

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097036.D
 Acq On : 25 Jul 2017 18:35
 Operator : SJ/JU
 Sample : I4369-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20170720

Quant Time: Jul 26 01:04:13 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	6.50	152	133631	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	541853	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	228377	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	392384	20.00	ng	0.00
75) Chrysene-d12	13.62	240	266233	20.00	ng	0.00
86) Perylene-d12	14.97	264	175094	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	192749	21.74	ng	0.00
7) Phenol-d6	6.16	99	179928	17.78	ng	-0.01
23) Nitrobenzene-d5	7.06	82	667980	72.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	102630	56.88	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	1034237	76.86	ng	0.00
78) Terphenyl-d14	12.59	244	813932	62.33	ng	0.00

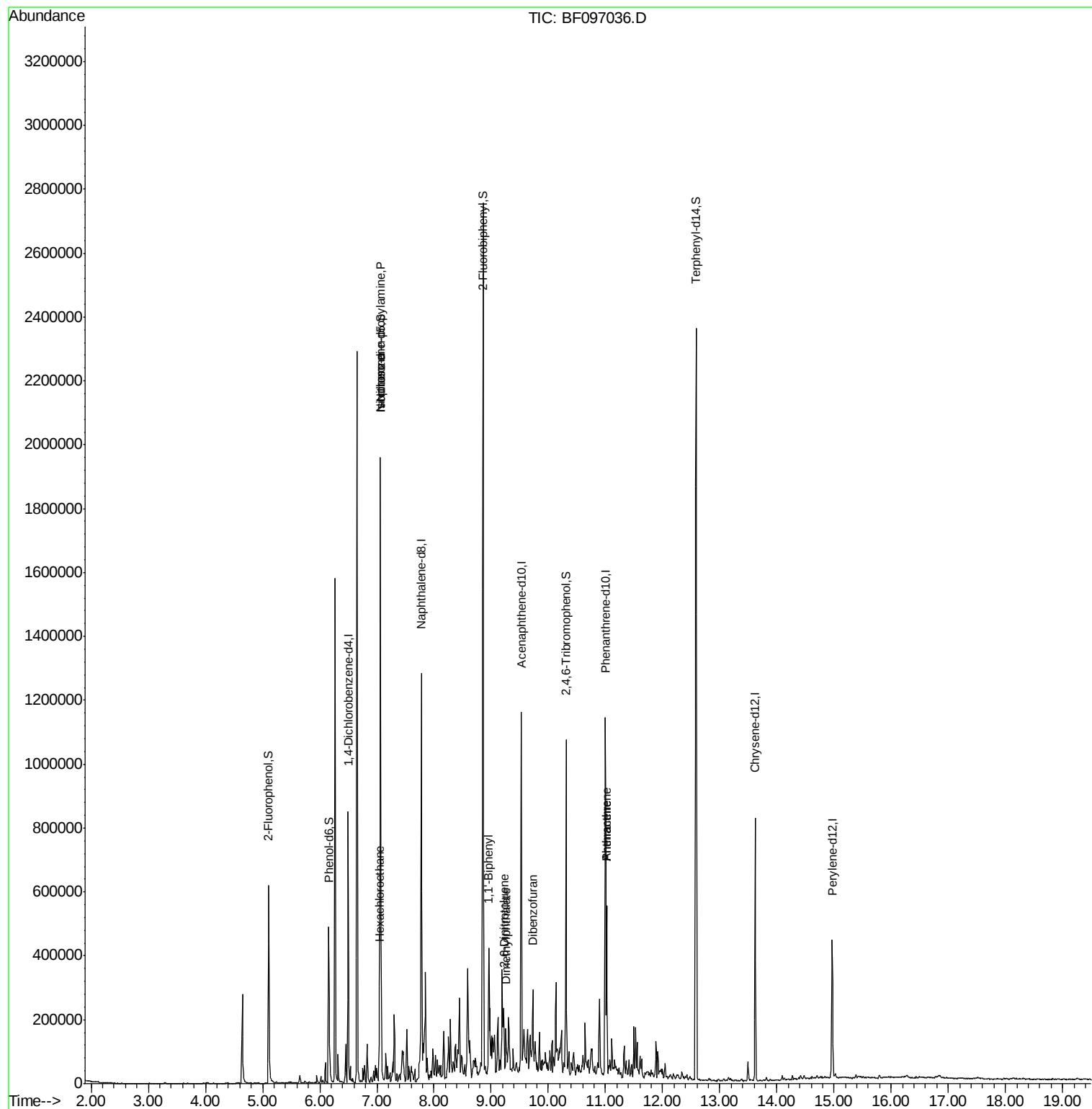
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.04	117	12634	3.41	ng	# 1
19) n-Nitroso-di-n-propylamine	7.06	70	89132	13.38	ng	# 86
25) Isophorone	7.06	82	644967	35.66	ng	# 67
45) 1,1'-Biphenyl	8.96	154	108331	5.55	ng	99
49) Dimethylphthalate	9.26	163	44789	2.58	ng	99
50) 2,6-Dinitrotoluene	9.23	165	7614	2.07	ng	# 72
54) Dibenzofuran	9.73	168	70216	4.06	ng	99
70) Phenanthrene	11.02	178	177632	8.45	ng	98
71) Anthracene	11.02	178	177632	8.25	ng	98

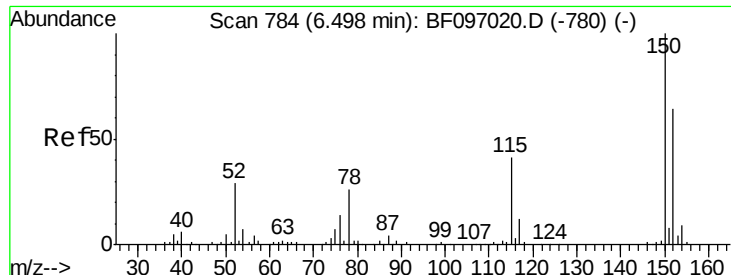
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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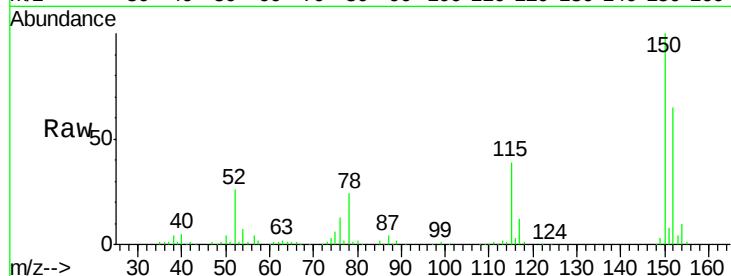


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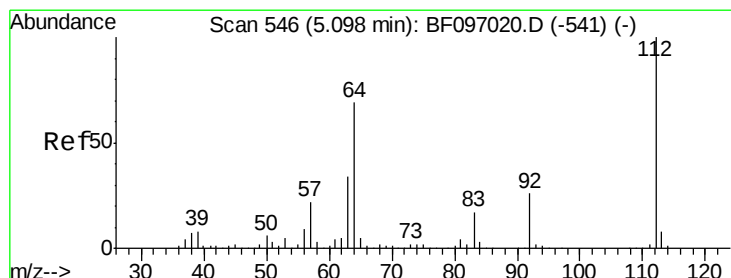
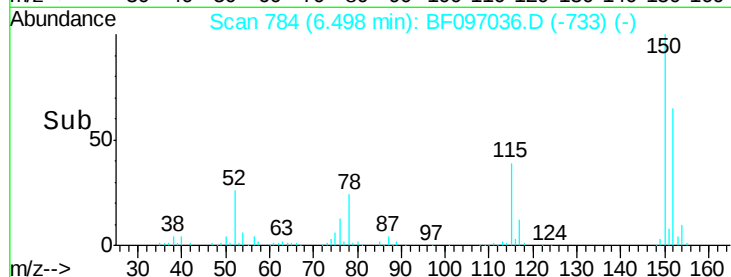
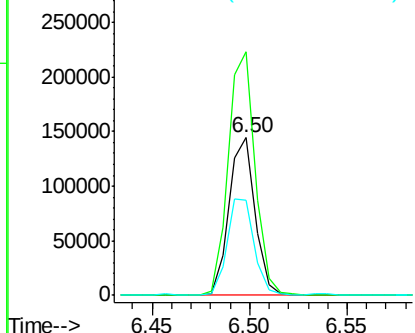
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Tot Ion:152 Resp: 133631
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.2
115 60.7 52.2 78.2



