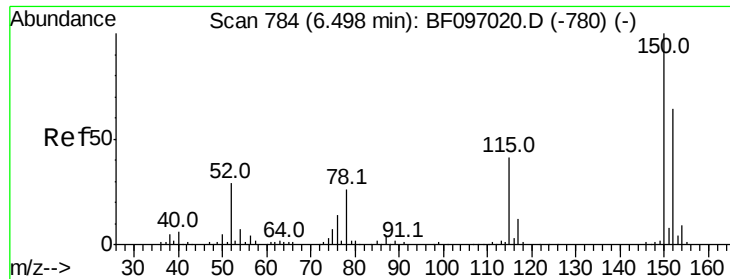
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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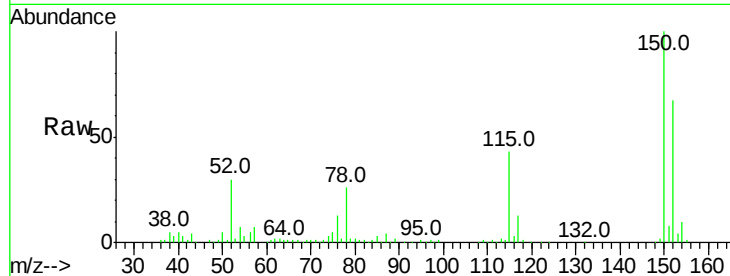


#1

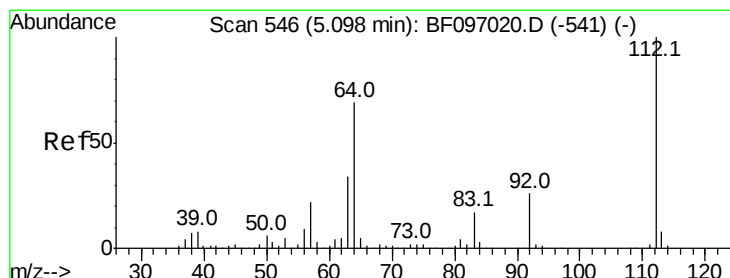
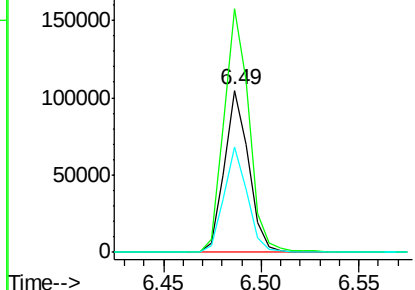
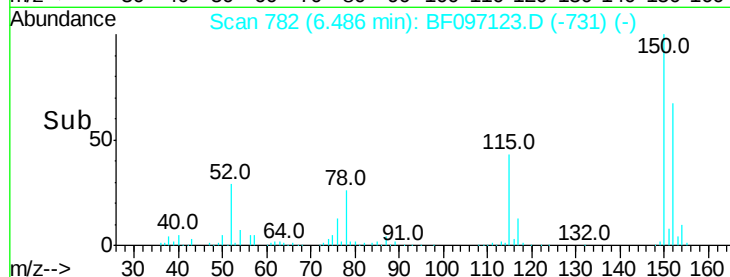
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90354
Ion Ratio Lower Upper
152 100
150 150.2 126.2 189.2
115 65.0 52.2 78.2



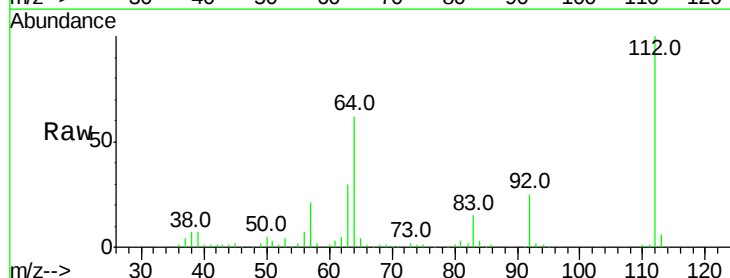
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



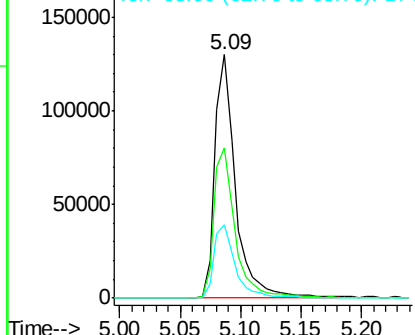
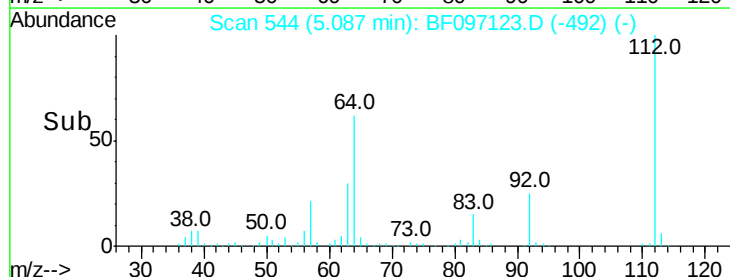
#5

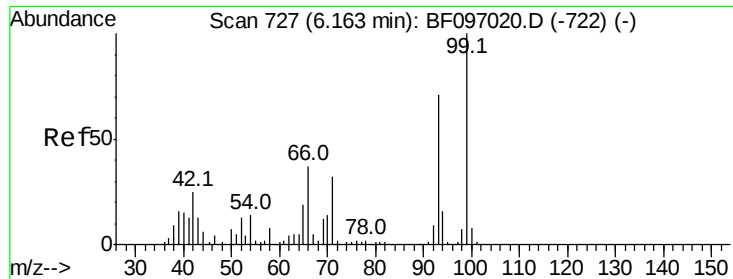
2-Fluorophenol
Concen: 25.456 ng
RT: 5.09 min Scan# 544
Delta R.T. 0.01 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion:112 Resp: 152578
Ion Ratio Lower Upper
112 100
64 61.6 46.0 69.0
63 30.2 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





#6

Aniline

Concen: 23.587 ng

RT: 6.23 min Scan# 738

Delta R.T. 0.08 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

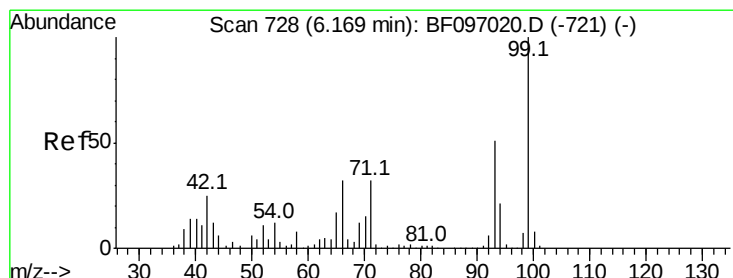
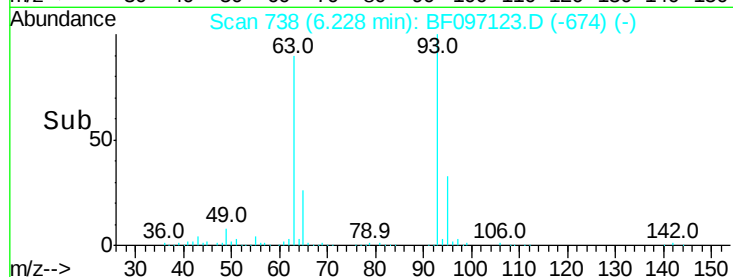
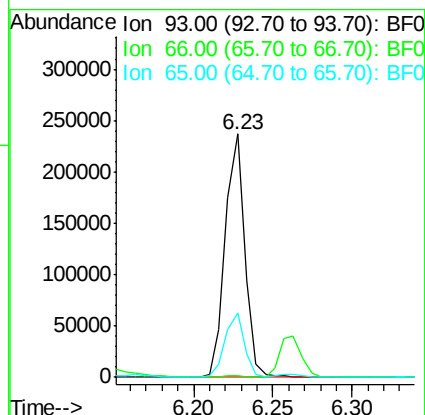
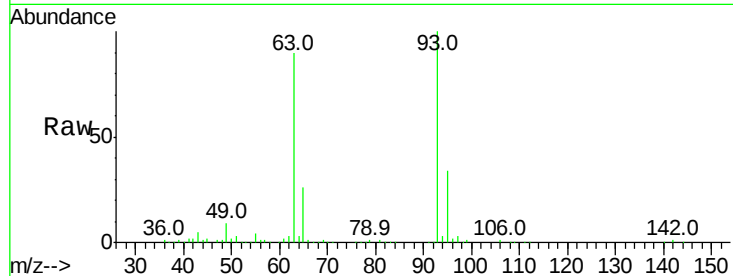
Tot Ion: 93 Resp: 203098

Ion Ratio Lower Upper

93 100

66 0.5 32.9 49.3#

65 26.2 16.0 24.0#



#7

Phenol-d6

Concen: 27.653 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

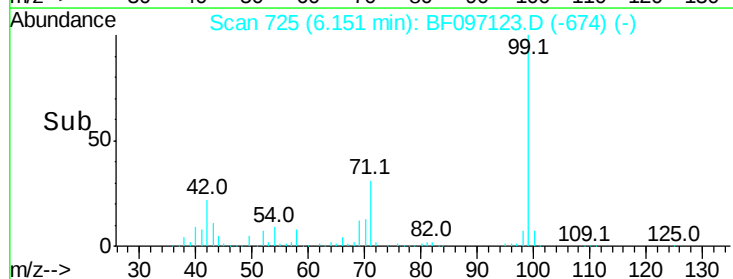
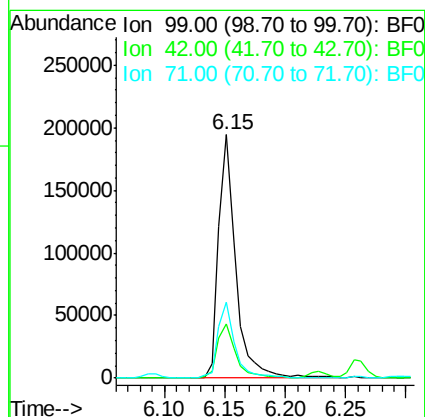
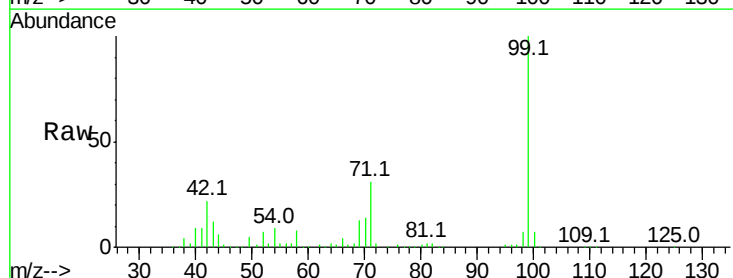
Tgt Ion: 99 Resp: 189214

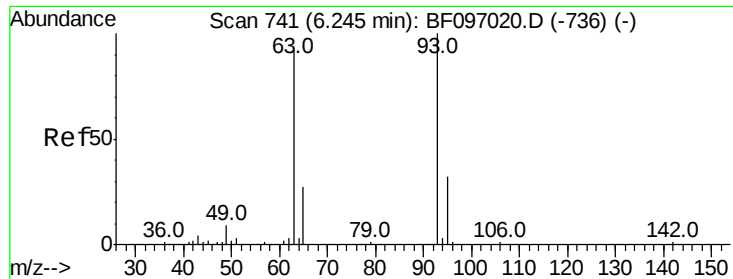
Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

