

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097032.D
 Acq On : 25 Jul 2017 16:45
 Operator : SJ/JU
 Sample : I4395-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VL-WWTP-004

Quant Time: Jul 26 01:03:03 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

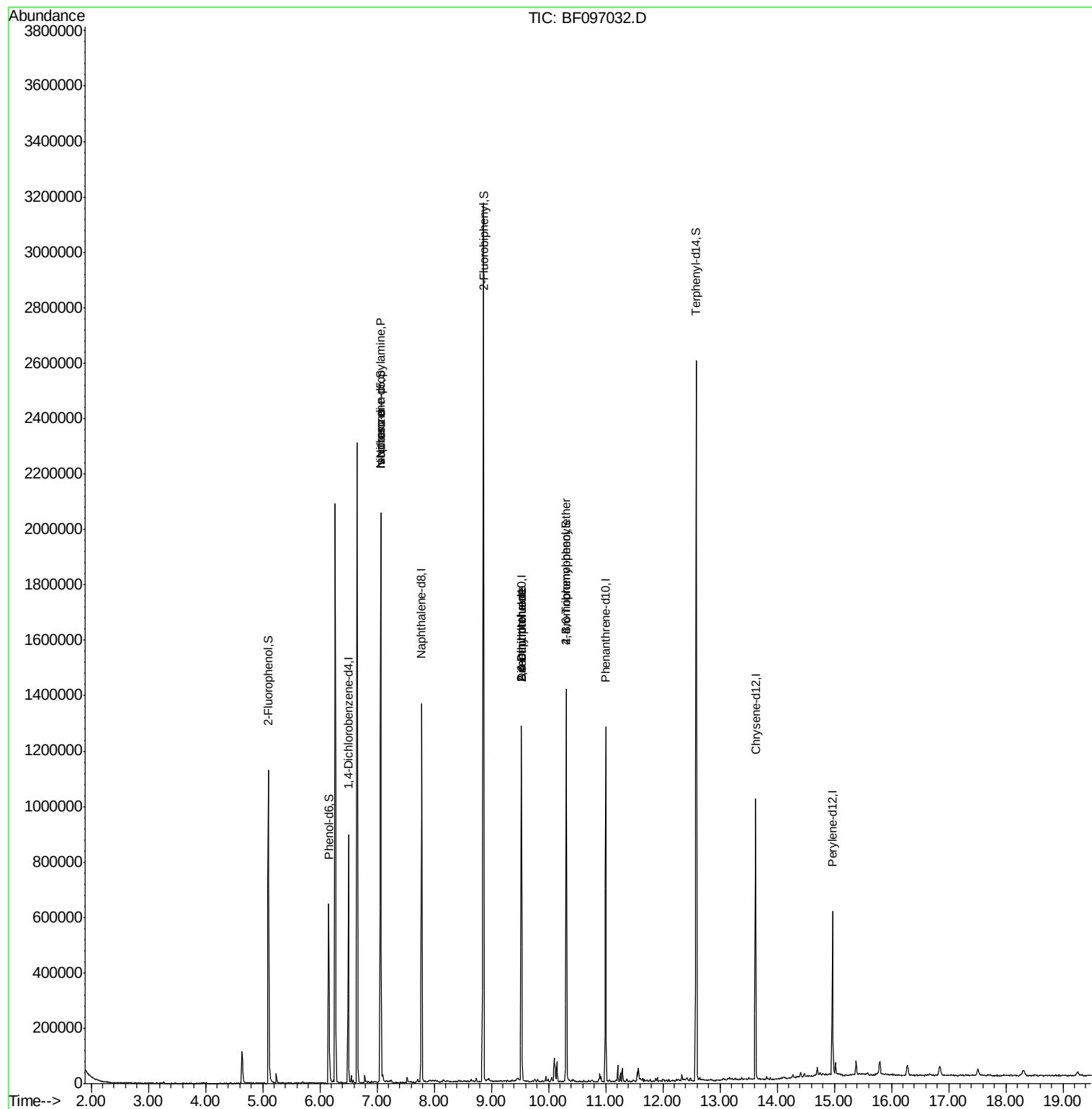
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	137730	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	613095	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	262569	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	438805	20.00	ng	0.00
75) Chrysene-d12	13.62	240	324455	20.00	ng	0.00
86) Perylene-d12	14.97	264	218561	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	324294	35.49	ng	0.00
7) Phenol-d6	6.16	99	234497	22.48	ng	-0.01
23) Nitrobenzene-d5	7.07	82	724366	69.31	ng	0.00
41) 2,4,6-Tribromophenol	10.31	330	158839	76.57	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	1184344	76.55	ng	0.00
78) Terphenyl-d14	12.59	244	912179	57.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.07	70	97539	14.21	ng	# 88
25) Isophorone	7.07	82	703397	34.37	ng	# 67
49) Dimethylphthalate	9.53	163	80048	4.01	ng	# 1
50) 2,6-Dinitrotoluene	9.53	165	32963	7.79	ng	# 35
56) 2,4-Dinitrotoluene	9.53	165	32963	6.78	ng	# 34
66) 4-Bromophenyl-phenylether	10.31	248	10421	2.38	ng	# 1

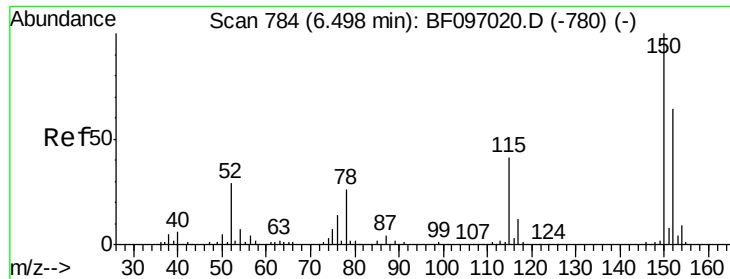
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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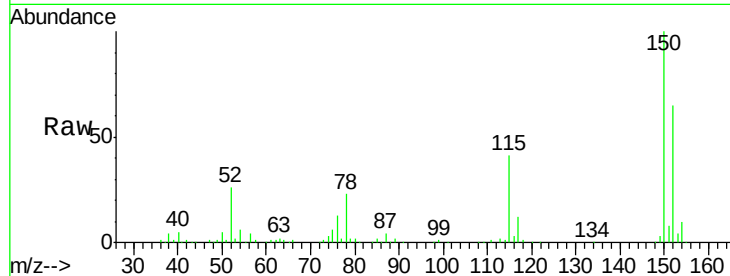