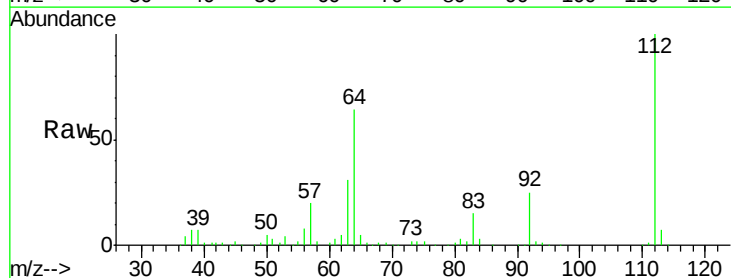
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



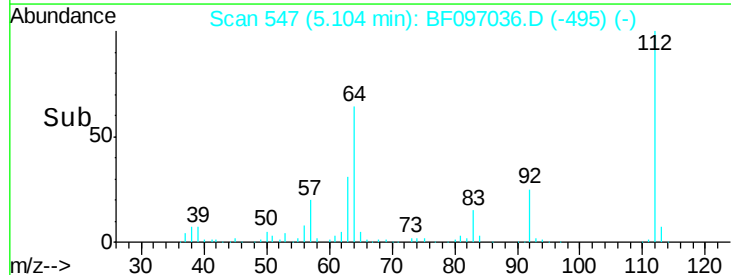
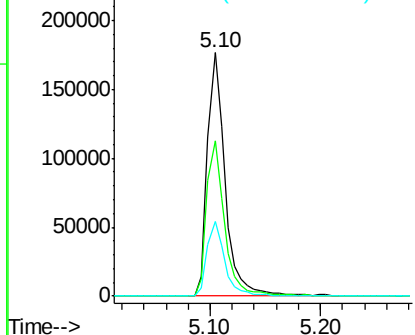
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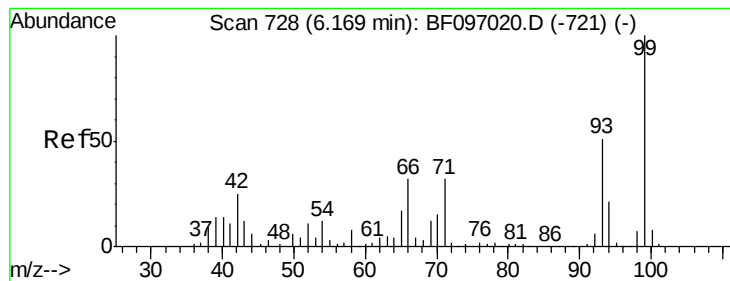
2-Fluorophenol
Concen: 21.74 ng
RT: 5.10 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion:112 Resp: 192749
Ion Ratio Lower Upper
112 100
64 64.0 46.0 69.0
63 30.9 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: 17.78 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

Instrument :

BNA_F

ClientSampleId :

MW-2-20170720

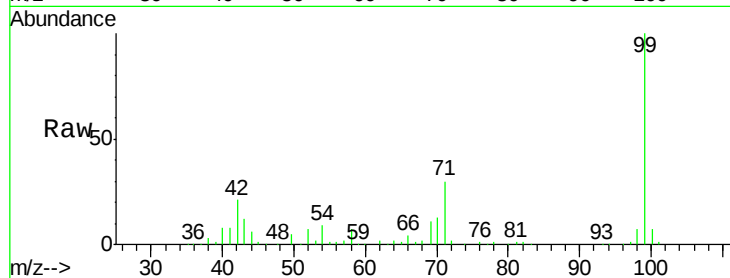
Tot Ion: 99 Resp: 179928

Ion Ratio Lower Upper

99 100

42 20.8 13.5 20.3#

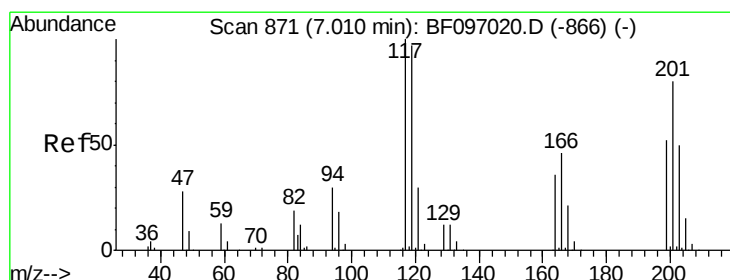
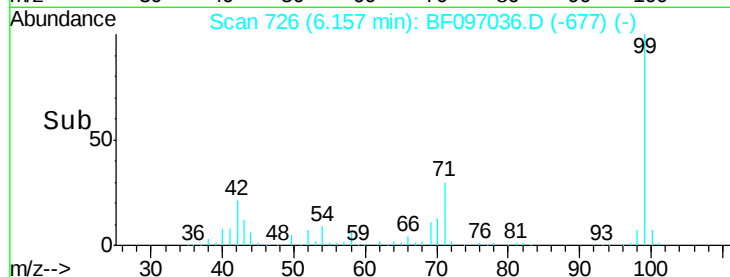
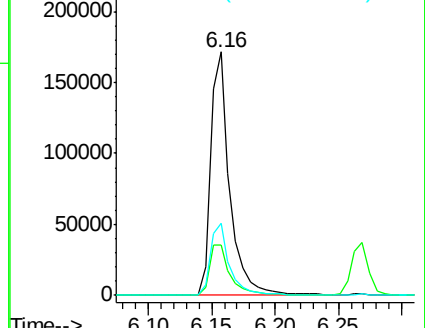
71 29.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 3.41 ng

RT: 7.04 min Scan# 876

Delta R.T. 0.03 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

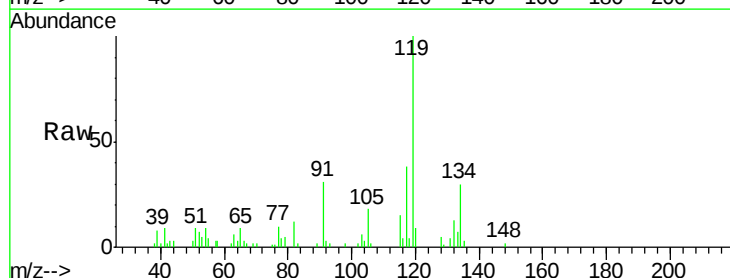
Tgt Ion: 117 Resp: 12634

Ion Ratio Lower Upper

117 100

119 266.3 77.4 116.0#

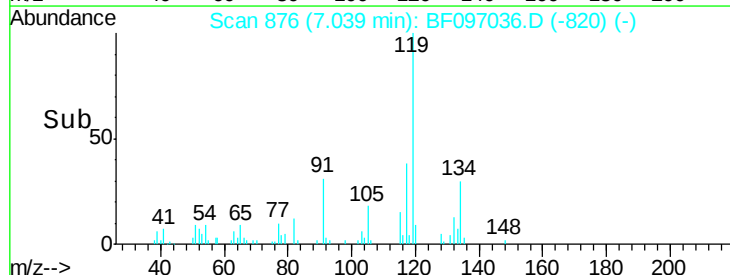
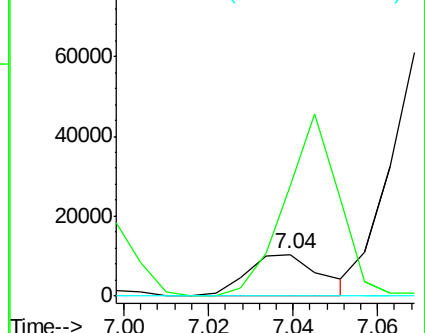
201 0.0 94.6 141.8#

