

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097307.D
 Acq On : 3 Aug 2017 8:44
 Operator : SJ/JU
 Sample : I4537-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 11:59:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

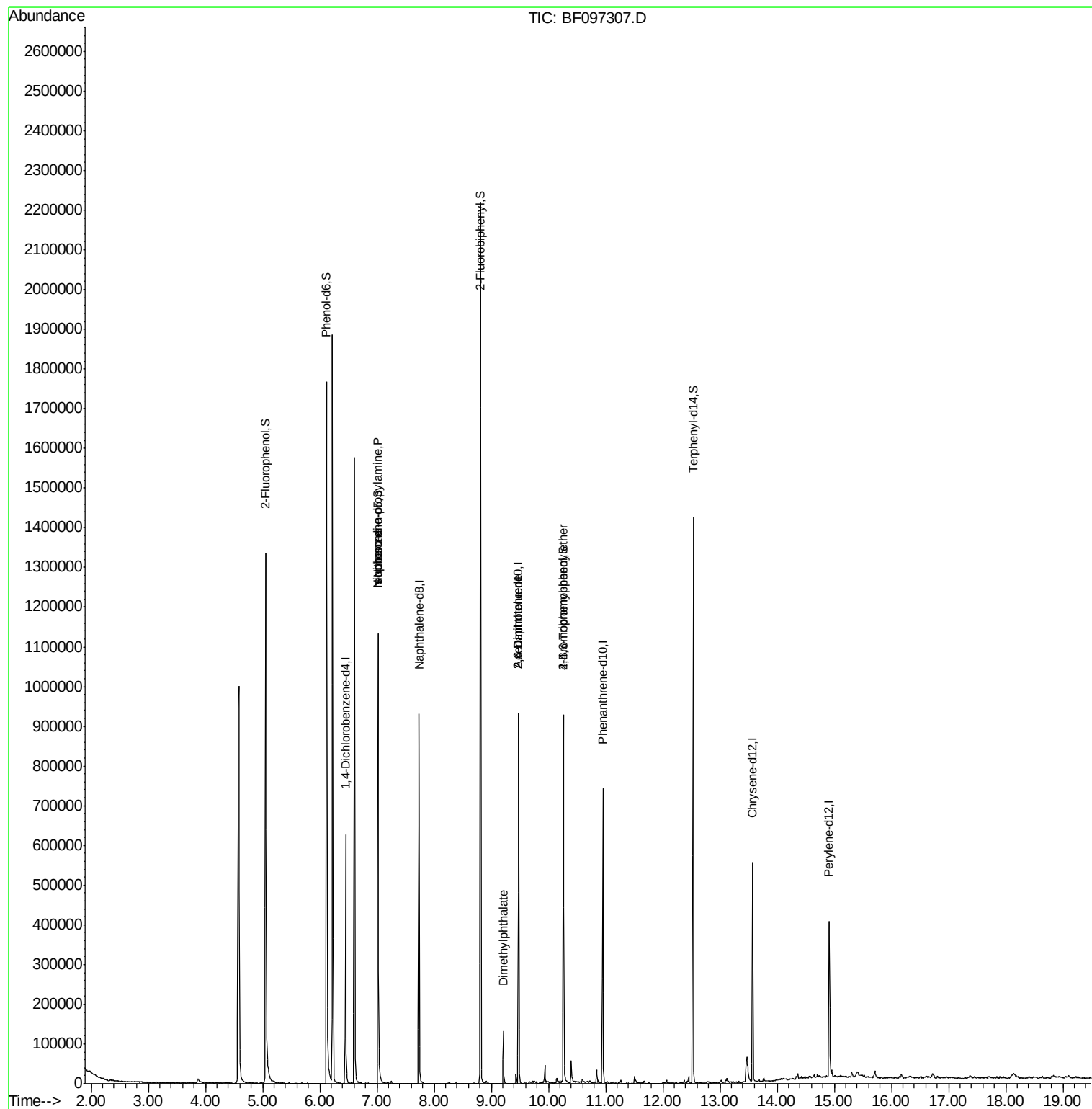
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	98888	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	416218	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	176728	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	285390	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	182558	20.00	ng	-0.06
86) Perylene-d12	14.91	264	158624	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	468111	71.36	ng	-0.05
7) Phenol-d6	6.12	99	615363	82.17	ng	-0.05
23) Nitrobenzene-d5	7.02	82	381389	53.76	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	101459	72.66	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	695645	66.80	ng	-0.06
78) Terphenyl-d14	12.53	244	438790	49.01	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	50705	10.286	ng	# 88
25) Isophorone	7.02	82	372076	26.778	ng	# 67
49) Dimethylphthalate	9.21	163	51379	3.828	ng	# 98
50) 2,6-Dinitrotoluene	9.47	165	21784	7.653	ng	# 34
56) 2,4-Dinitrotoluene	9.47	165	21784	6.657	ng	# 33
66) 4-Bromophenyl-phenylether	10.26	248	6472	2.272	ng	# 1

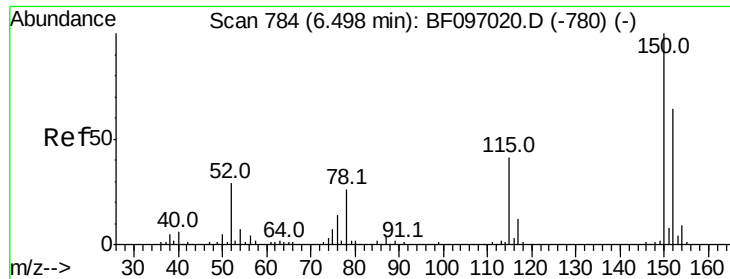
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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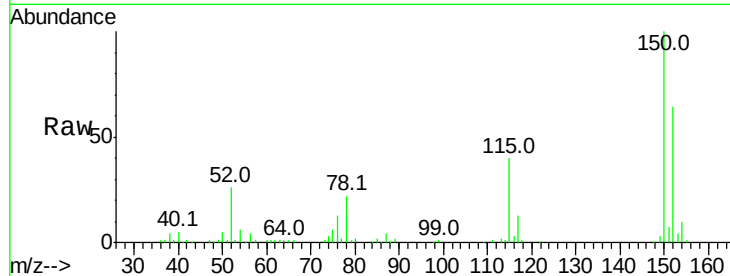


