

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097380.D
 Acq On : 5 Aug 2017 3:09
 Operator : SJ/JU
 Sample : I4591-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

Quant Time: Aug 05 03:40:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

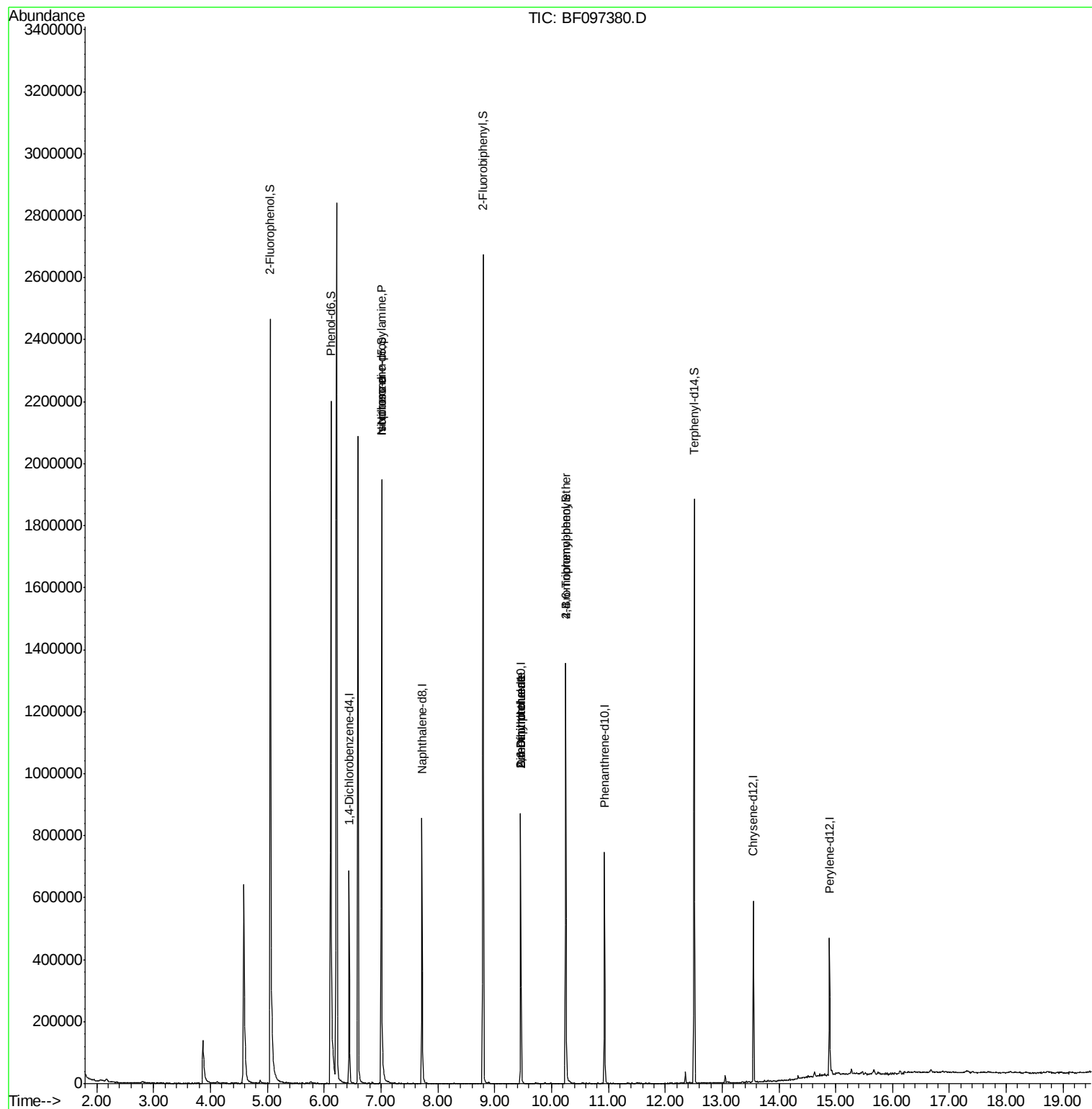
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	100929	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	428370	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	185711	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	260776	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	201254	20.00	ng	-0.08
86) Perylene-d12	14.89	264	163768	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	841029	125.62	ng	-0.05
7) Phenol-d6	6.12	99	910335	119.10	ng	-0.05
23) Nitrobenzene-d5	7.01	82	629935	86.27	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	159344	108.60	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	887097	81.07	ng	-0.07
78) Terphenyl-d14	12.52	244	595116	60.29	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.01	70	84720	16.84	ng	# 87
25) Isophorone	7.01	82	612180	42.81	ng	# 67
49) Dimethylphthalate	9.46	163	55550	3.94	ng	# 1
50) 2,6-Dinitrotoluene	9.46	165	23260	7.78	ng	# 33
56) 2,4-Dinitrotoluene	9.46	165	23260	6.76	ng	# 32
66) 4-Bromophenyl-phenylether	10.25	248	10326	3.97	ng	# 1

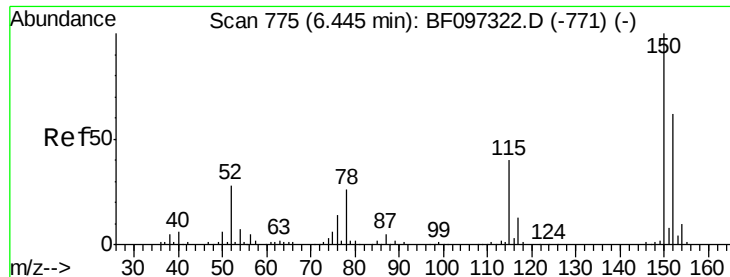
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.44 min Scan# 791