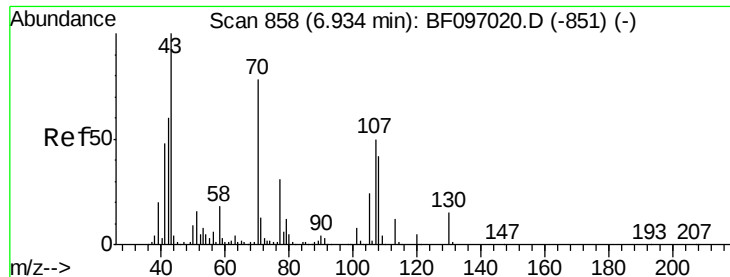


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

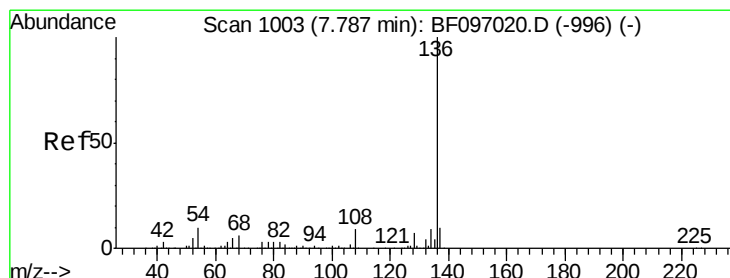
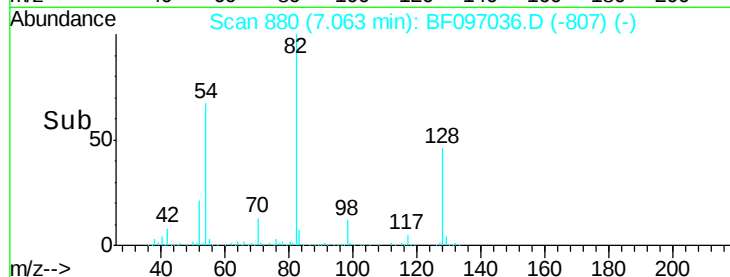
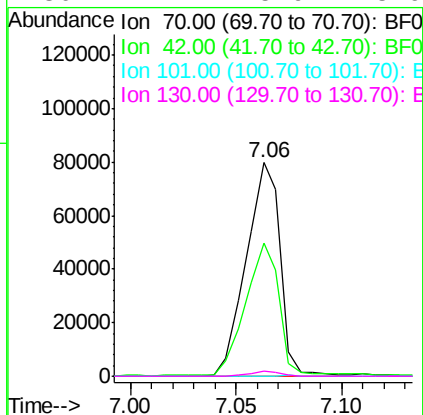
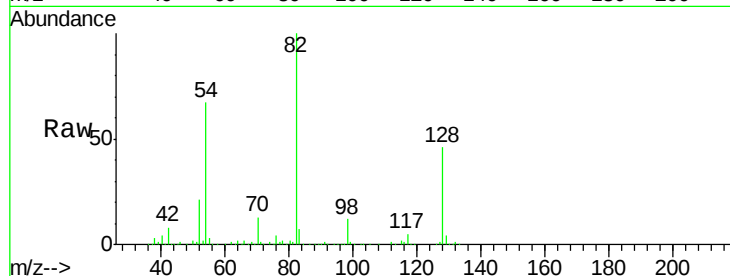




#19
n-Nitroso-di-n-propylamine
Concen: 13.38 ng
RT: 7.06 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

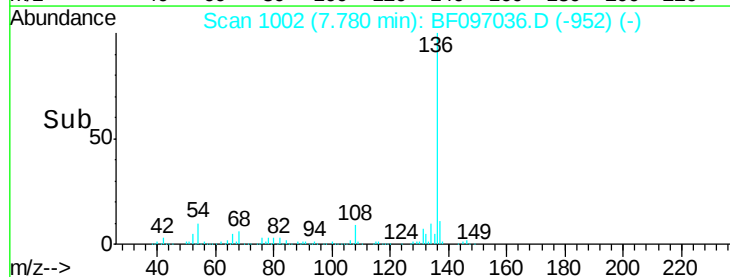
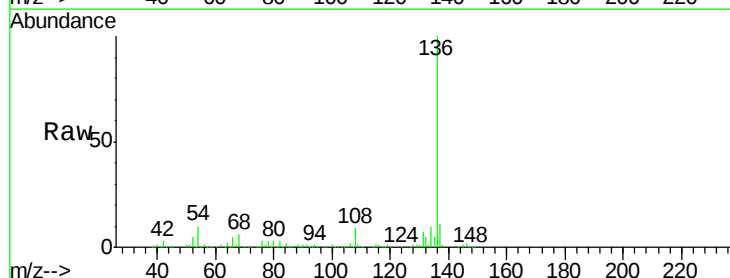
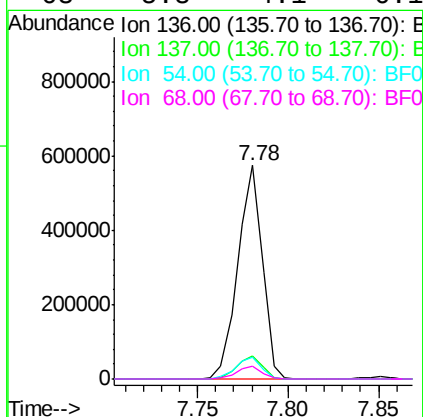
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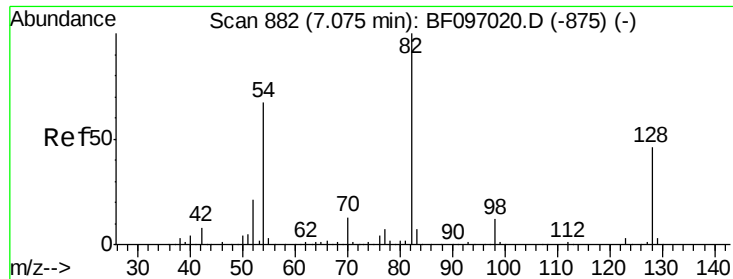
Tot Ion: 70 Resp: 89132
Ion Ratio Lower Upper
70 100
42 62.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion:136 Resp: 541853
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.4 4.9 7.3#
68 5.8 4.1 6.1