#1

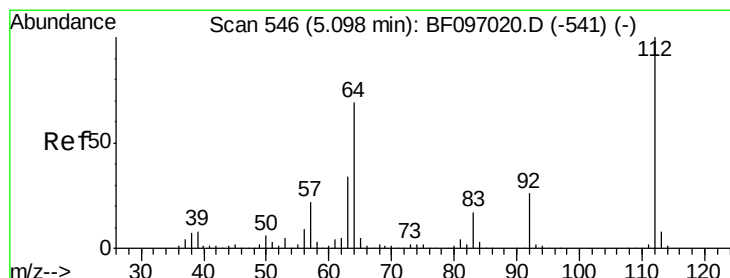
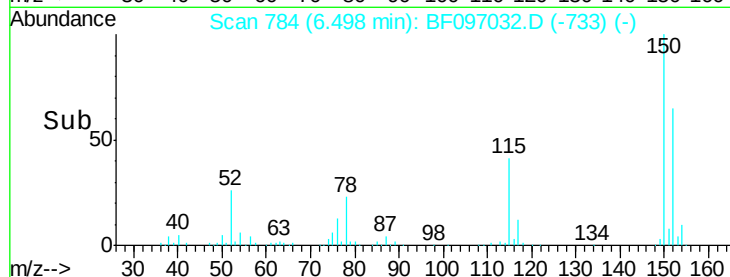
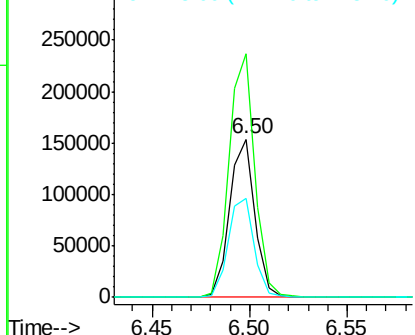
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097032.D
Acq: 25 Jul 2017 16:45

Instrument :
BNA_F
ClientSampleId :
VL-WWTP-004

Tot Ion:152 Resp: 137730
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.2
115 62.4 52.2 78.2



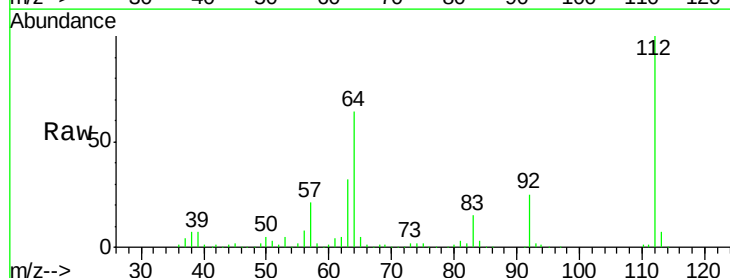
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



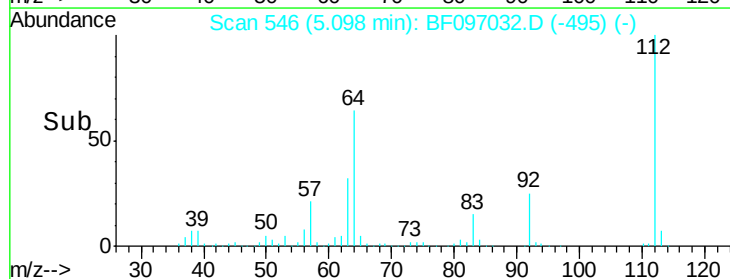
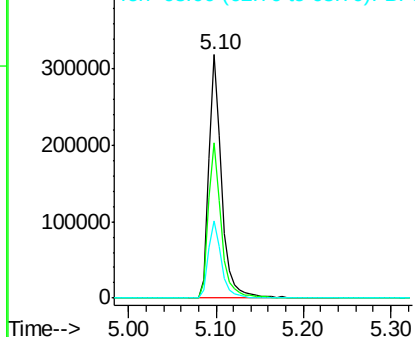
#5

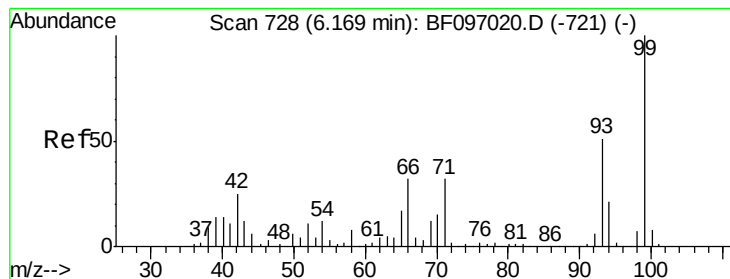
2-Fluorophenol
Concen: 35.49 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097032.D
Acq: 25 Jul 2017 16:45

Tgt Ion:112 Resp: 324294
Ion Ratio Lower Upper
112 100
64 63.9 46.0 69.0
63 31.9 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: 22.48 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

Instrument :

BNA_F

ClientSampleId :

VL-WWTP-004

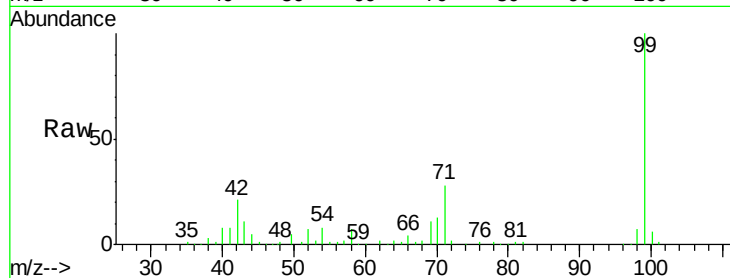
Tot Ion: 99 Resp: 234497

Ion Ratio Lower Upper

99 100

42 20.7 13.5 20.3#

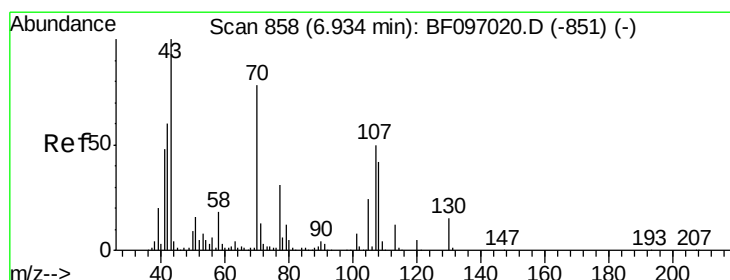
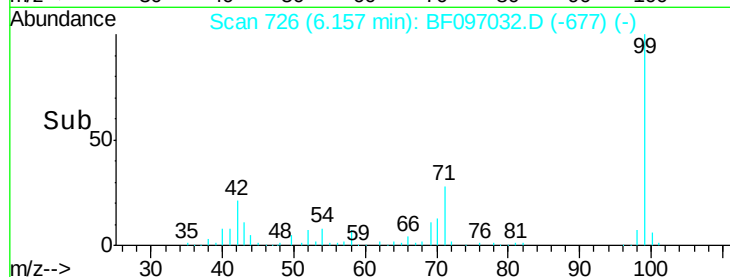
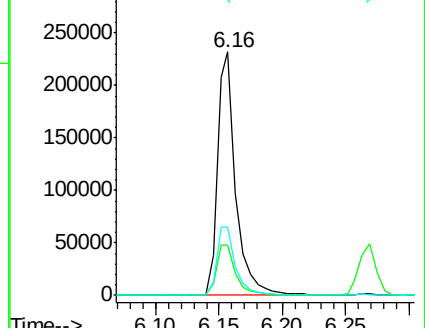
71 28.2 24.5 36.7