71 31.0 24.5 36.7





#11

bis(2-Chloroethyl)ether

Concen: 31.639 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

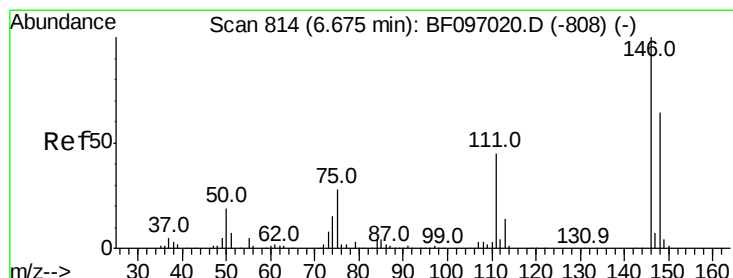
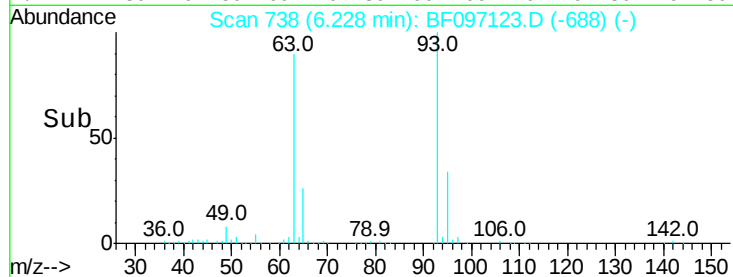
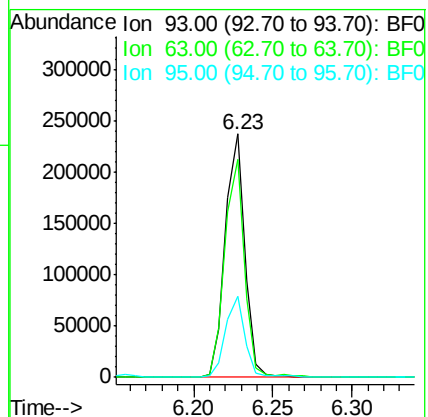
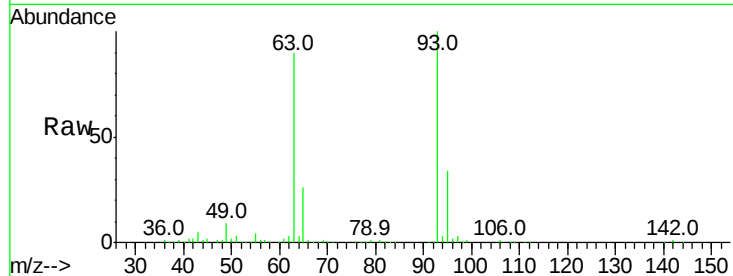
Tot Ion: 93 Resp: 203098

Ion Ratio Lower Upper

93 100

63 89.7 59.2 99.2

95 33.5 12.8 52.8



#14

1,2-Dichlorobenzene

Concen: 2.615 ng

RT: 6.66 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

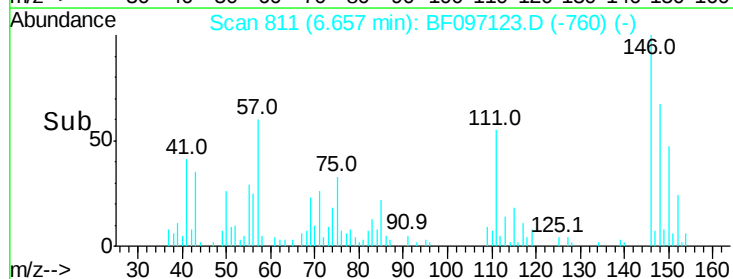
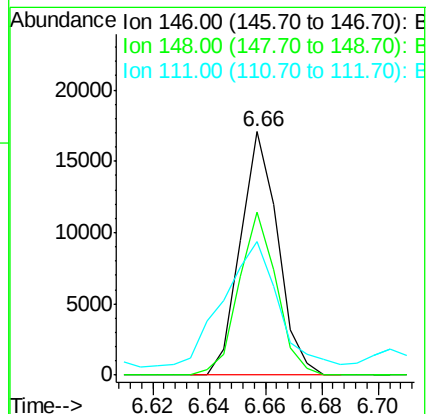
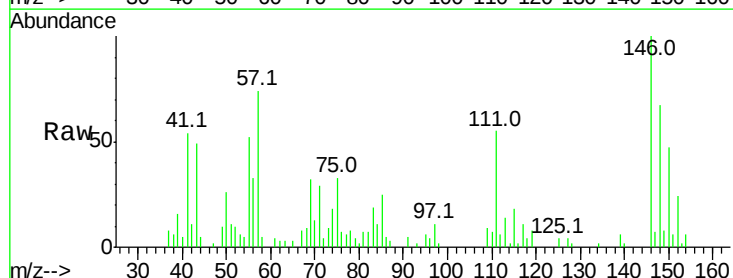
Tgt Ion: 146 Resp: 15628

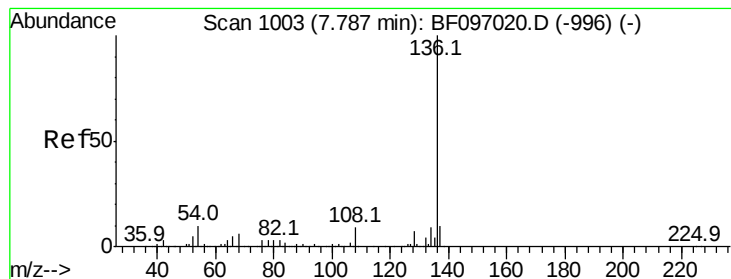
Ion Ratio Lower Upper

146 100

148 66.9 50.4 75.6

111 54.7 38.2 57.4

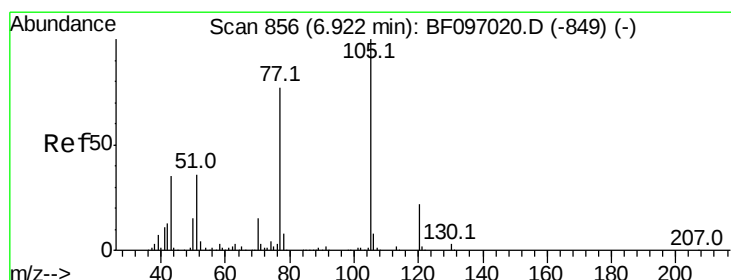
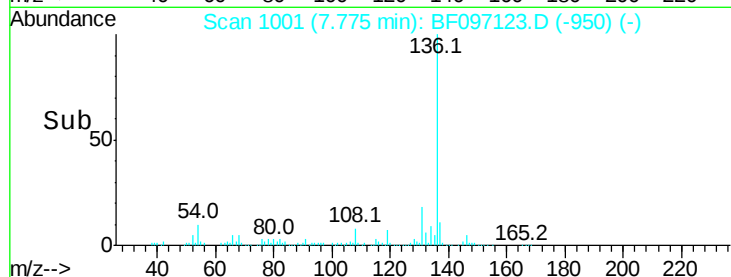
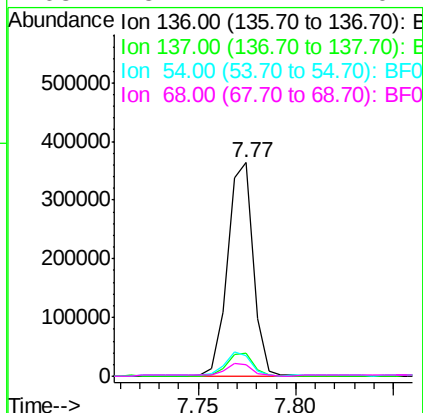
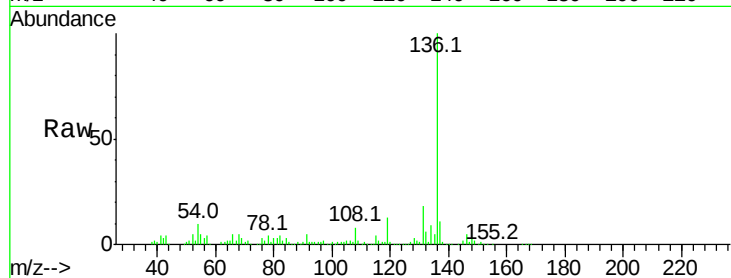




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

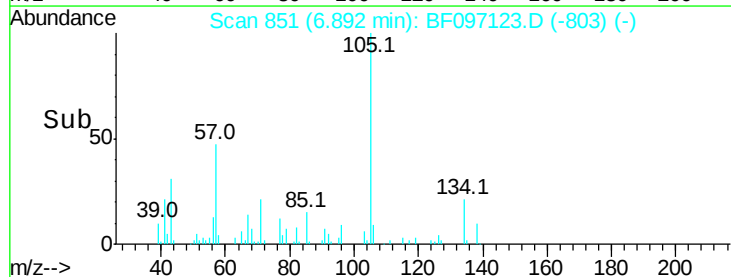
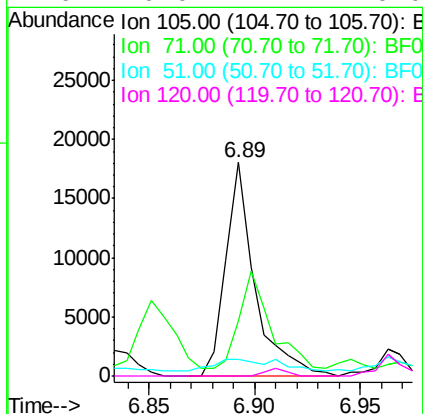
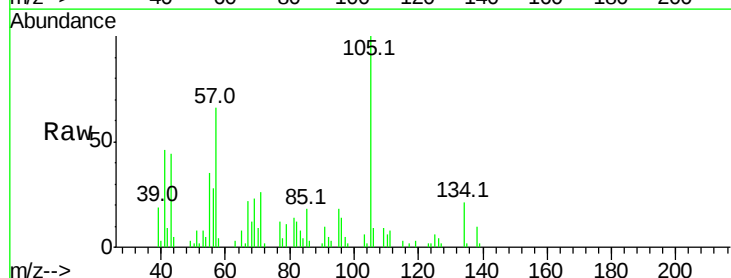
Instrument :
BNA_F
ClientSampled :

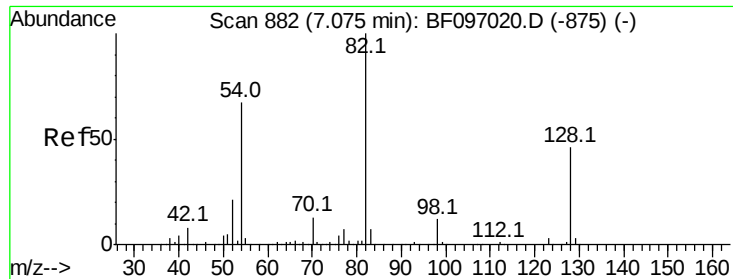
Tot Ion:136	Resp:	331418
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	9.8	4.9 7.3#
68	5.4	4.1 6.1



#22
Acetophenone
Concen: 2.152 ng
RT: 6.89 min Scan# 851
Delta R.T. -0.02 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion:105	Resp:	17130
Ion Ratio	Lower	Upper
105	100	
71	25.6	2.8 4.2#
51	7.7	30.7 46.1#
120	0.0	17.4 26.0#

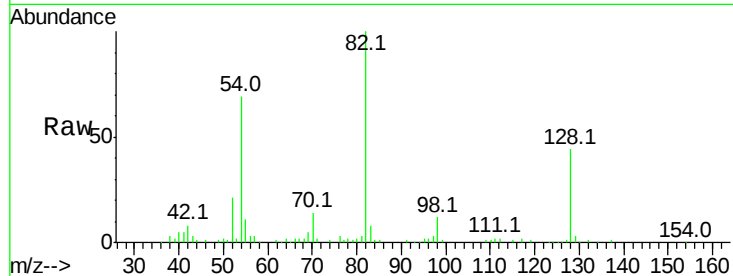




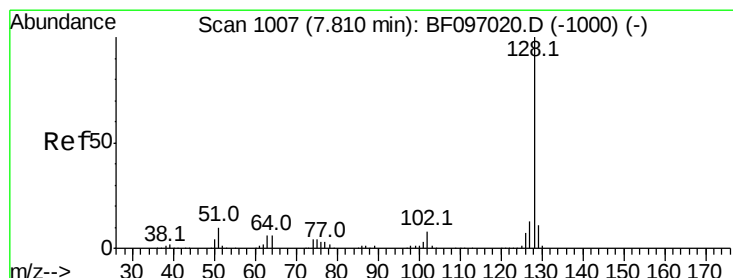
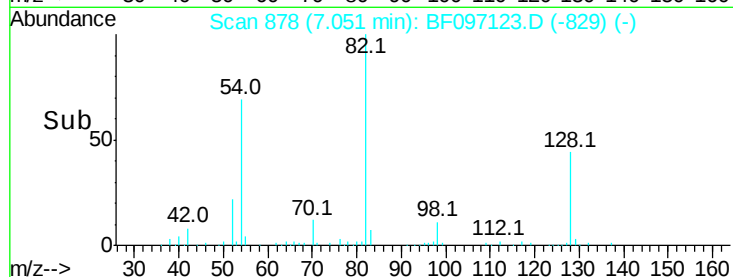
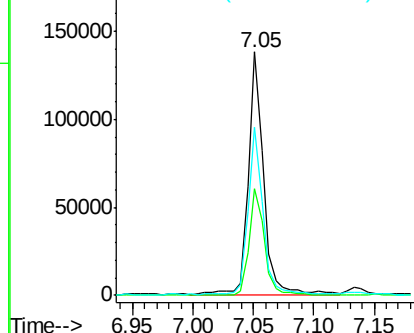
#23
Nitrobenzene-d5
Concen: 21.529 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 121625
Ion Ratio Lower Upper
82 100
128 43.6 34.0 51.0
54 68.8 42.2 63.2#

