

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101512.D
 Acq On : 19 Dec 2017 6:58
 Operator : SJ/JU
 Sample : I6910-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121317-TIDO-E-U-M

Quant Time: Dec 19 07:46:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

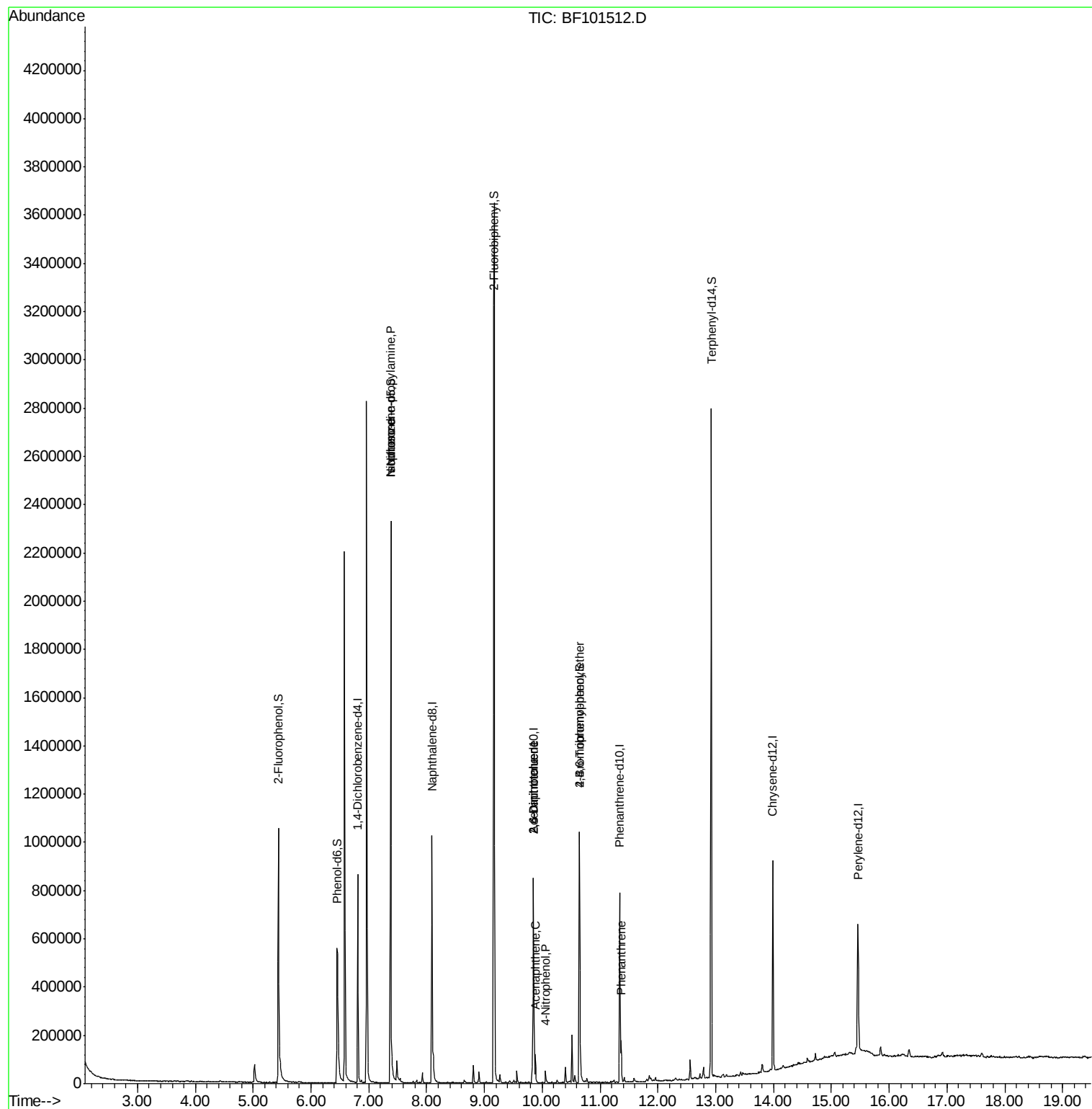
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	134834	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	491852	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	179121	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	276431	20.00	ng	0.00
75) Chrysene-d12	13.99	240	307848	20.00	ng	0.00
86) Perylene-d12	15.46	264	283737	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	388615	42.93	ng	0.01
7) Phenol-d6	6.45	99	276461	24.54	ng	0.00
23) Nitrobenzene-d5	7.38	82	795154	89.99	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	148660	86.13	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1250654	108.31	ng	0.00
78) Terphenyl-d14	12.92	244	966555	75.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	105924	14.32	ng	# 82
25) Isophorone	7.38	82	795222	44.86	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	22705	7.75	ng	# 26
51) Acenaphthene	9.88	154	23077	2.00	ng	# 95
55) 4-Nitrophenol	10.06	139	8322	5.23	ng	# 9
56) 2,4-Dinitrotoluene	9.85	165	22705	6.88	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	9437	3.04	ng	# 1
70) Phenanthrene	11.36	178	60716	3.95	ng	# 97