#1

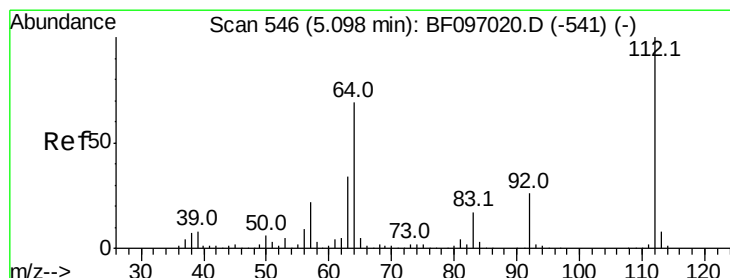
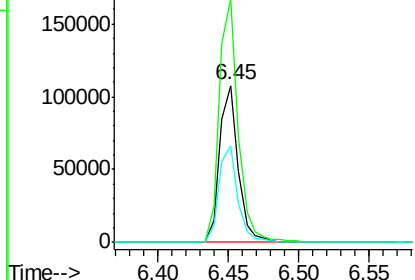
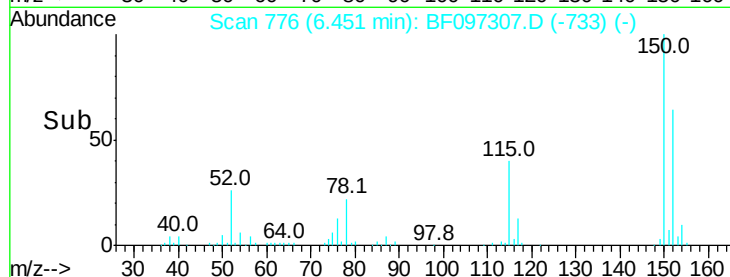
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097307.D
Acq: 3 Aug 2017 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98888
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 61.4 52.2 78.2



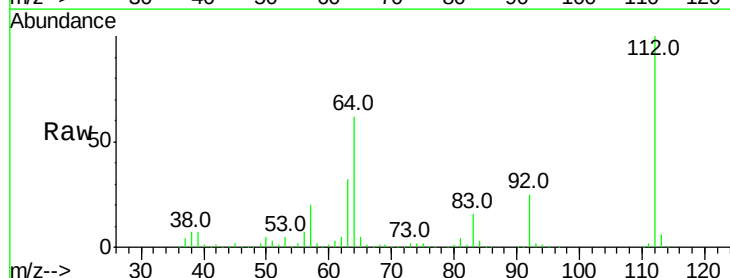
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



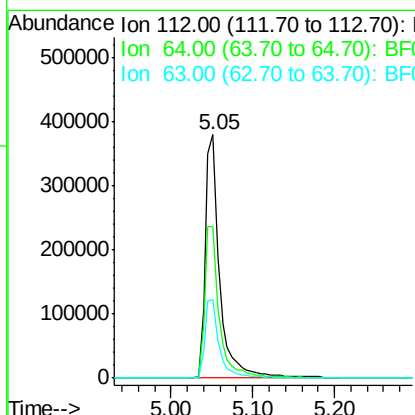
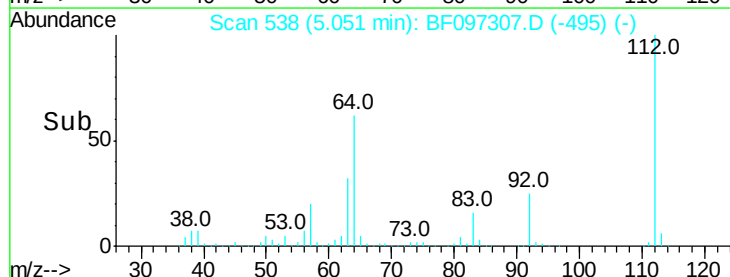
#5

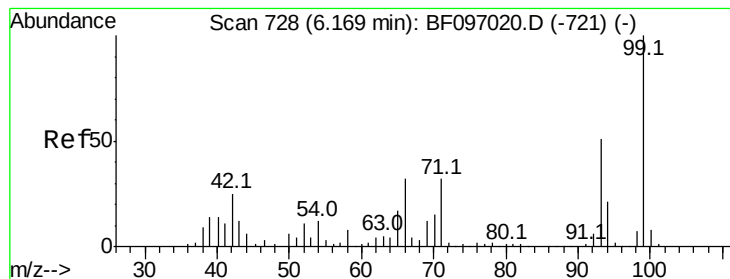
2-Fluorophenol
Concen: 71.361 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097307.D
Acq: 3 Aug 2017 8:44

Tgt Ion:112 Resp: 468111
Ion Ratio Lower Upper
112 100
64 62.2 46.0 69.0
63 32.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.171 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

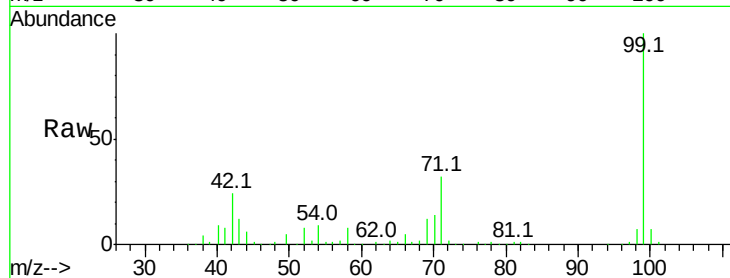
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 615363

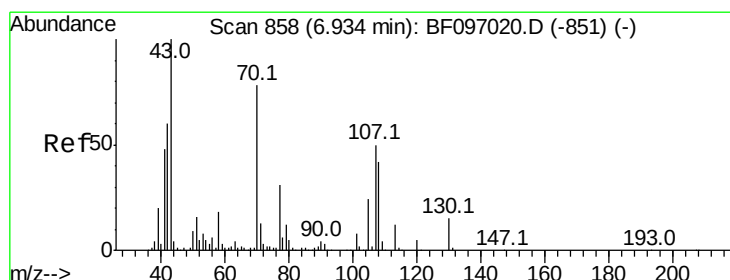
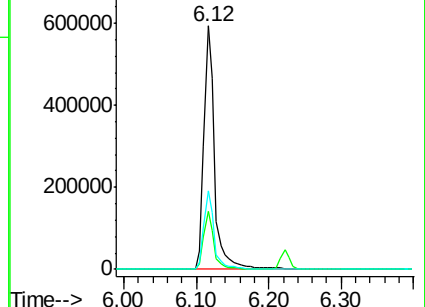
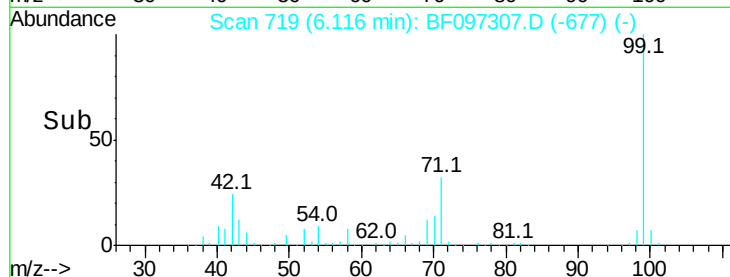
Ion	Ratio	Lower	Upper
99	100		
42	24.0	13.5	20.3#
71	32.3	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.286 ng