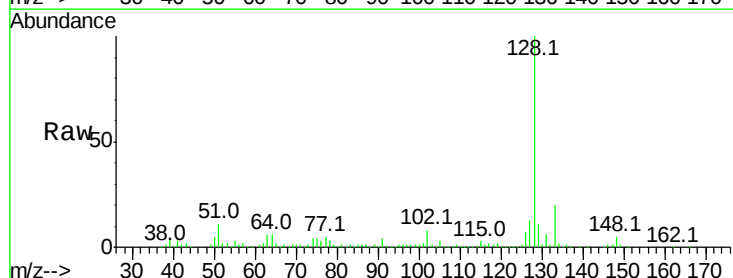


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

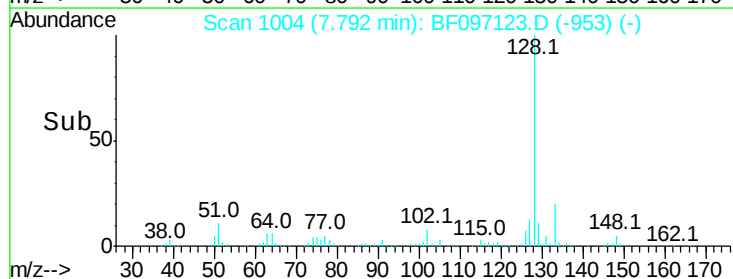
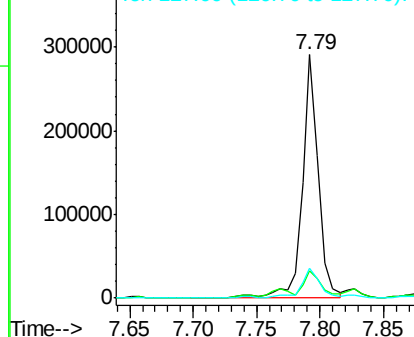


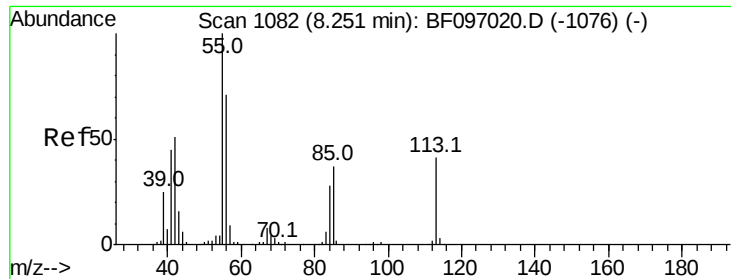
#31
Naphthalene
Concen: 16.613 ng
RT: 7.79 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion: 128 Resp: 259538
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 12.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#35

Caprolactam

Concen: 6.906 ng

RT: 8.22 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampled :

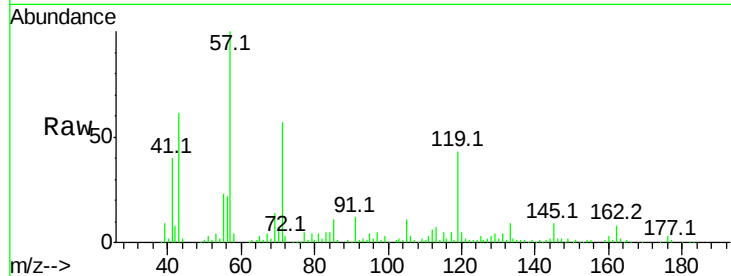
Tot Ion:113 Resp: 10018

Ion Ratio Lower Upper

113 100

55 320.1 150.2 190.2#

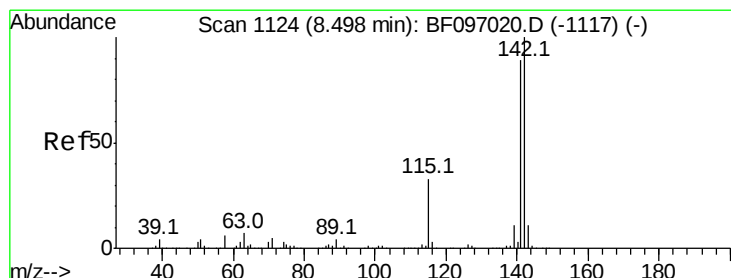
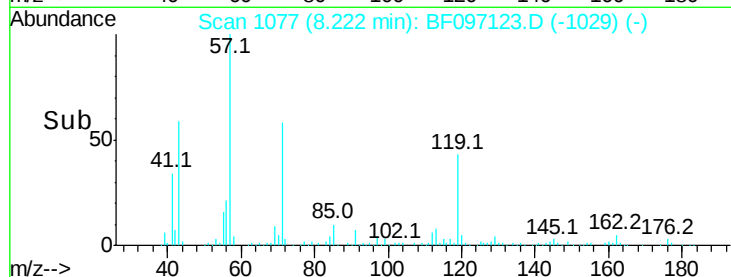
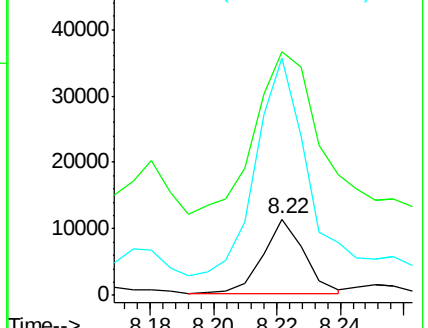
56 312.1 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 36.964 ng

RT: 8.49 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

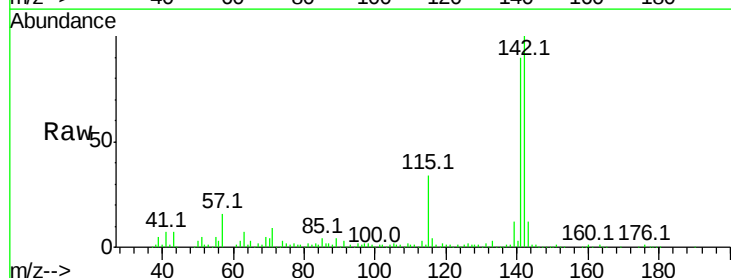
Tgt Ion:142 Resp: 365629

Ion Ratio Lower Upper

142 100

141 90.4 71.3 106.9

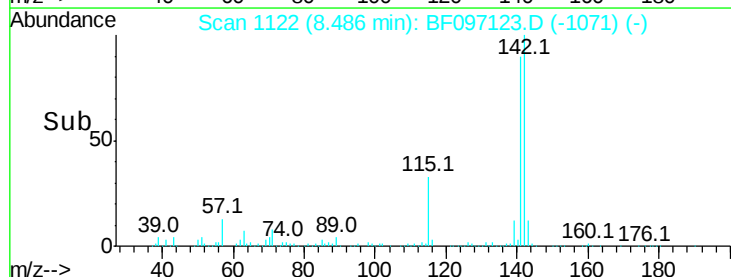
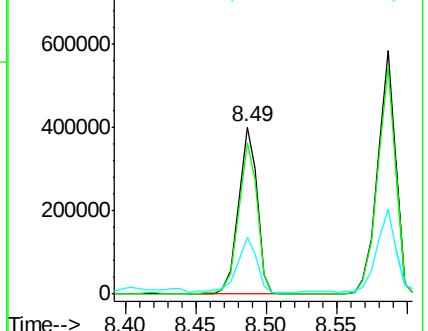
115 34.1 27.1 40.7

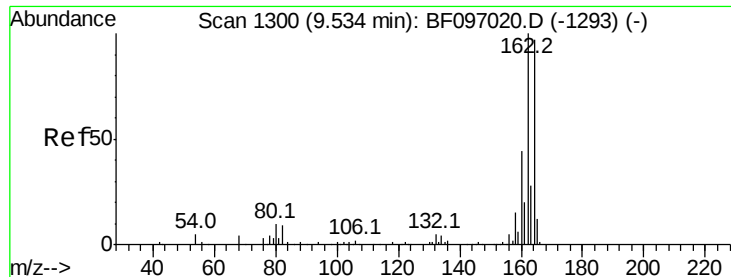


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

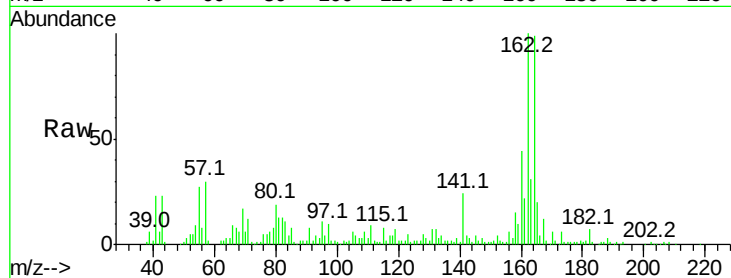




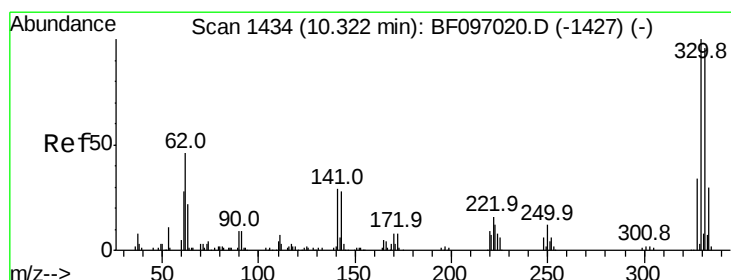
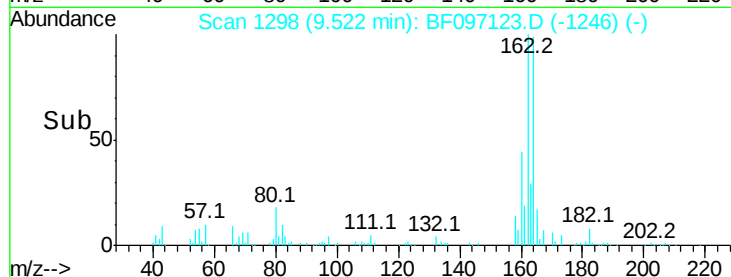
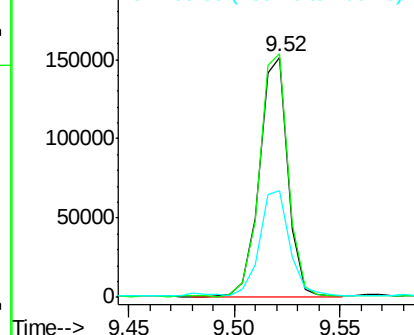
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 141508
 Ion Ratio Lower Upper
 164 100
 162 101.4 82.6 123.8
 160 44.7 36.2 54.2

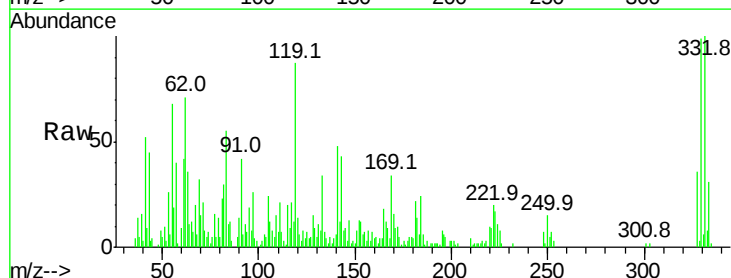


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

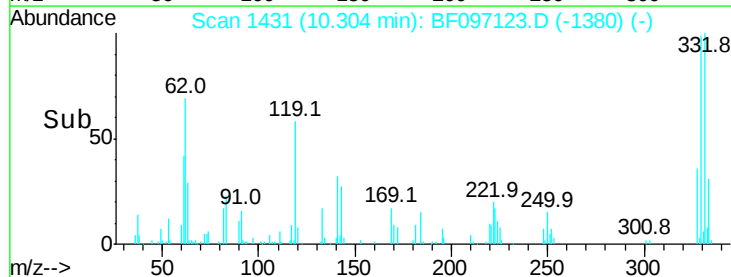
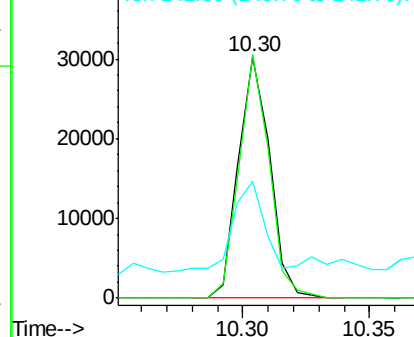