Delta R.T. -0.06 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

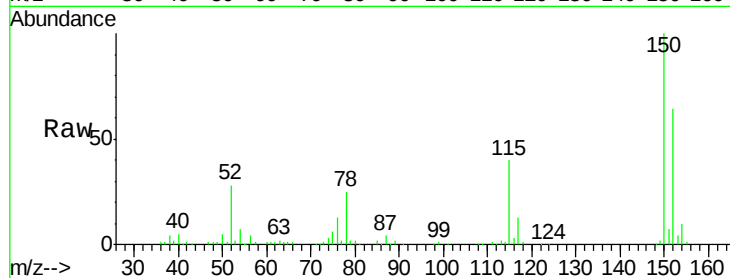
Tot Ion:152 Resp: 100929

Ion Ratio Lower Upper

152 100

150 156.4 126.2 189.2

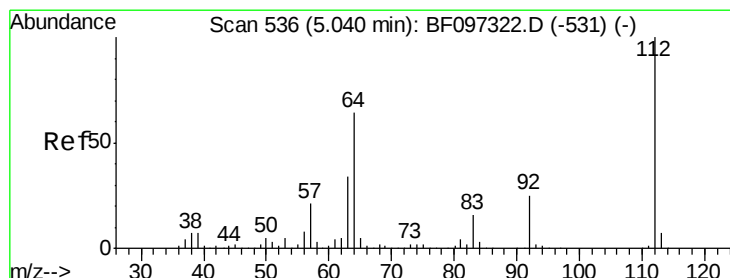
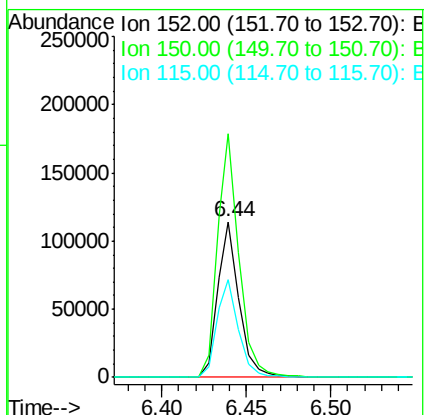
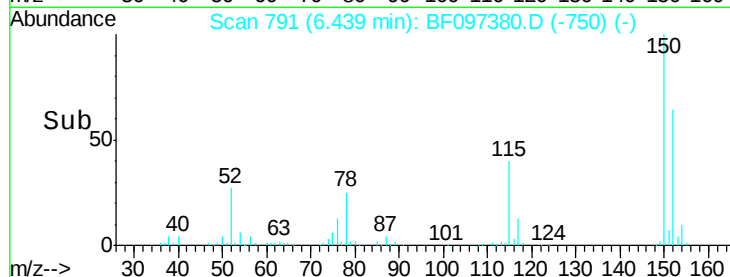
115 62.7 52.2 78.2



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



#5

2-Fluorophenol

Concen: 125.62 ng

RT: 5.05 min Scan# 555

Delta R.T. -0.05 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

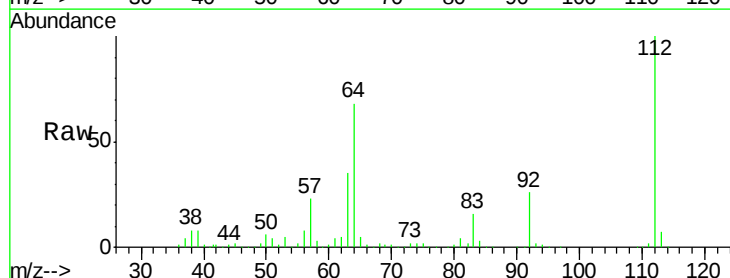
Tgt Ion:112 Resp: 841029

Ion Ratio Lower Upper

112 100

64 68.2 46.0 69.0

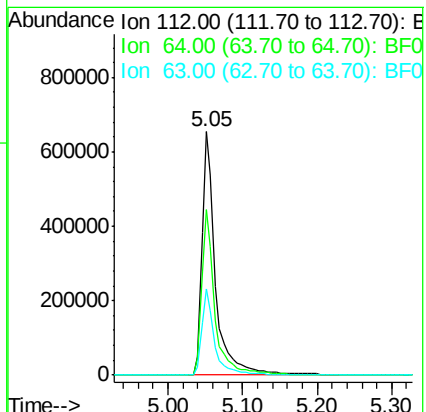
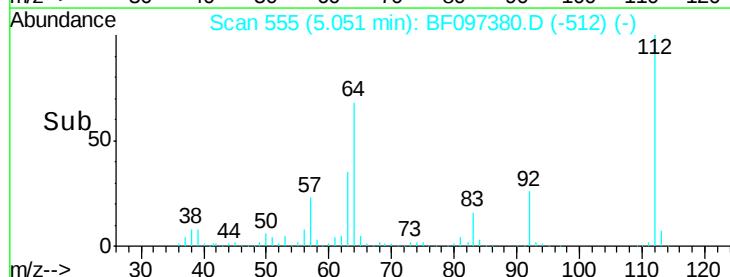
63 35.3 23.4 35.0#

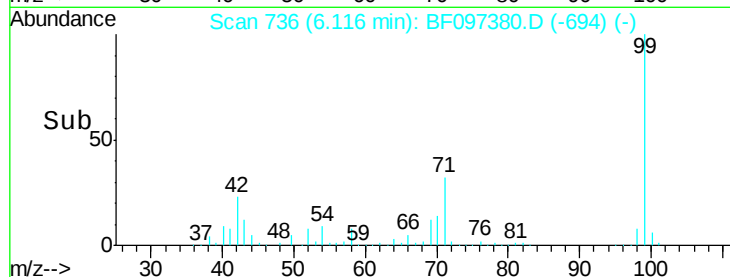
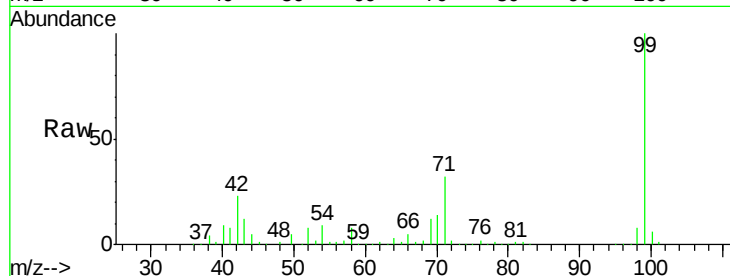
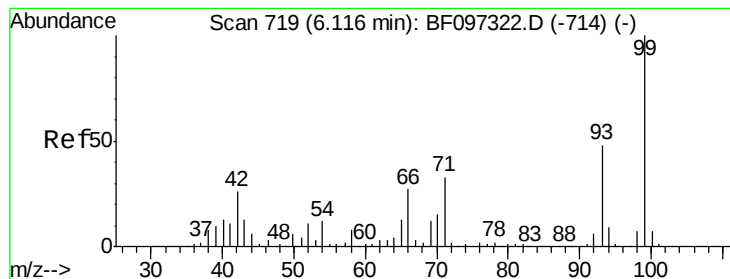


