

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097518.D
 Acq On : 9 Aug 2017 16:28
 Operator : SJ/JU
 Sample : I4639-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-080317-A

Quant Time: Aug 09 17:45:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

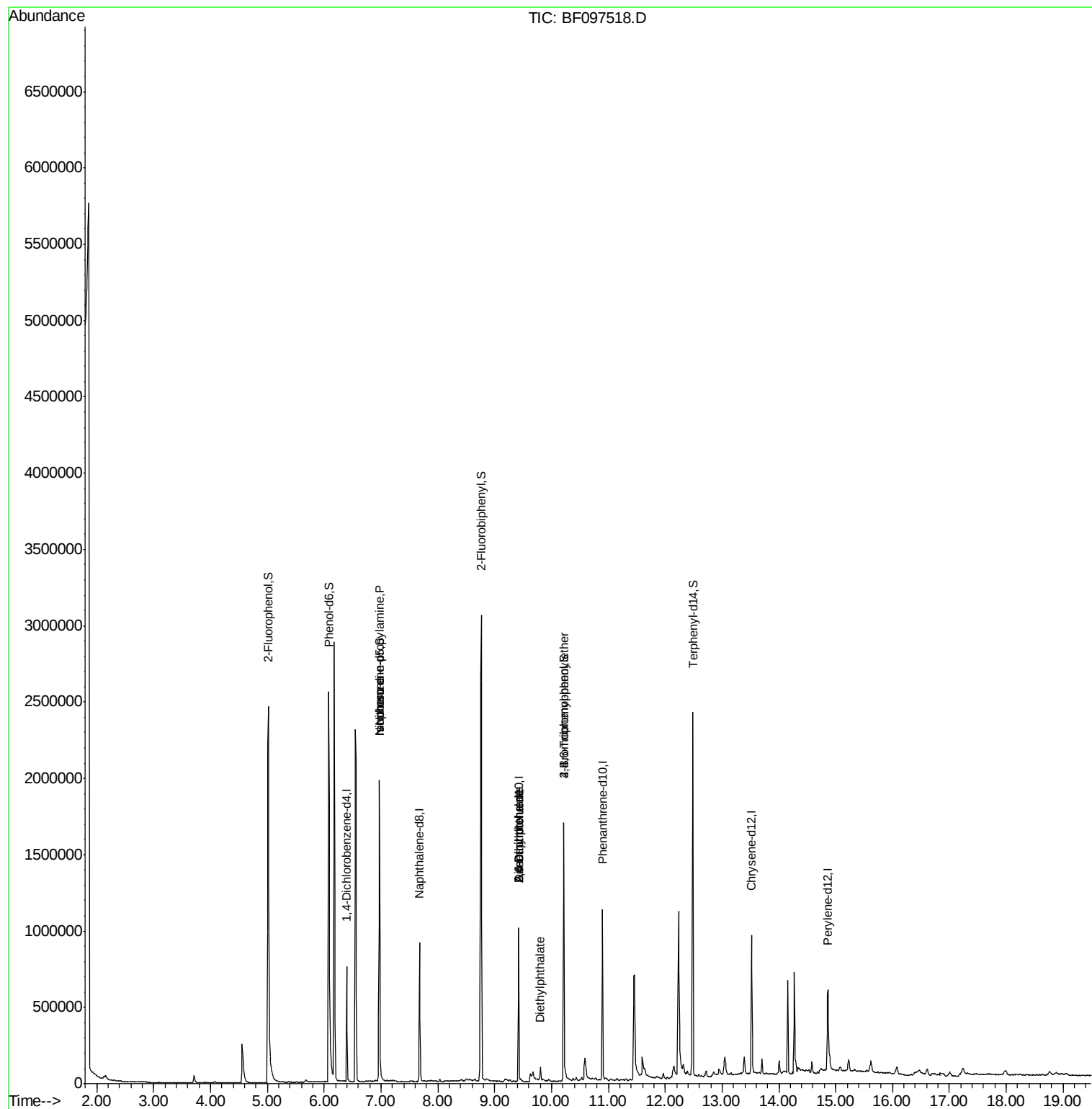
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	111218	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	445422	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	199714	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	385279	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	302099	20.00	ng	-0.02
86) Perylene-d12	14.86	264	218534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	922425	125.03	ng	0.01
7) Phenol-d6	6.08	99	1121296	133.13	ng	0.00
23) Nitrobenzene-d5	6.97	82	689315	90.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	225541	142.93	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	1184001	100.61	ng	-0.01
78) Terphenyl-d14	12.49	244	936885	63.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.97	70	92003	16.595	ng	# 87
25) Isophorone	6.97	82	689309	46.357	ng	# 67
49) Dimethylphthalate	9.43	163	60028	3.958	ng	# 1
50) 2,6-Dinitrotoluene	9.42	165	25346	7.880	ng	# 34
56) 2,4-Dinitrotoluene	9.42	165	25346	6.854	ng	# 34
59) Diethylphthalate	9.80	149	32536	2.338	ng	# 98
66) 4-Bromophenyl-phenylether	10.22	248	14485	3.767	ng	# 1

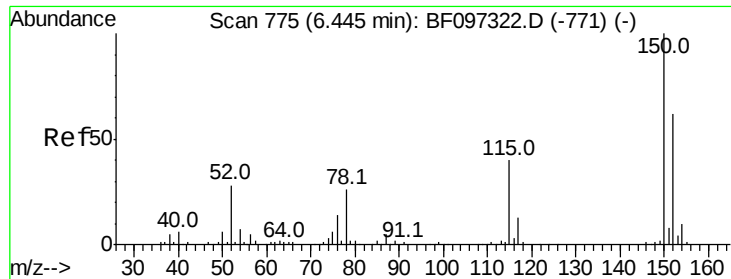
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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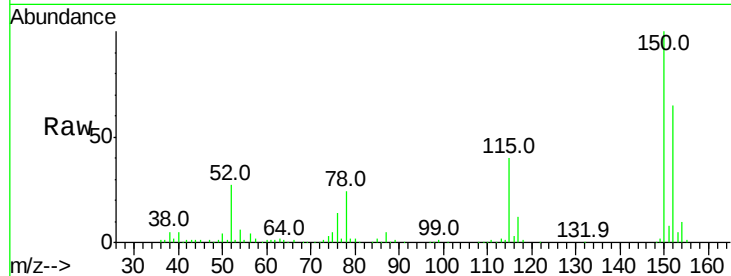