RT: 7.02 min Scan# 872

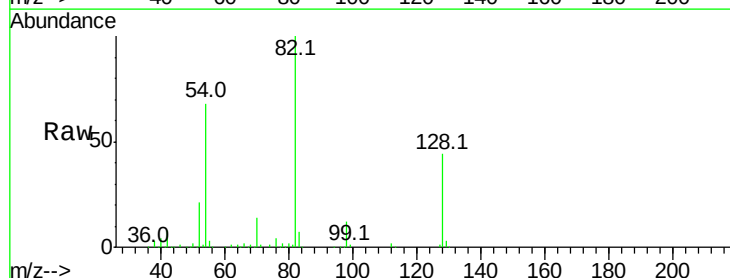
Delta R.T. 0.08 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

Tgt Ion: 70 Resp: 50705

Ion	Ratio	Lower	Upper
70	100		
42	59.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#

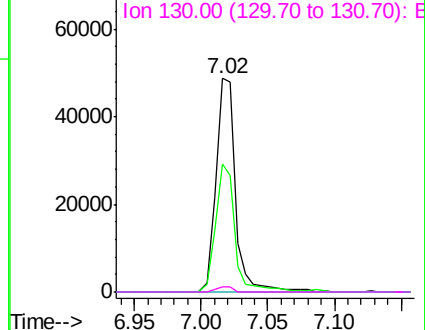
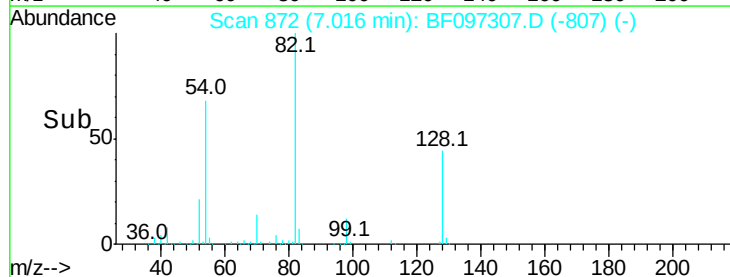


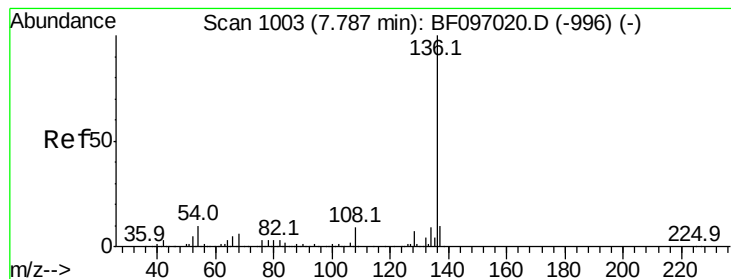
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.73 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 416218

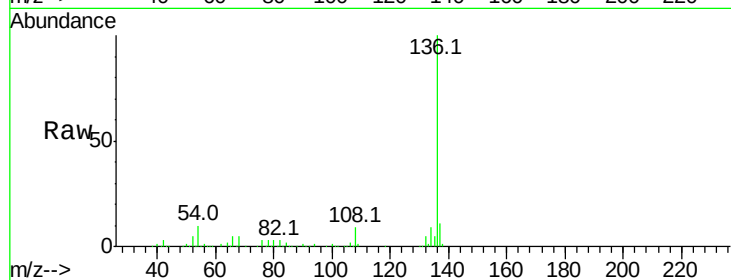
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.6 4.9 7.3#

68 5.1 4.1 6.1

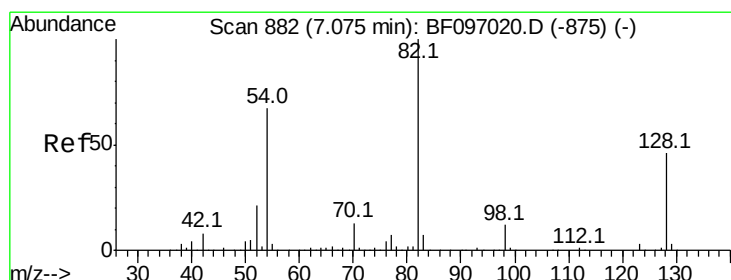
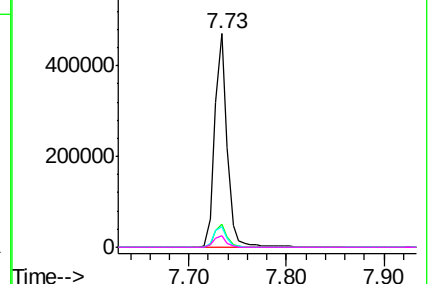
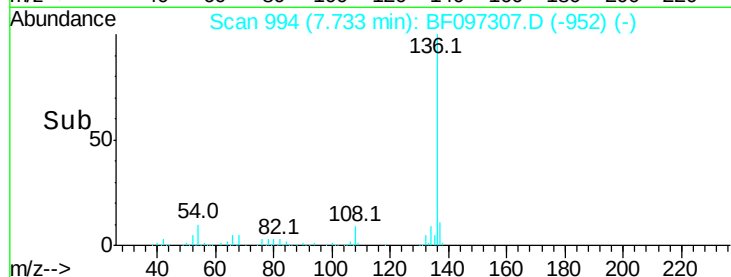


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 53.755 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.06 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

