

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
 Data File : BF101693.D
 Acq On : 23 Dec 2017 10:23
 Operator : SJ/JU
 Sample : I6840-03
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-02

Quant Time: Dec 24 22:34:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

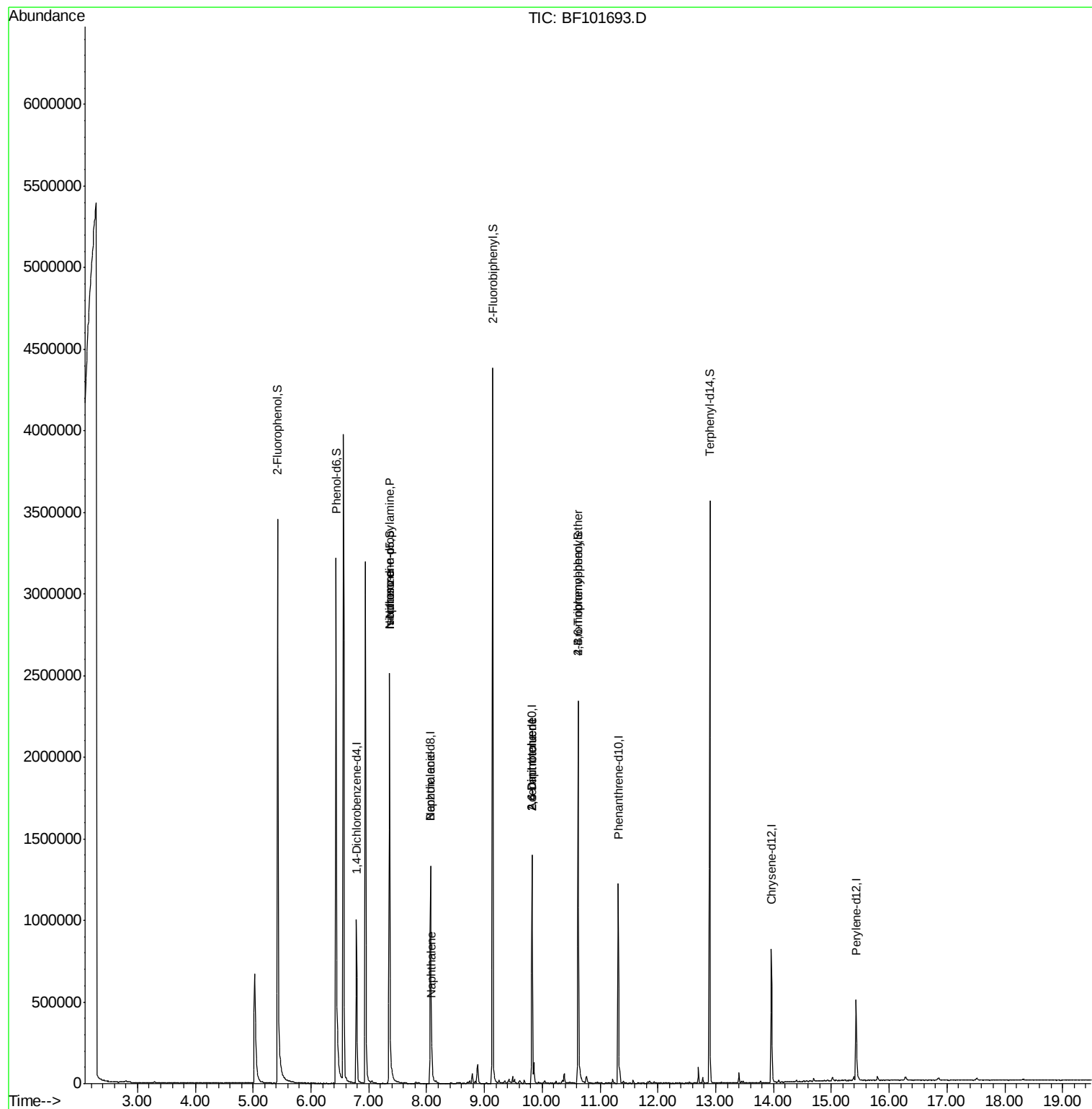
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	157199	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	613934	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	263188	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	446707	20.00	ng	0.00
75) Chrysene-d12	13.96	240	299492	20.00	ng	0.00
86) Perylene-d12	15.43	264	279686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1278217	121.12	ng	0.02
7) Phenol-d6	6.43	99	1487666	113.27	ng	0.00
23) Nitrobenzene-d5	7.36	82	1066054	96.66	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	339368	133.82	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1609223	94.85	ng	0.00
78) Terphenyl-d14	12.90	244	1314949	105.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	141399	16.393	ng	# 80
25) Isophorone	7.36	82	1066048	48.183	ng	# 64
31) Naphthalene	8.09	128	110033	3.560	ng	# 98
32) Benzoic acid	8.07	122	121	7.978	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	33858	7.869	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	33858	6.984	ng	# 23
66) 4-Bromophenyl-phenylether	10.62	248	20469	4.078	ng	# 1

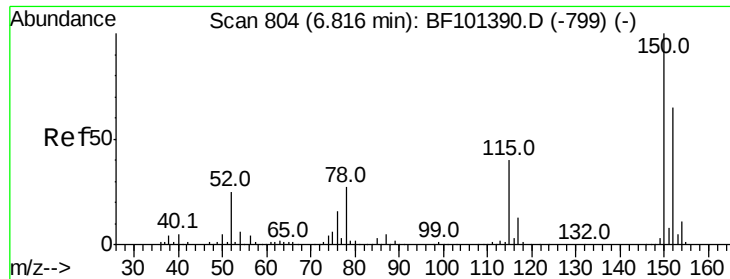
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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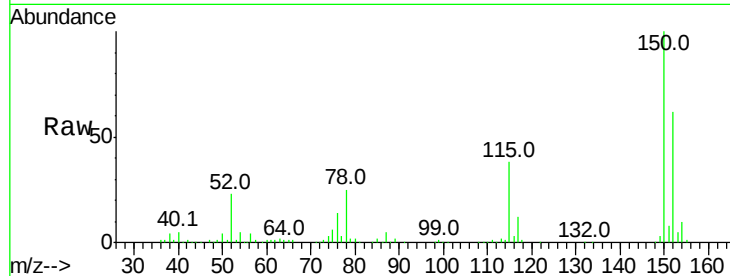