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.10 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

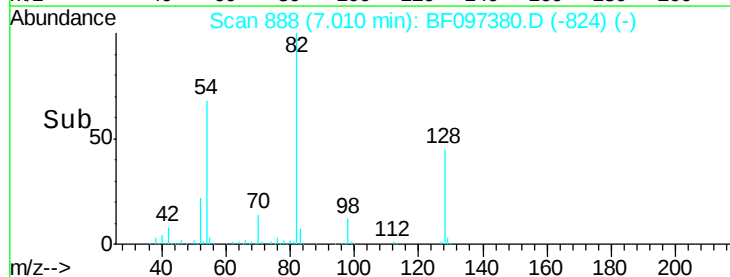
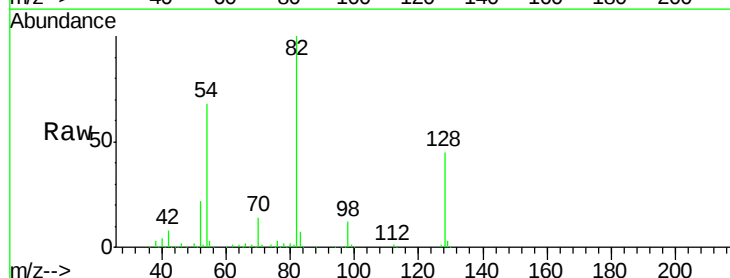
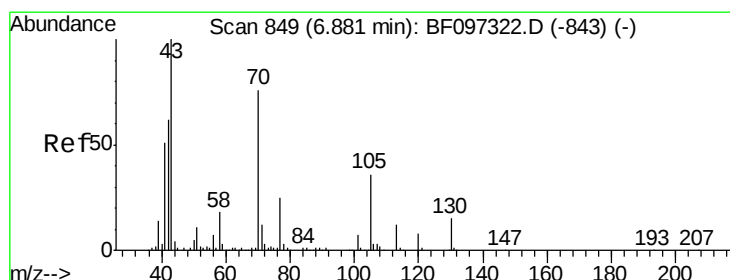
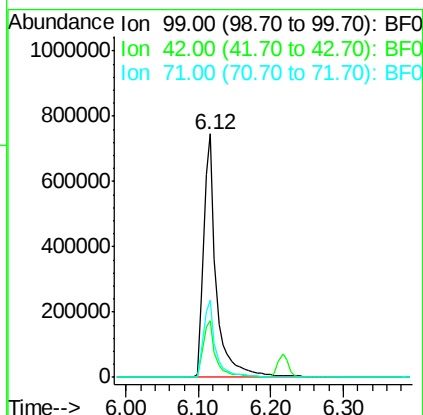
Tot Ion: 99 Resp: 910335

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

71 31.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 16.84 ng

RT: 7.01 min Scan# 888

Delta R.T. 0.08 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

Tgt Ion: 70 Resp: 84720

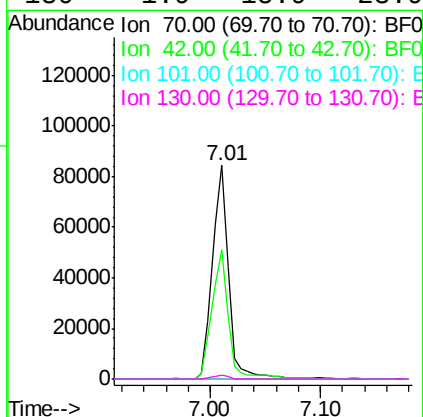
Ion Ratio Lower Upper

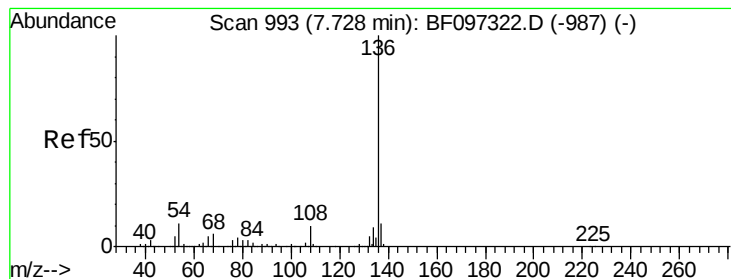
70 100

42 60.8 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

Tot Ion:136 Resp: 428370

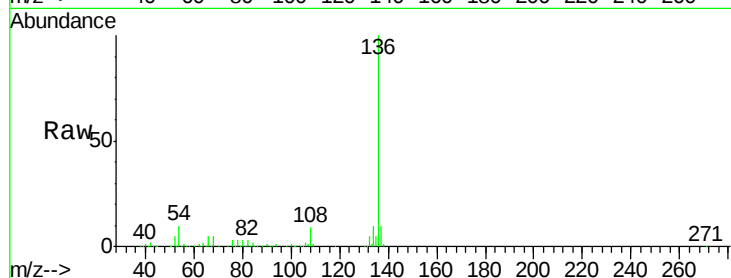
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 10.2 4.9 7.3#

68 5.1 4.1 6.1

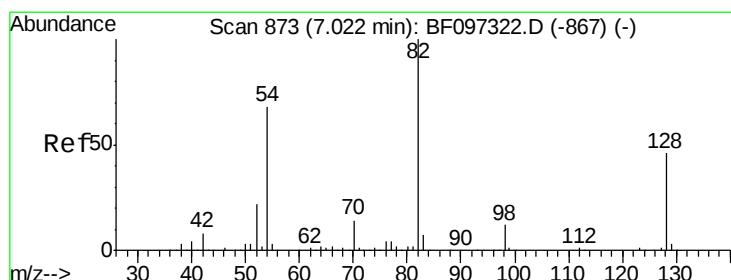
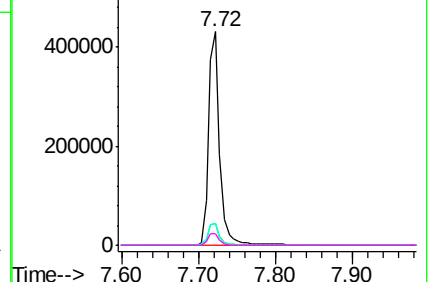
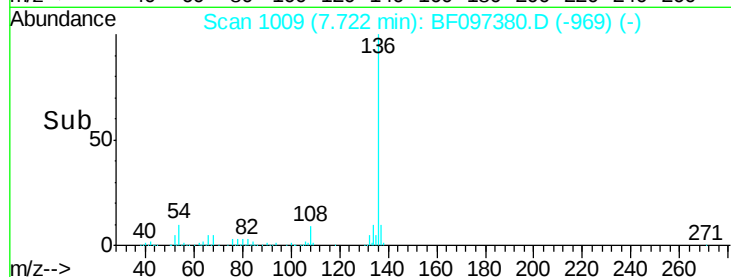