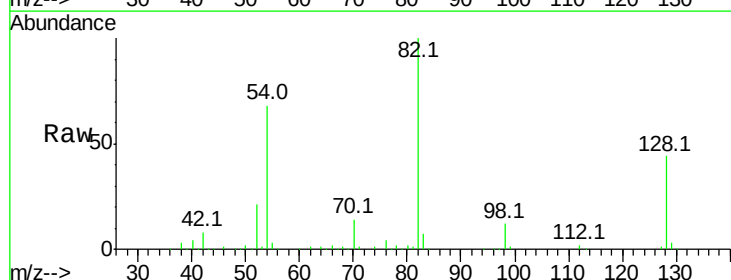
Tgt Ion: 82 Resp: 381389

Ion Ratio Lower Upper

82 100

128 44.4 34.0 51.0

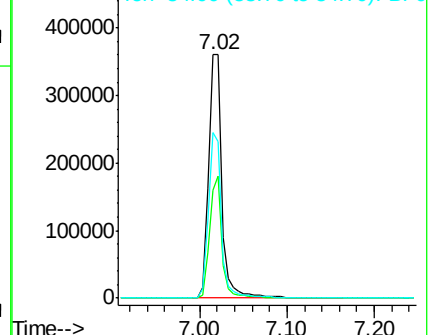
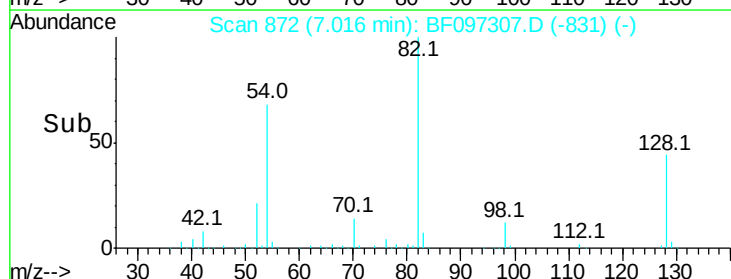
54 68.0 42.2 63.2#

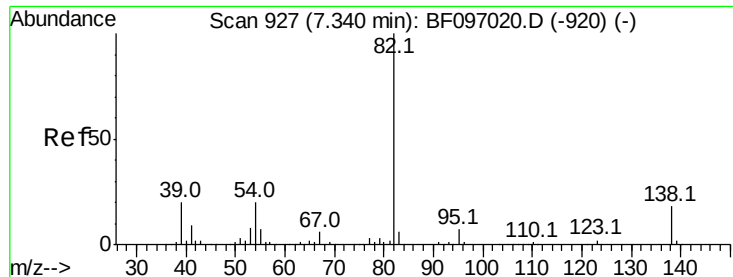


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 26.778 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

Instrument :

BNA_F

ClientSampled :

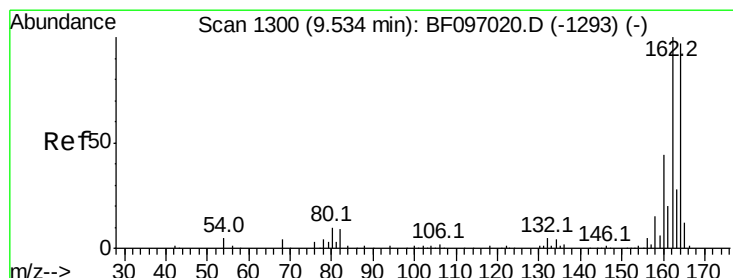
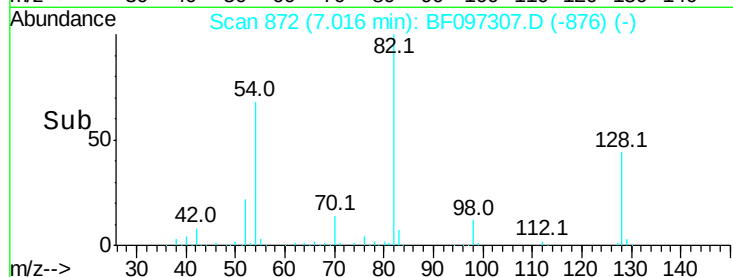
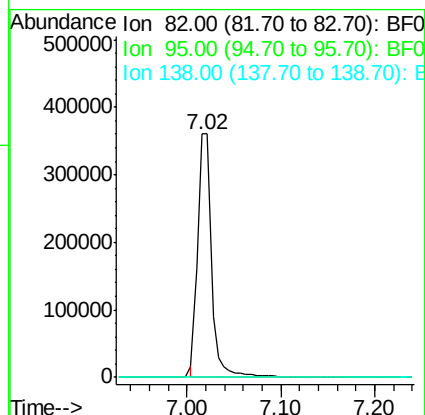
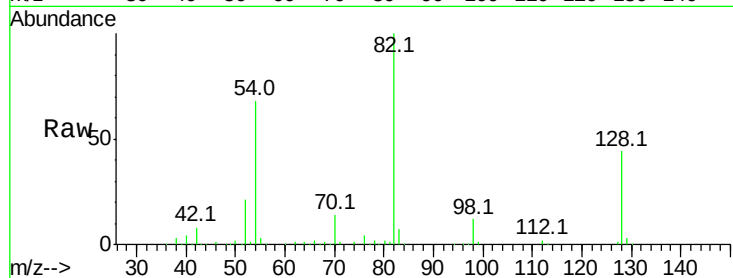
Tot Ion: 82 Resp: 372076

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.06 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

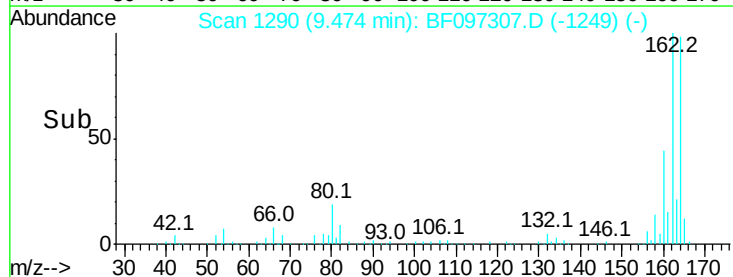
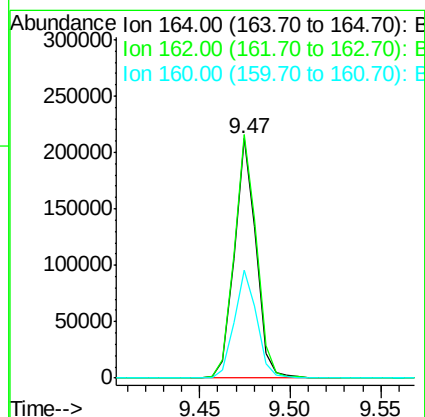
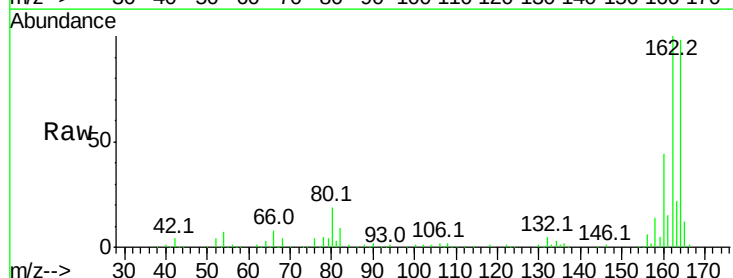
Tgt Ion: 164 Resp: 176728