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: 14.21 ng

RT: 7.07 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

Tgt Ion: 70 Resp: 97539

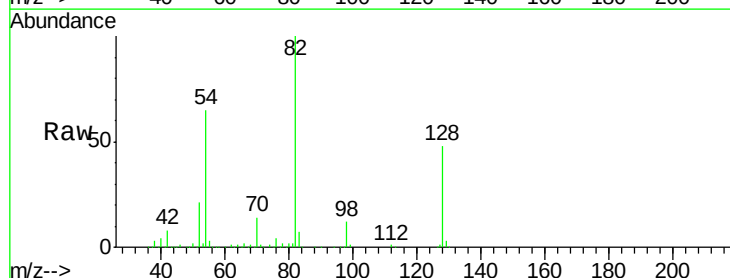
Ion Ratio Lower Upper

70 100

42 59.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

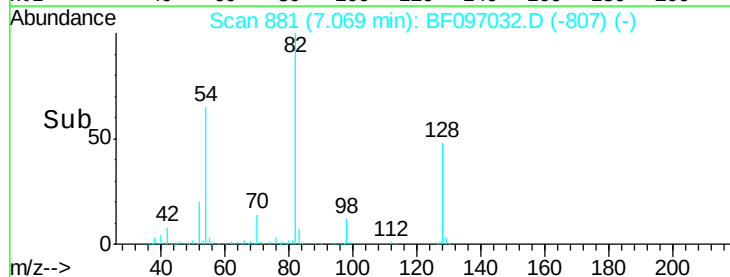
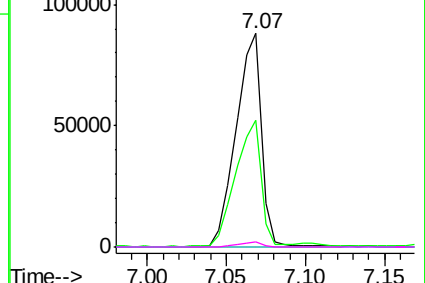


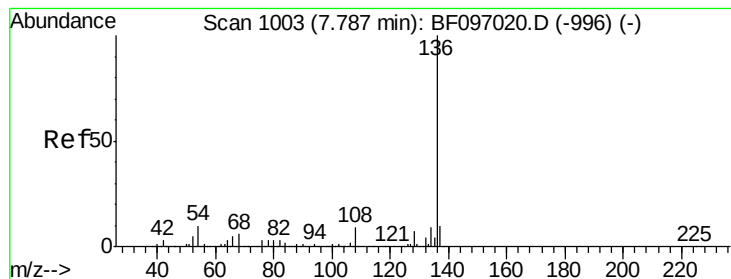
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

Instrument :

BNA_F

ClientSampleId :

VL-WWTP-004

Tot Ion:136 Resp: 613095

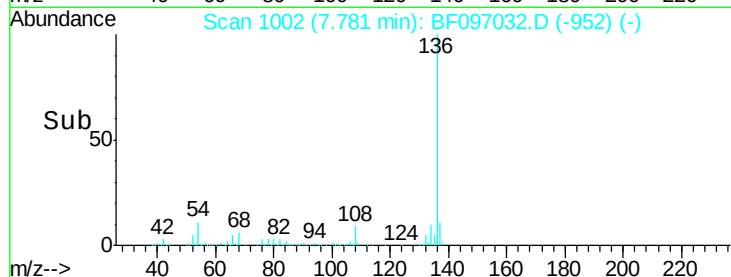
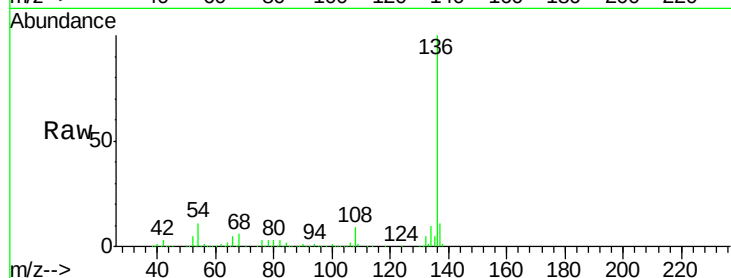
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.7 4.9 7.3#

68 6.1 4.1 6.1

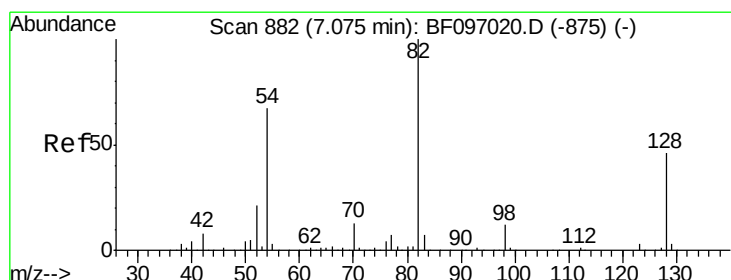
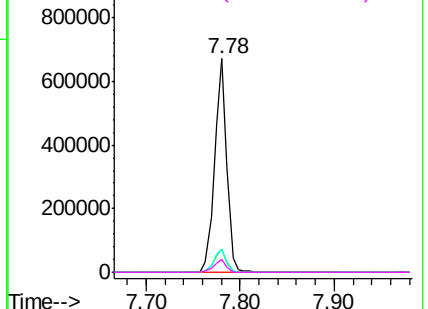


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.31 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