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.27 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.06 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

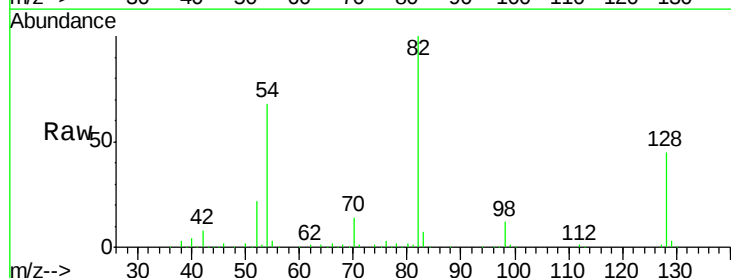
Tgt Ion: 82 Resp: 629935

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

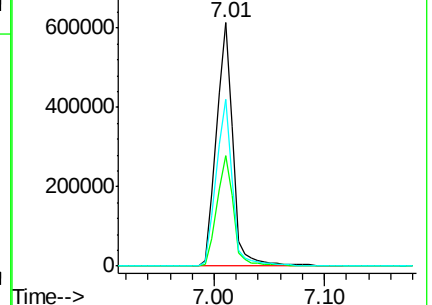
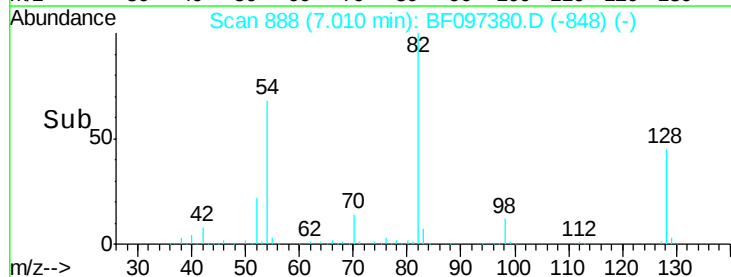
54 68.5 42.2 63.2#

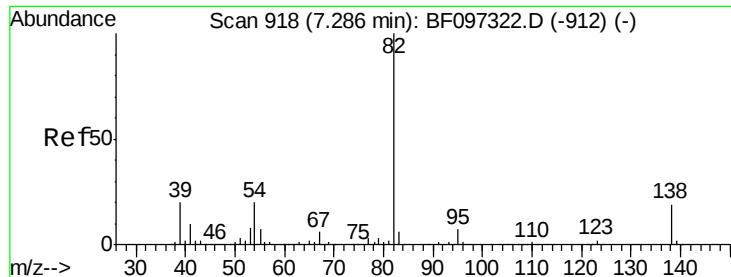


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.81 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.33 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

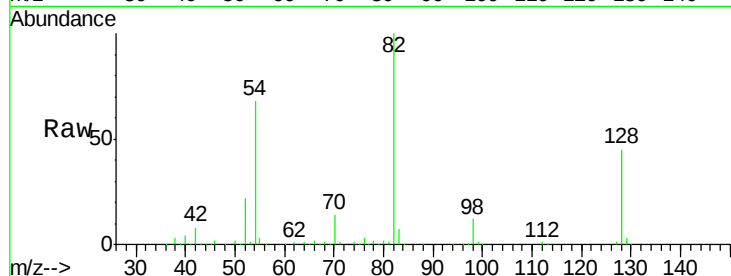
Tot Ion: 82 Resp: 612180

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#

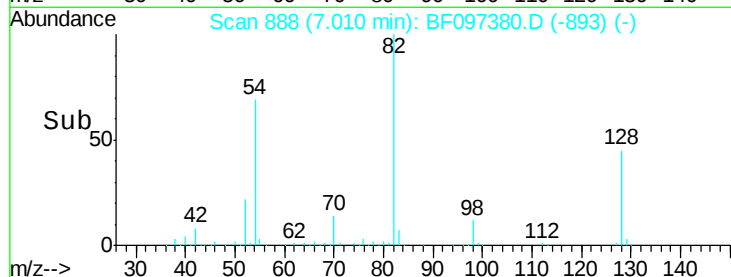


Abundance Ion 82.00 (81.70 to 82.70): BF097322.D (-912) (-)

Ion 95.00 (94.70 to 95.70): BF097322.D (-912) (-)

Ion 138.00 (137.70 to 138.70): BF097322.D (-912) (-)

Time-->

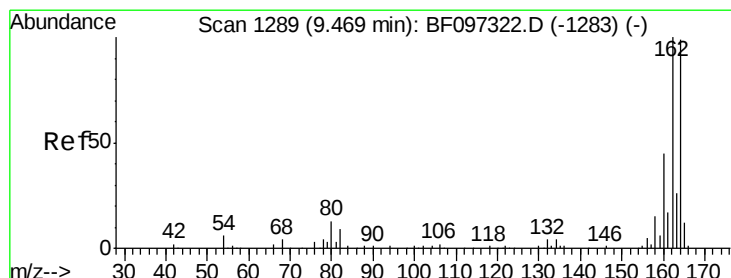


Abundance Ion 82.00 (81.70 to 82.70): BF097322.D (-912) (-)

Ion 95.00 (94.70 to 95.70): BF097322.D (-912) (-)

Ion 138.00 (137.70 to 138.70): BF097322.D (-912) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.08 min