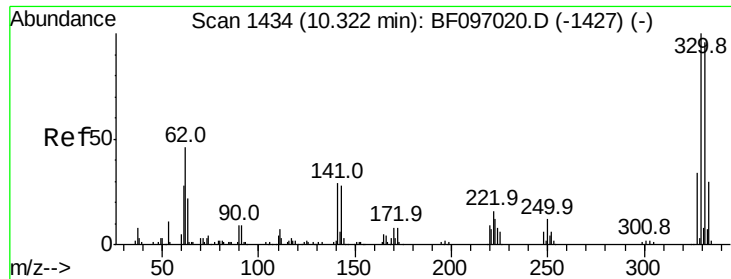
Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

160 44.9 36.2 54.2

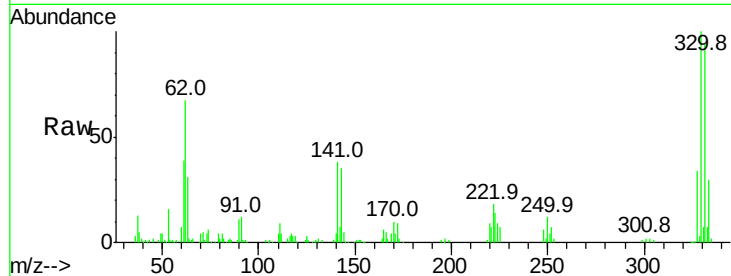




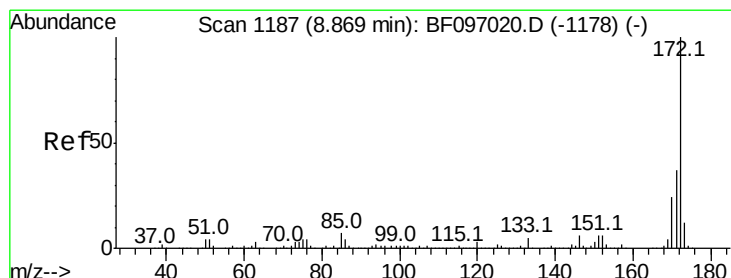
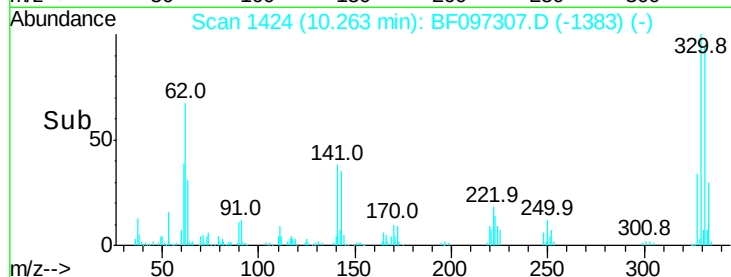
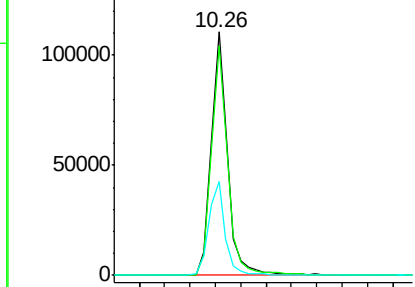
#41
 2,4,6-Tribromophenol
 Concen: 72.662 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097307.D
 Acq: 3 Aug 2017 8:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	38.4	31.4	47.2

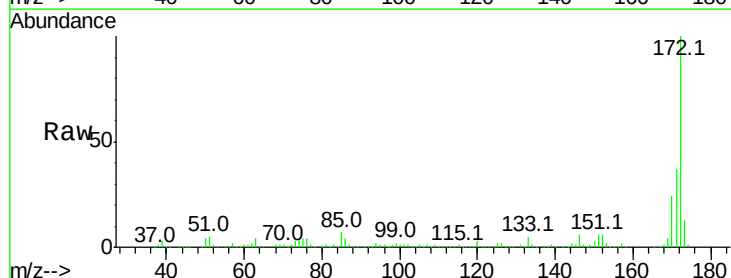


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

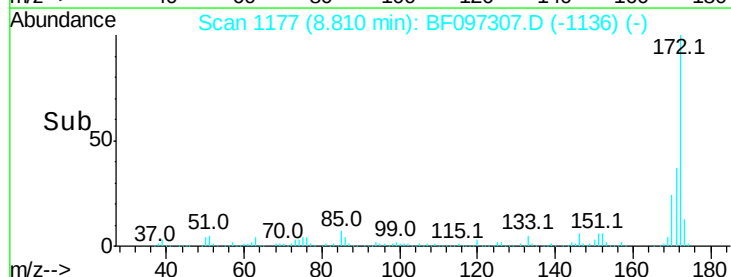
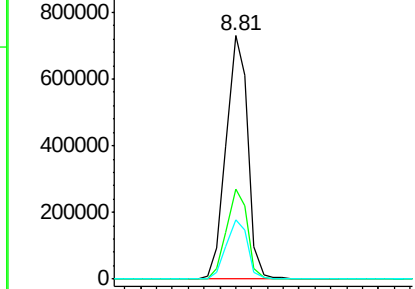


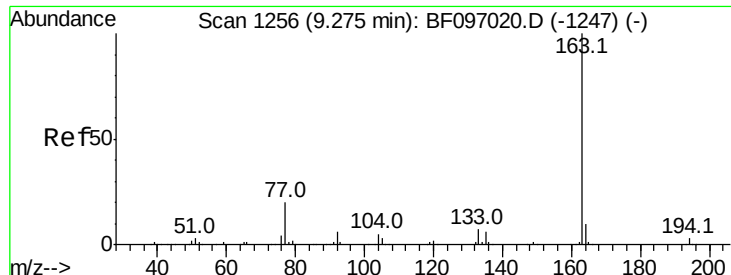
#44
 2-Fluorobiphenyl
 Concen: 66.802 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097307.D
 Acq: 3 Aug 2017 8:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.6	44.4
170	24.5	19.8	29.8