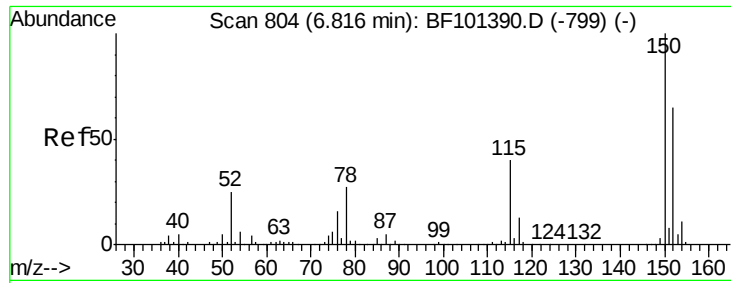
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-U-M

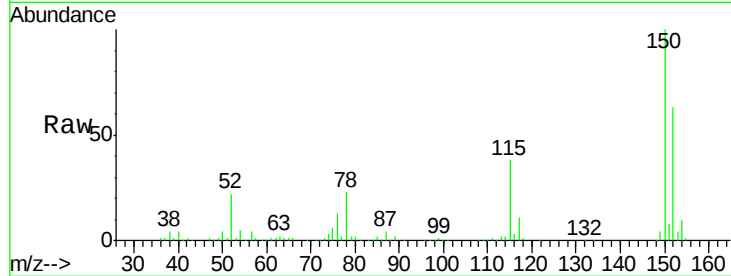
Tot Ion:152 Resp: 134834

Ion Ratio Lower Upper

152 100

150 157.7 124.6 186.8

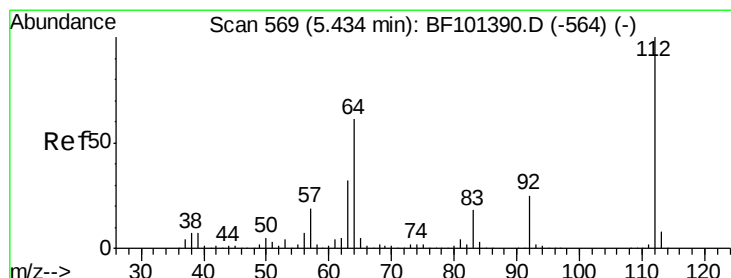
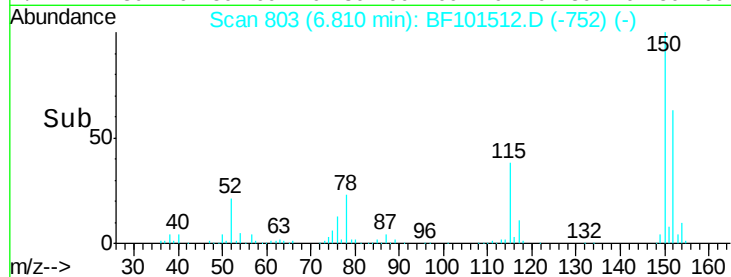
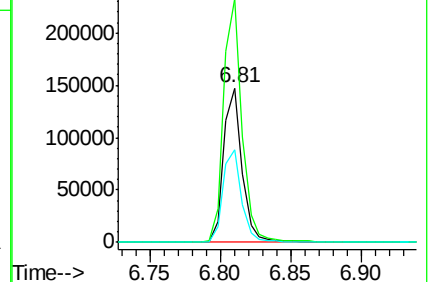
115 60.0 50.1 75.1