Lab File: BF097380.D

Acq: 5 Aug 2017 3:09

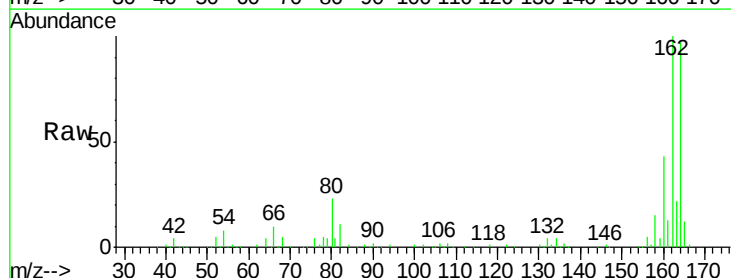
Tgt Ion: 164 Resp: 185711

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

160 44.1 36.2 54.2

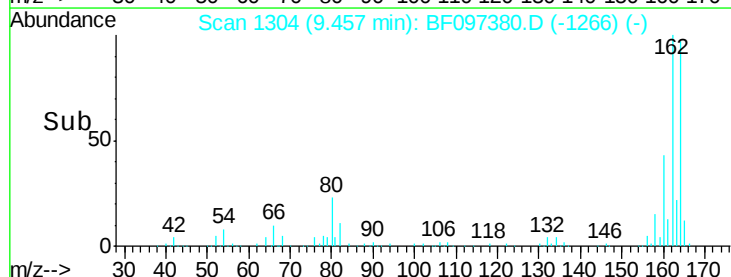


Abundance Ion 164.00 (163.70 to 164.70): BF097322.D (-1283) (-)

Ion 162.00 (161.70 to 162.70): BF097322.D (-1283) (-)

Ion 160.00 (159.70 to 160.70): BF097322.D (-1283) (-)

Time-->



Abundance Ion 164.00 (163.70 to 164.70): BF097322.D (-1283) (-)

Ion 162.00 (161.70 to 162.70): BF097322.D (-1283) (-)

Ion 160.00 (159.70 to 160.70): BF097322.D (-1283) (-)

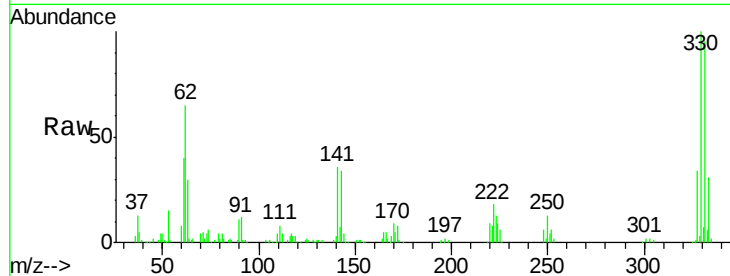
Time-->



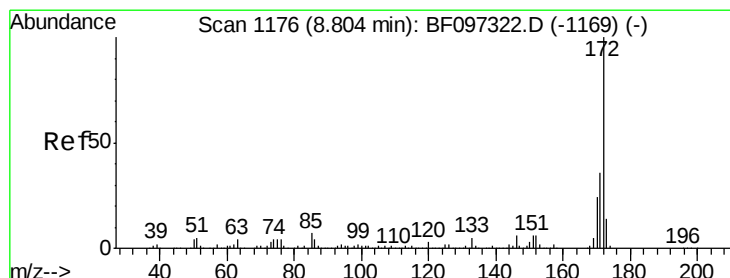
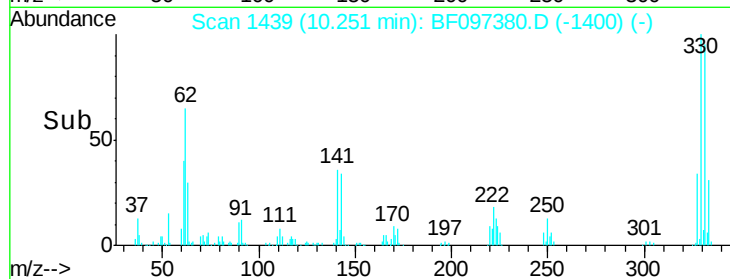
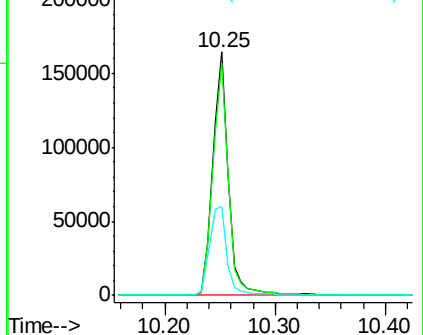
#41
 2,4,6-Tribromophenol
 Concen: 108.60 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097380.D
 Acq: 5 Aug 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

Tot Ion:330 Resp: 159344
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 40.7 31.4 47.2

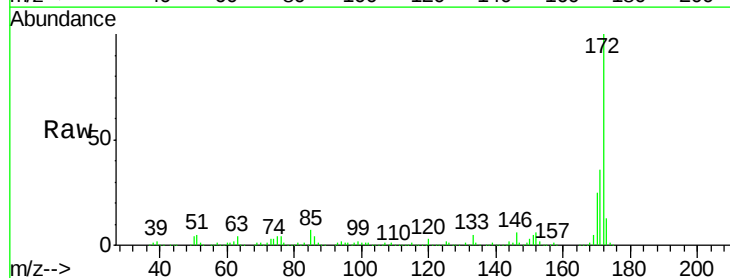


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

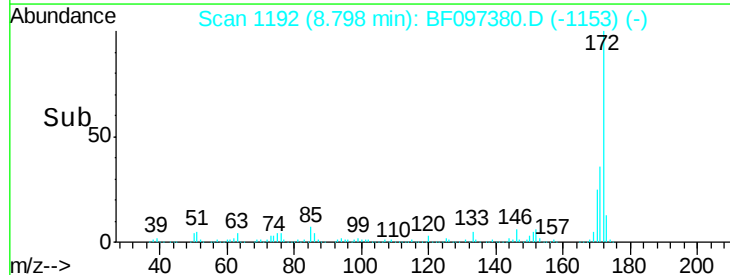
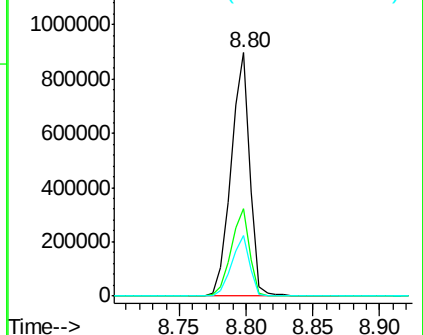