#1

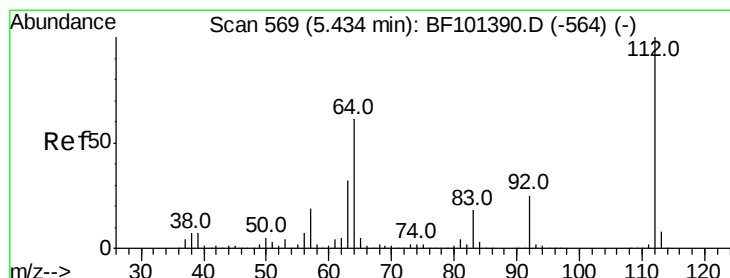
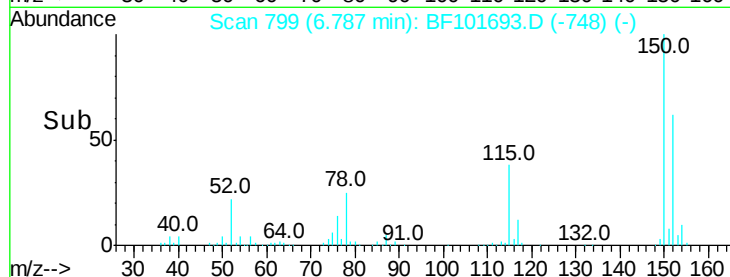
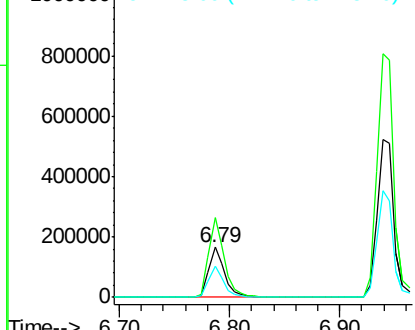
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101693.D
Acq: 23 Dec 2017 10:23

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

Tot Ion:152 Resp: 157199
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 60.8 50.1 75.1



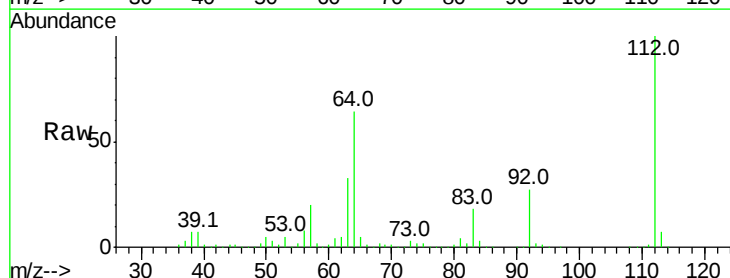
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



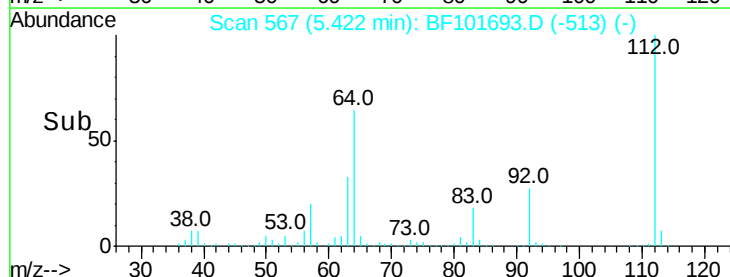
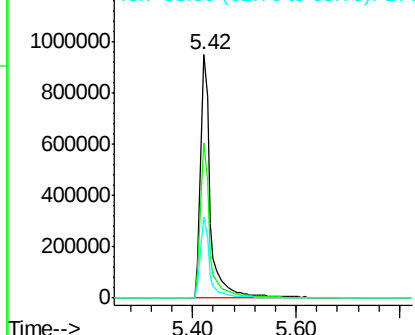
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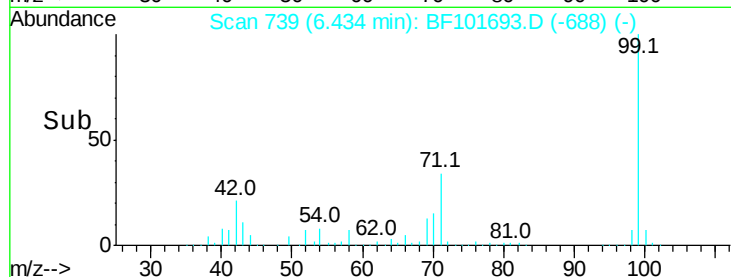
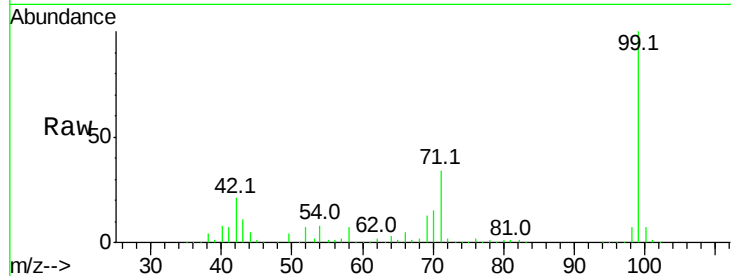
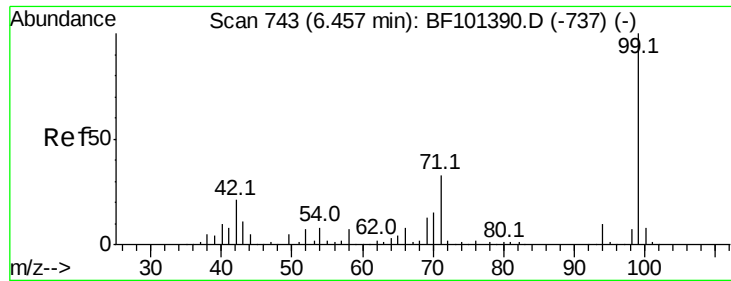
2-Fluorophenol
Concen: 121.121 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101693.D
Acq: 23 Dec 2017 10:23

Tgt Ion:112 Resp: 1278217
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 33.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.269 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

Instrument :

BNA_F

ClientSampleId :