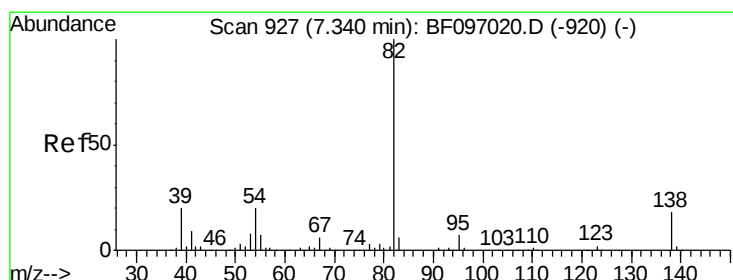
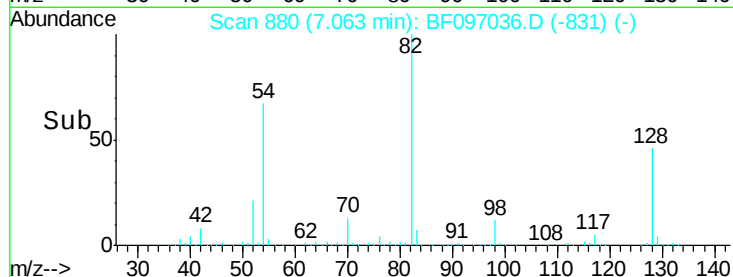
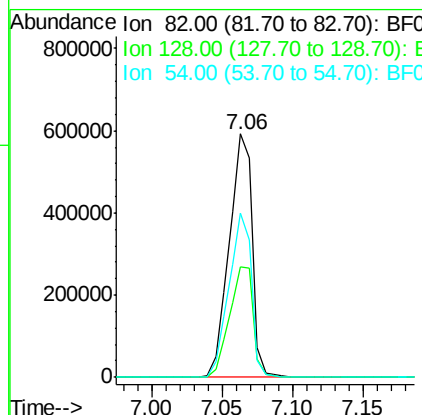
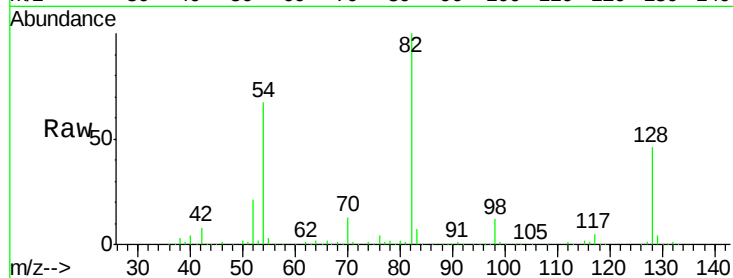




#23
Nitrobenzene-d5
Concen: 72.32 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

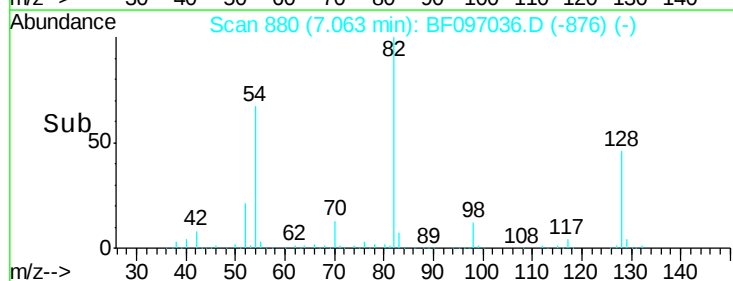
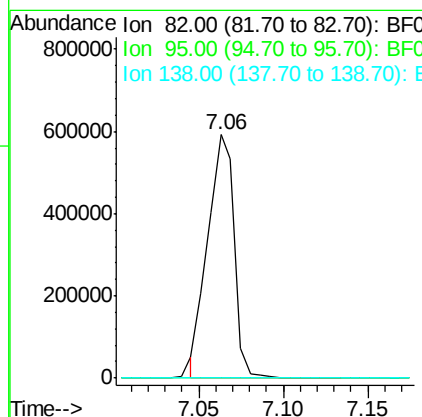
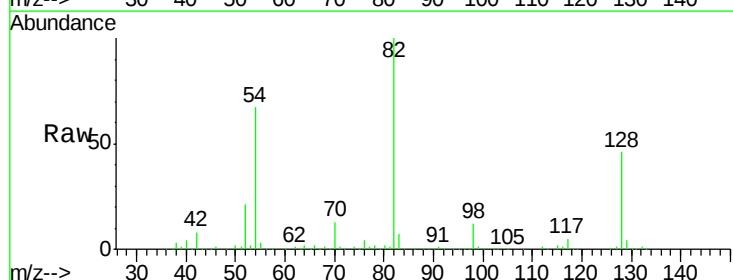
Instrument :
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ClientSampleId :
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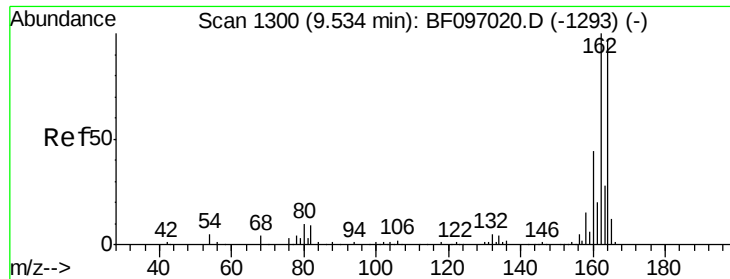
Tot Ion: 82 Resp: 667980
Ion Ratio Lower Upper
82 100
128 45.5 34.0 51.0
54 67.4 42.2 63.2#



#25
Isophorone
Concen: 35.66 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion: 82 Resp: 644967
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#

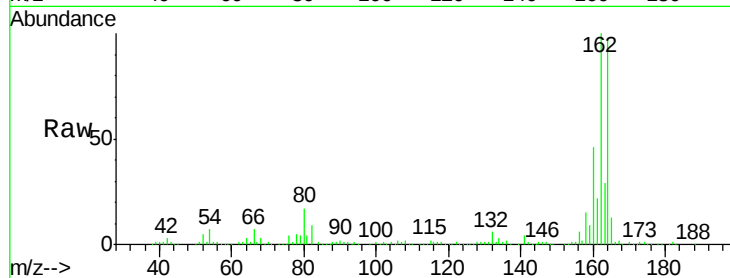




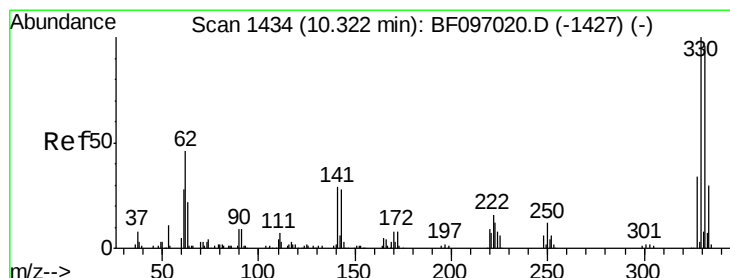
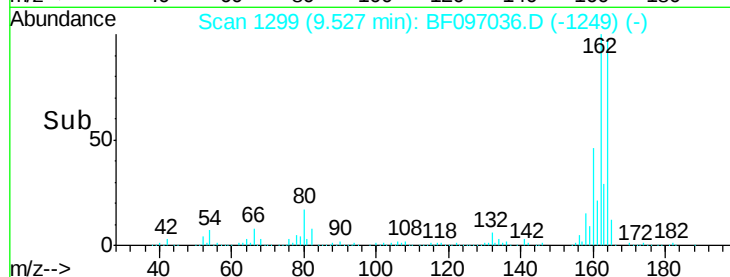
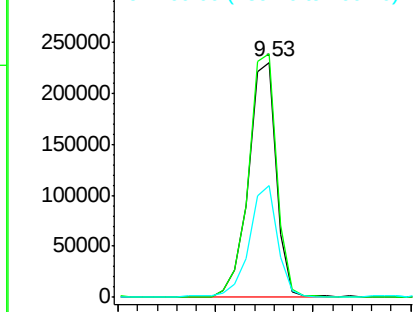
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Tot Ion:164 Resp: 228377
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 47.6 36.2 54.2