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



#5

2-Fluorophenol

Concen: 42.93 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

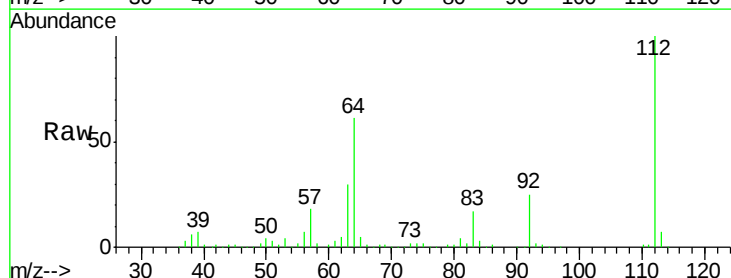
Tgt Ion:112 Resp: 388615

Ion Ratio Lower Upper

112 100

64 60.5 47.9 71.9

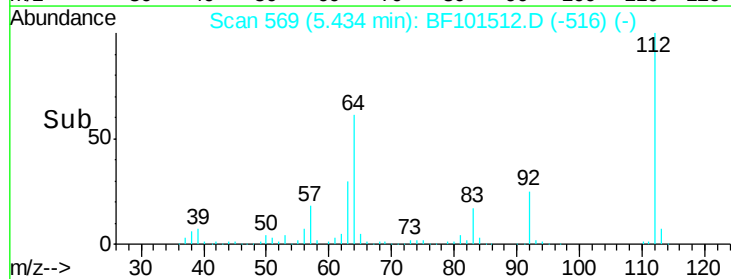
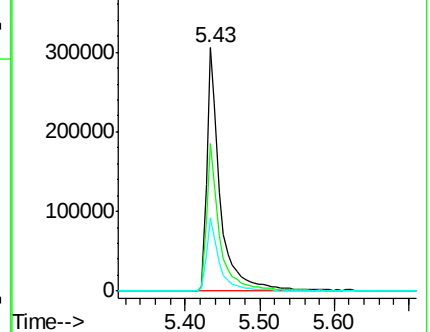
63 30.4 23.7 35.5

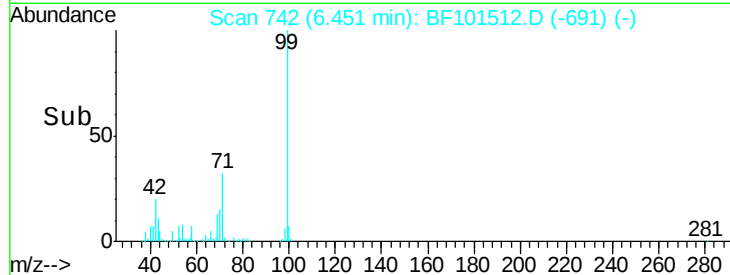
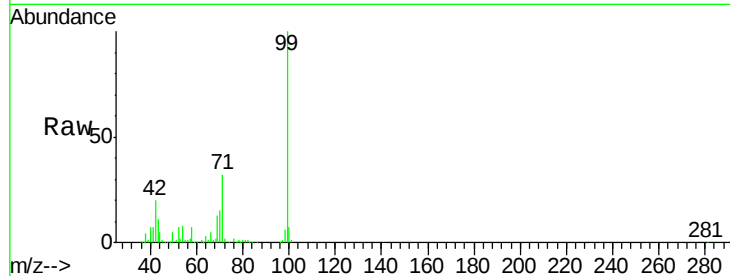
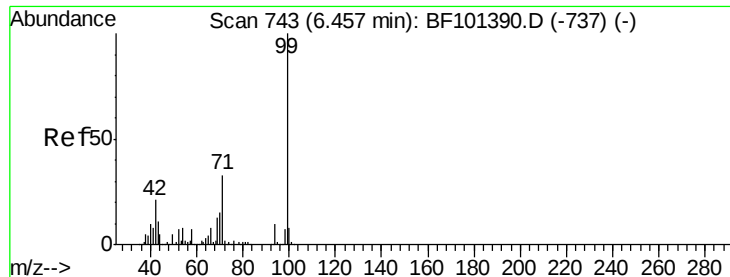


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.54 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-U-M