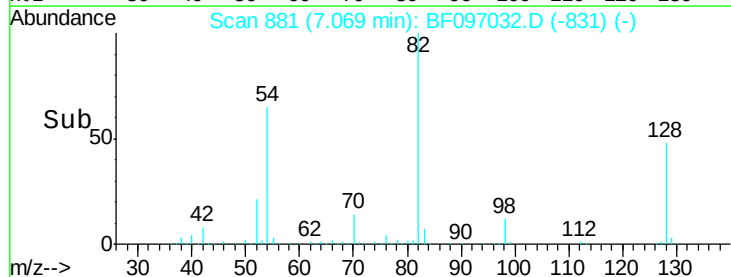
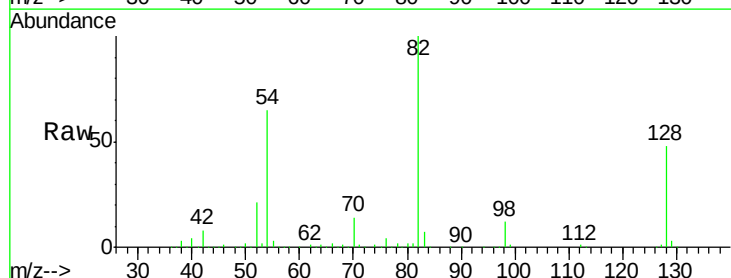
Tgt Ion: 82 Resp: 724366

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

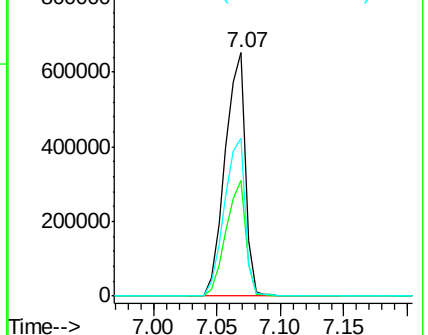
54 65.1 42.2 63.2#

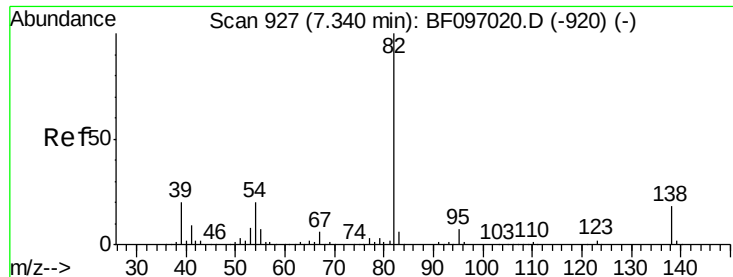


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.37 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

Instrument :

BNA_F

ClientSampleId :

VL-WWTP-004

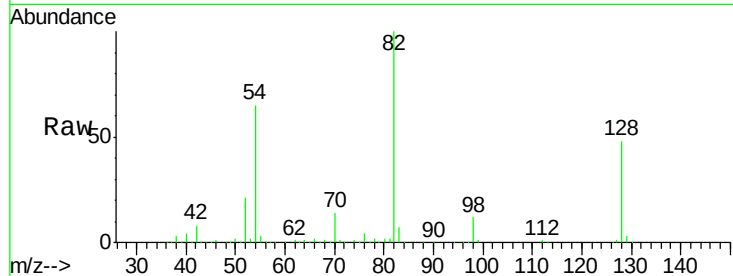
Tot Ion: 82 Resp: 703397

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

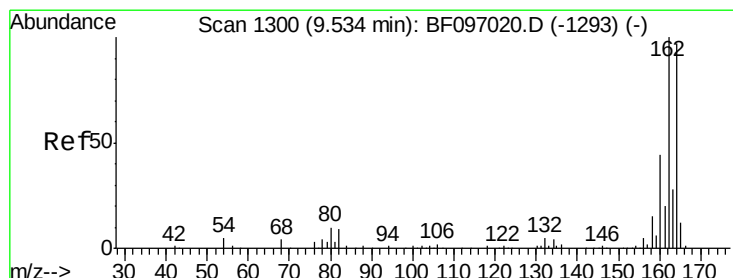
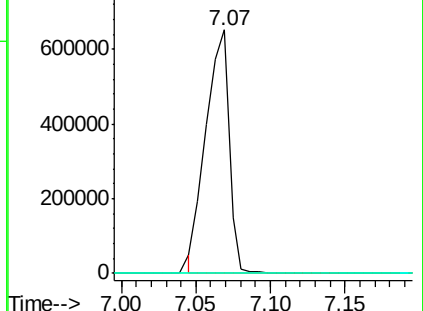
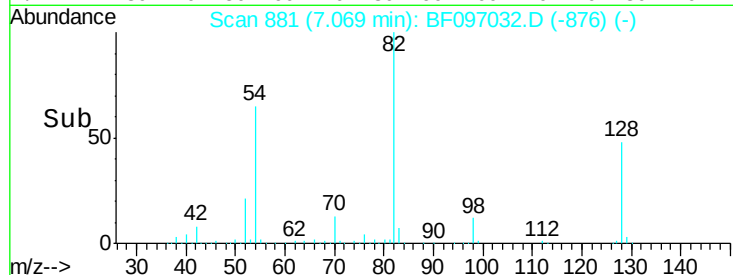
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

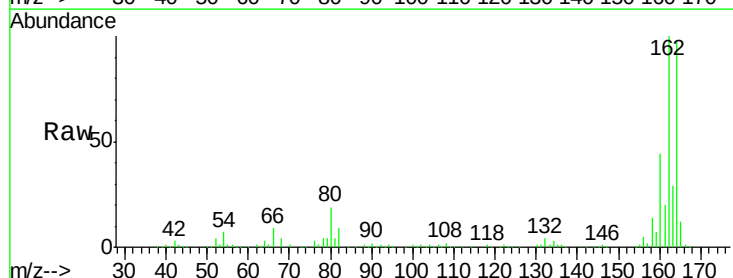
Tgt Ion: 164 Resp: 262569

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

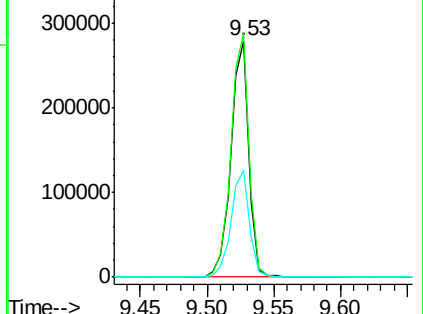
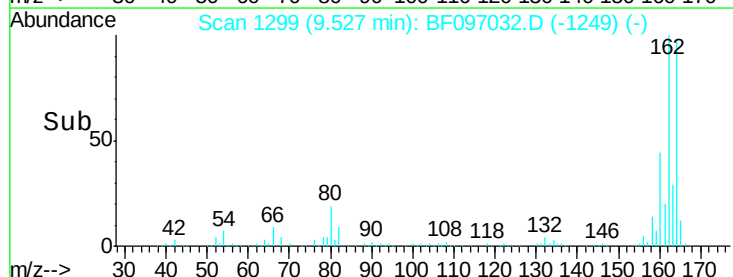
160 45.1 36.2 54.2