WC-41446854-02

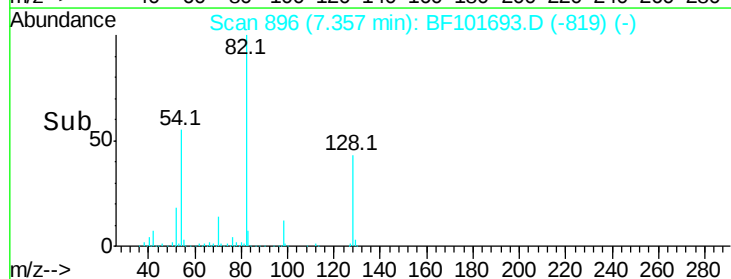
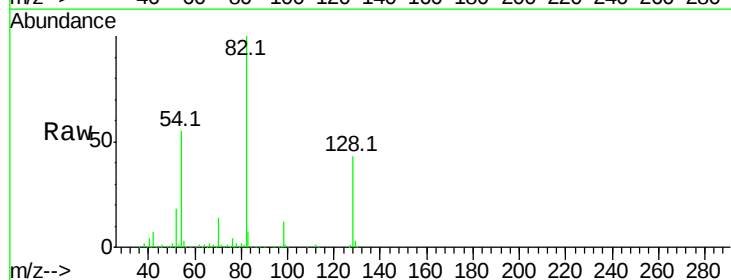
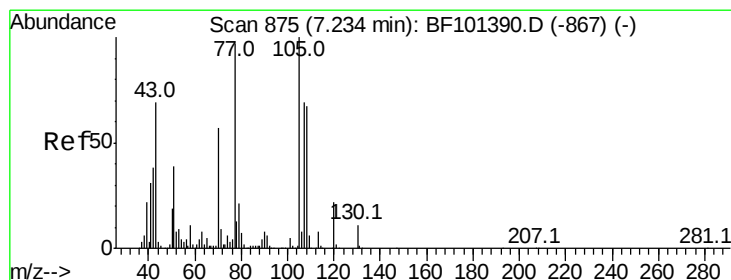
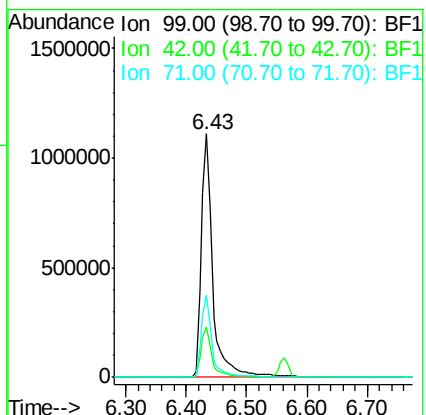
Tot Ion: 99 Resp: 1487666

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.393 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

Tgt Ion: 70 Resp: 141399

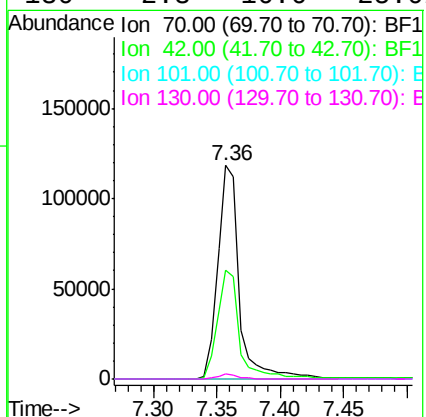
Ion Ratio Lower Upper

70 100

42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

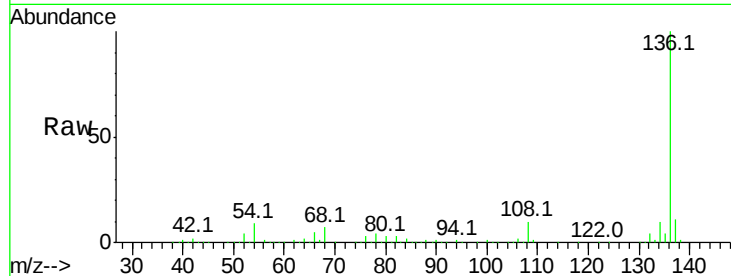




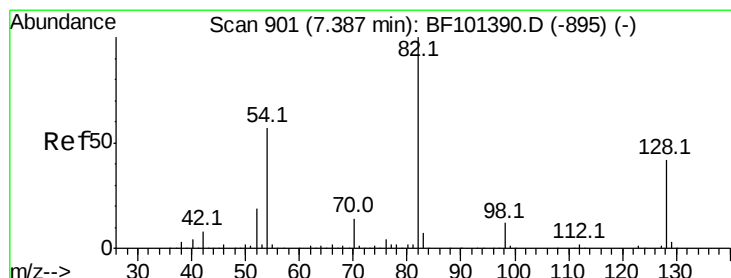
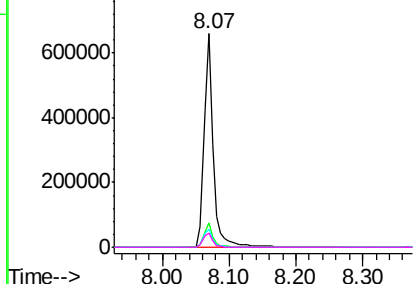
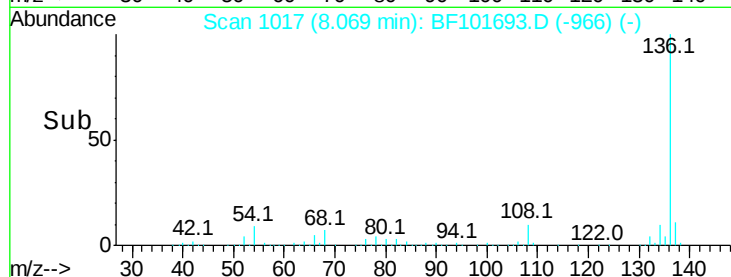
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101693.D
Acq: 23 Dec 2017 10:23

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

Tot Ion:	136	Resp:	613934
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.7	6.6	9.8
68	6.7	5.0	7.4

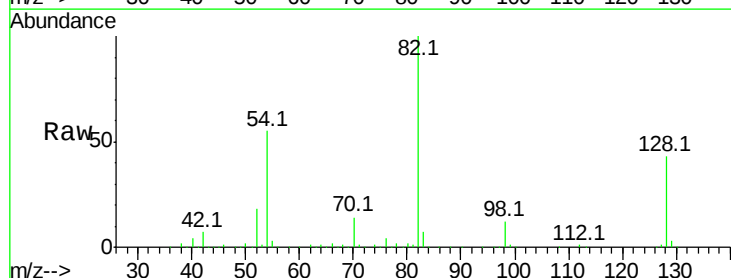


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

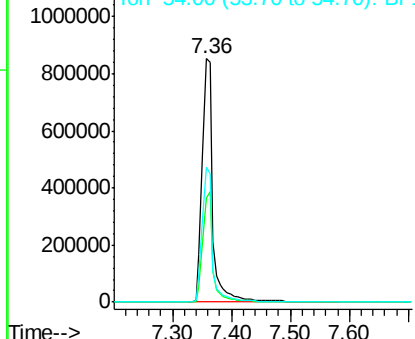
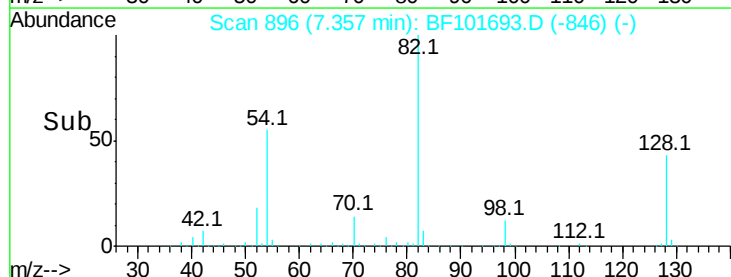