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

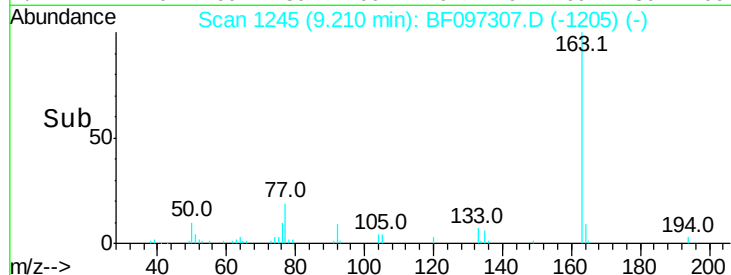
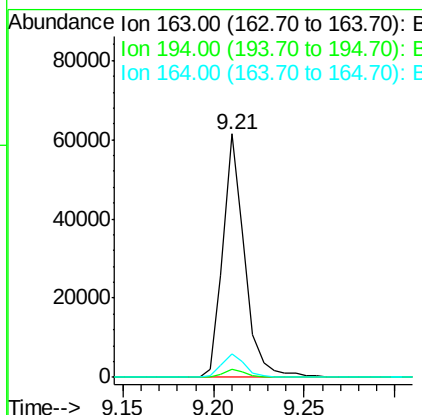
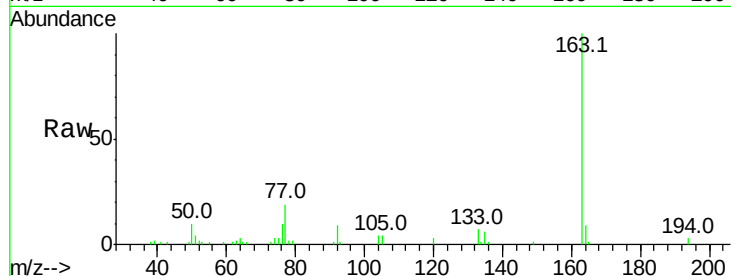




#49
Dimethylphthalate
Concen: 3.828 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097307.D
Acq: 3 Aug 2017 8:44

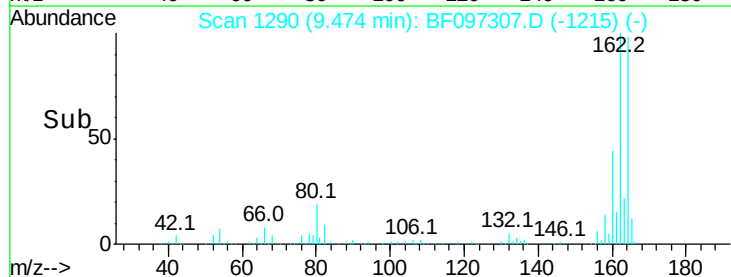
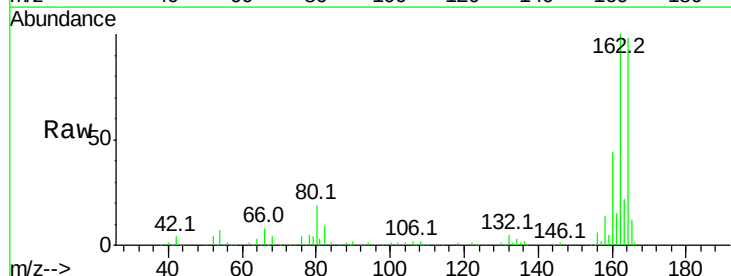
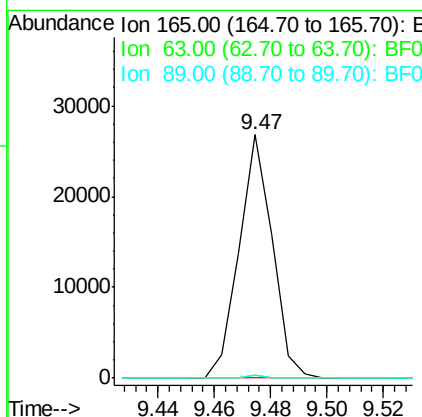
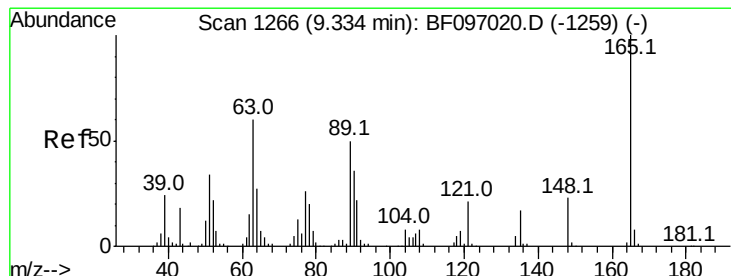
Instrument :
BNA_F
ClientSampleId :

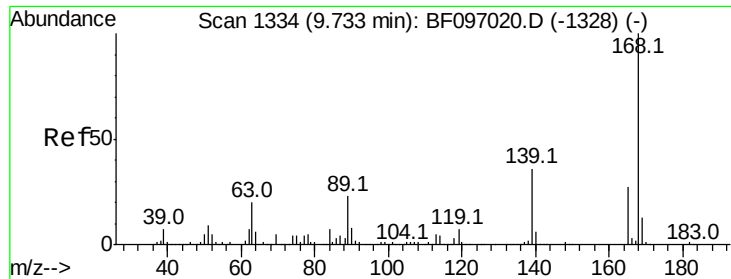
Tot Ion:163 Resp: 51379
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.5 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.653 ng
RT: 9.47 min Scan# 1290
Delta R.T. 0.14 min
Lab File: BF097307.D
Acq: 3 Aug 2017 8:44

Tgt Ion:165 Resp: 21784
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 1.4 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 6.657 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.26 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 21784

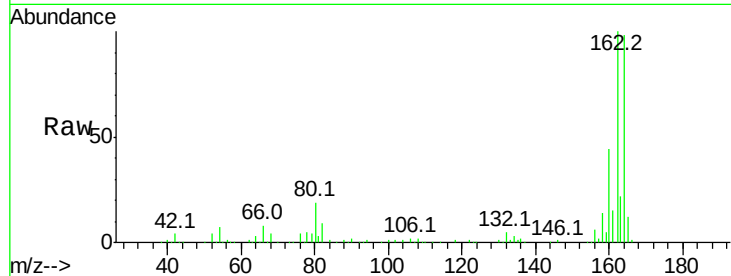
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