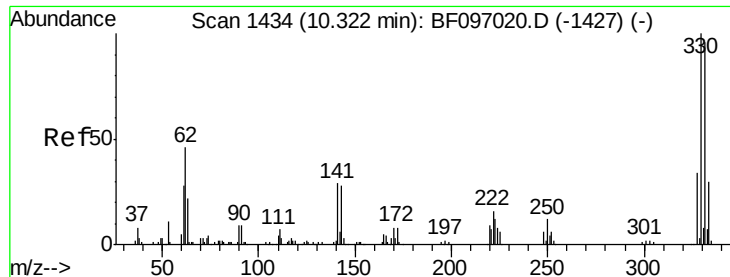


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 76.57 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

Instrument :

BNA_F

ClientSampleId :

VL-WWTP-004

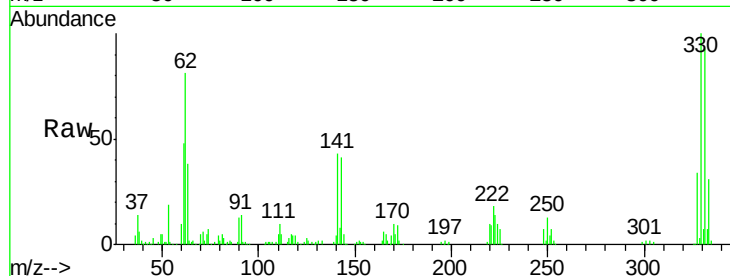
Tot Ion:330 Resp: 158839

Ion Ratio Lower Upper

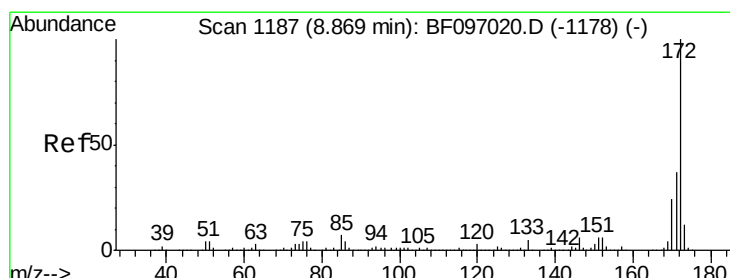
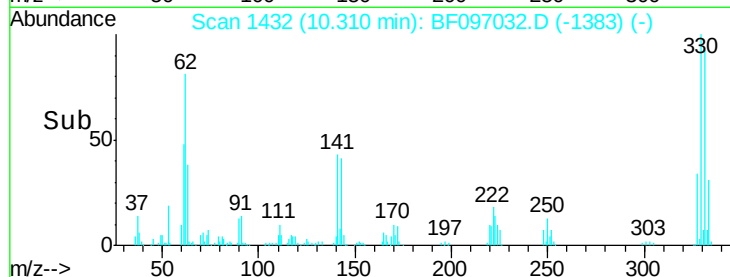
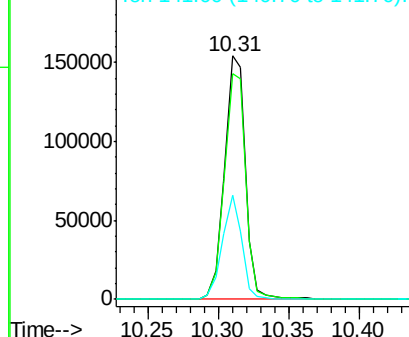
330 100

332 95.0 76.6 115.0

141 39.6 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: 76.55 ng

RT: 8.86 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

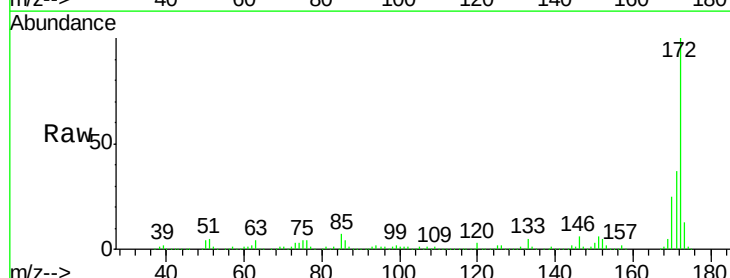
Tgt Ion:172 Resp: 1184344

Ion Ratio Lower Upper

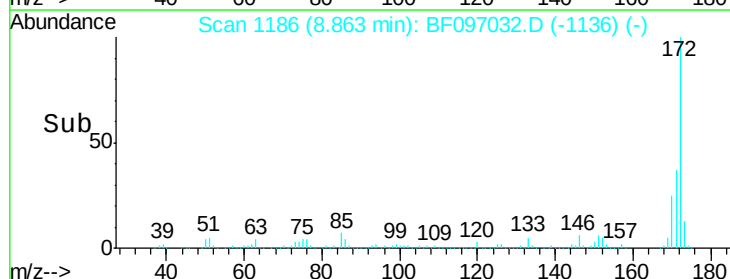
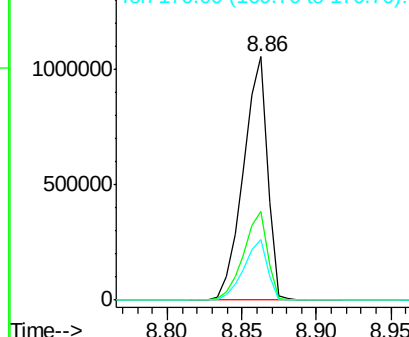
172 100

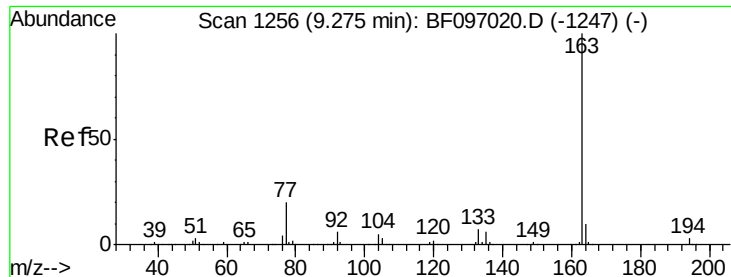
171 36.6 29.6 44.4

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: 4.01 ng

RT: 9.53 min Scan# 1299

Delta R.T. 0.25 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

Instrument :

BNA_F

ClientSampleId :