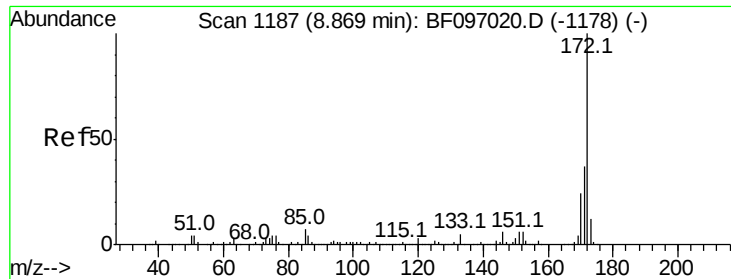
#41
 2,4,6-Tribromophenol
 Concen: 23.346 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Tgt Ion:330 Resp: 26102
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 40.2 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

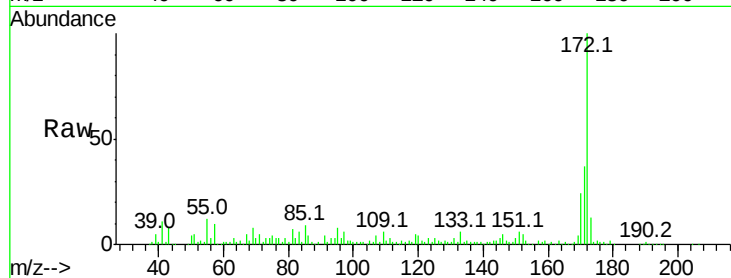




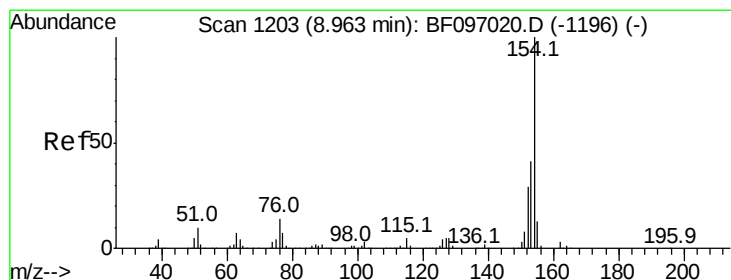
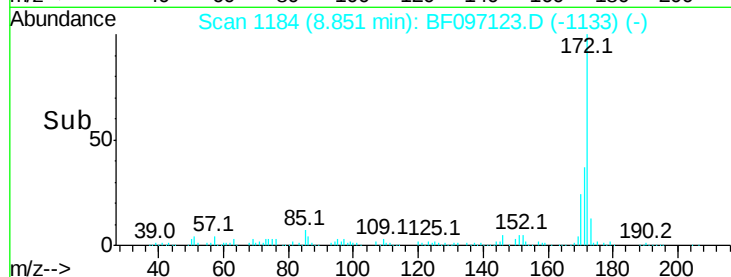
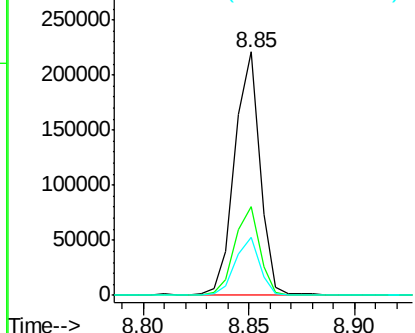
#44
2-Fluorobiphenyl
Concen: 21.683 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.0	19.8	29.8

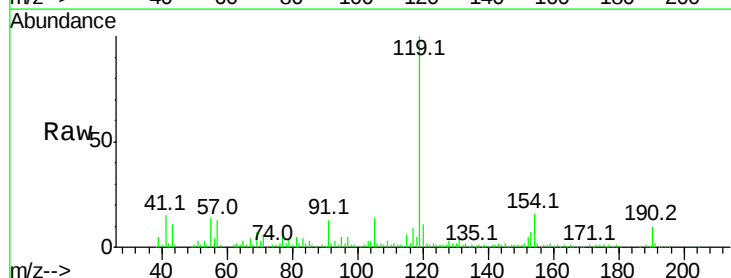


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

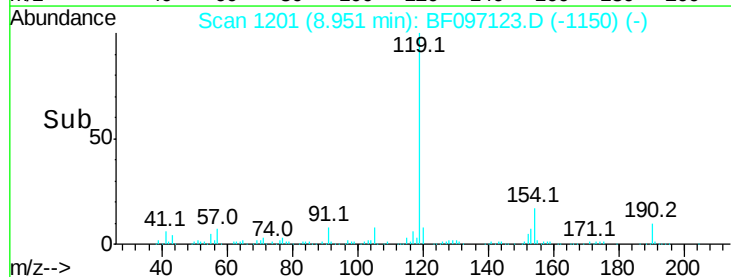
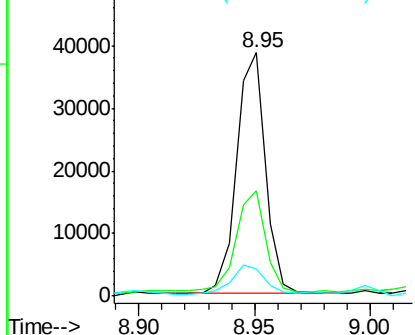


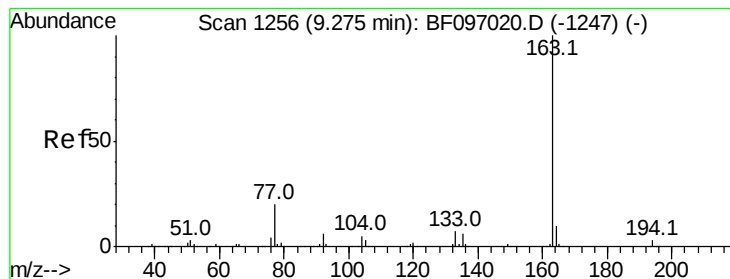
#45
1,1'-Biphenyl
Concen: 2.793 ng
RT: 8.95 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.4	21.2	61.2
76	11.3	0.0	29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 4.387 ng

RT: 9.25 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

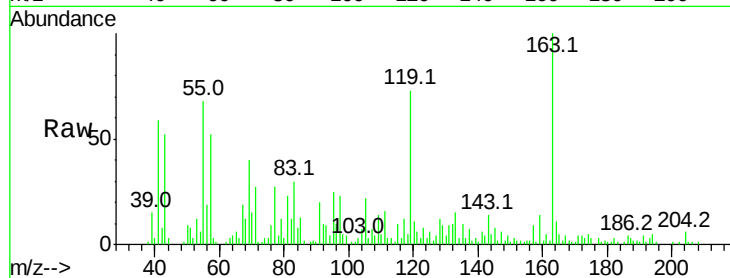
Tot Ion:163 Resp: 47140

Ion Ratio Lower Upper

163 100

194 5.0 2.6 4.0#

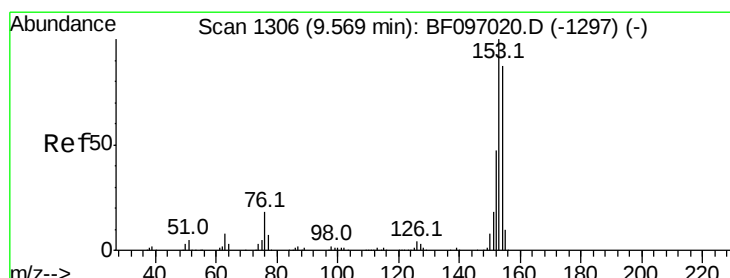
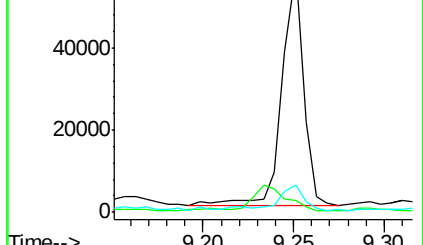
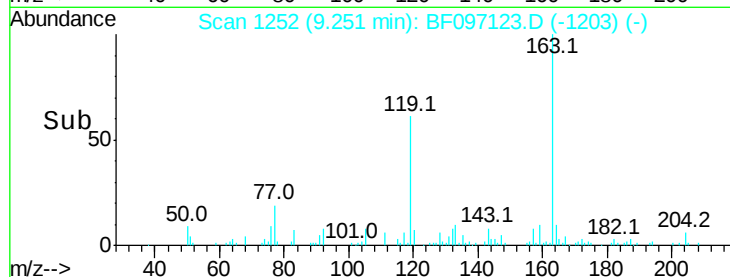
164 11.1 8.4 12.6



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: 3.040 ng

RT: 9.55 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

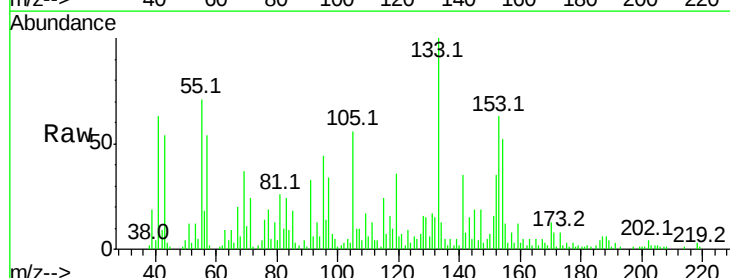
Tgt Ion:154 Resp: 24445

Ion Ratio Lower Upper

154 100

153 120.6 90.5 135.7

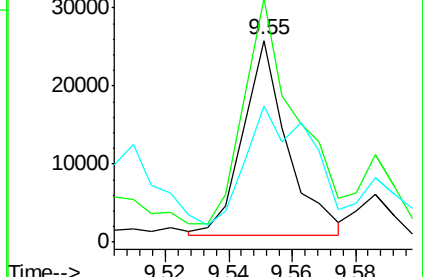
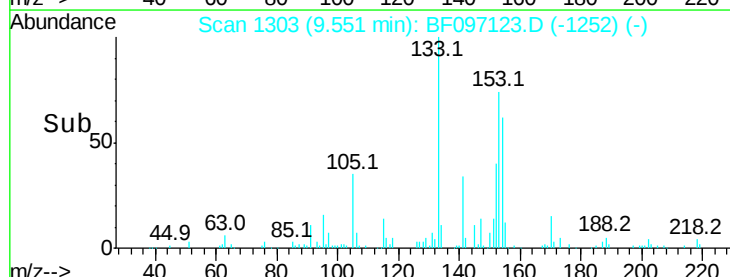
152 67.6 43.6 65.4#