#1

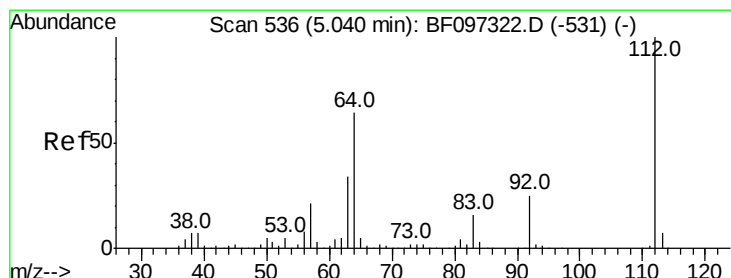
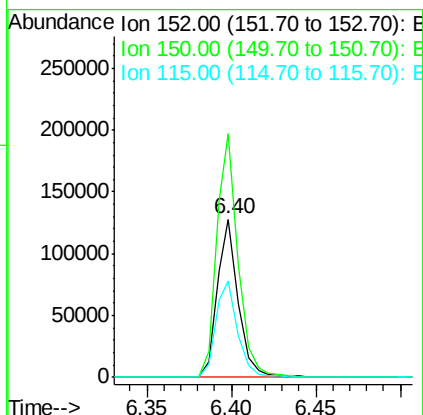
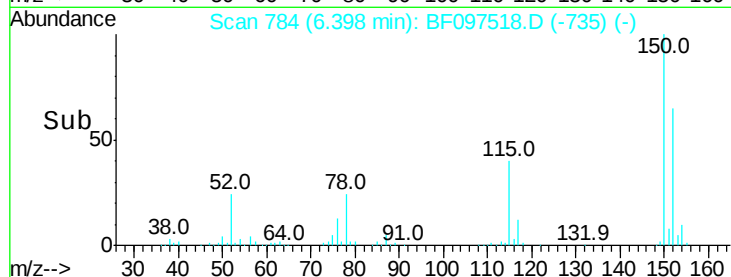
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097518.D
Acq: 9 Aug 2017 16:28

Instrument :
BNA_F
ClientSampleId :
SA-06-080317-A

Tot Ion:152 Resp: 111218
Ion Ratio Lower Upper
152 100
150 153.6 126.2 189.2
115 61.2 52.2 78.2



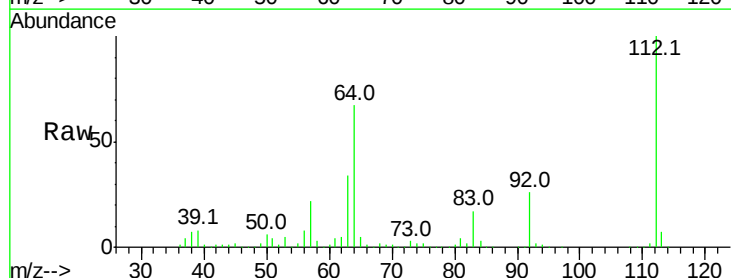
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



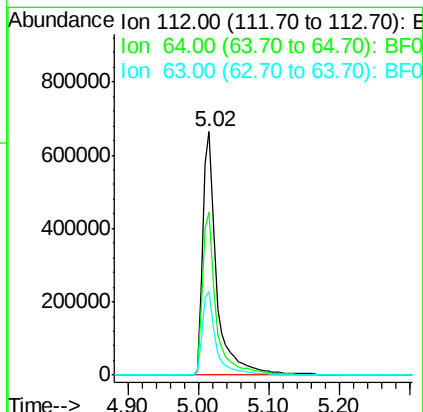
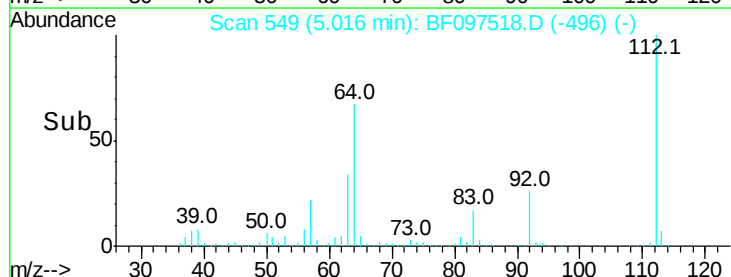
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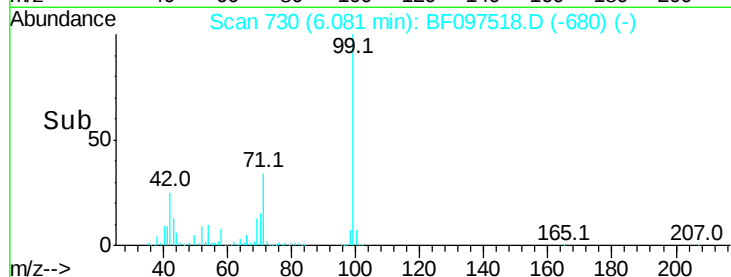
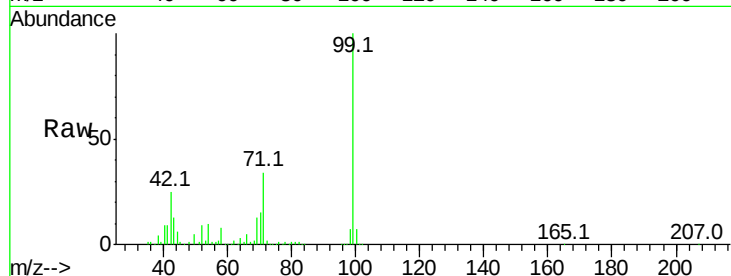
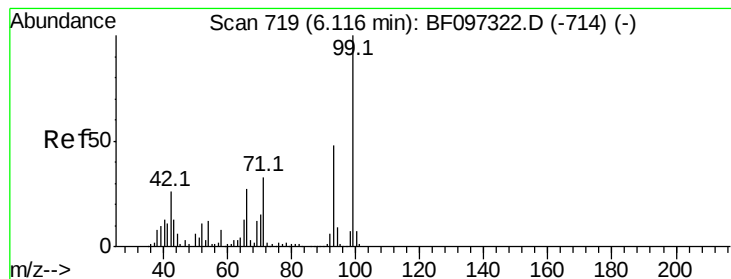
2-Fluorophenol
Concen: 125.029 ng
RT: 5.02 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF097518.D
Acq: 9 Aug 2017 16:28

Tgt Ion:112 Resp: 922425
Ion Ratio Lower Upper
112 100
64 66.9 46.0 69.0
63 34.3 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: 133.131 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

Instrument :

BNA_F

ClientSampleId :