VL-WWTP-004

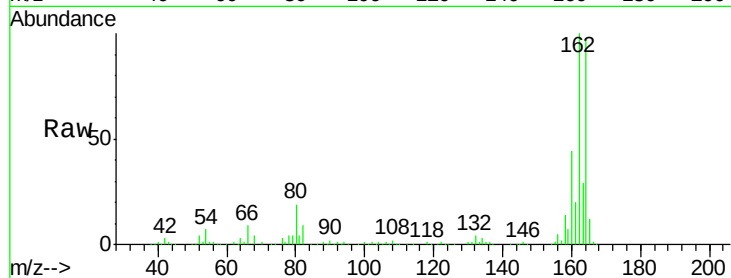
Tot Ion:163 Resp: 80048

Ion Ratio Lower Upper

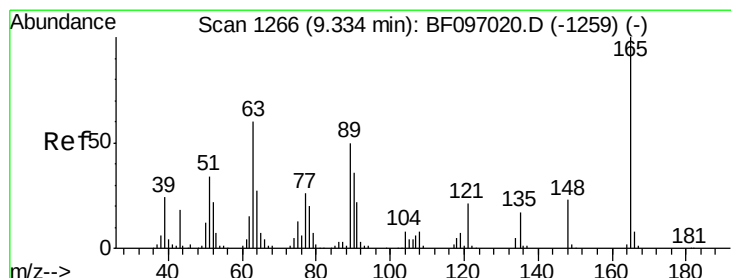
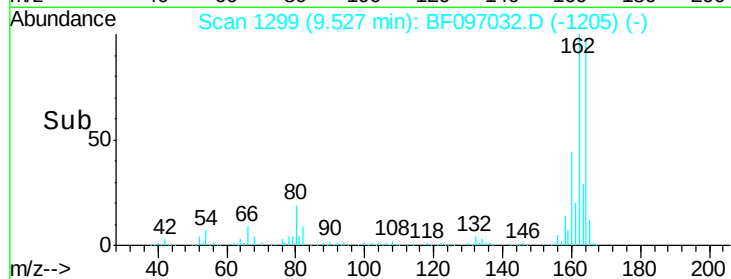
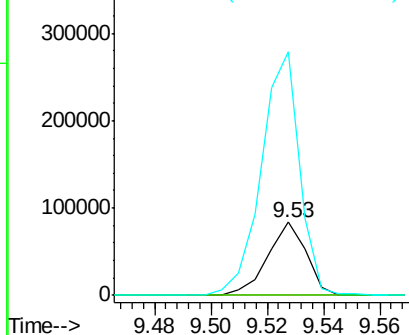
163 100

194 0.0 2.6 4.0#

164 332.2 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: 7.79 ng

RT: 9.53 min Scan# 1299

Delta R.T. 0.19 min

Lab File: BF097032.D

Acq: 25 Jul 2017 16:45

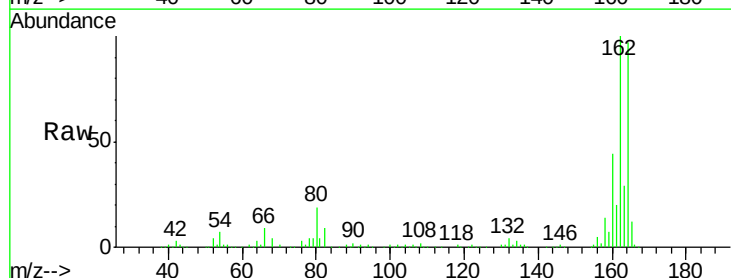
Tgt Ion:165 Resp: 32963

Ion Ratio Lower Upper

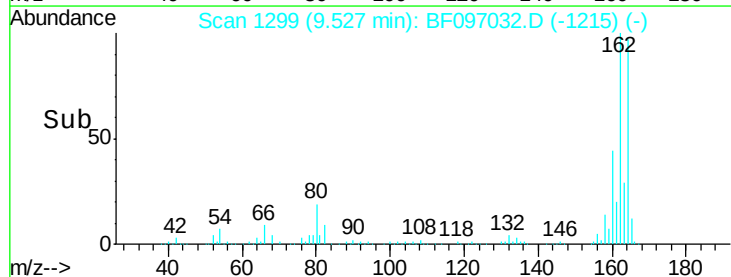
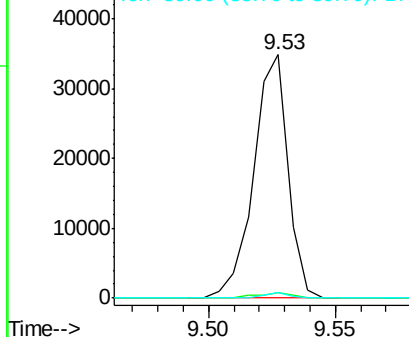
165 100