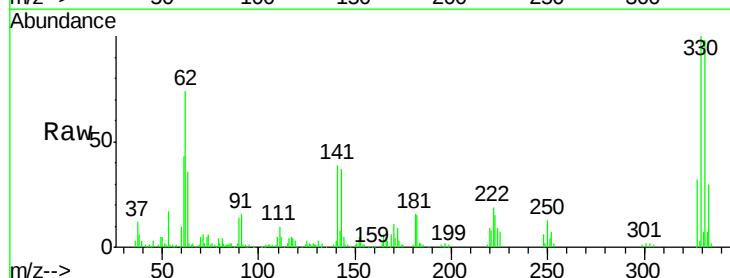


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

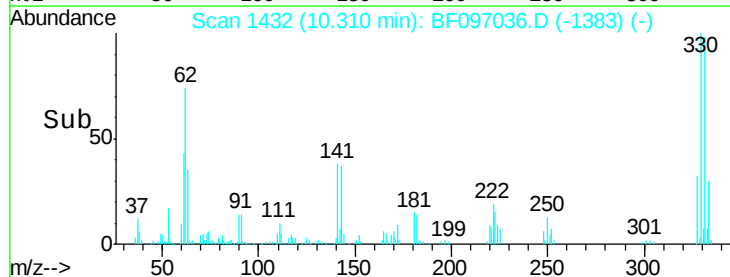
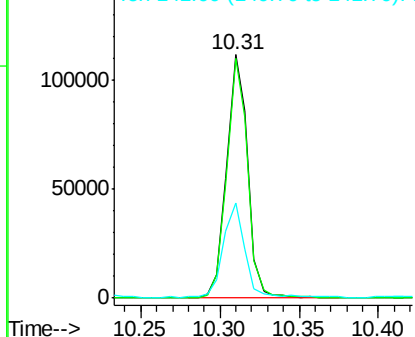


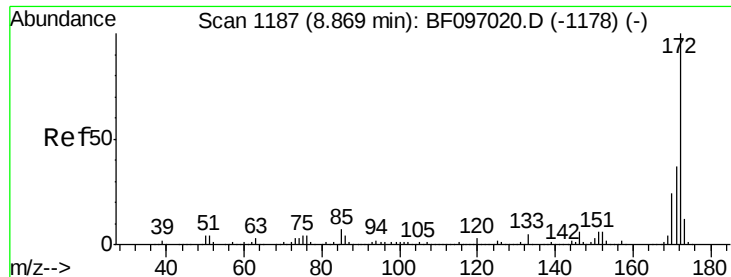
#41
2,4,6-Tribromophenol
Concen: 56.88 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion:330 Resp: 102630
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 42.6 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



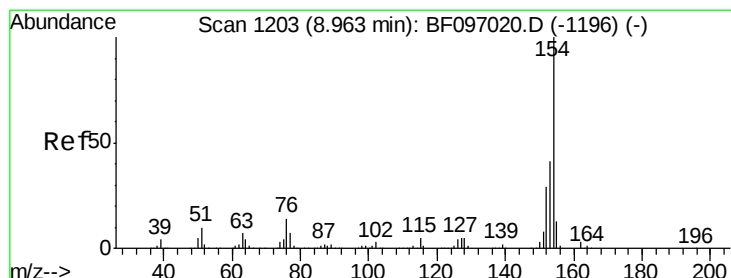
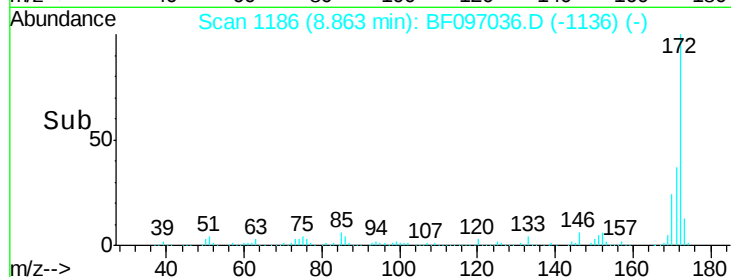
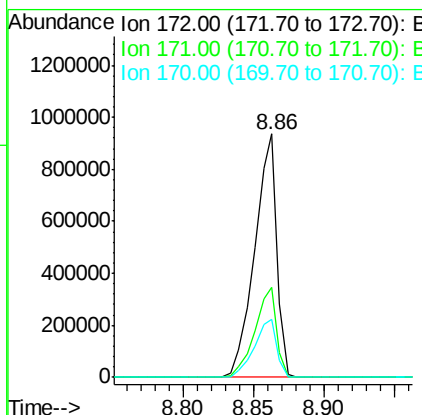
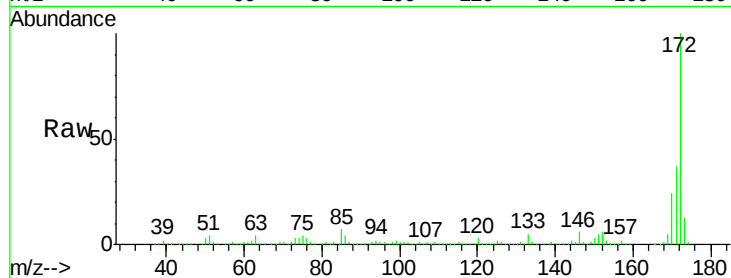


#44
 2-Fluorobiphenyl
 Concen: 76.86 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

Instrument :
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 MW-2-20170720

Tot Ion:172 Resp: 1034237

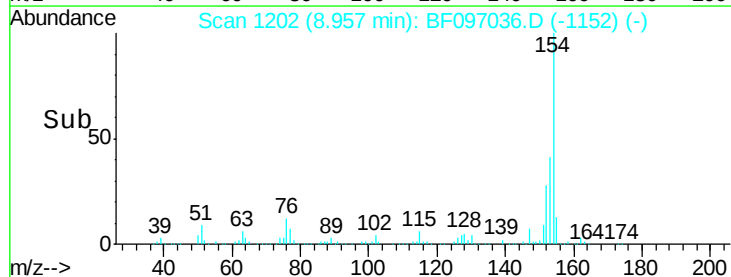
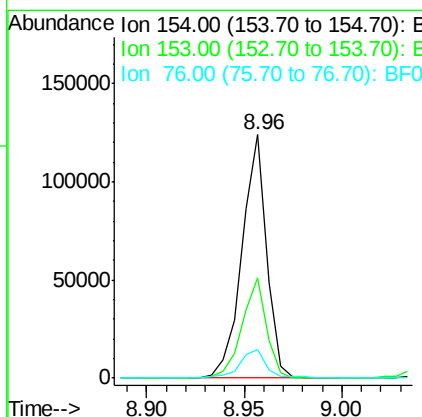
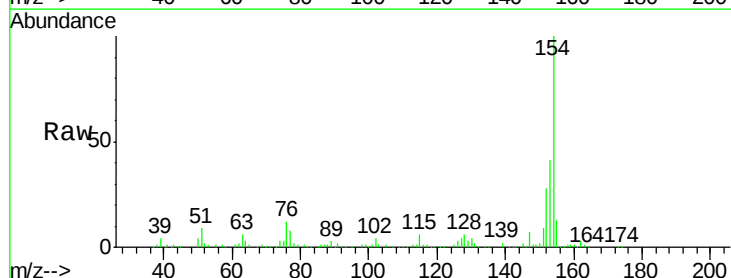
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	24.0	19.8	29.8