SA-06-080317-A

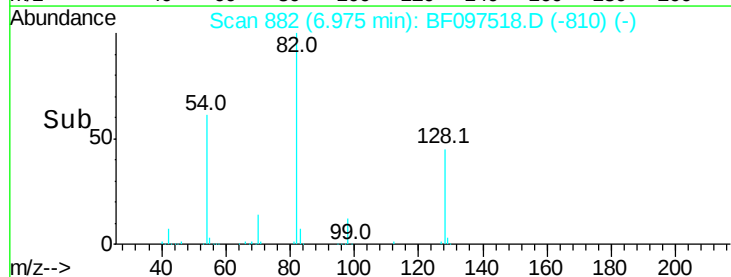
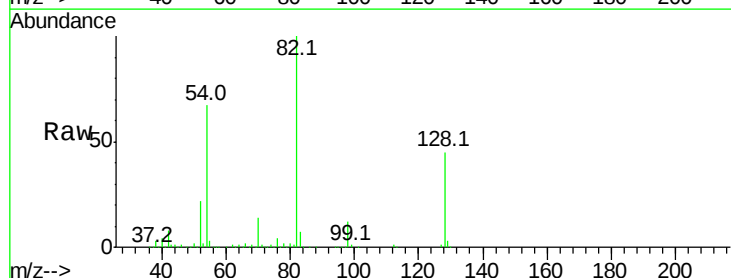
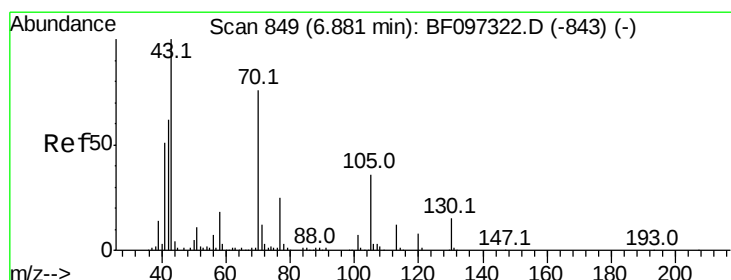
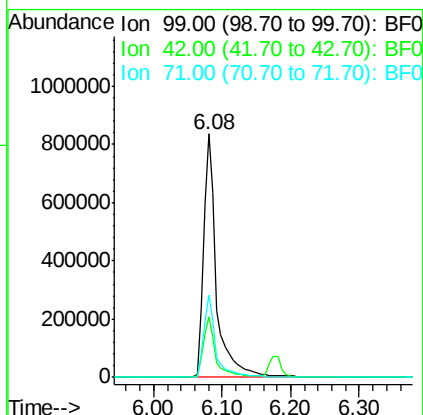
Tot Ion: 99 Resp: 1121296

Ion Ratio Lower Upper

99 100

42 24.9 13.5 20.3#

71 33.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 16.595 ng

RT: 6.97 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

Tgt Ion: 70 Resp: 92003

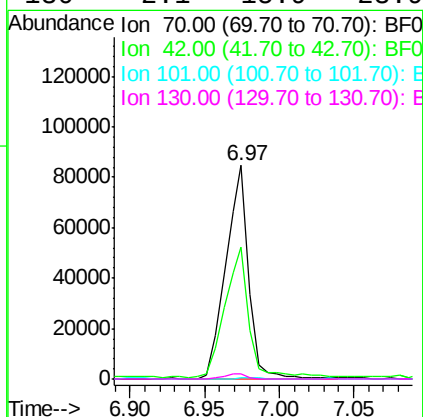
Ion Ratio Lower Upper

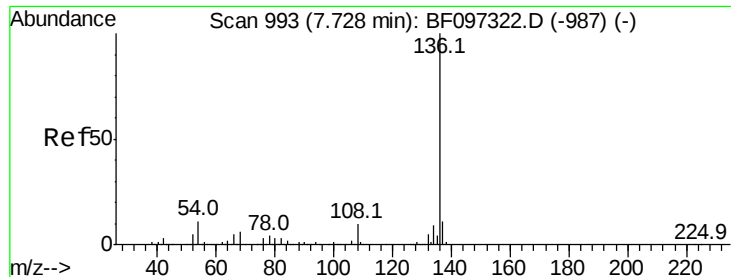
70 100

42 61.5 47.2 70.8

101 0.5 7.2 10.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

Instrument :

BNA_F

ClientSampleId :

SA-06-080317-A

Tot Ion:136 Resp: 445422

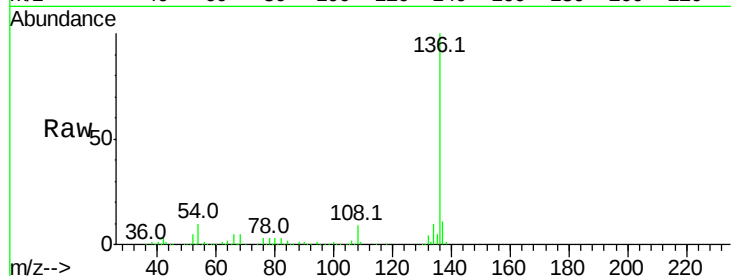
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.0 4.9 7.3#

68 5.3 4.1 6.1

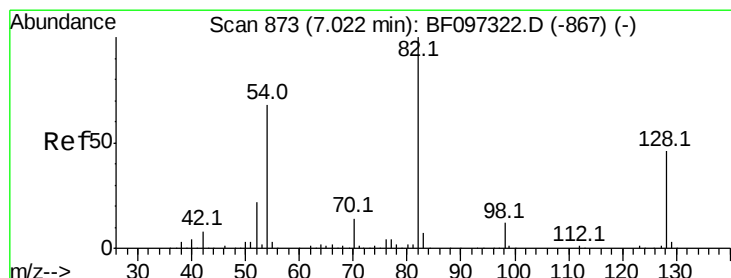
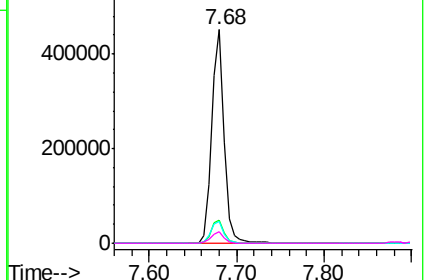
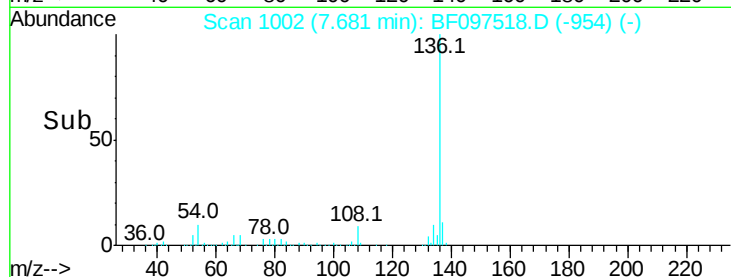