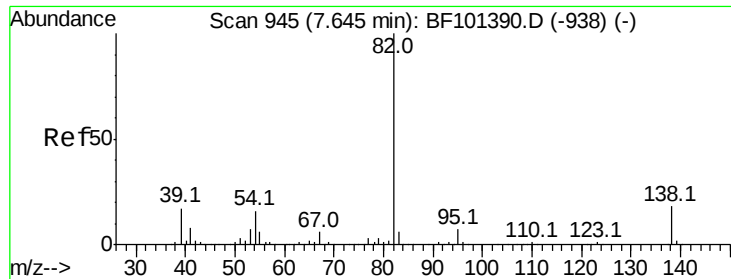
#23
Nitrobenzene-d5
Concen: 96.660 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101693.D
Acq: 23 Dec 2017 10:23

Tgt Ion:	82	Resp:	1066054
Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	55.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.183 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

Instrument :

BNA_F

ClientSampleId :

WC-41446854-02

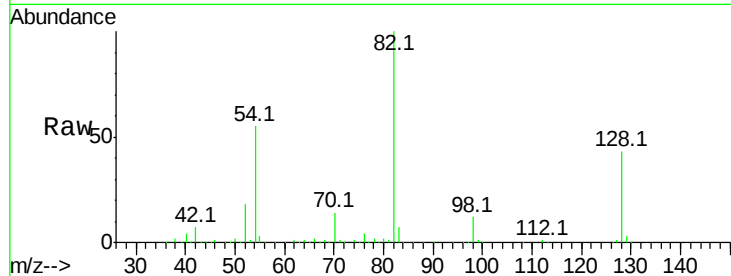
Tot Ion: 82 Resp: 1066048

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

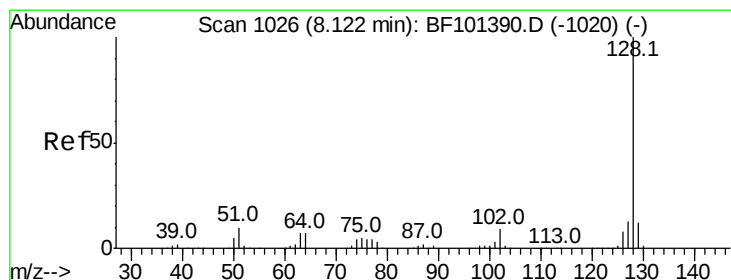
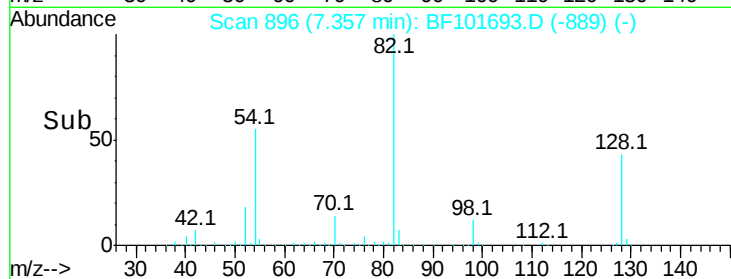
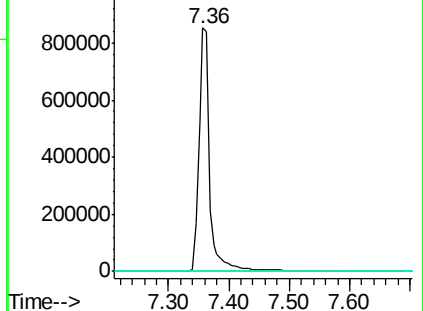
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 3.560 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

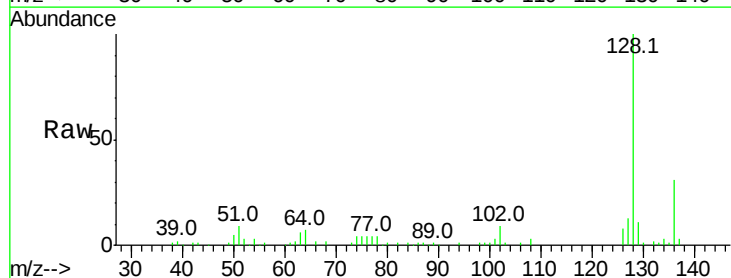
Tgt Ion:128 Resp: 110033

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

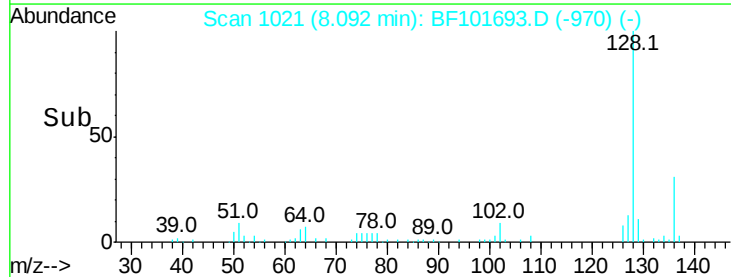
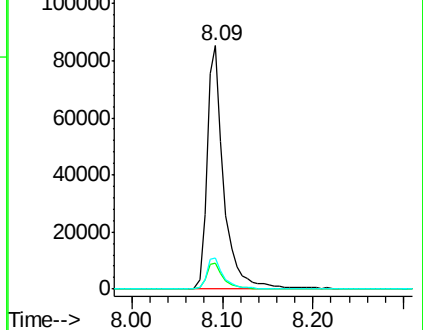
127 12.7 10.9 16.3

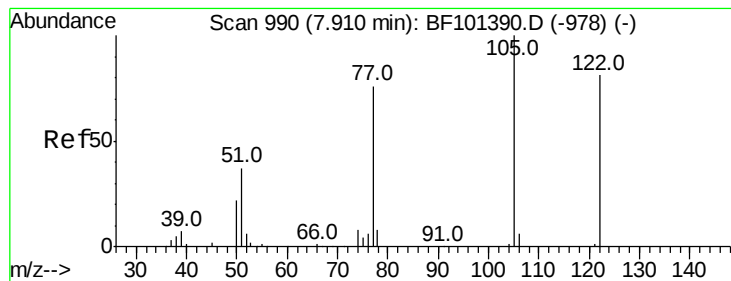


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.978 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.18 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

Instrument :

BNA_F

ClientSampleId :