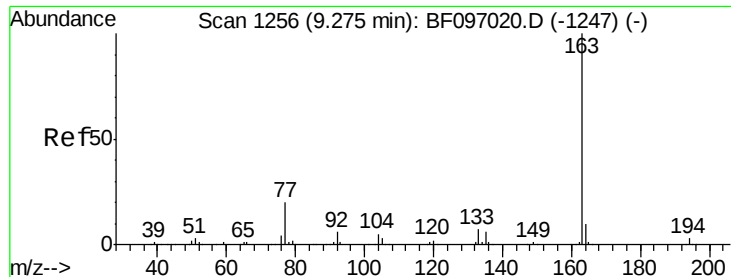


#45
 1,1'-Biphenyl
 Concen: 5.55 ng
 RT: 8.96 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

Tgt Ion:154 Resp: 108331

Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.2	61.2
76	11.9	0.0	29.9

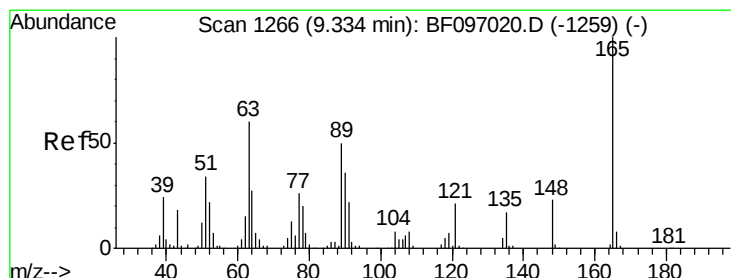
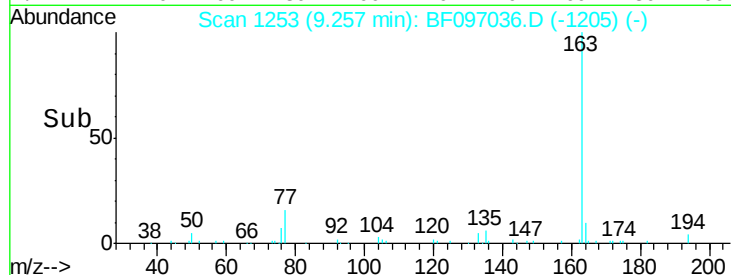
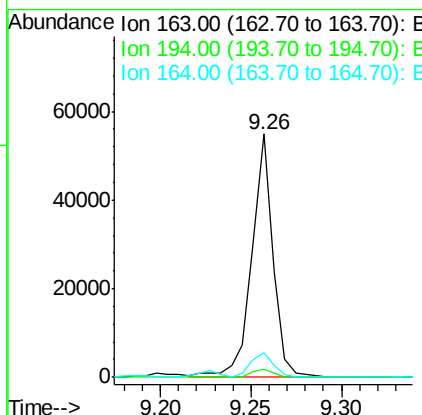
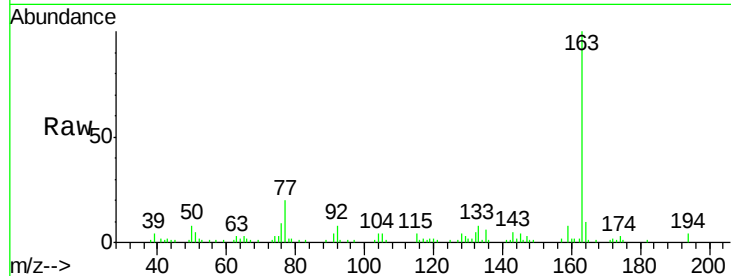




#49
Dimethylphthalate
Concen: 2.58 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

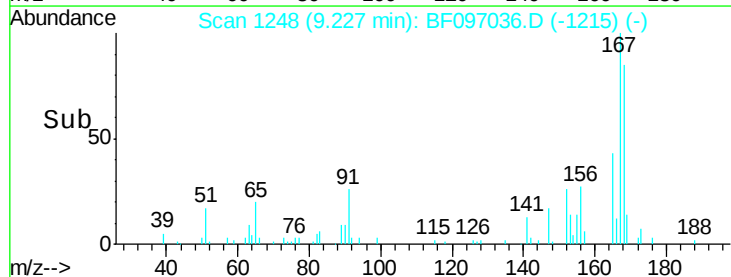
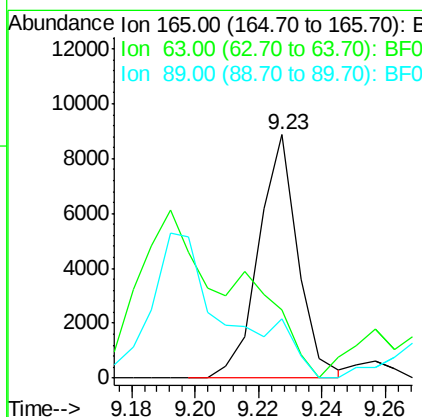
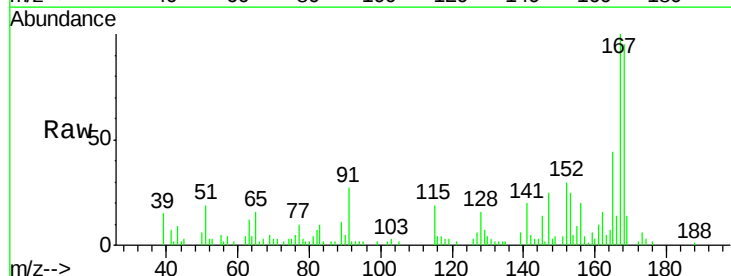
Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

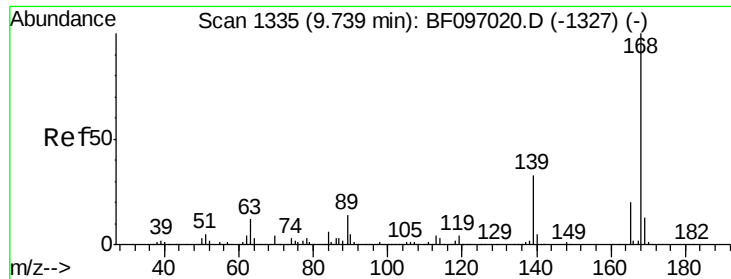
Tot Ion:163 Resp: 44789
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.1 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 2.07 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.11 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion:165 Resp: 7614
Ion Ratio Lower Upper
165 100
63 27.9 34.3 51.5#
89 24.5 37.1 55.7#