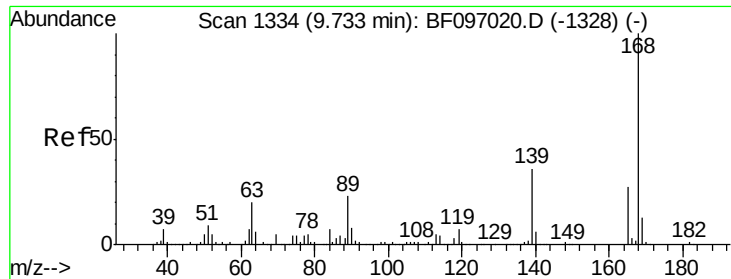
63 2.1 34.3 51.5#

89 2.1 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

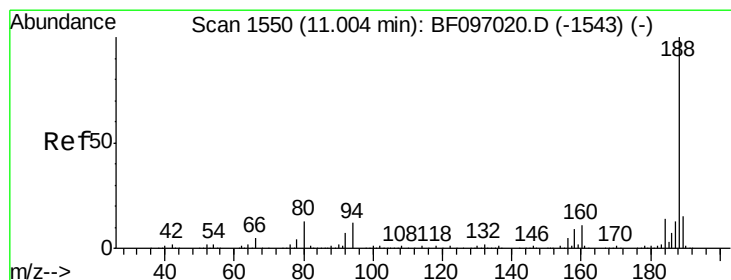
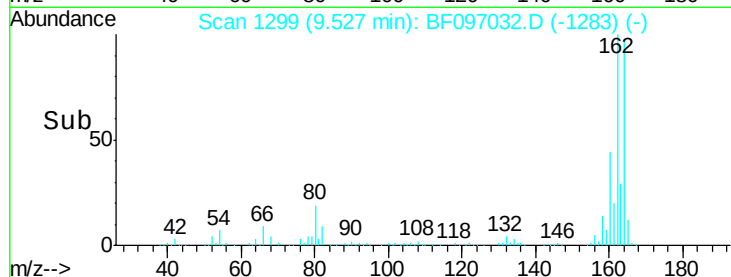
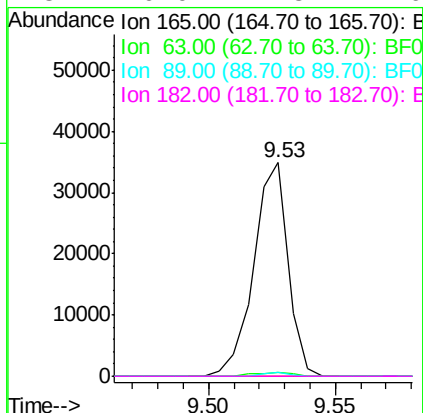
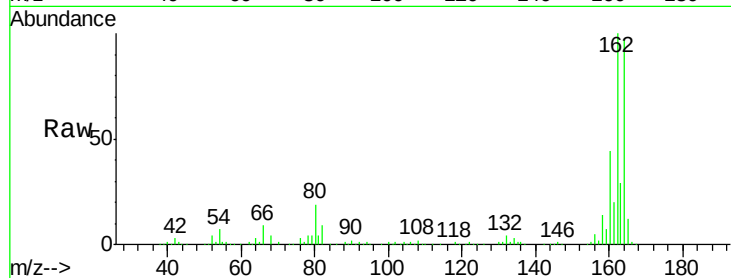




#56
 2,4-Dinitrotoluene
 Concen: 6.78 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF097032.D
 Acq: 25 Jul 2017 16:45

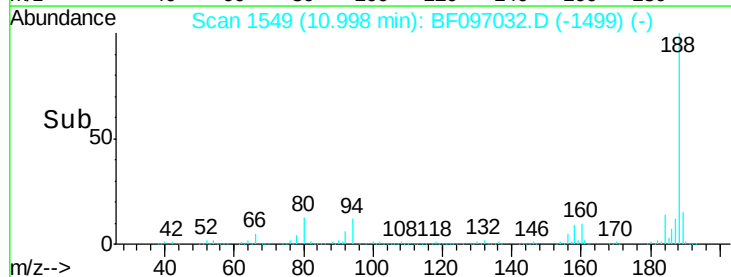
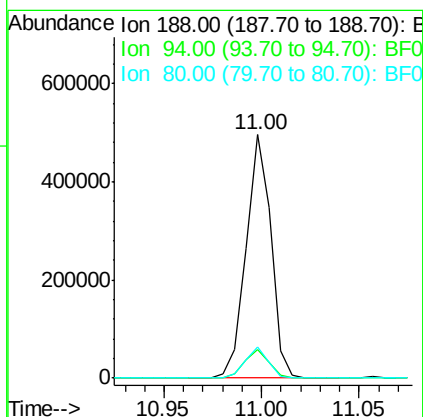
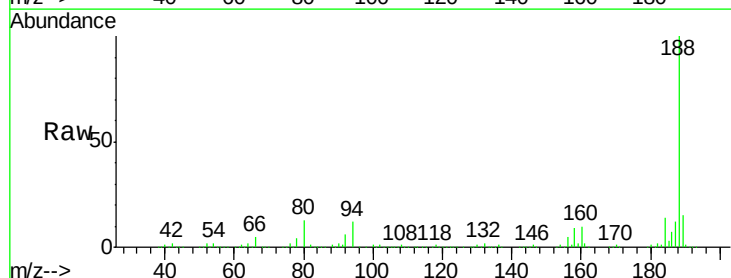
Instrument :
 BNA_F
 ClientSampleId :
 VL-WWTP-004

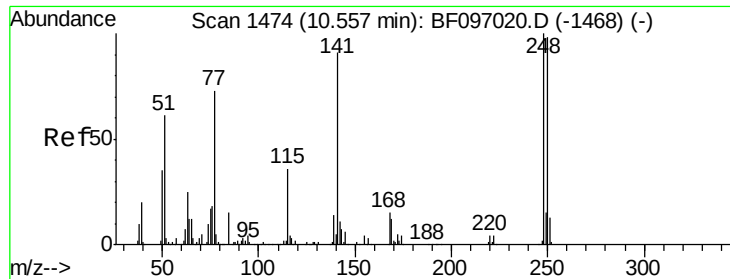
Tot Ion:165	Resp:	32963
Ion Ratio	Lower	Upper
165	100	
63	2.1	25.4 38.0#
89	2.1	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097032.D
 Acq: 25 Jul 2017 16:45

Tgt Ion:188	Resp:	438805
Ion Ratio	Lower	Upper
188	100	
94	12.0	9.4 14.2
80	12.8	10.2 15.2

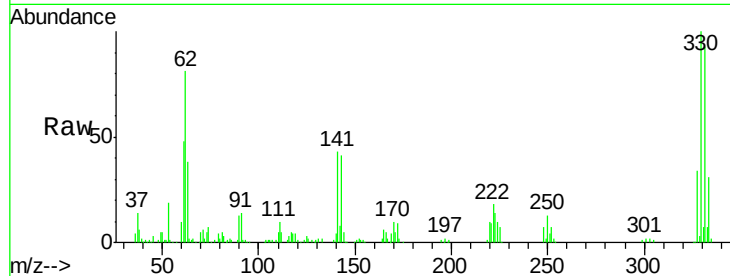




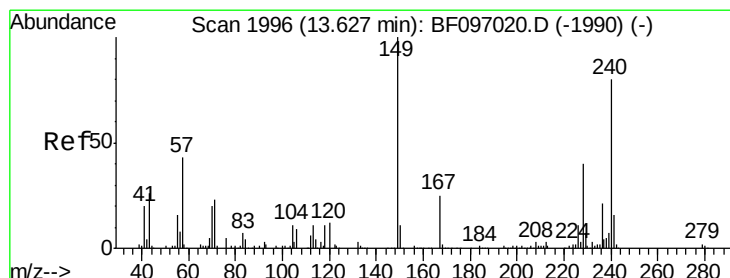
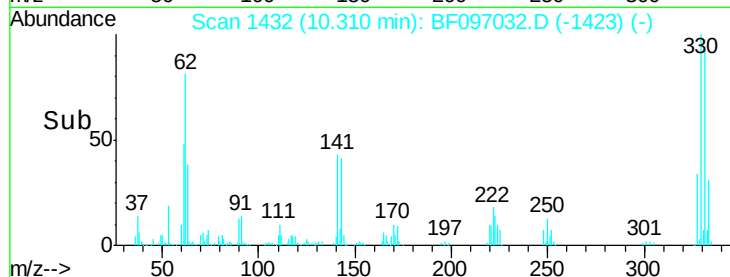
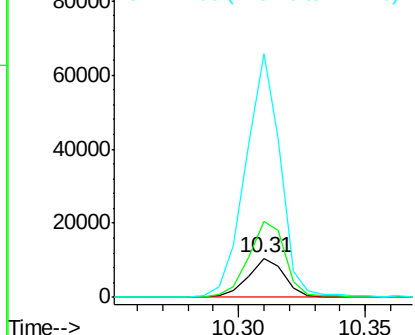
#66
 4-Bromophenyl-phenylether
 Concen: 2.38 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF097032.D
 Acq: 25 Jul 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :
 VL-WWTP-004