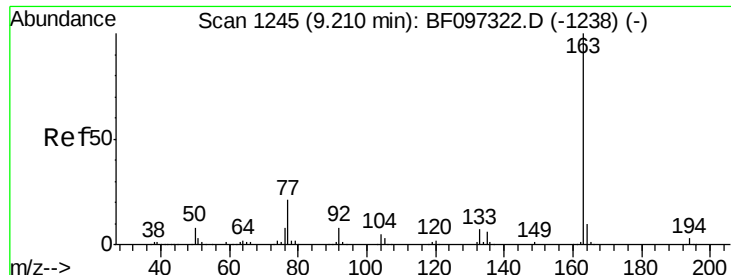
#44
 2-Fluorobiphenyl
 Concen: 81.07 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097380.D
 Acq: 5 Aug 2017 3:09

Tgt Ion:172 Resp: 887097
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.9 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

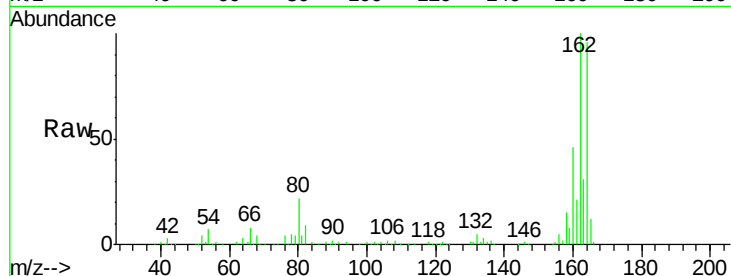




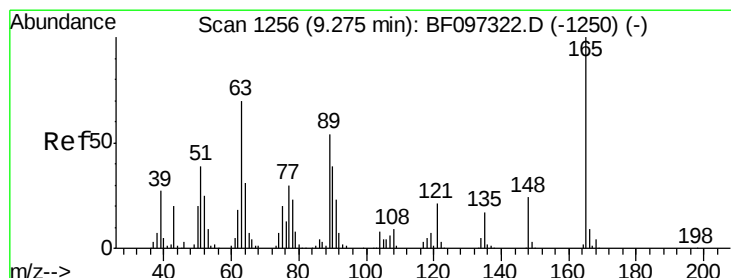
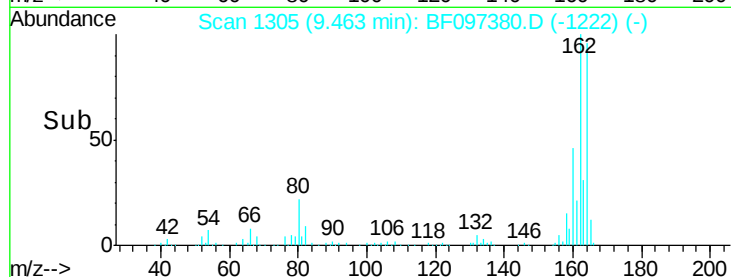
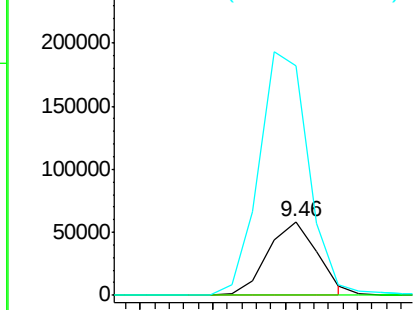
#49
Dimethylphthalate
Concen: 3.94 ng
RT: 9.46 min Scan# 1305
Delta R.T. 0.19 min
Lab File: BF097380.D
Acq: 5 Aug 2017 3:09

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion:163 Resp: 55550
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 311.7 8.4 12.6#

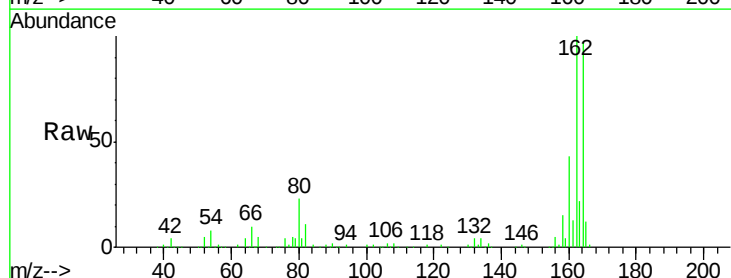


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

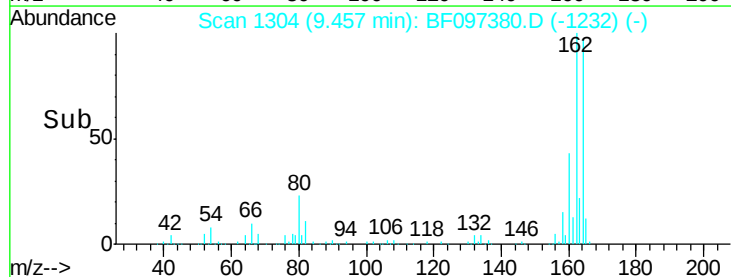
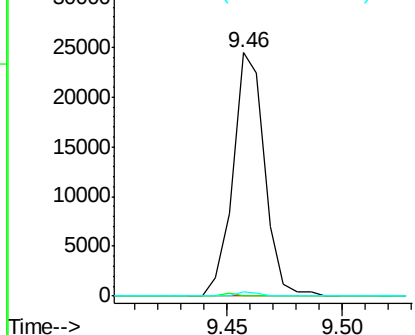


#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 9.46 min Scan# 1304
Delta R.T. 0.12 min
Lab File: BF097380.D
Acq: 5 Aug 2017 3:09

Tgt Ion:165 Resp: 23260
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 1.7 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