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.786 ng

RT: 6.97 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

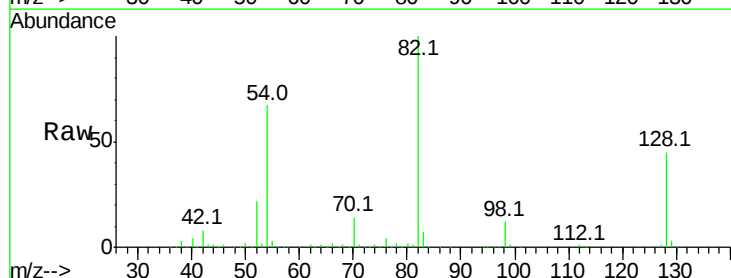
Tgt Ion: 82 Resp: 689315

Ion Ratio Lower Upper

82 100

128 44.9 34.0 51.0

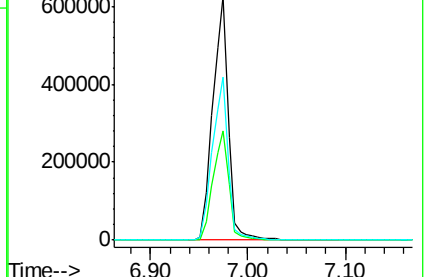
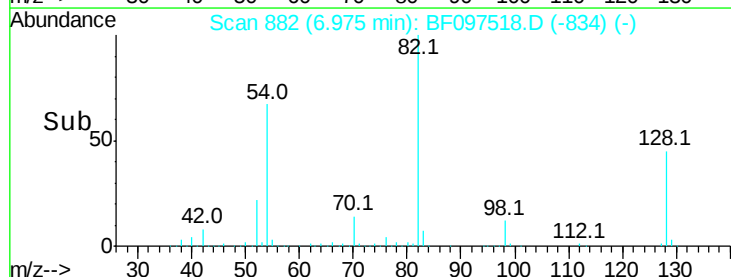
54 67.0 42.2 63.2#

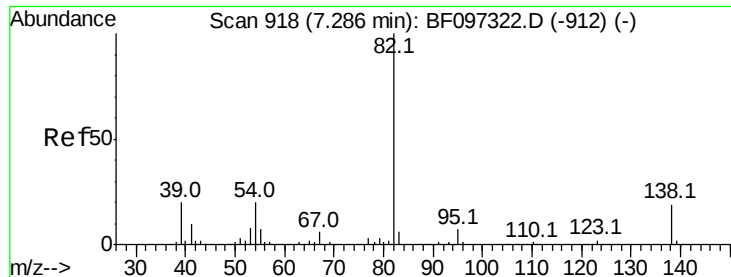


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.357 ng

RT: 6.97 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

Instrument :

BNA_F

ClientSampleId :

SA-06-080317-A

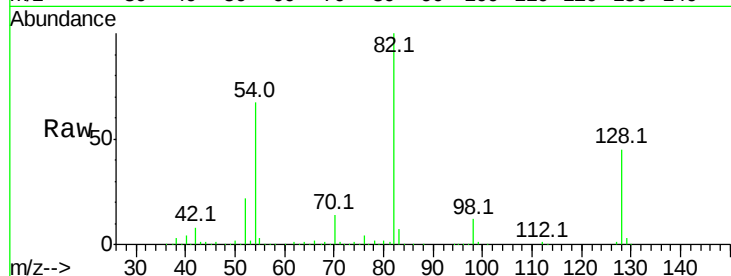
Tot Ion: 82 Resp: 689309

Ion Ratio Lower Upper

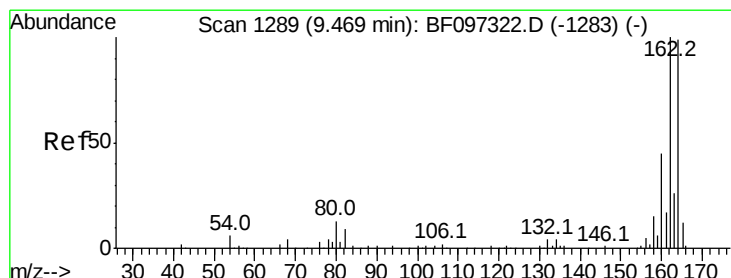
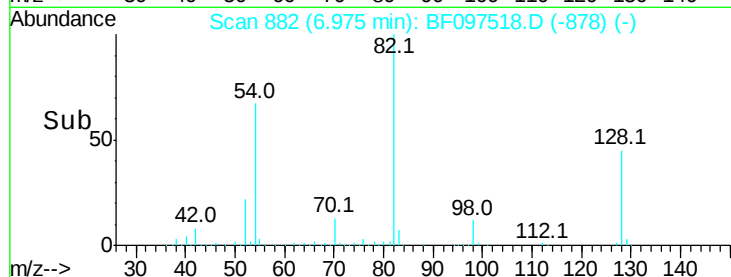
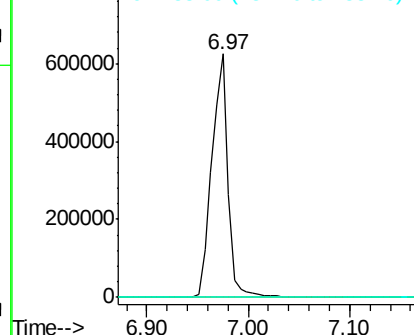
82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

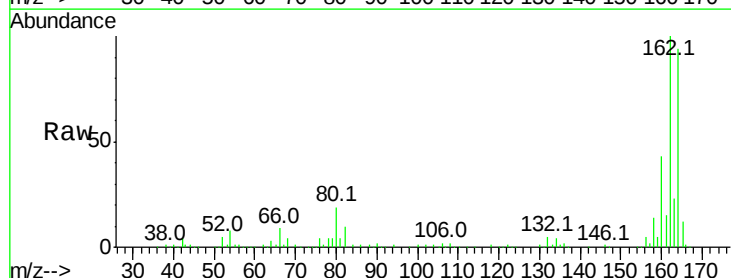
Tgt Ion:164 Resp: 199714

Ion Ratio Lower Upper

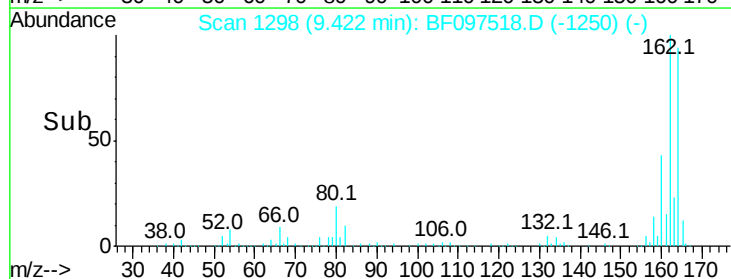
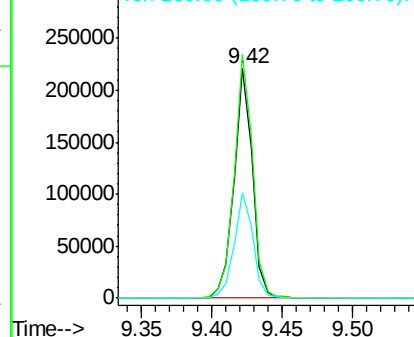
164 100