WC-41446854-02

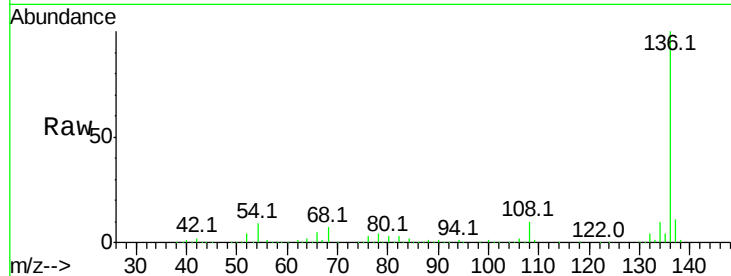
Tot Ion:122 Resp: 121

Ion Ratio Lower Upper

122 100

105 191.3 101.1 141.1#

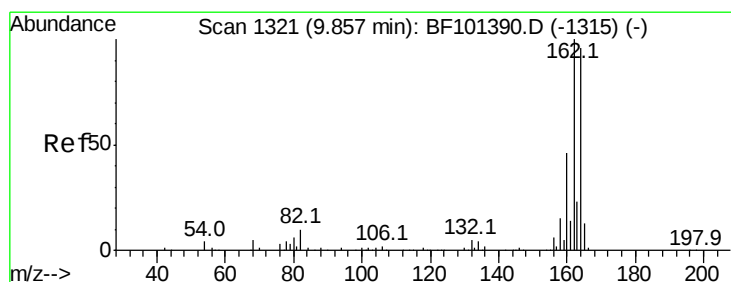
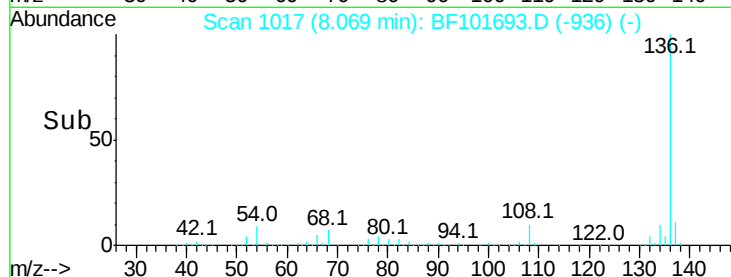
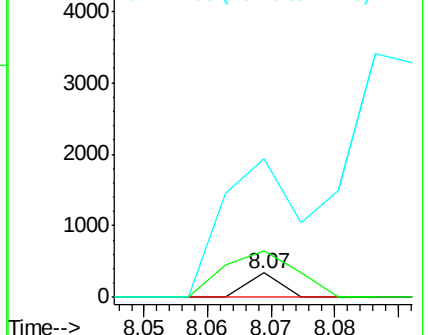
77 562.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

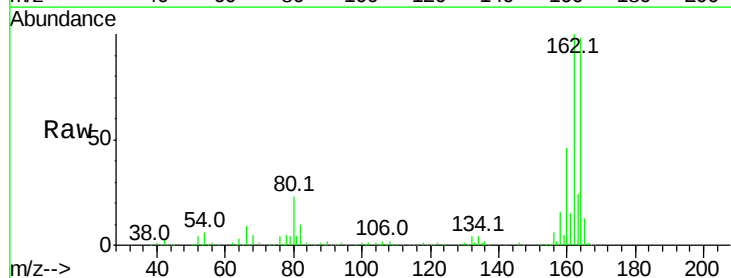
Tgt Ion:164 Resp: 263188

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

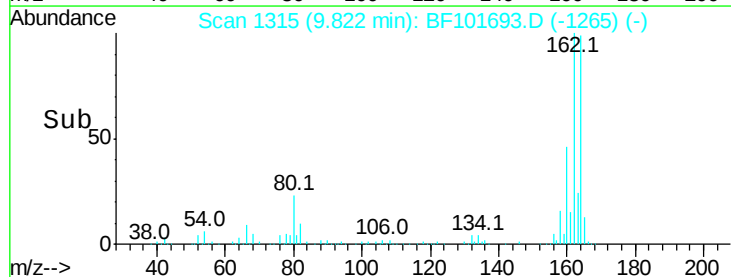
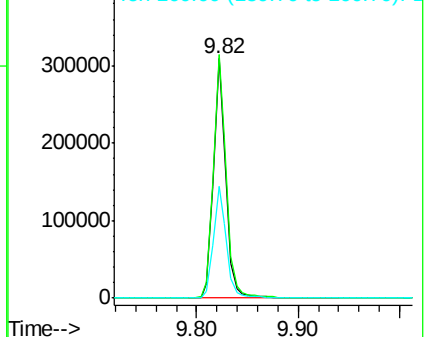
160 46.6 38.3 57.5

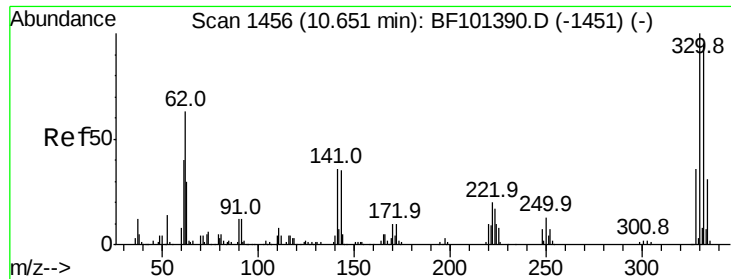


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

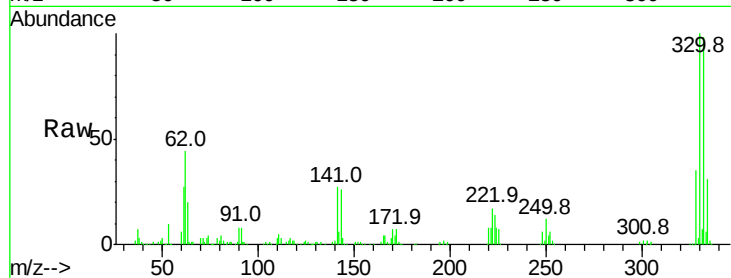




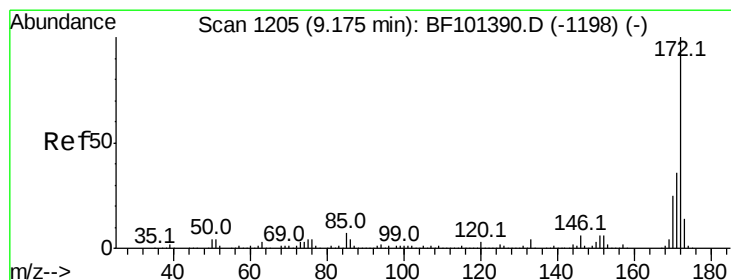
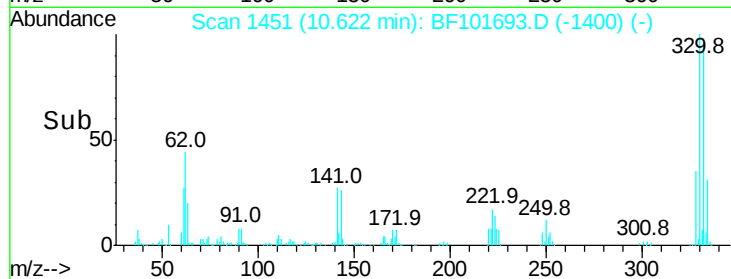
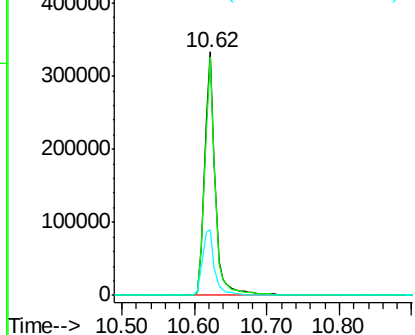
#41
 2,4,6-Tribromophenol
 Concen: 133.819 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101693.D
 Acq: 23 Dec 2017 10:23