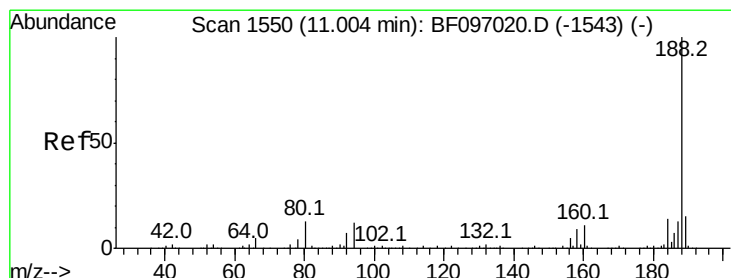
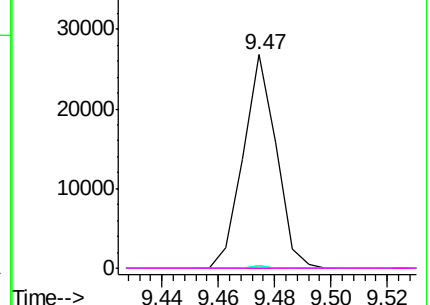
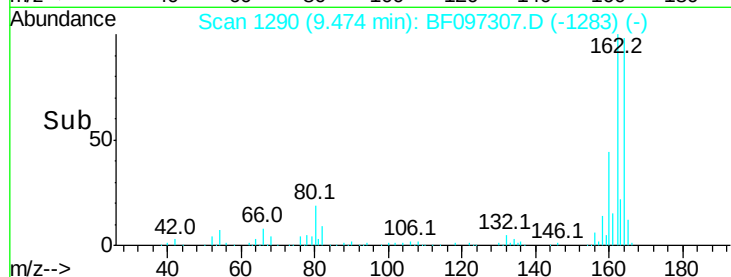


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.95 min Scan# 1541

Delta R.T. -0.05 min

Lab File: BF097307.D

Acq: 3 Aug 2017 8:44

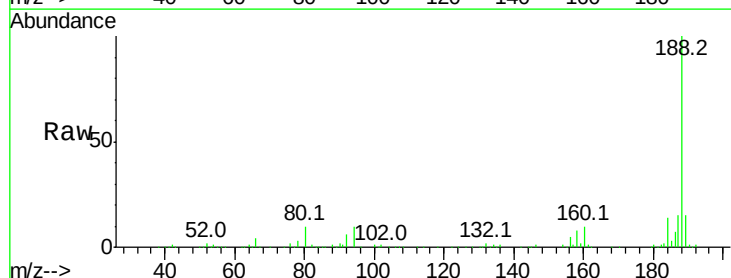
Tgt Ion:188 Resp: 285390

Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

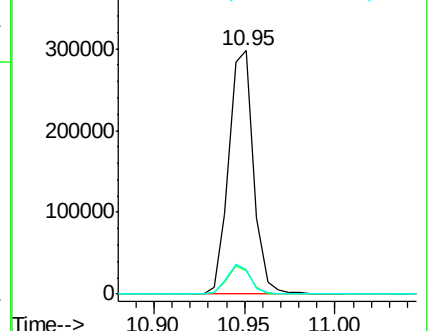
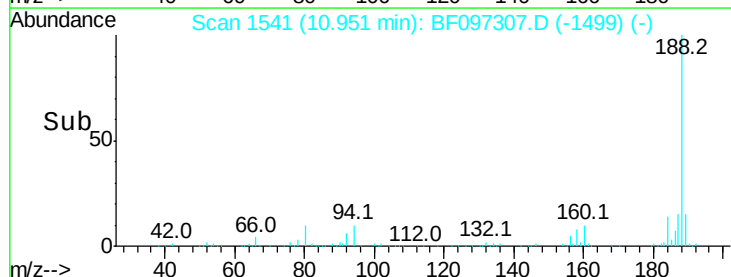
80 10.1 10.2 15.2#

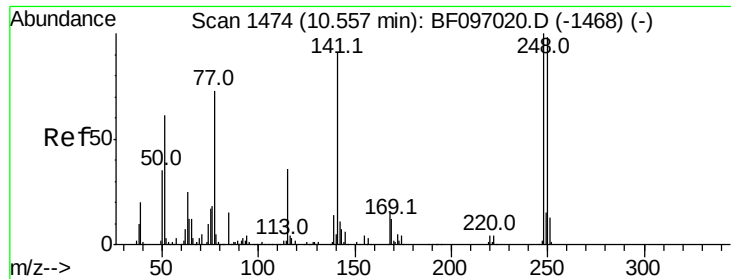


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

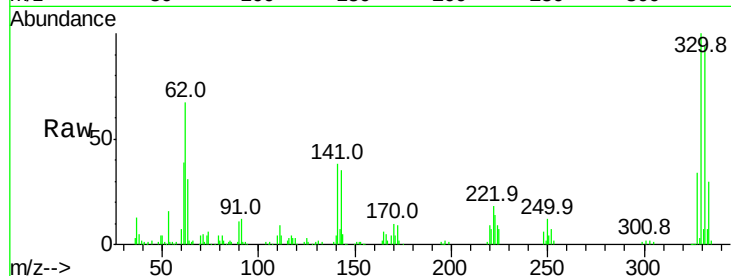




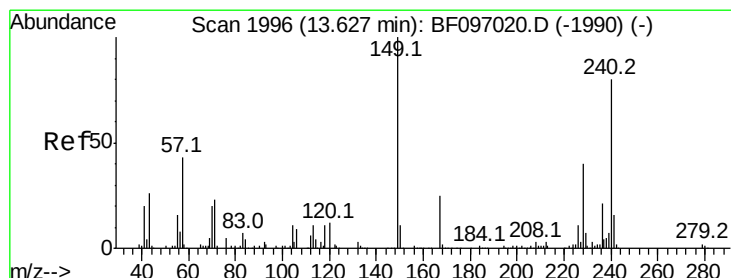
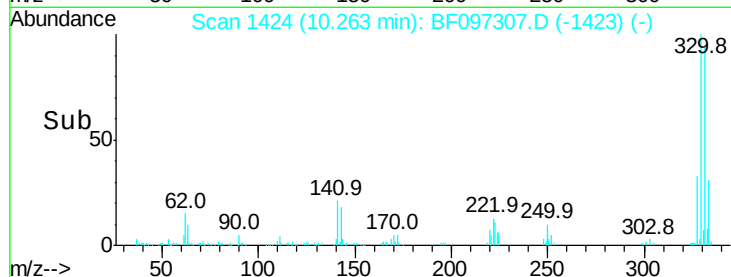
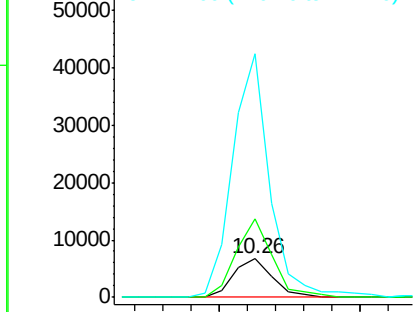
#66
 4-Bromophenyl-phenylether
 Concen: 2.272 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.29 min
 Lab File: BF097307.D
 Acq: 3 Aug 2017 8:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6472
 Ion Ratio Lower Upper
 248 100
 250 203.5 76.8 115.2#
 141 635.4 68.6 103.0#