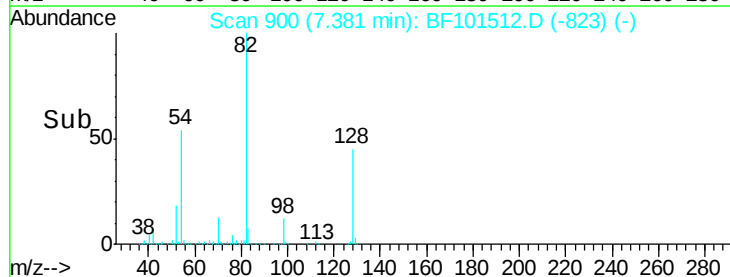
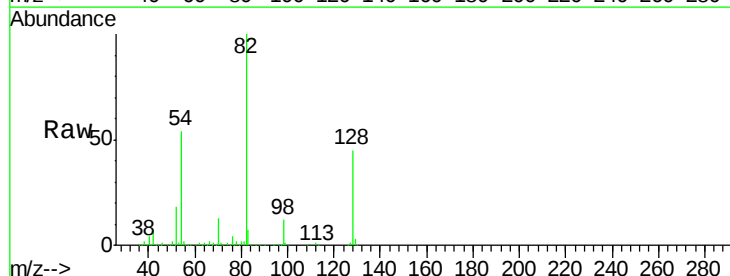
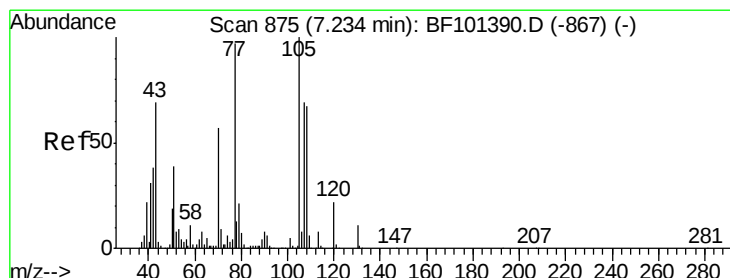
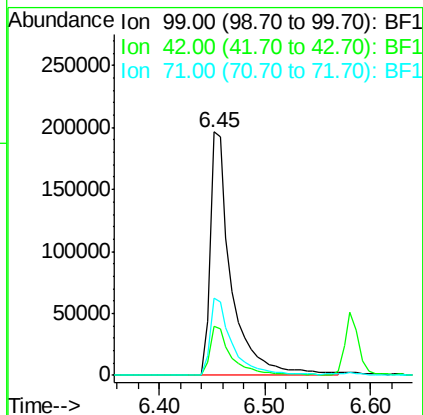
Tot Ion: 99 Resp: 276461

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.32 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