Tot Ion:248 Resp: 10421
 Ion Ratio Lower Upper
 248 100
 250 194.9 76.8 115.2#
 141 621.3 68.6 103.0#

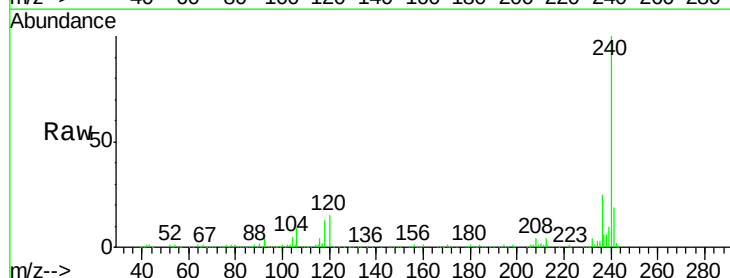


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

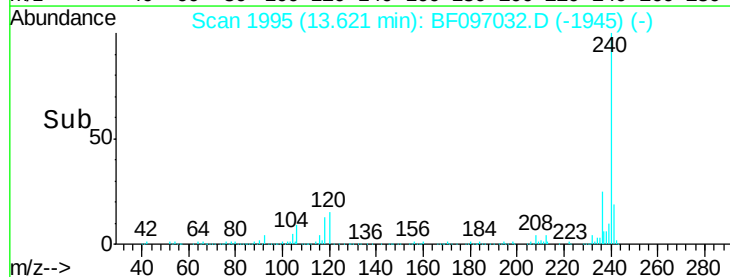
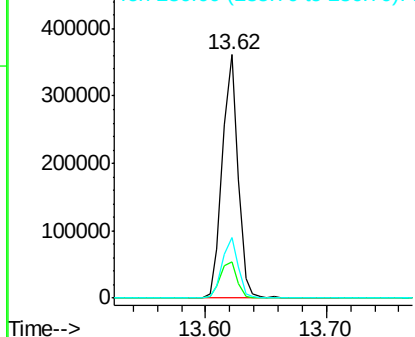


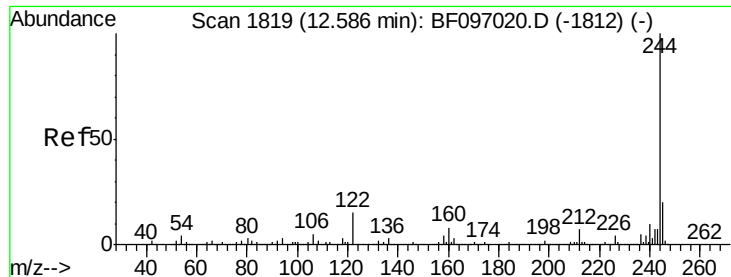
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.62 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF097032.D
 Acq: 25 Jul 2017 16:45

Tgt Ion:240 Resp: 324455
 Ion Ratio Lower Upper
 240 100
 120 15.0 5.8 8.8#
 236 25.0 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

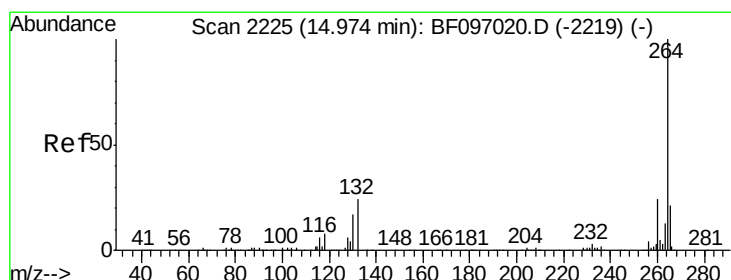
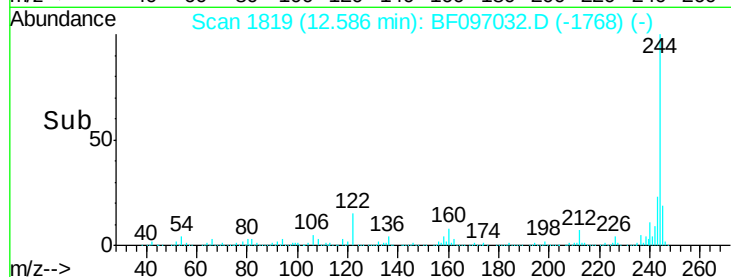
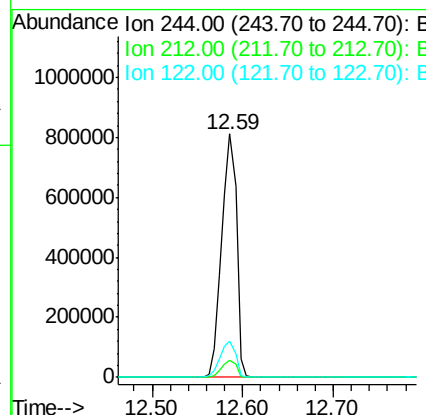
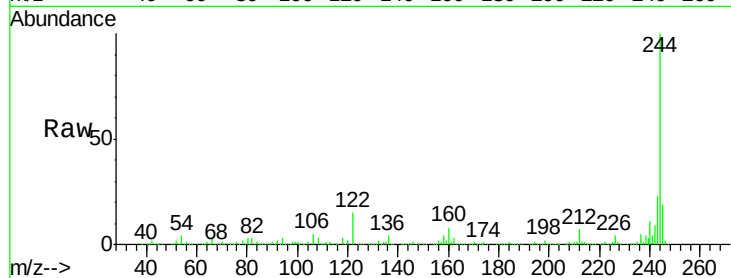




#78
 Terphenyl-d14
 Concen: 57.32 ng
 RT: 12.59 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BF097032.D
 Acq: 25 Jul 2017 16:45

Instrument :
 BNA_F
 ClientSampleID :
 VL-WWTP-004

Tot Ion:244 Resp: 912179
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097032.D
 Acq: 25 Jul 2017 16:45

Tgt Ion:264 Resp: 218561
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 22.1 17.2 25.8