Instrument :
 BNA_F
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 WC-41446854-02

Tot Ion:330 Resp: 339368
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 31.2 29.9 44.9

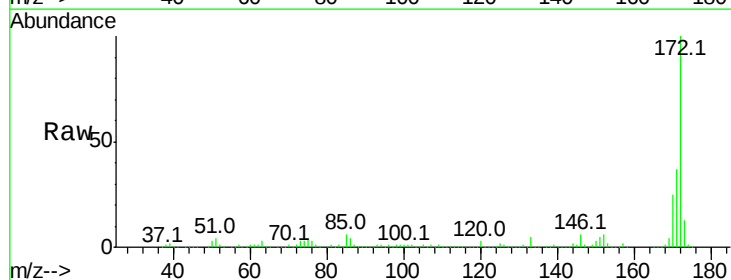


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

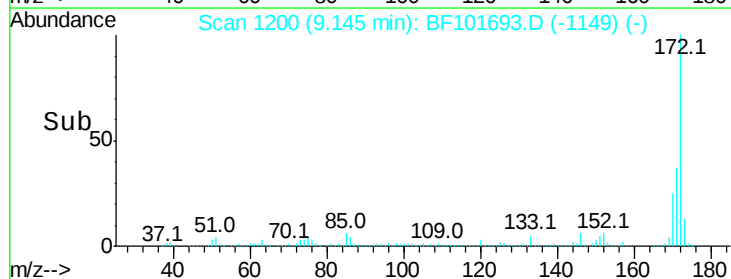
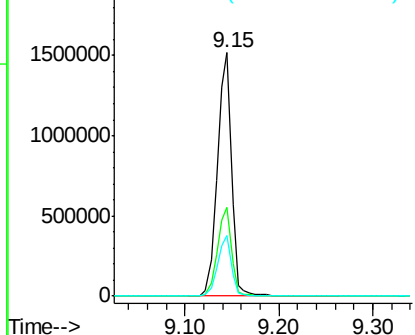


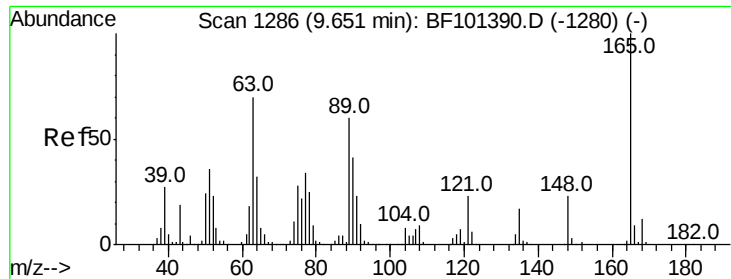
#44
 2-Fluorobiphenyl
 Concen: 94.848 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101693.D
 Acq: 23 Dec 2017 10:23

Tgt Ion:172 Resp: 1609223
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.7 19.6 29.4



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

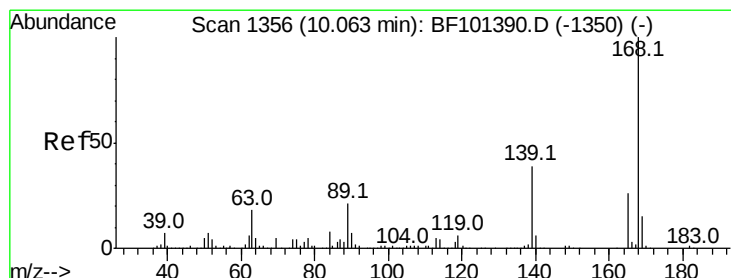
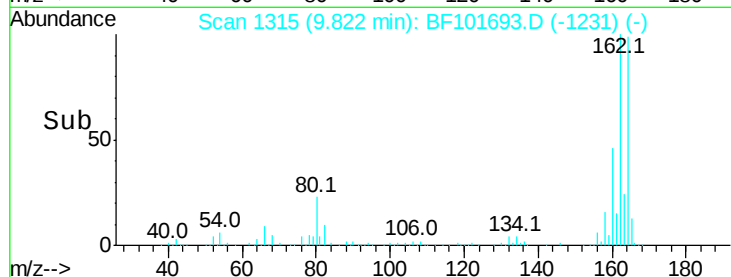
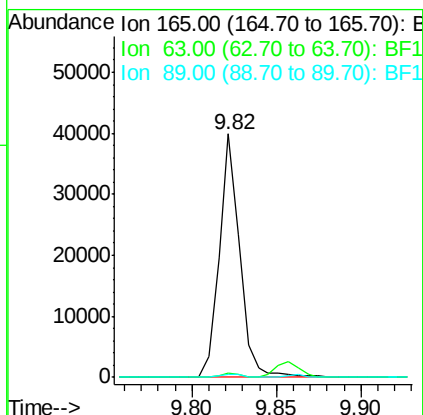
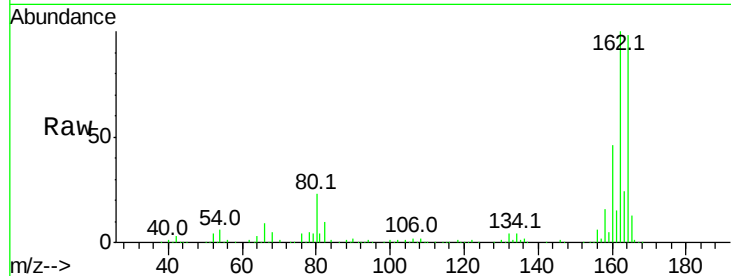




#50
 2,6-Dinitrotoluene
 Concen: 7.869 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101693.D
 Acq: 23 Dec 2017 10:23