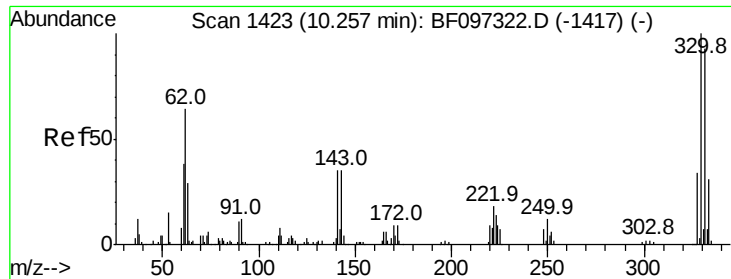
162 106.2 82.6 123.8

160 45.8 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

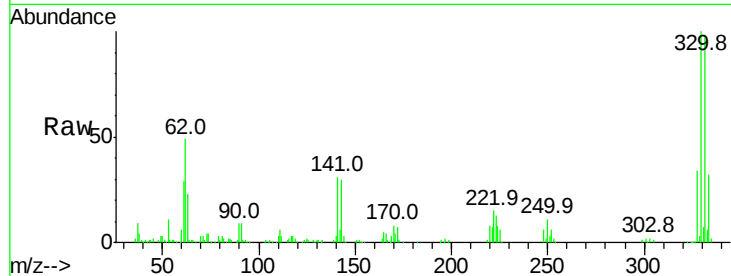




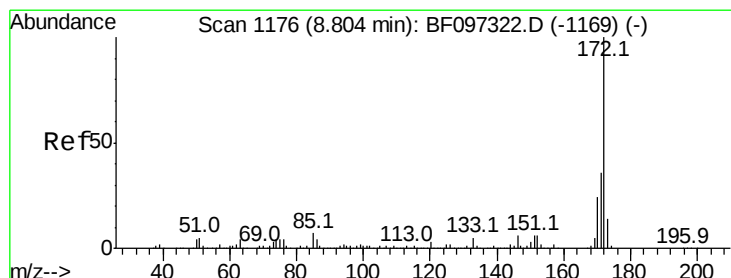
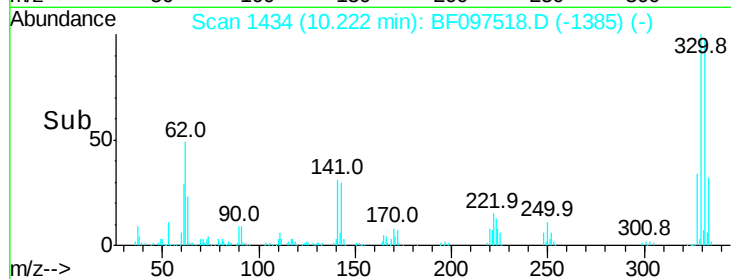
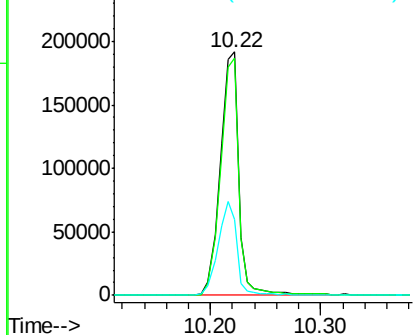
#41
 2,4,6-Tribromophenol
 Concen: 142.934 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097518.D
 Acq: 9 Aug 2017 16:28

Instrument :
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 ClientSampleId :
 SA-06-080317-A

Tot Ion:330 Resp: 225541
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 38.9 31.4 47.2

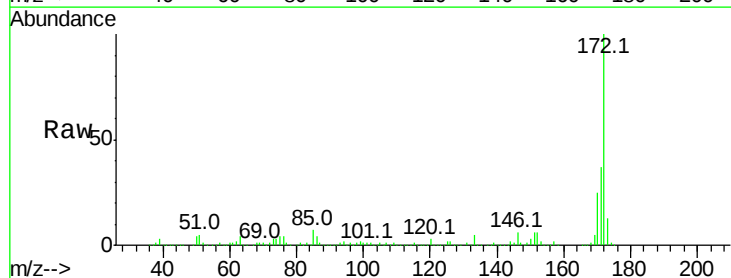


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

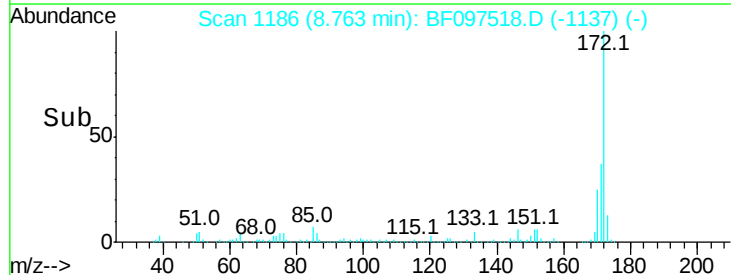
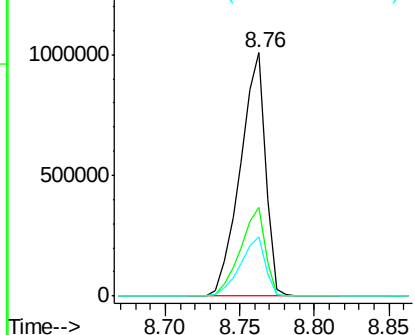


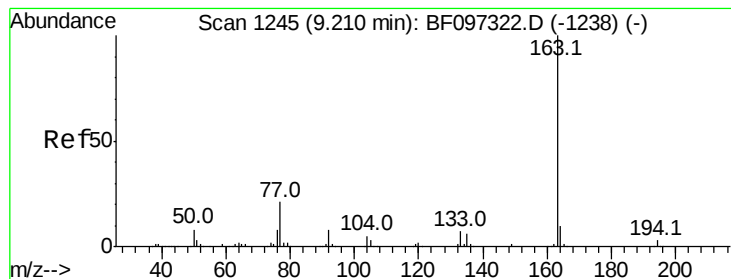
#44
 2-Fluorobiphenyl
 Concen: 100.612 ng
 RT: 8.76 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097518.D
 Acq: 9 Aug 2017 16:28

Tgt Ion:172 Resp: 1184001
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.6 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: 3.958 ng

RT: 9.43 min Scan# 1299

Delta R.T. 0.24 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

Instrument :

BNA_F

ClientSampleId :