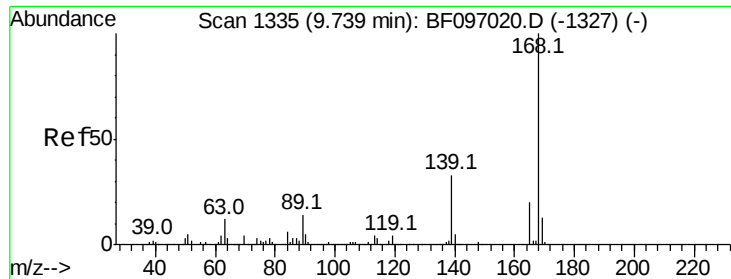


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

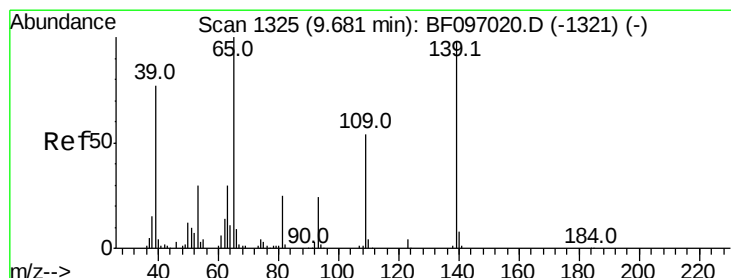
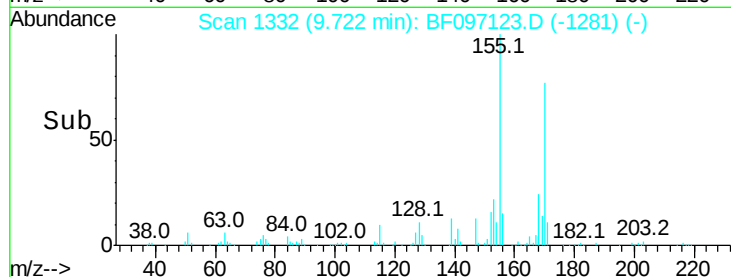
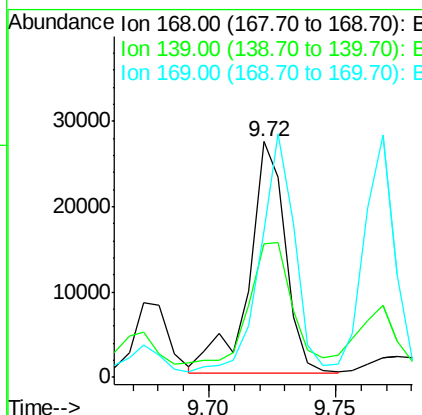
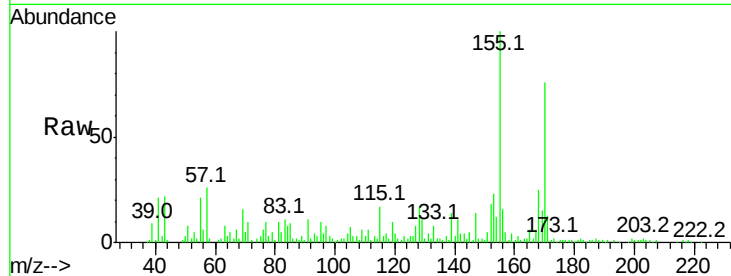




#54
Dibenzofuran
Concen: 2.558 ng
RT: 9.72 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

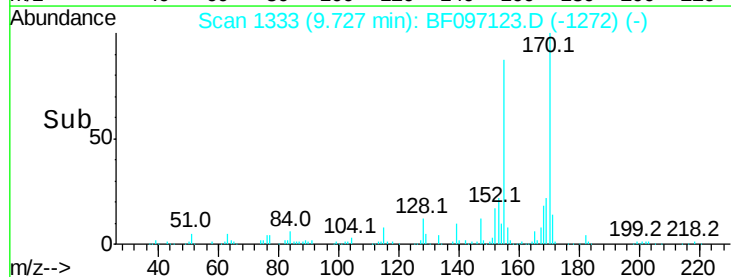
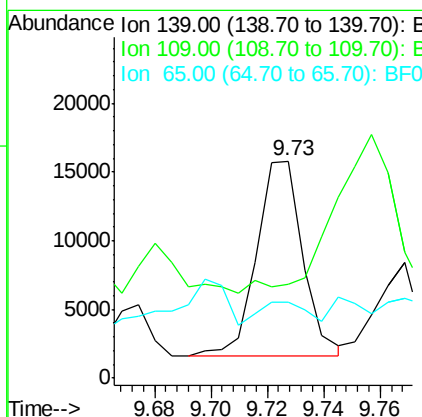
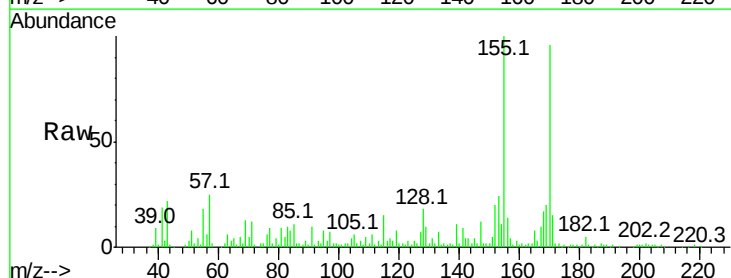
Instrument :
BNA_F
ClientSampled :

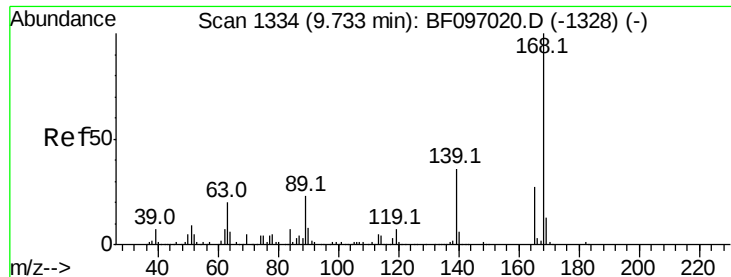
Tot Ion:168 Resp: 27397
Ion Ratio Lower Upper
168 100
139 56.9 30.6 45.8#
169 62.2 10.8 16.2#



#55
4-Nitrophenol
Concen: 9.556 ng
RT: 9.73 min Scan# 1333
Delta R.T. 0.06 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion:139 Resp: 16077
Ion Ratio Lower Upper
139 100
109 43.2 34.1 74.1
65 35.0 31.4 71.4

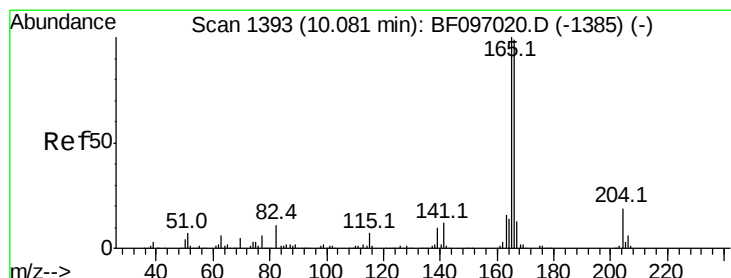
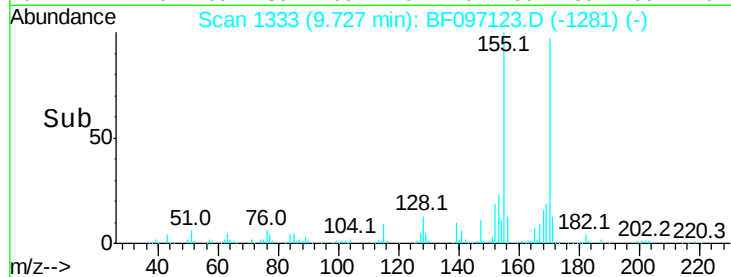
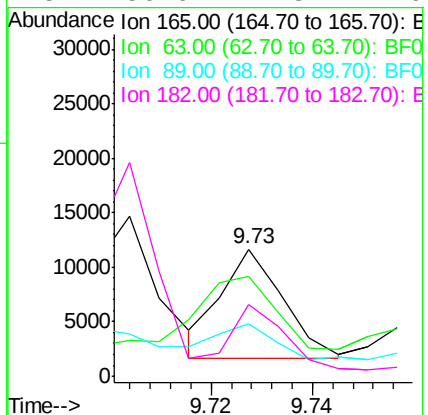
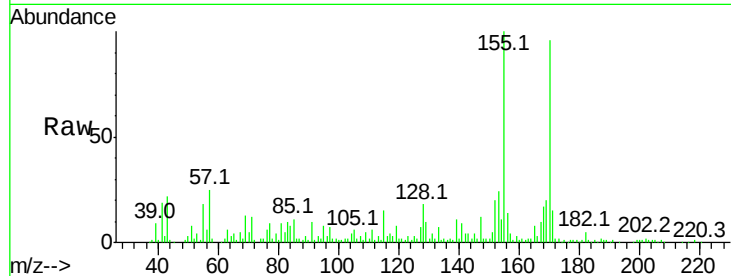




#56
 2,4-Dinitrotoluene
 Concen: 3.224 ng
 RT: 9.73 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

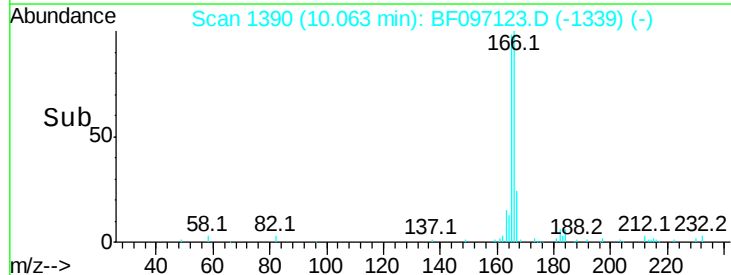
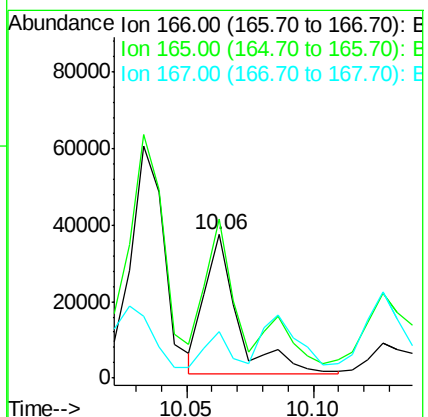
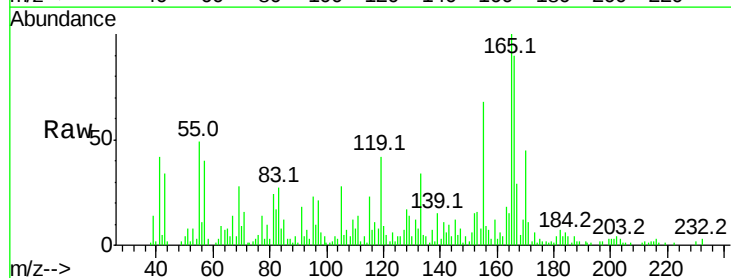
Instrument :
 BNA_F
 ClientSampled :

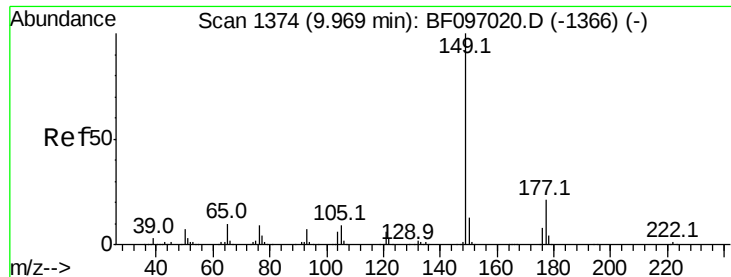
Tot Ion:165 Resp: 8448
 Ion Ratio Lower Upper
 165 100
 63 78.2 25.4 38.0#
 89 41.1 46.4 69.6#
 182 56.6 1.8 2.6#



#57
 Fluorene
 Concen: 4.141 ng
 RT: 10.06 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Tgt Ion:166 Resp: 33337
 Ion Ratio Lower Upper
 166 100
 165 111.1 78.8 118.2
 167 32.6 10.6 16.0#