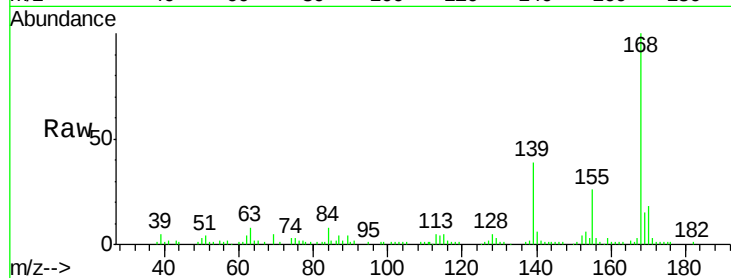




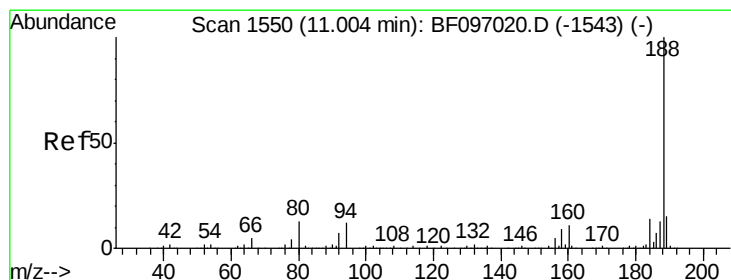
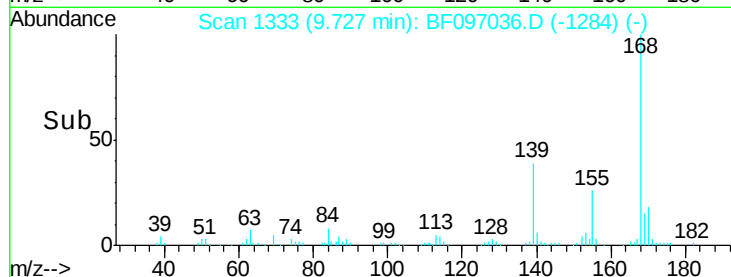
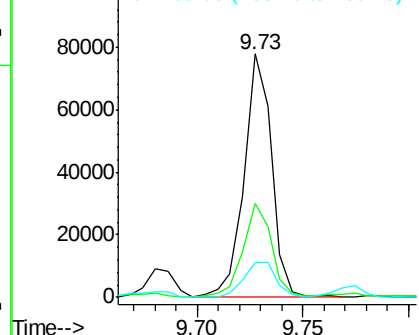
#54
Dibenzenofuran
Concen: 4.06 ng
RT: 9.73 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Tot Ion:168 Resp: 70216
Ion Ratio Lower Upper
168 100
139 38.5 30.6 45.8
169 14.6 10.8 16.2

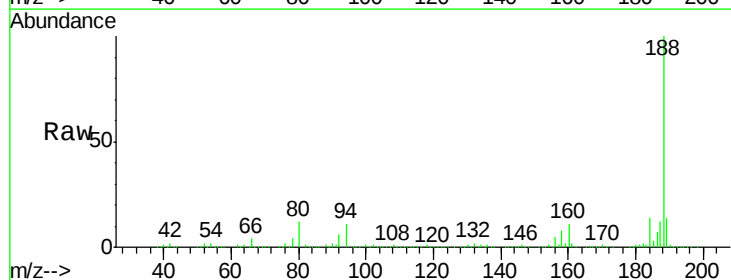


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

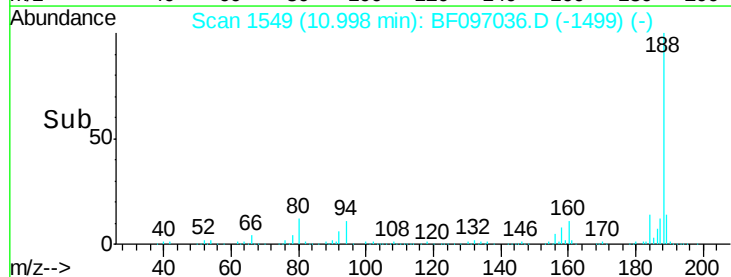
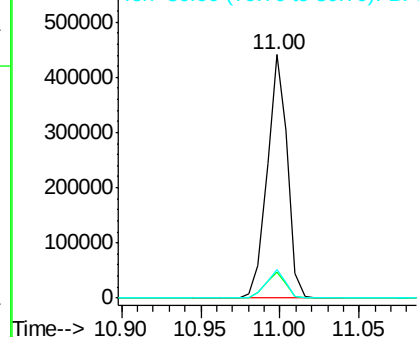


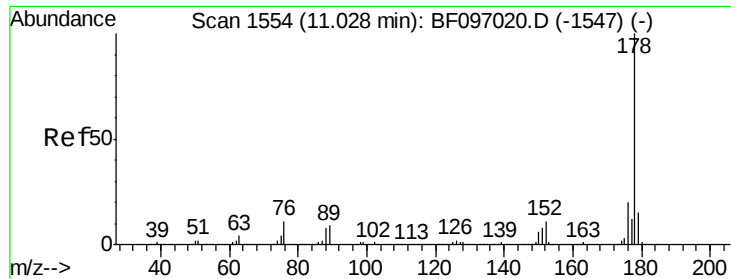
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion:188 Resp: 392384
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.6 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





#70

Phenanthrene

Concen: 8.45 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

Instrument :

BNA_F

ClientSampleId :

MW-2-20170720

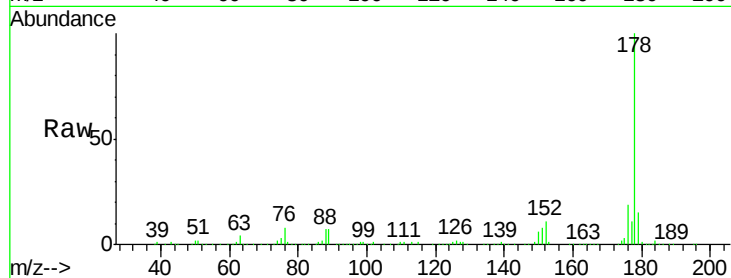
Tot Ion:178 Resp: 177632

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

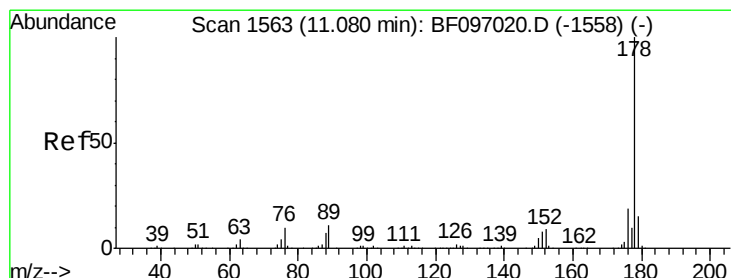
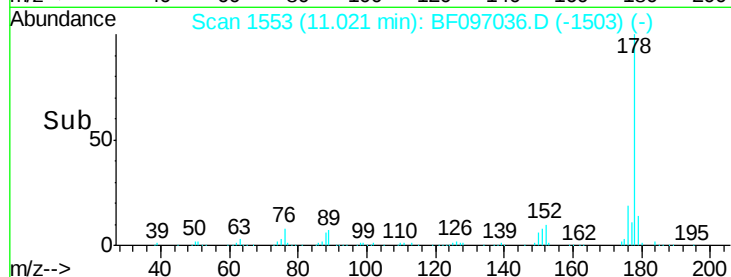
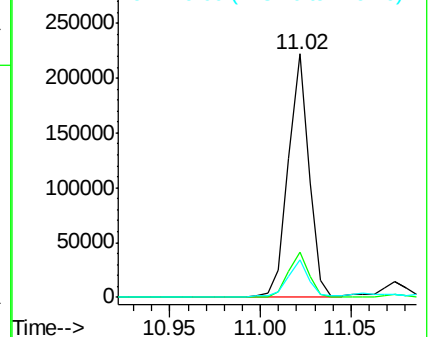
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 8.25 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.06 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

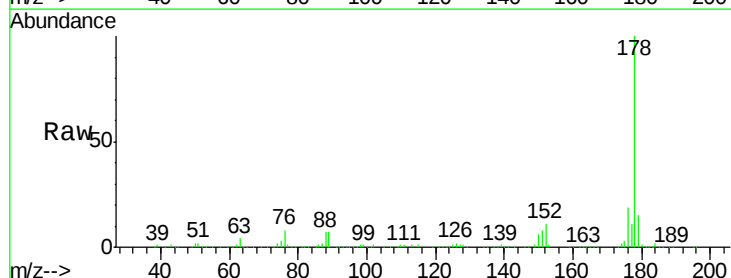
Tgt Ion:178 Resp: 177632

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

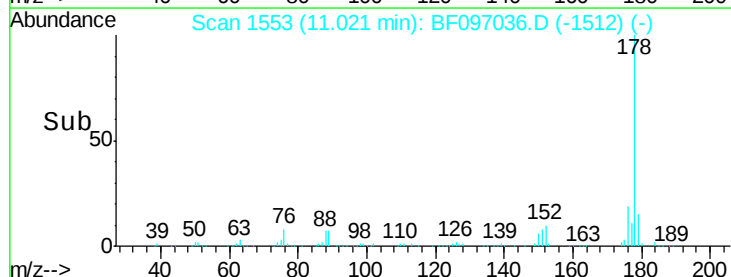
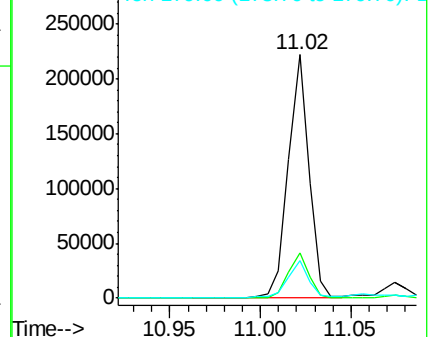
179 15.3 12.7 19.1