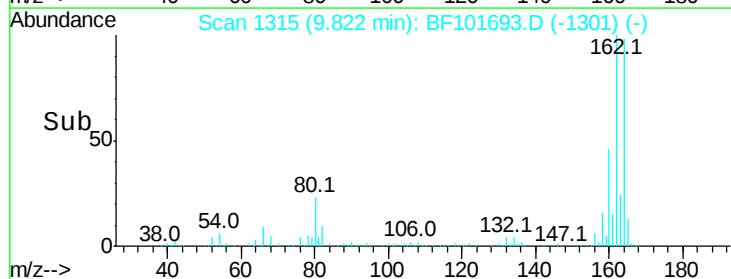
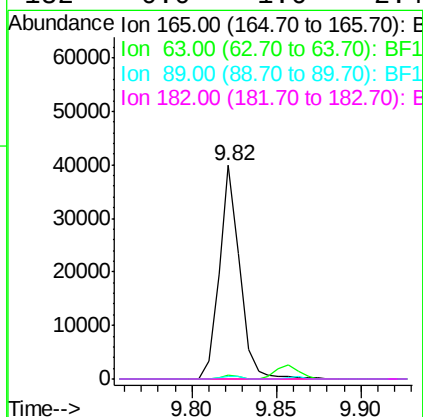
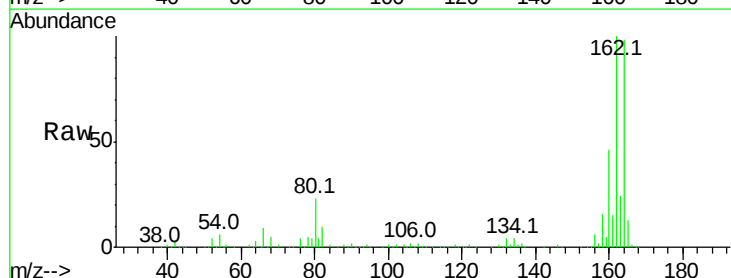
Instrument :
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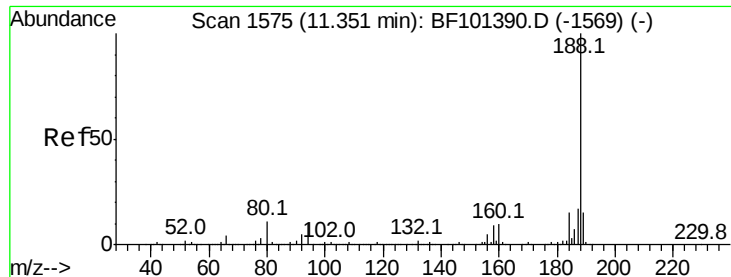
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.984 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101693.D
 Acq: 23 Dec 2017 10:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

Instrument :

BNA_F

ClientSampleId :

WC-41446854-02

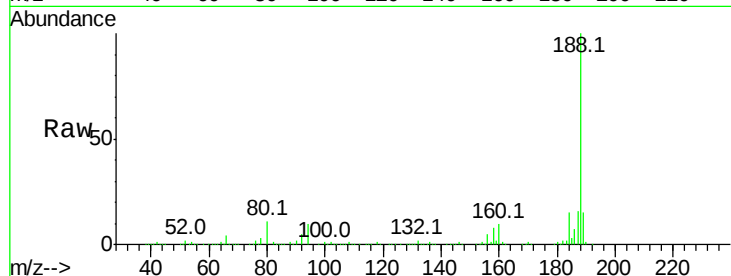
Tot Ion:188 Resp: 446707

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

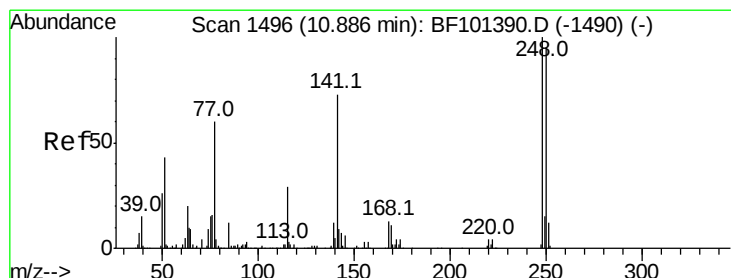
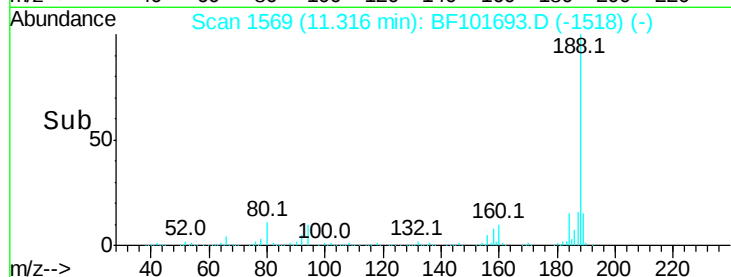
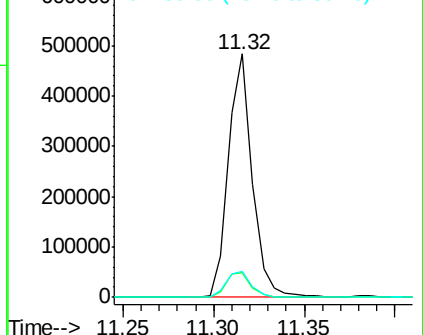
80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 4.078 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.24 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

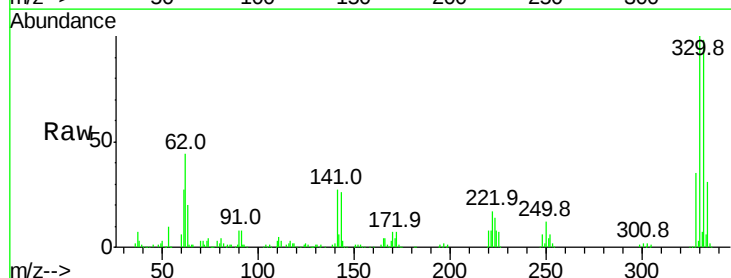
Tgt Ion:248 Resp: 20469

Ion Ratio Lower Upper

248 100

250 198.1 76.9 115.3#

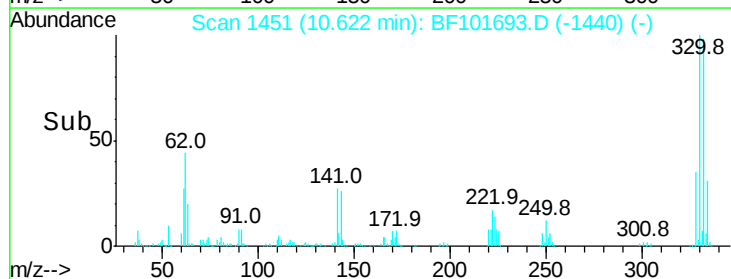
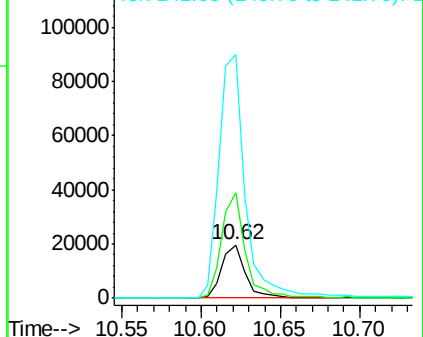
141 455.8 74.4 111.6#

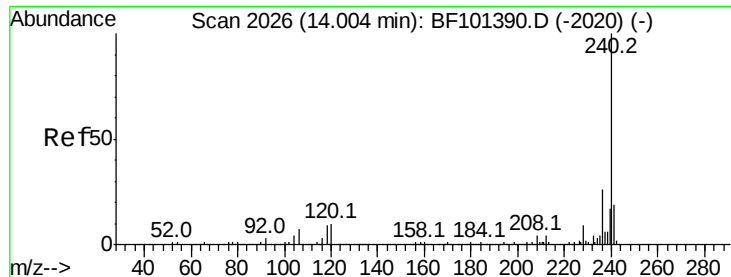


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

Instrument :