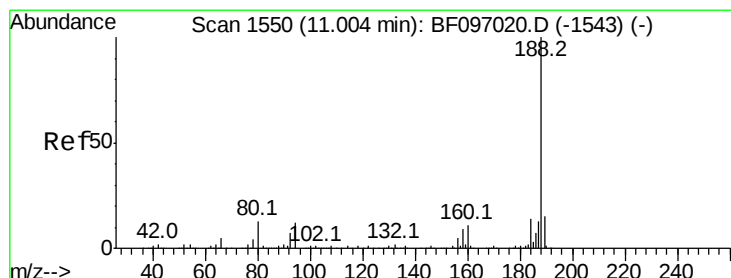
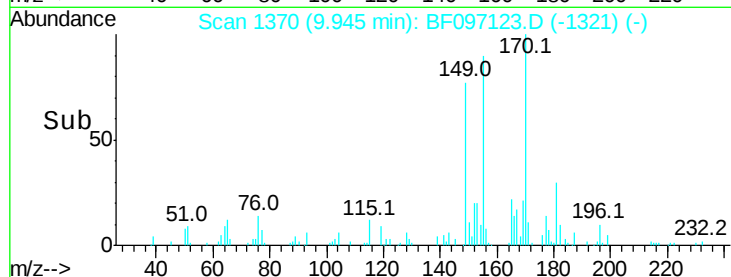
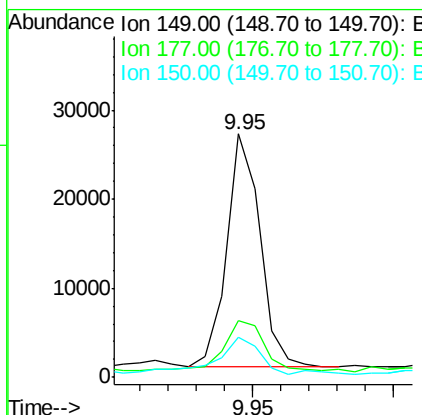
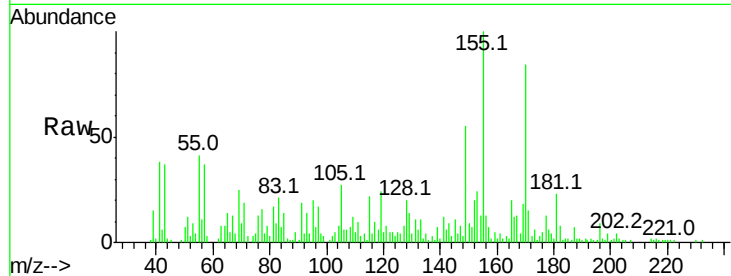




#59
Diethylphthalate
Concen: 2.165 ng
RT: 9.95 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

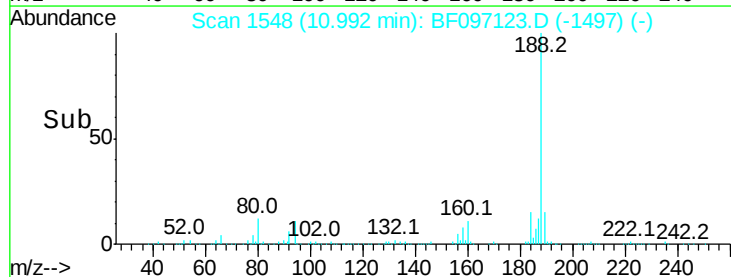
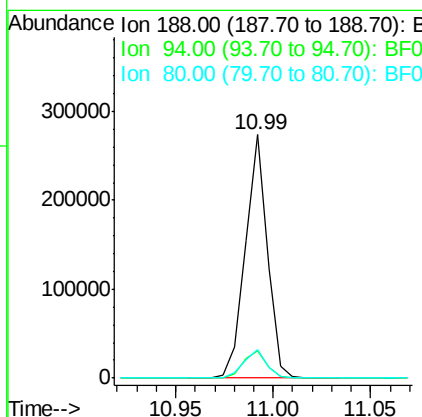
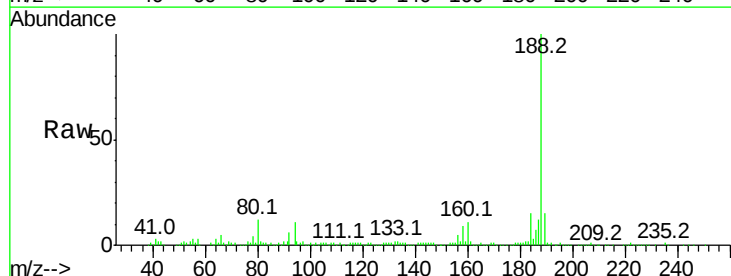
Instrument :
BNA_F
ClientSampleId :

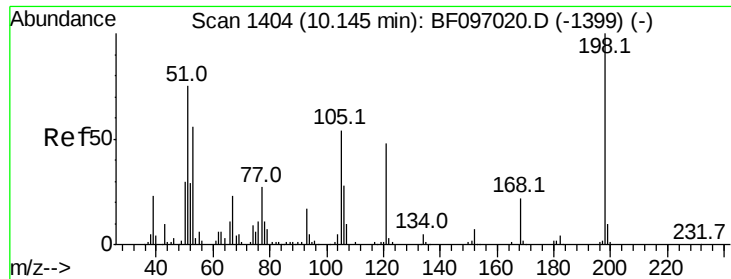
Tot Ion:149 Resp: 21346
Ion Ratio Lower Upper
149 100
177 23.4 16.7 25.1
150 16.7 10.2 15.2#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion:188 Resp: 214438
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.9 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 2.690 ng

RT: 10.14 min Scan# 1403

Delta R.T. 0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

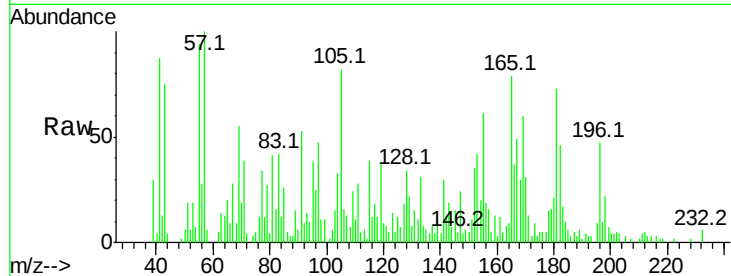
Tot Ion:198 Resp: 3585

Ion Ratio Lower Upper

198 100

51 86.9 53.2 93.2

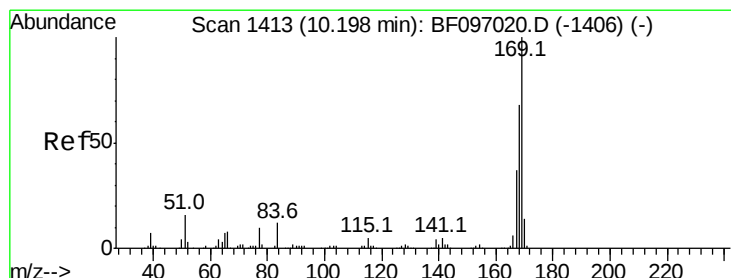
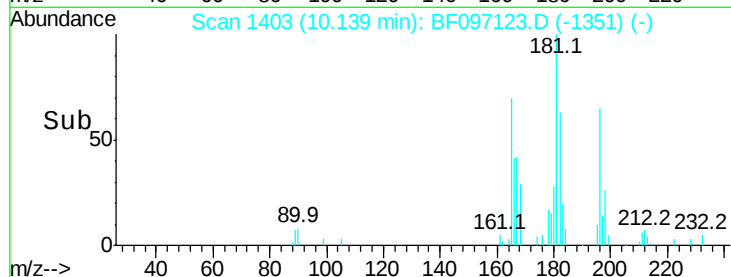
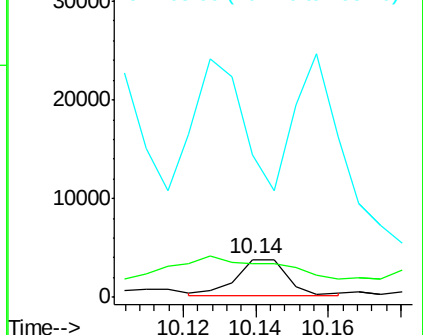
105 373.1 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 3.619 ng

RT: 10.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

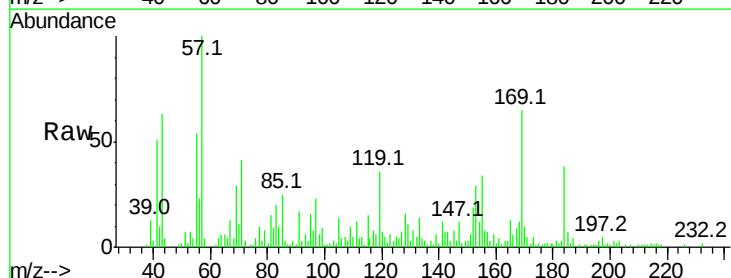
Tgt Ion:169 Resp: 27001

Ion Ratio Lower Upper

169 100

168 18.9 53.2 79.8#

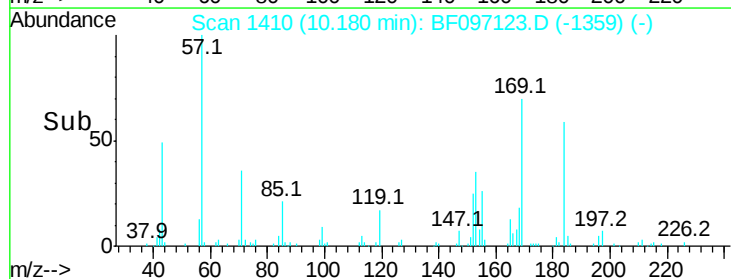
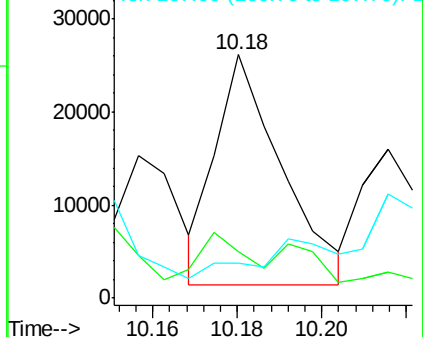
167 14.2 29.5 44.3#

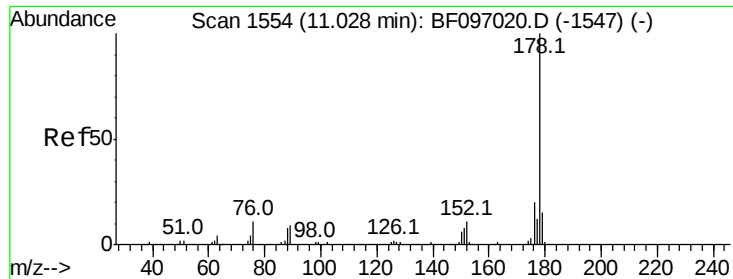


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

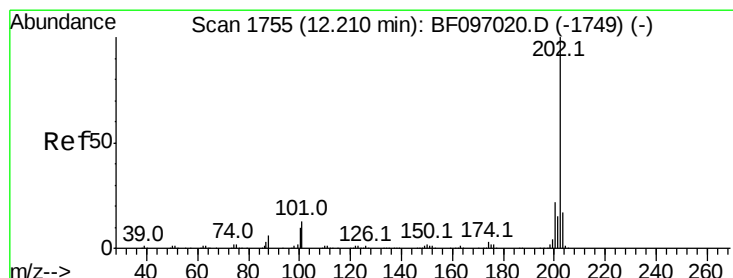
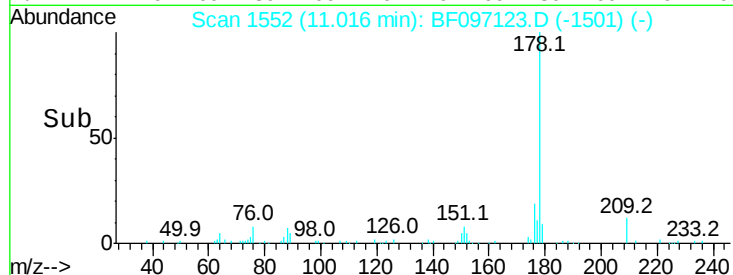
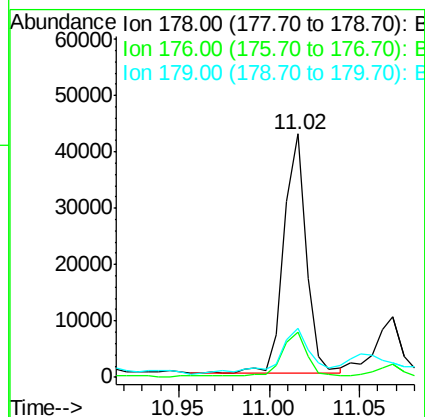
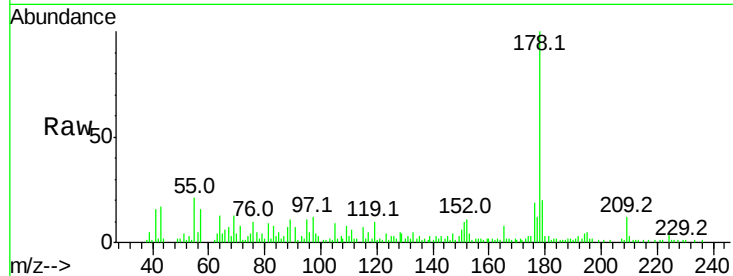




#70
Phenanthrene
Concen: 3.224 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