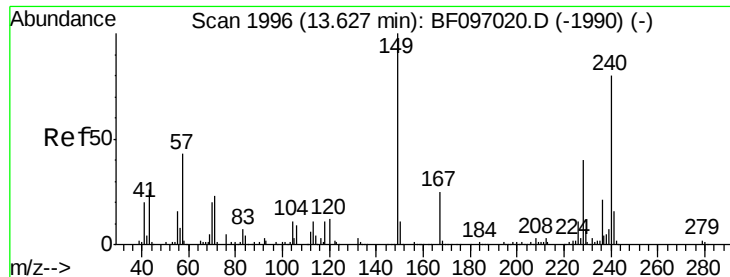


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

Instrument :

BNA_F

ClientSampleId :

MW-2-20170720

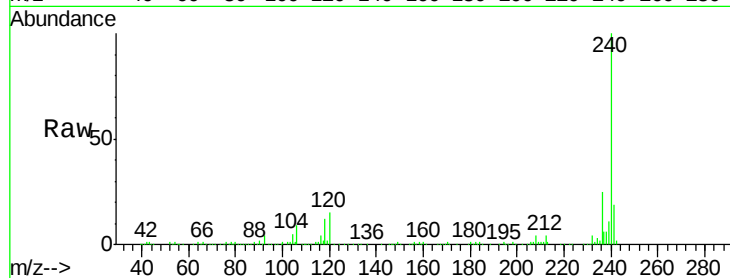
Tot Ion:240 Resp: 266233

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

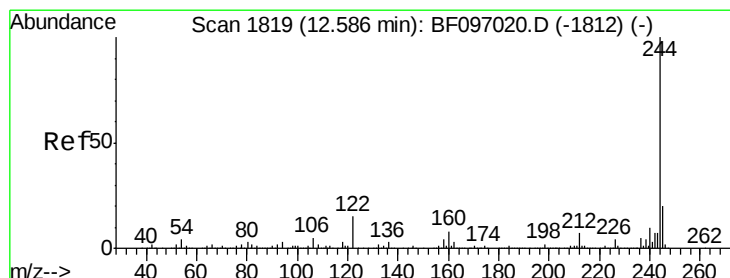
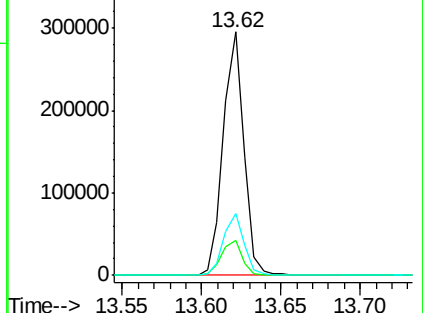
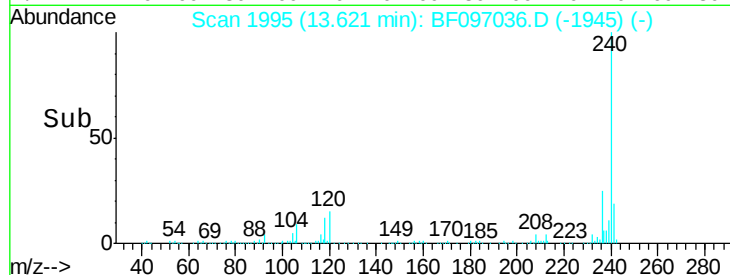
236 25.4 20.5 30.7



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



#78

Terphenyl-d14

Concen: 62.33 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

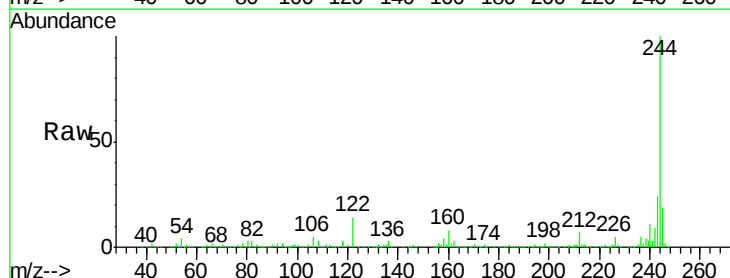
Tgt Ion:244 Resp: 813932

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

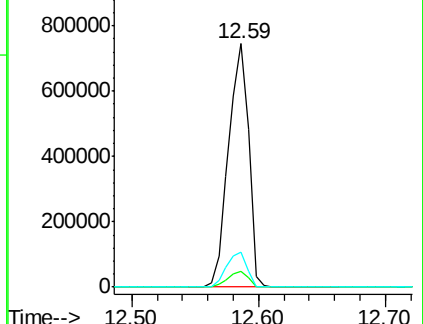
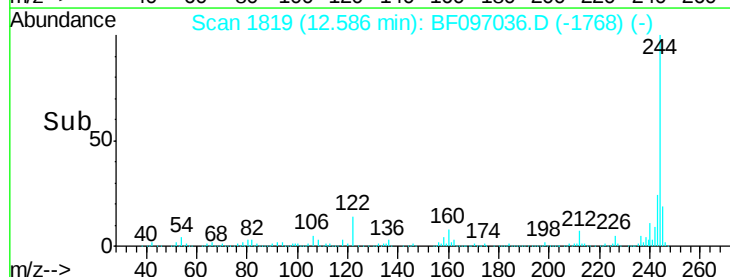
122 14.4 10.3 15.5

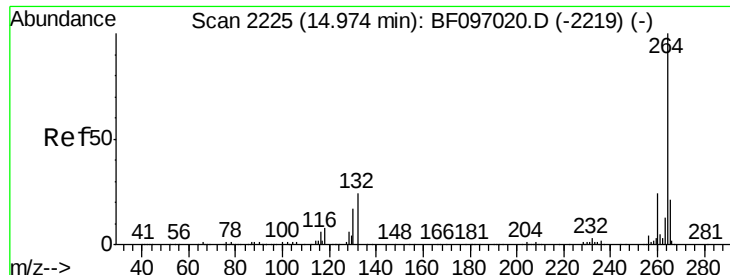


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

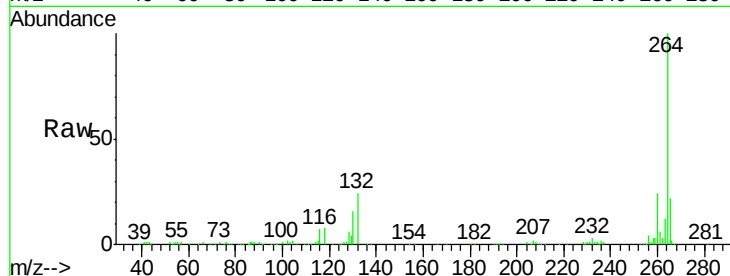




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.0	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