SA-06-080317-A

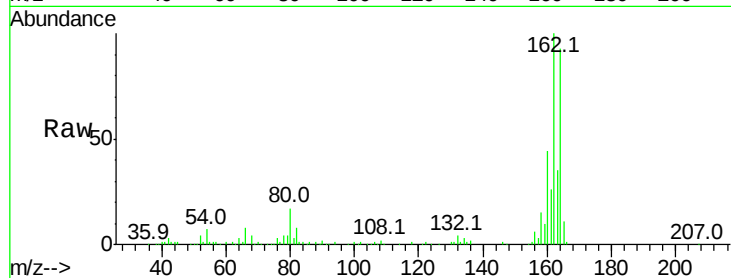
Tot Ion:163 Resp: 60028

Ion Ratio Lower Upper

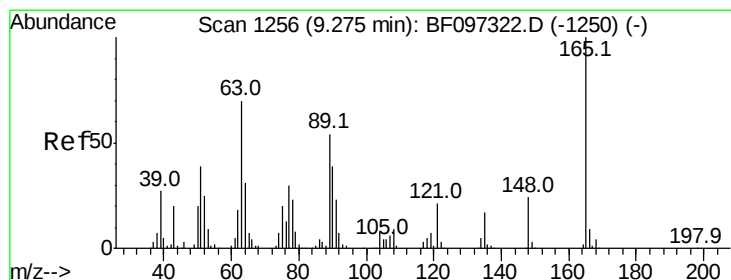
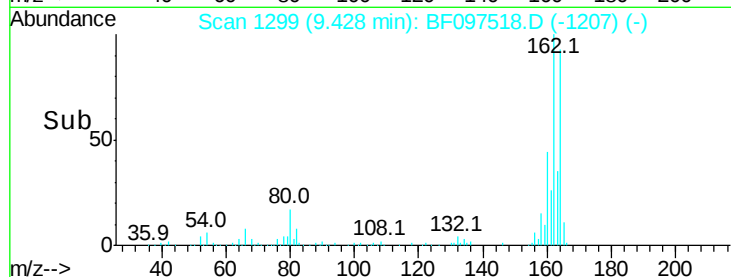
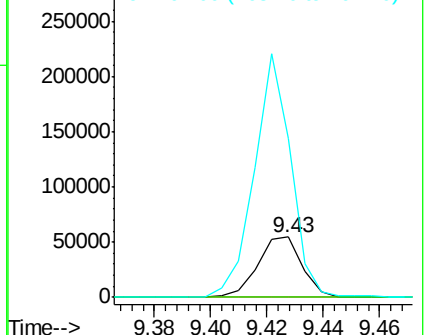
163 100

194 0.0 2.6 4.0#

164 263.2 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



#50

2,6-Dinitrotoluene

Concen: 7.880 ng

RT: 9.42 min Scan# 1298

Delta R.T. 0.17 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

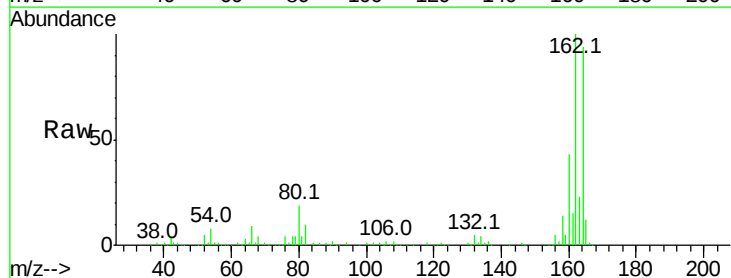
Tgt Ion:165 Resp: 25346

Ion Ratio Lower Upper

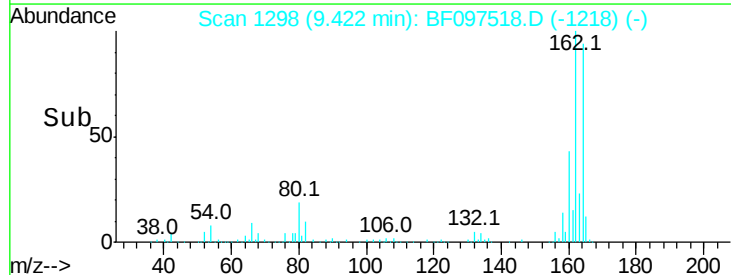
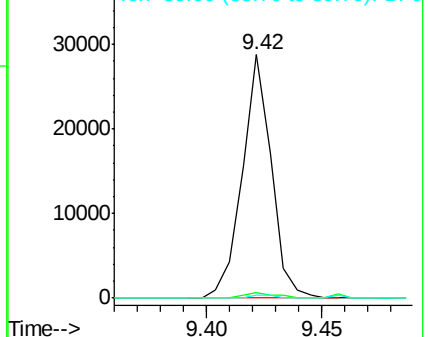
165 100

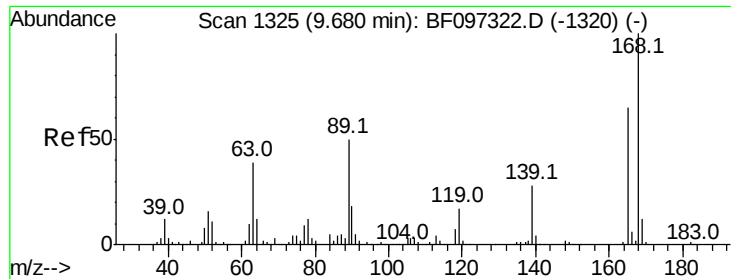
63 2.4 34.3 51.5#

89 1.4 37.1 55.7#



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

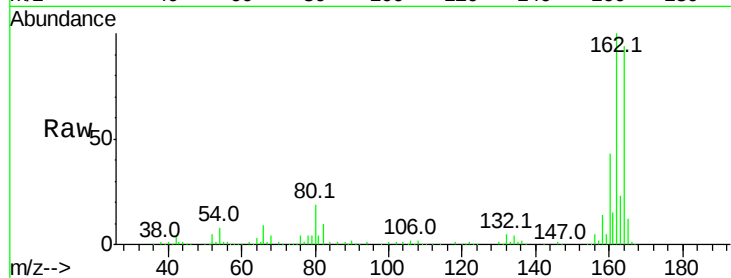




#56
2,4-Dinitrotoluene
Concen: 6.854 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.24 min
Lab File: BF097518.D
Acq: 9 Aug 2017 16:28

Instrument :
BNA_F
ClientSampleId :
SA-06-080317-A

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

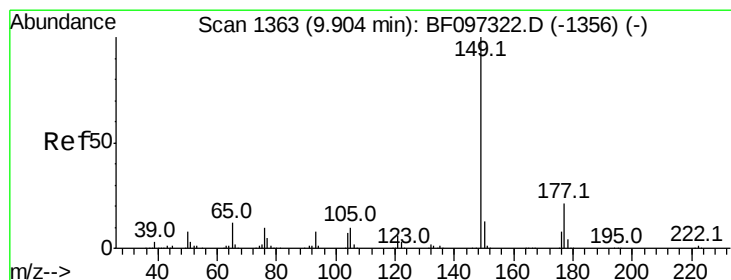
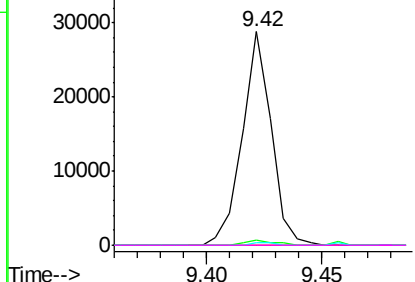
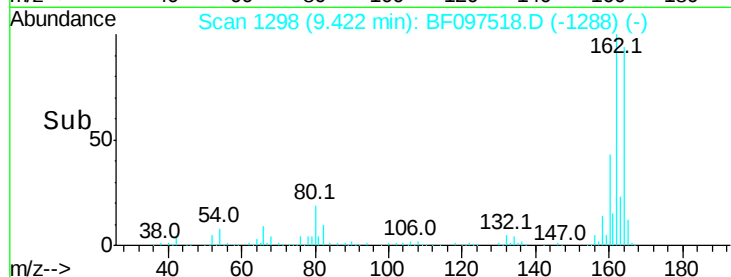