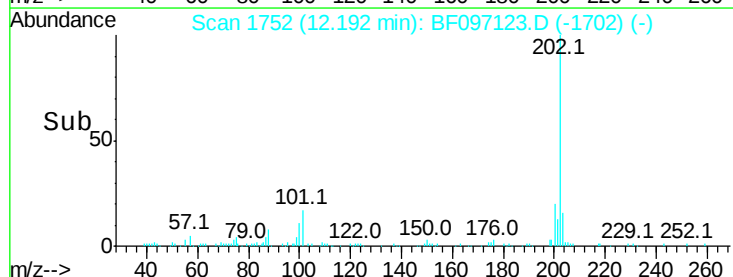
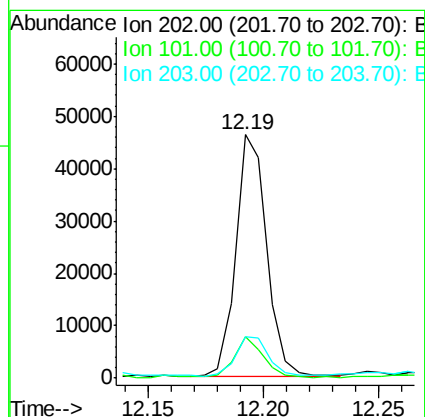
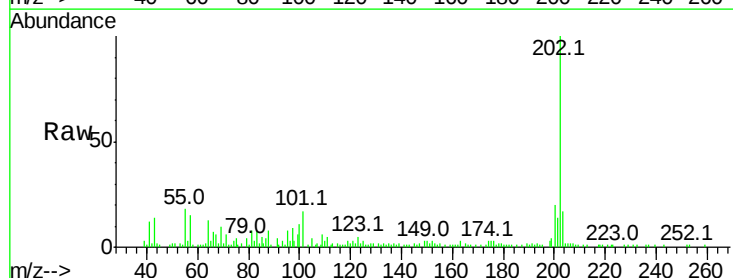
Instrument :
BNA_F
ClientSampleId :

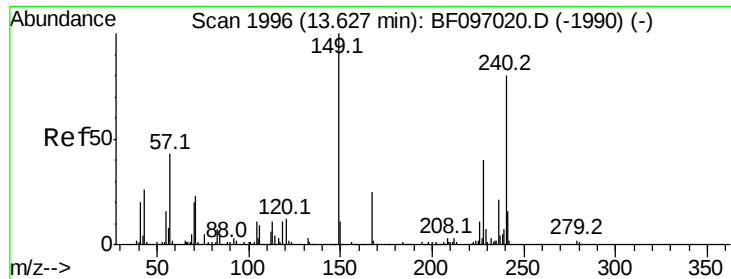
Tot Ion:178 Resp: 37044
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 20.2 12.6 19.0#



#74
Fluoranthene
Concen: 3.821 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion:202 Resp: 43008
Ion Ratio Lower Upper
202 100
101 17.1 0.0 33.2
203 16.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampled :

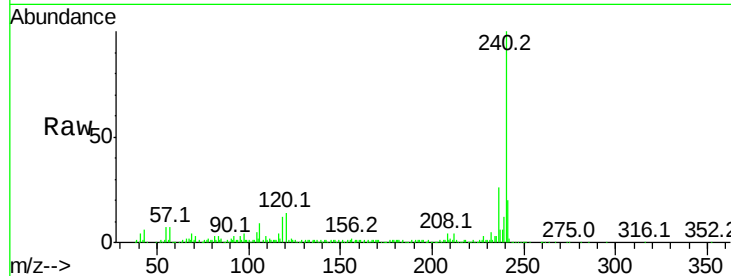
Tot Ion:240 Resp: 181234

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

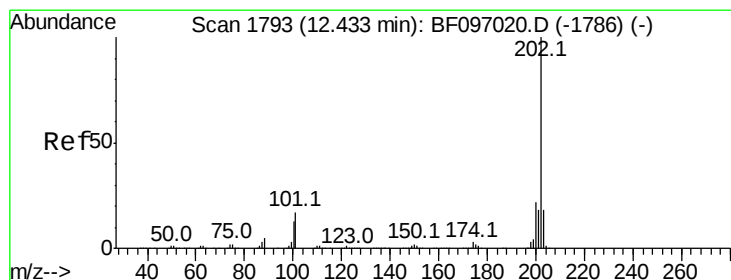
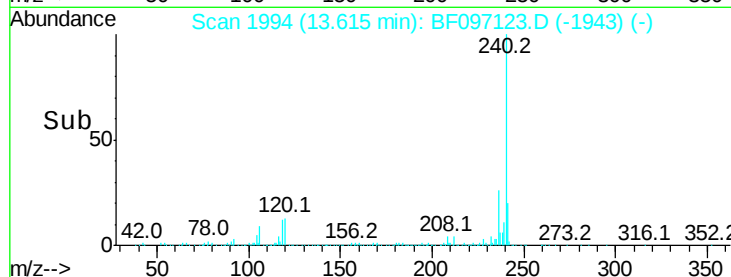
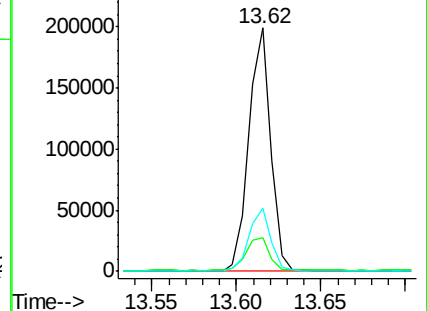
236 26.2 20.5 30.7



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: 2.983 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

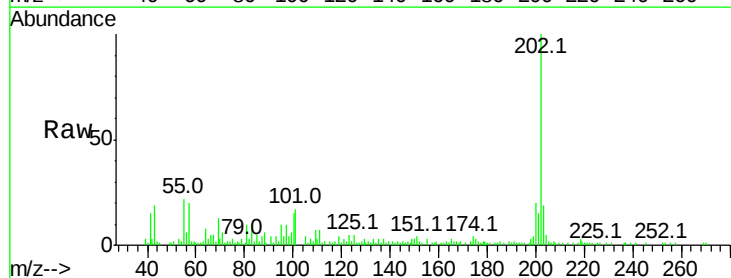
Tgt Ion:202 Resp: 44261

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

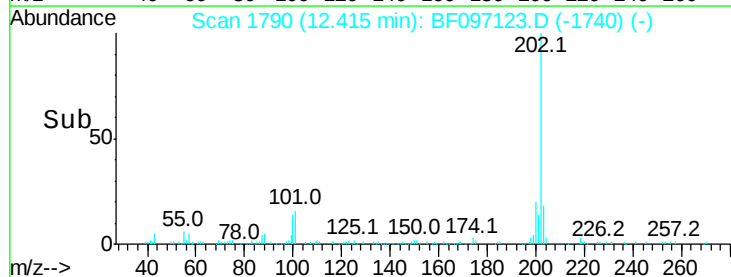
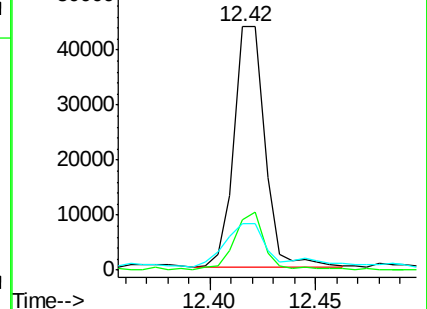
203 19.0 14.4 21.6

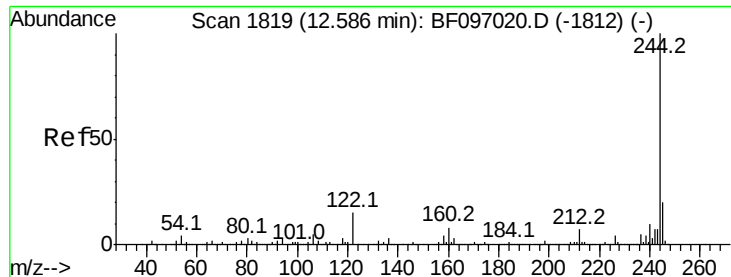


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.942 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

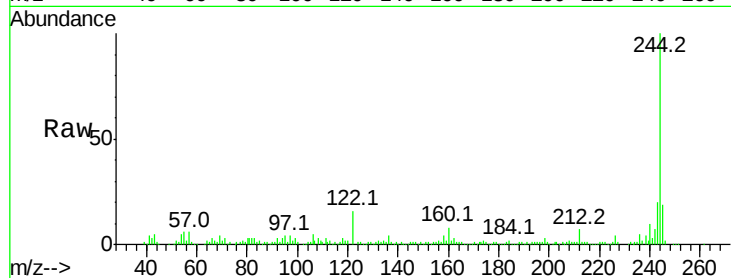
Tot Ion:244 Resp: 132822

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

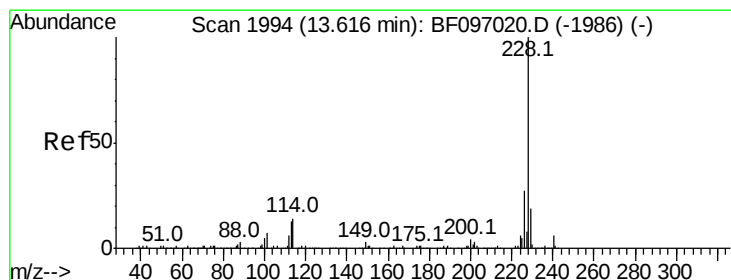
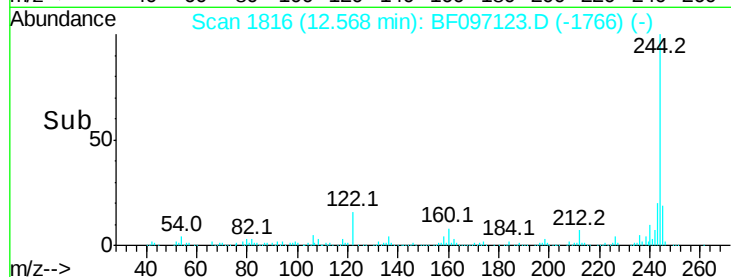
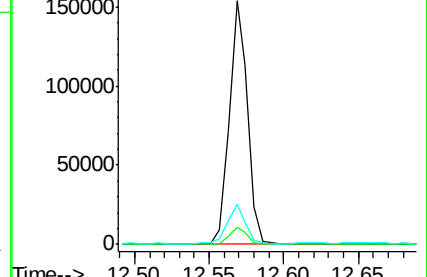
122 16.3 10.3 15.5#



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: 2.439 ng

RT: 13.60 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

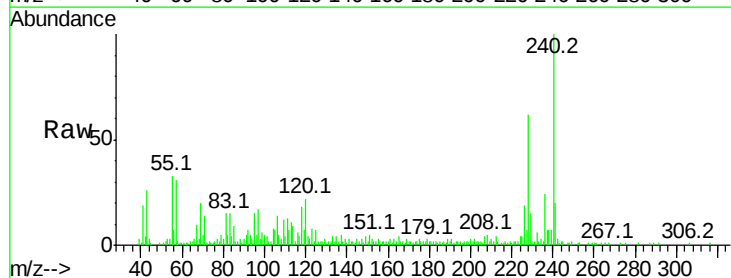
Tgt Ion:228 Resp: 28604

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

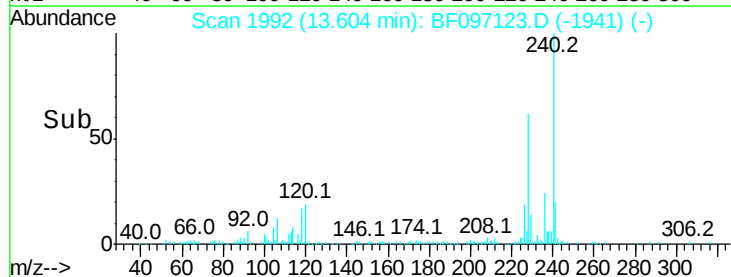
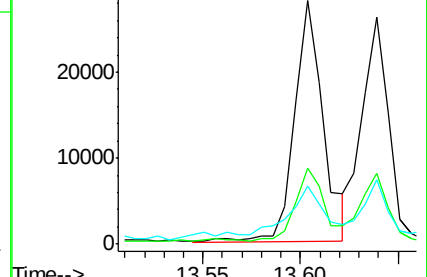
229 23.8 16.3 24.5