BNA_F

ClientSampleId :

WC-41446854-02

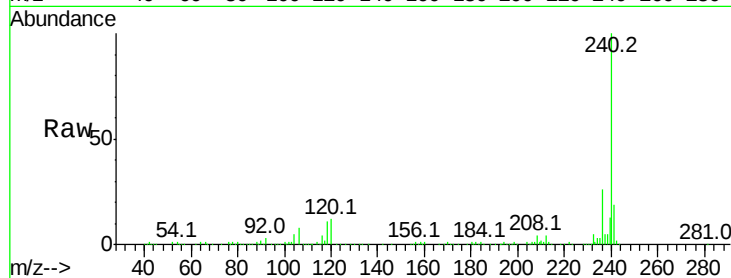
Tot Ion:240 Resp: 299492

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

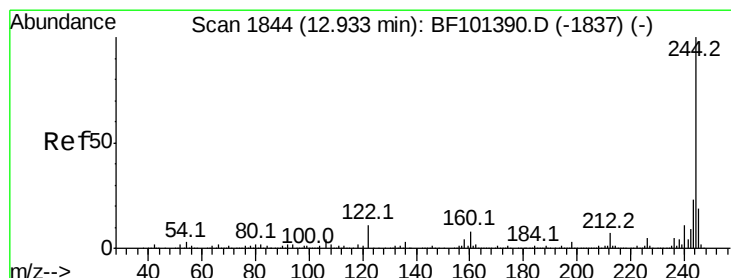
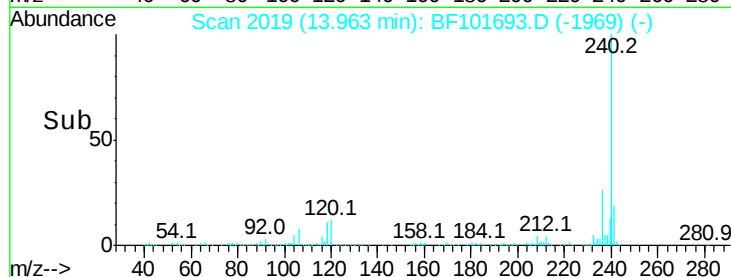
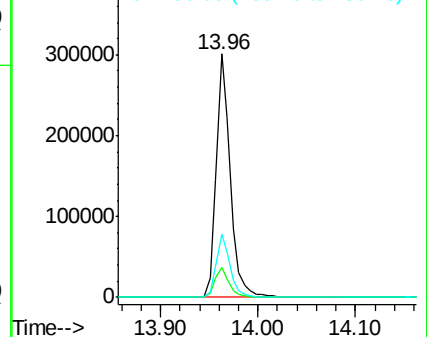
236 25.8 20.7 31.1



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: 105.847 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101693.D

Acq: 23 Dec 2017 10:23

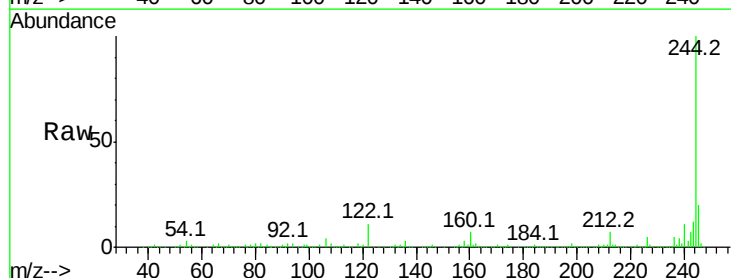
Tgt Ion:244 Resp: 1314949

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

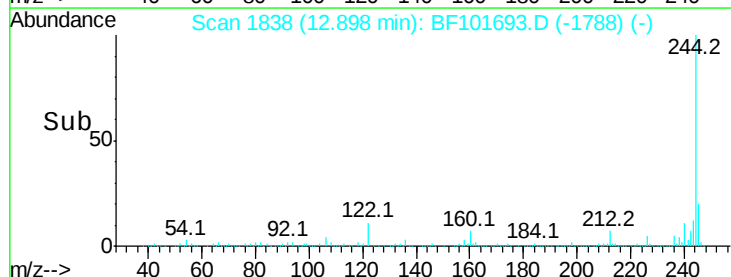
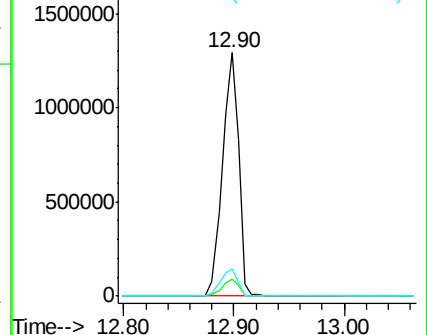
122 11.4 11.0 16.4

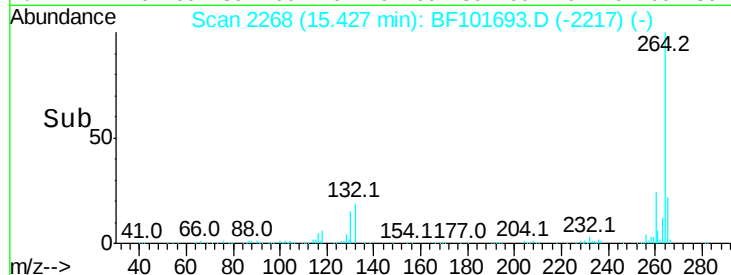
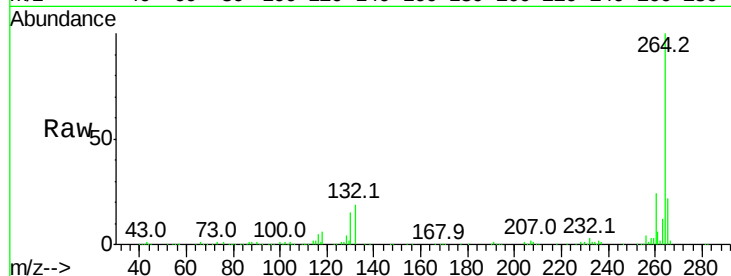
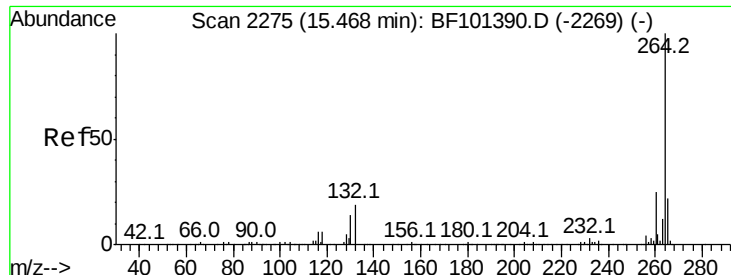


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101693.D
Acq: 23 Dec 2017 10:23

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

Tot Ion:	264	Resp:	279686
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.5	26.3