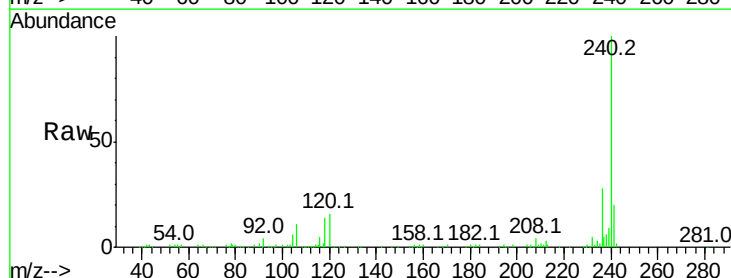


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

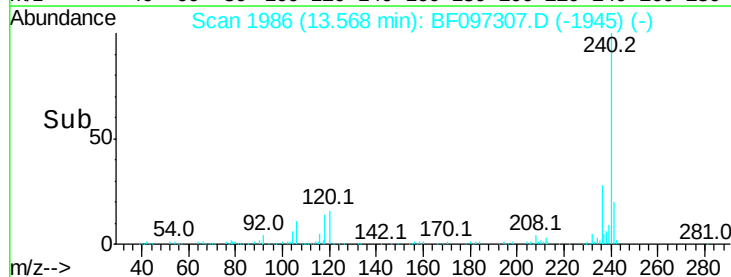
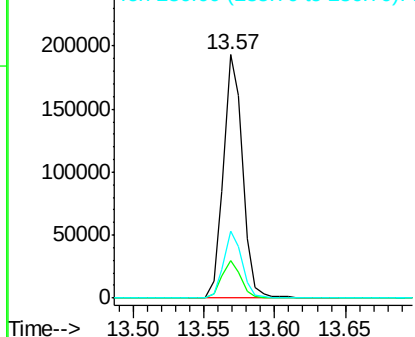


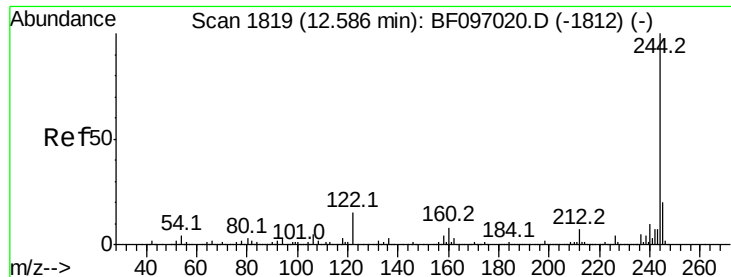
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.57 min Scan# 1986
 Delta R.T. -0.06 min
 Lab File: BF097307.D
 Acq: 3 Aug 2017 8:44

Tgt Ion:240 Resp: 182558
 Ion Ratio Lower Upper
 240 100
 120 15.6 5.8 8.8#
 236 27.6 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

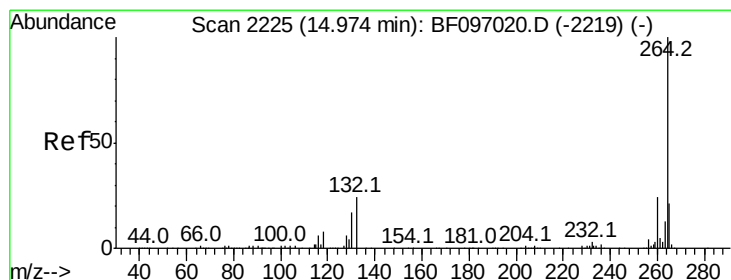
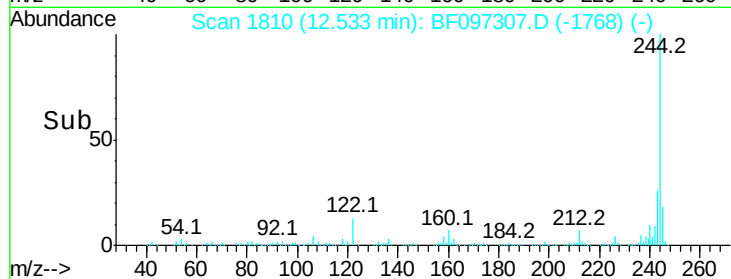
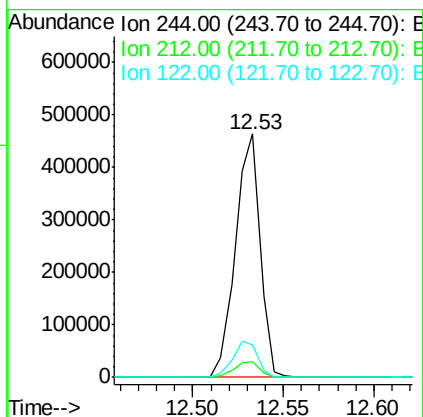
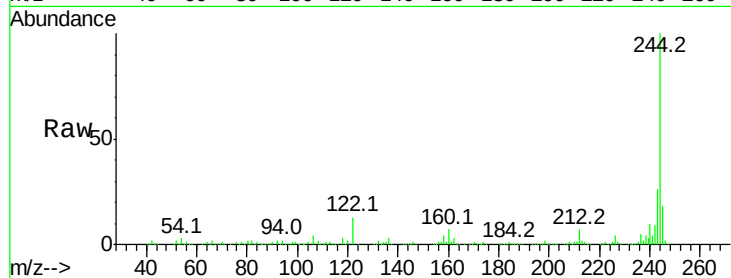




#78
 Terphenyl-d14
 Concen: 49.005 ng
 RT: 12.53 min Scan# 1810
 Delta R.T. -0.05 min
 Lab File: BF097307.D
 Acq: 3 Aug 2017 8:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 438790
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 13.2 10.3 15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.91 min Scan# 2214
 Delta R.T. -0.06 min
 Lab File: BF097307.D
 Acq: 3 Aug 2017 8:44

Tgt Ion:264 Resp: 158624
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 21.9 17.2 25.8