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

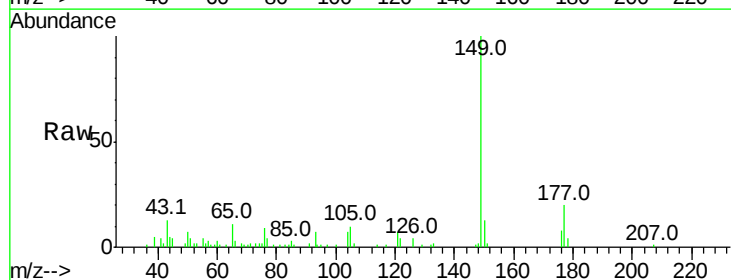
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#59
Diethylphthalate
Concen: 2.338 ng
RT: 9.80 min Scan# 1363
Delta R.T. -0.08 min
Lab File: BF097518.D
Acq: 9 Aug 2017 16:28

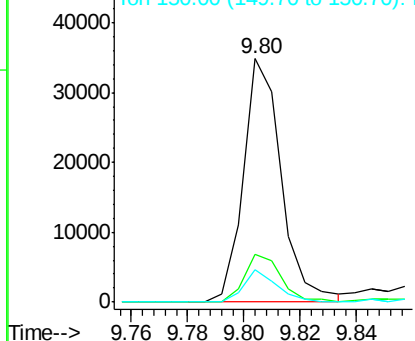
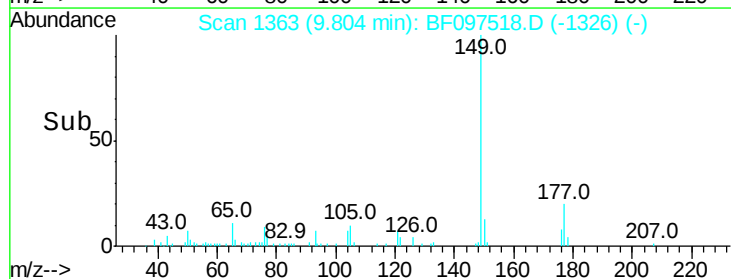
Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.6	16.7	25.1
150	13.1	10.2	15.2

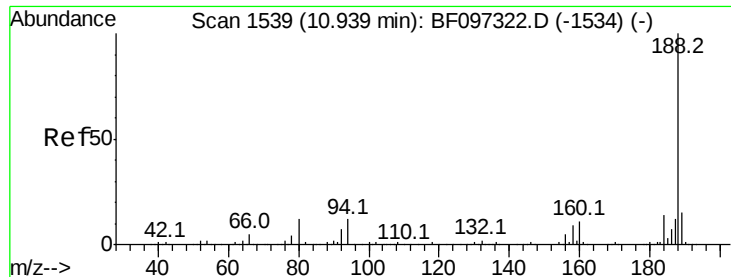


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

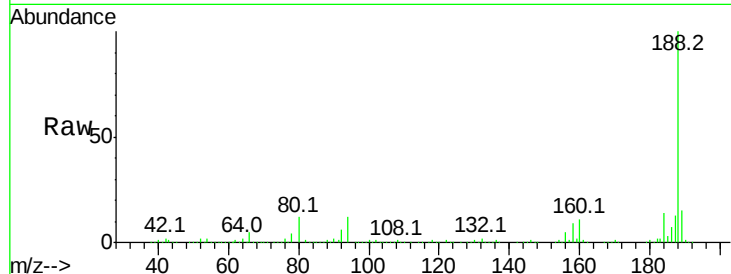




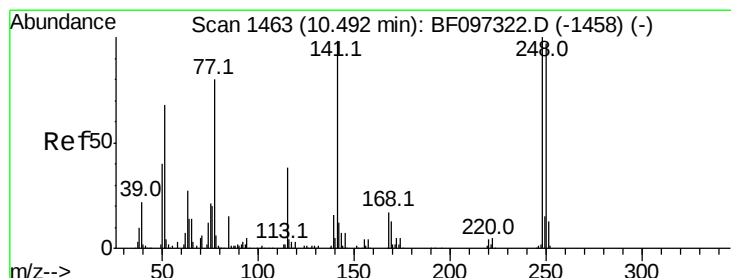
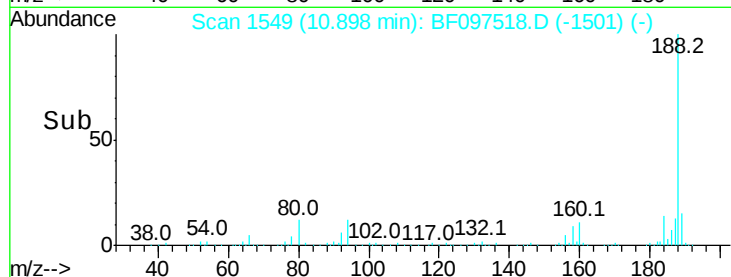
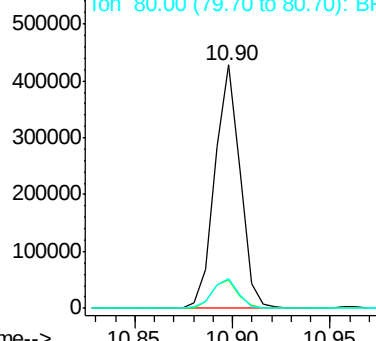
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF097518.D
Acq: 9 Aug 2017 16:28

Instrument :
BNA_F
ClientSampleId :
SA-06-080317-A

Tot Ion:188 Resp: 385279
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.2 10.2 15.2

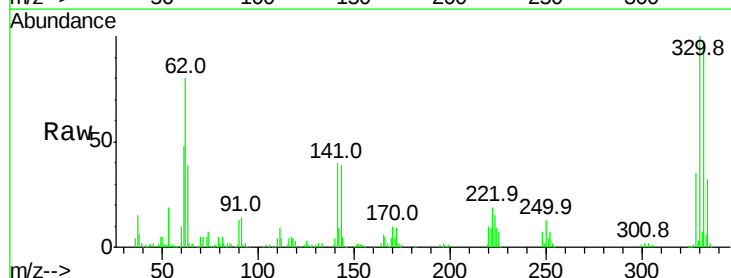


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

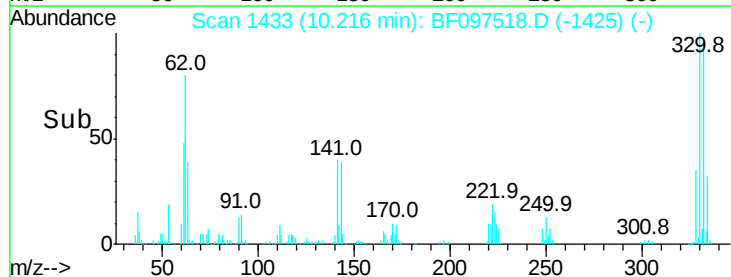
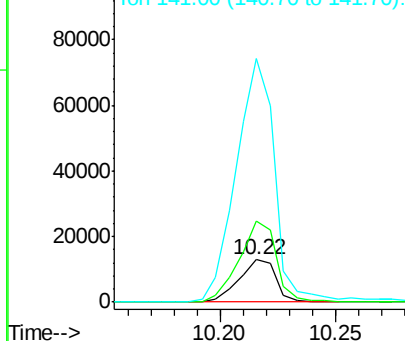