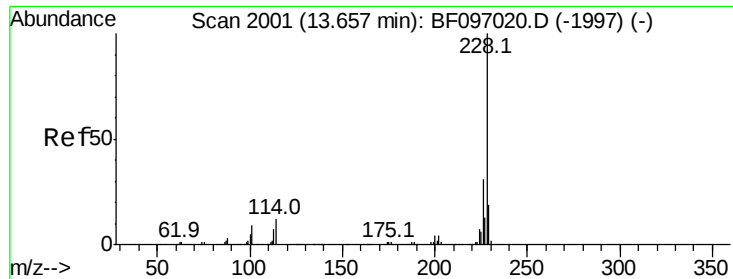


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.208 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

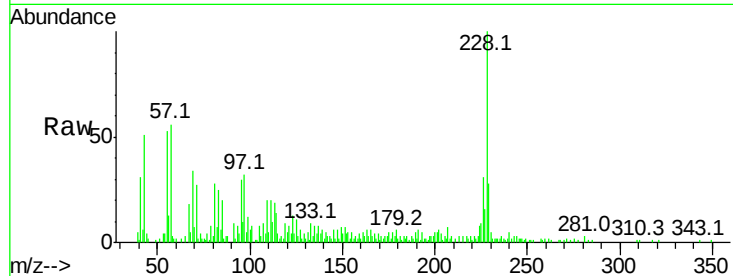
Tot Ion:228 Resp: 25287

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

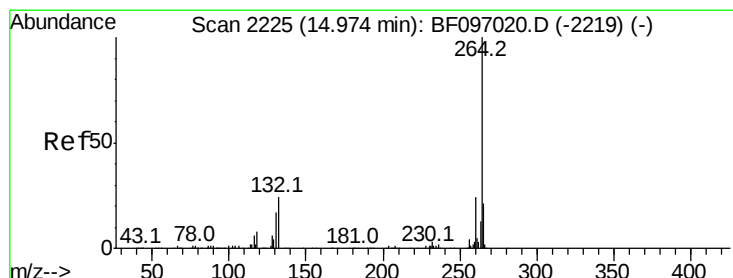
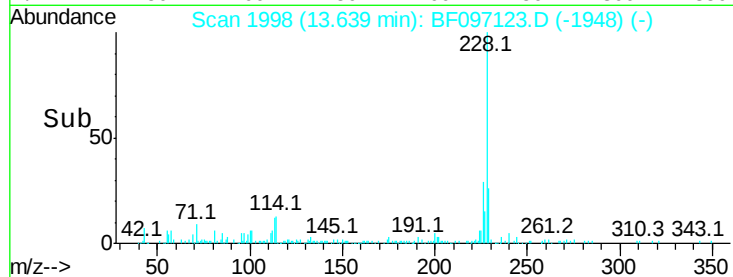
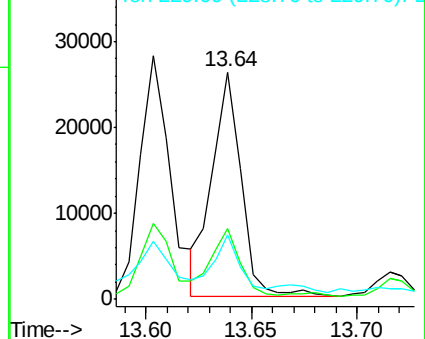
229 28.4 15.8 23.6#



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: 20.000 ng

RT: 14.96 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

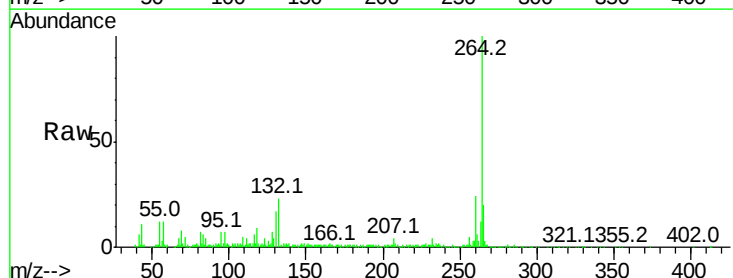
Tgt Ion:264 Resp: 156869

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

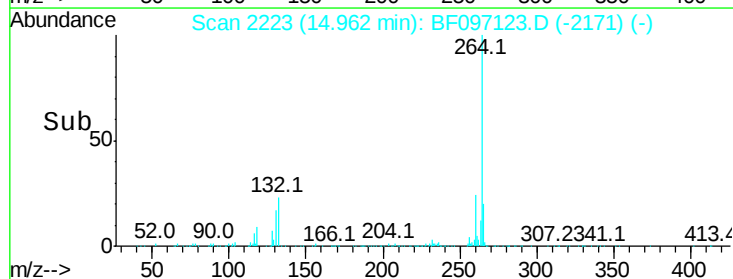
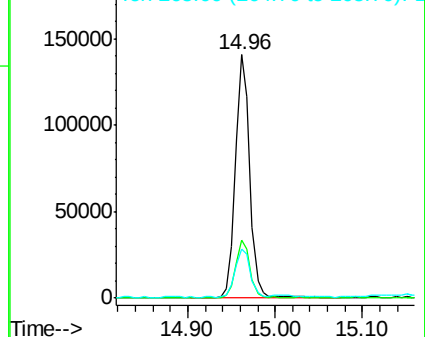
265 20.3 17.2 25.8

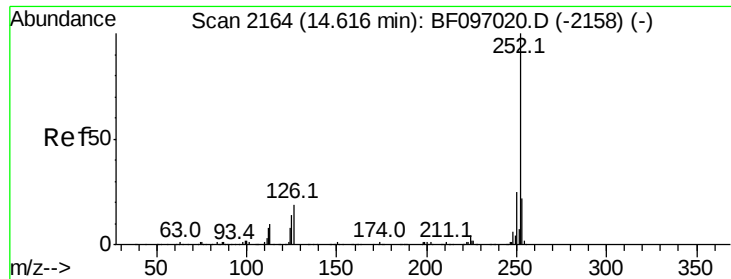


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.071 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BF097123.D

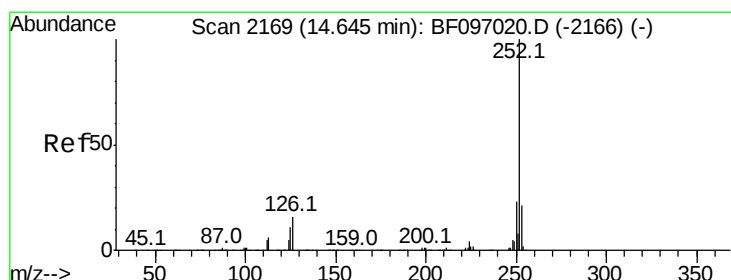
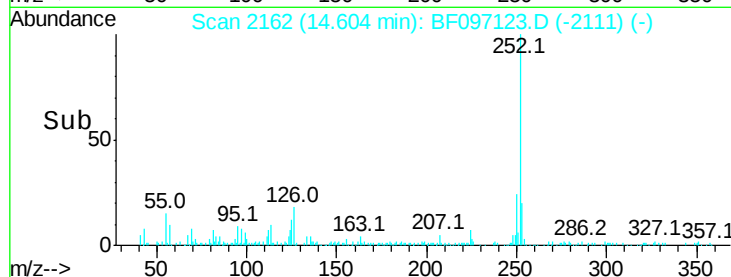
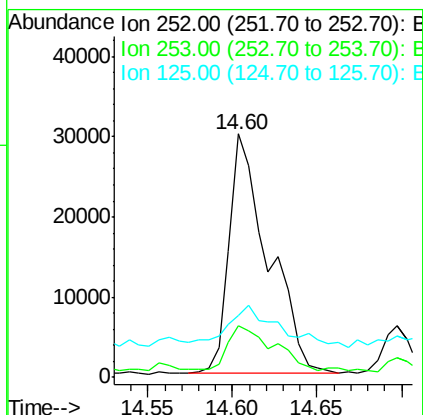
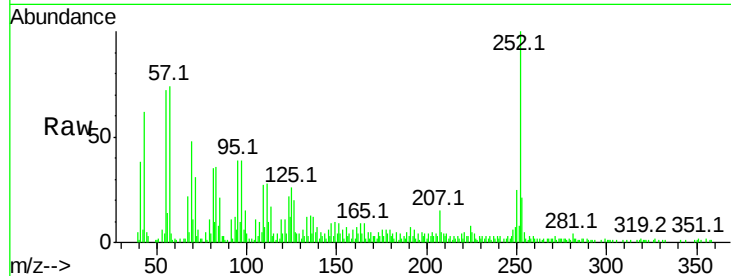
Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	47821
Ion Ratio	Lower	Upper
252	100	
253	21.4	18.1 27.1
125	25.6	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 5.322 ng

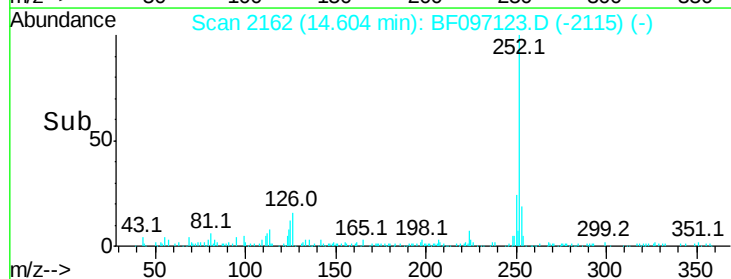
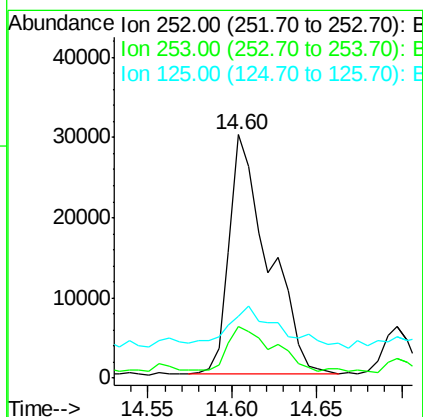
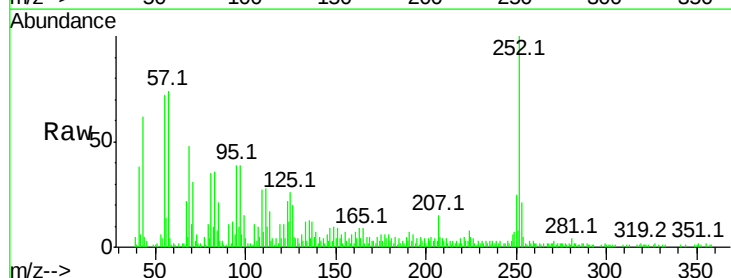
RT: 14.60 min Scan# 2162

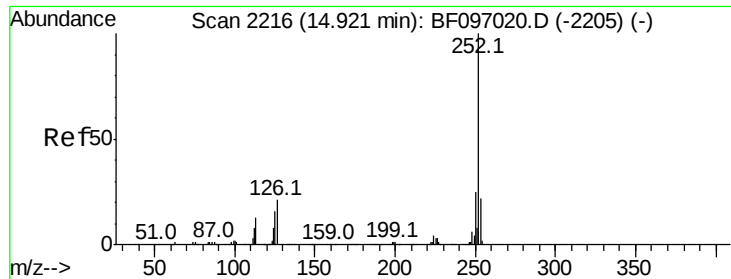
Delta R.T. -0.02 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:252	Resp:	47821
Ion Ratio	Lower	Upper
252	100	
253	21.4	18.4 27.6
125	25.6	13.1 19.7#

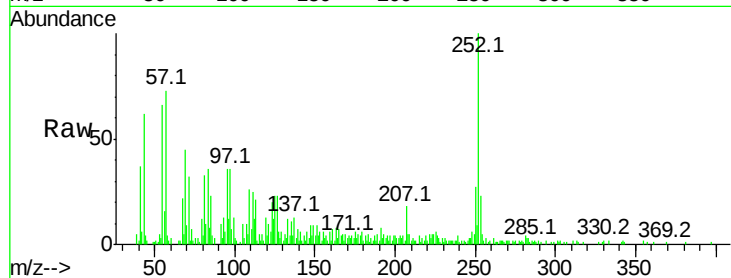




#89
 Benzo(a)pyrene
 Concen: 3.370 ng
 RT: 14.91 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	23.0	11.0	16.4



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