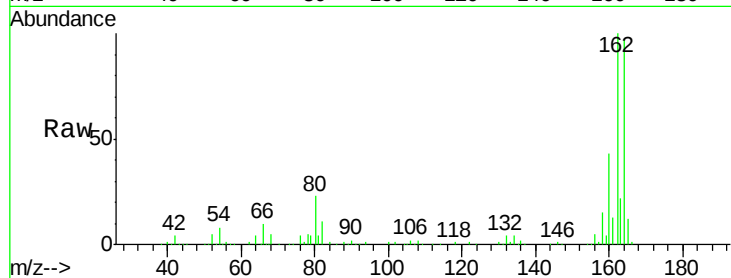




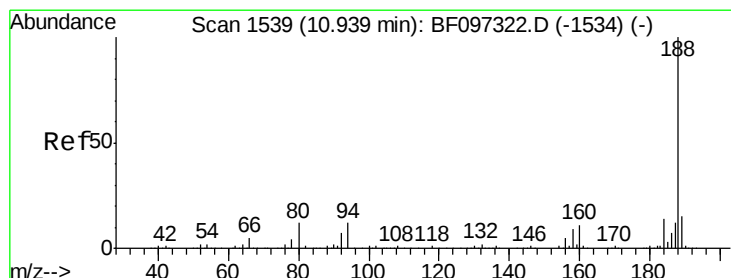
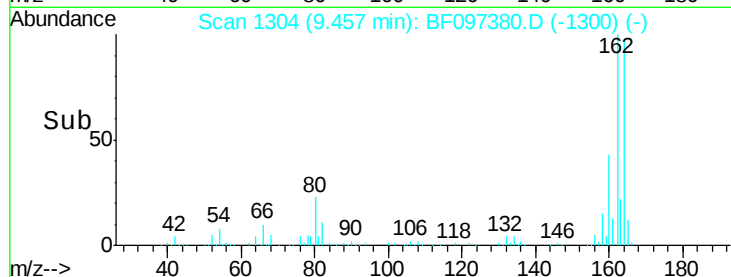
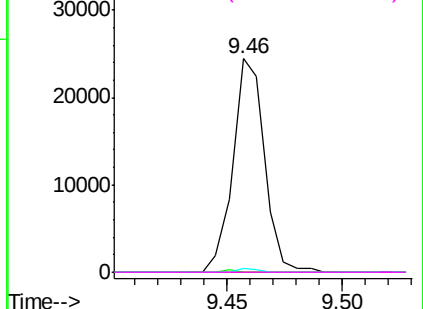
#56
 2,4-Dinitrotoluene
 Concen: 6.76 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. -0.28 min
 Lab File: BF097380.D
 Acq: 5 Aug 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

Tot Ion:	165	Resp:	23260
Ion Ratio	Lower	Upper	
165	100		
63	0.0	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

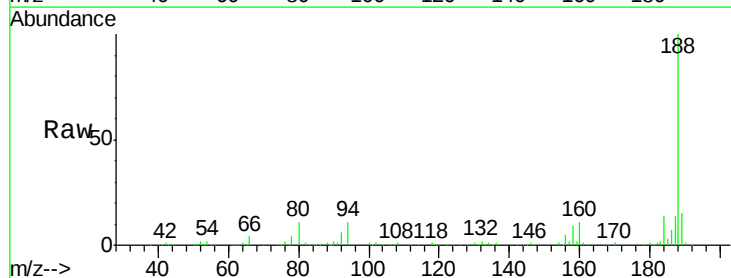


Abundance Ion 165.00 (164.70 to 165.70): E

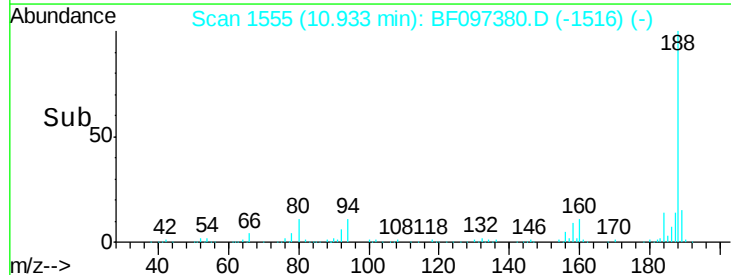
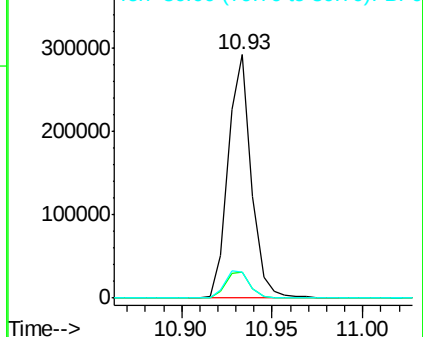


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.07 min
 Lab File: BF097380.D
 Acq: 5 Aug 2017 3:09

Tgt Ion:	188	Resp:	260776
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	10.6	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E

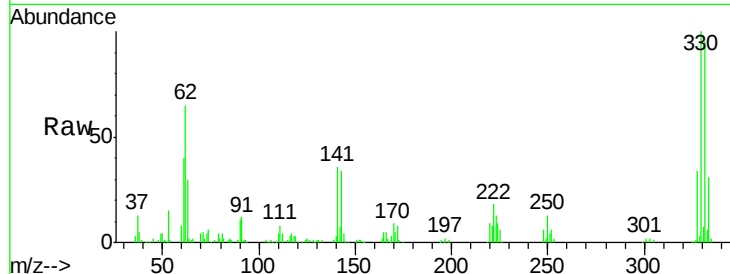




#66
4-Bromophenyl-phenylether
Concen: 3.97 ng
RT: 10.25 min Scan# 1439
Delta R.T. -0.31 min
Lab File: BF097380.D
Acq: 5 Aug 2017 3:09

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Lower	Upper
248	100		
250	192.7	76.8	115.2#
141	561.5	68.6	103.0#

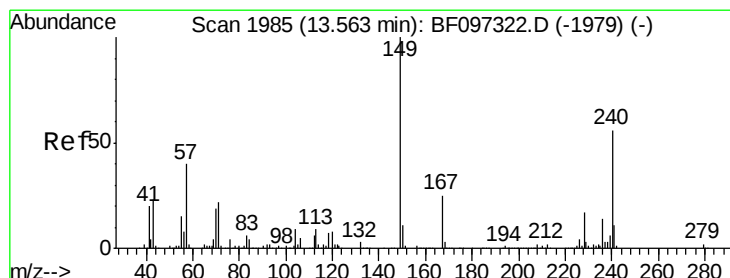
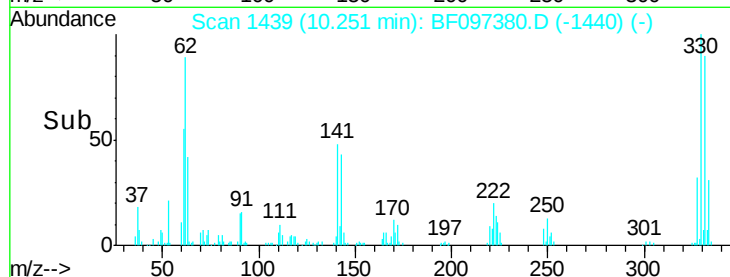
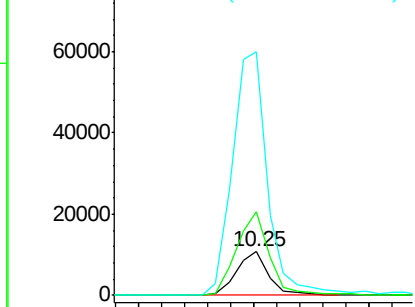