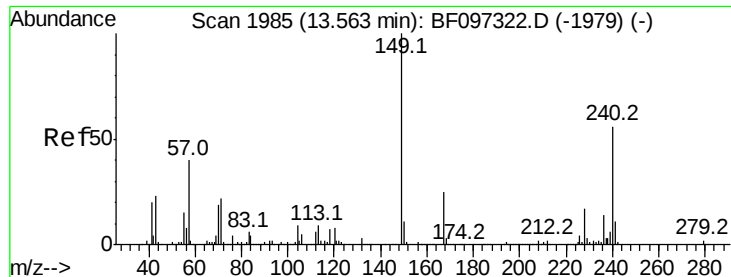
#66
4-Bromophenyl-phenylether
Concen: 3.767 ng
RT: 10.22 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF097518.D
Acq: 9 Aug 2017 16:28

Tgt Ion:248 Resp: 14485
Ion Ratio Lower Upper
248 100
250 191.9 76.8 115.2#
141 579.3 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: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

Instrument :

BNA_F

ClientSampleId :

SA-06-080317-A

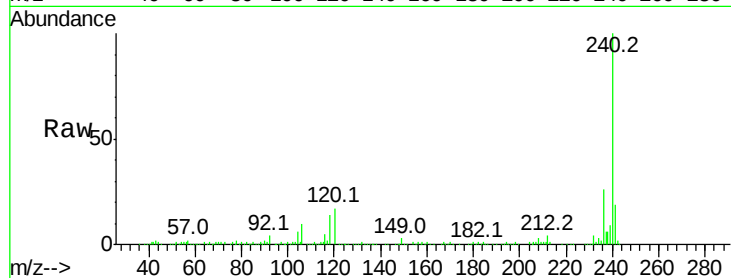
Tot Ion:240 Resp: 302099

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

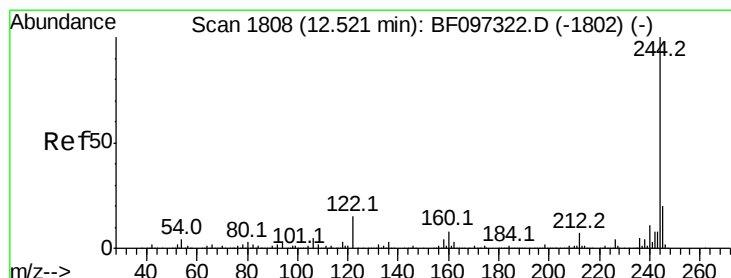
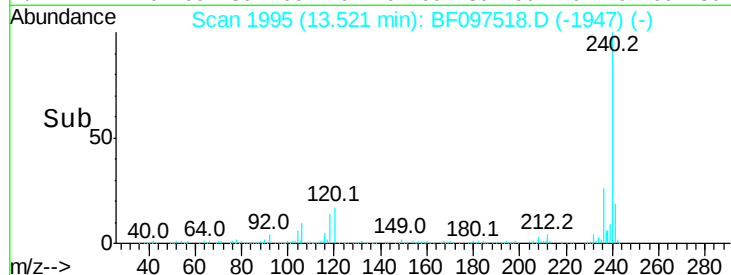
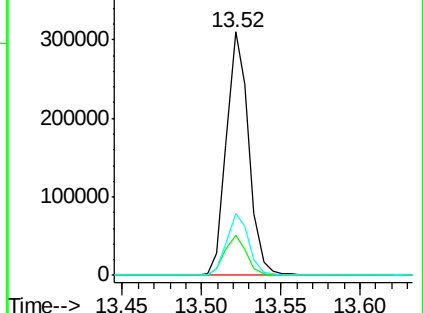
236 25.7 20.5 30.7



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: 63.230 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF097518.D

Acq: 9 Aug 2017 16:28

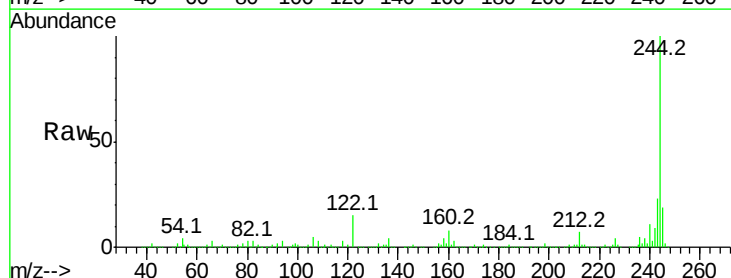
Tgt Ion:244 Resp: 936885

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

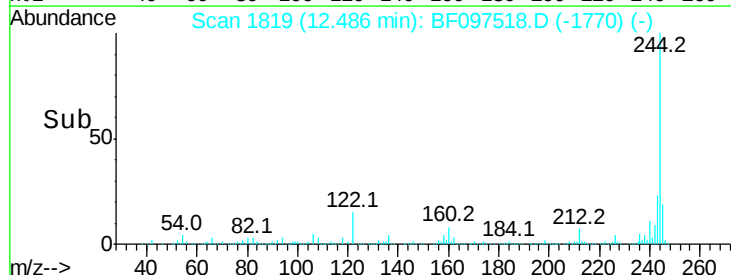
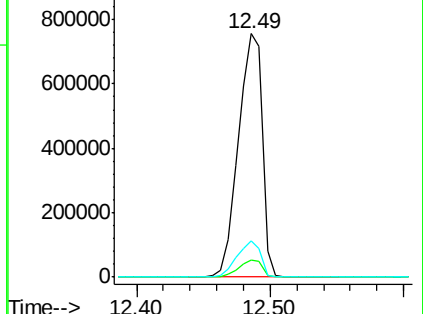
122 14.9 10.3 15.5

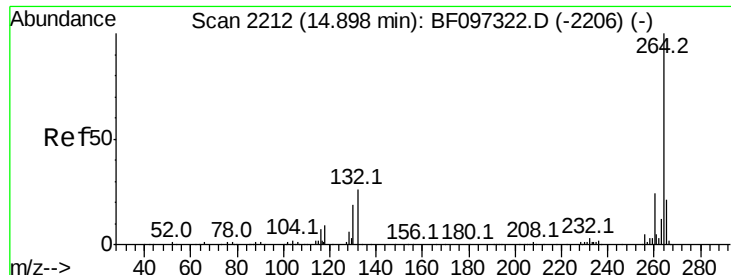


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.86 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097518.D
 Acq: 9 Aug 2017 16:28

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-080317-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.8	17.2	25.8