Abundance

Ion 248.00 (247.70 to 248.70): E

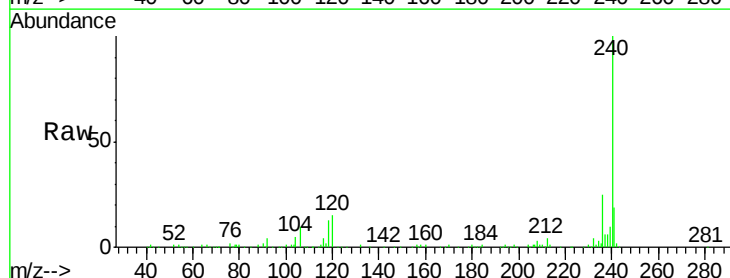
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.55 min Scan# 2000
Delta R.T. -0.08 min
Lab File: BF097380.D
Acq: 5 Aug 2017 3:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.4	5.8	8.8#
236	25.5	20.5	30.7

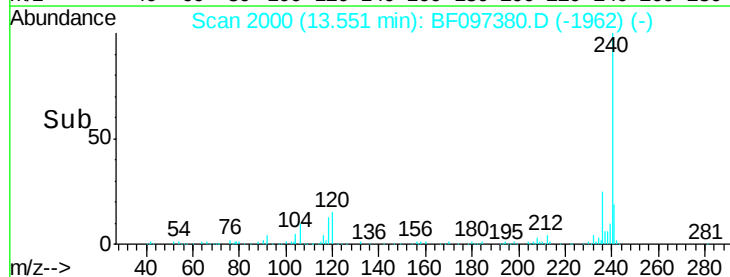
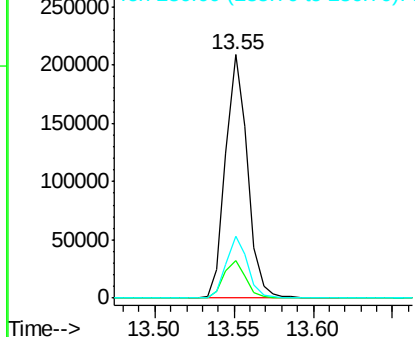


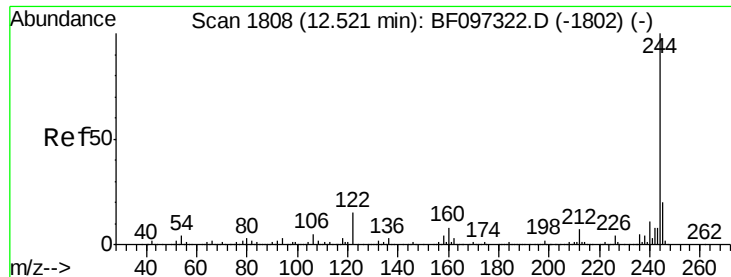
Abundance

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

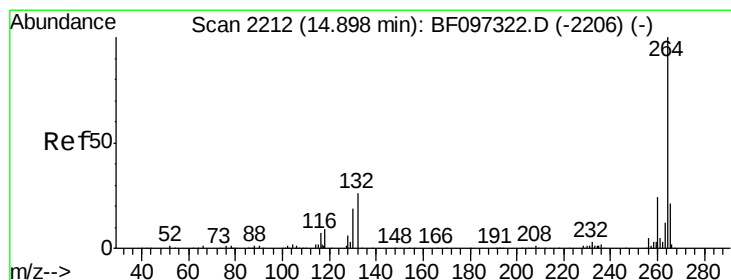
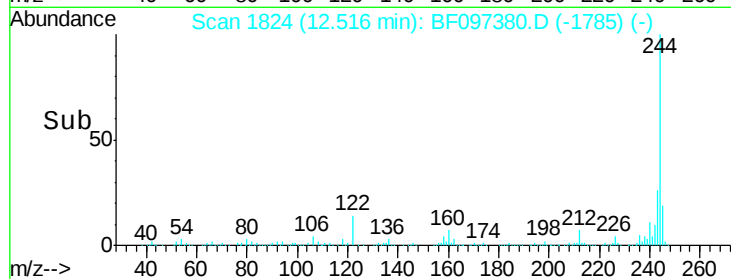
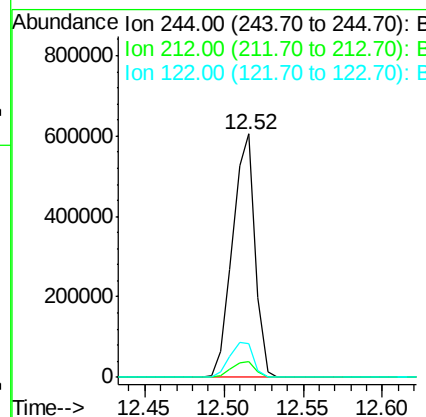
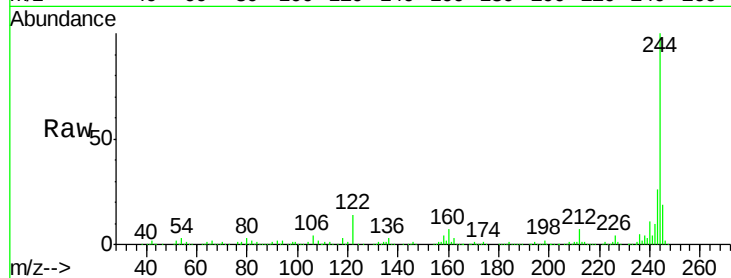




#78
 Terphenyl-d14
 Concen: 60.29 ng
 RT: 12.52 min Scan# 1824
 Delta R.T. -0.07 min
 Lab File: BF097380.D
 Acq: 5 Aug 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

Tot Ion:244 Resp: 595116
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF097380.D
 Acq: 5 Aug 2017 3:09

Tgt Ion:264 Resp: 163768
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.3 17.2 25.8