Tgt Ion: 70 Resp: 105924

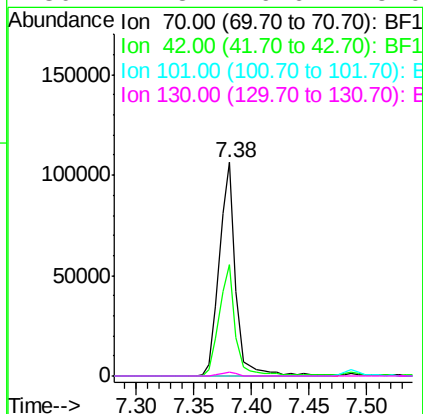
Ion Ratio Lower Upper

70 100

42 52.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

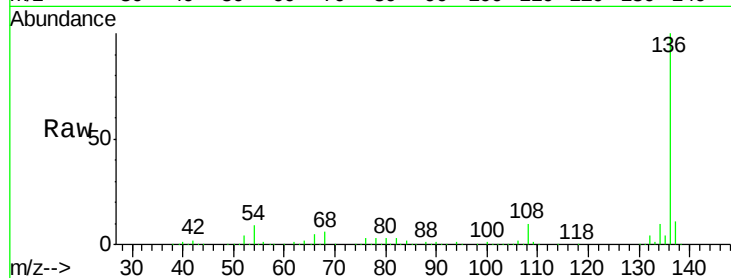




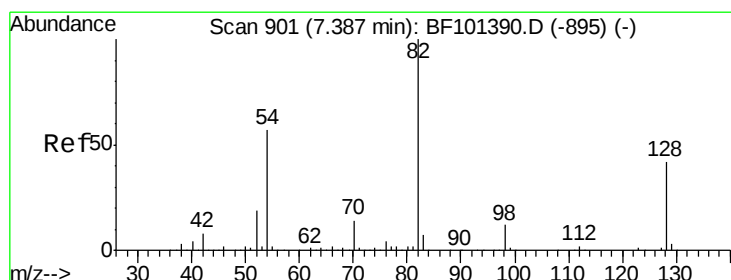
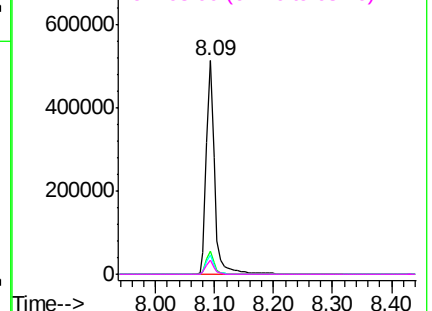
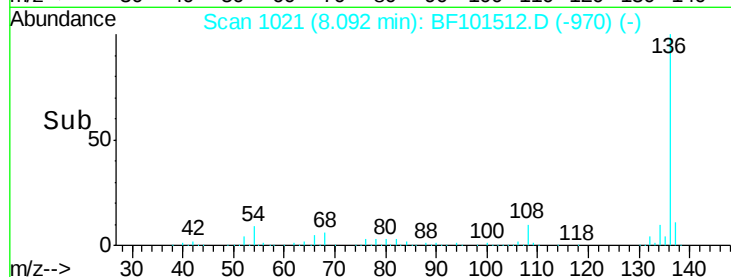
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101512.D
Acq: 19 Dec 2017 6:58

Instrument :
BNA_F
ClientSampleId :
121317-TIDO-E-U-M

Tot Ion:	136	Resp:	491852
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.7	6.6	9.8
68	6.5	5.0	7.4

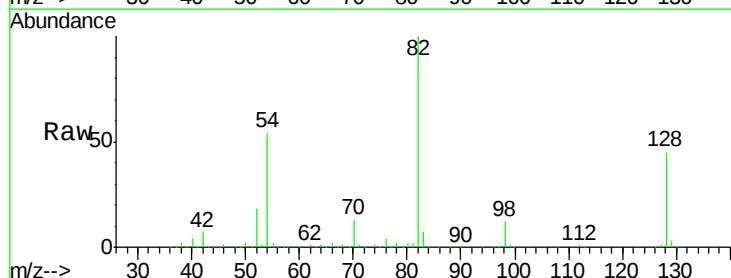


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

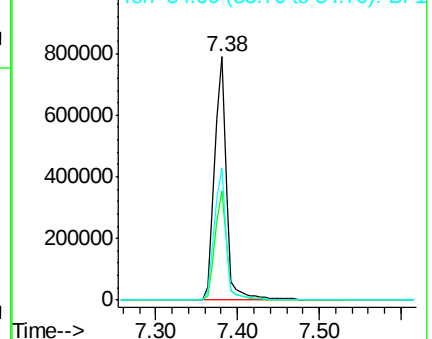
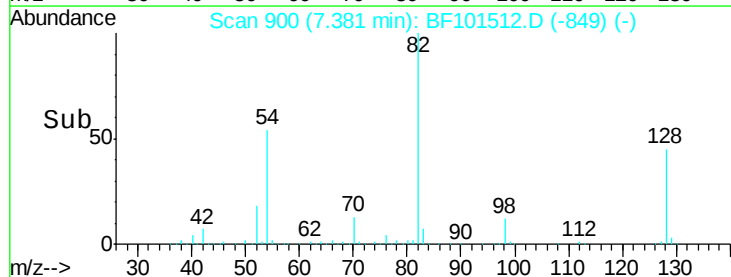


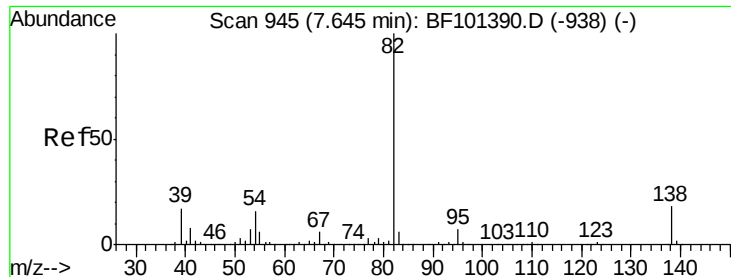
#23
Nitrobenzene-d5
Concen: 89.99 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF101512.D
Acq: 19 Dec 2017 6:58

Tgt Ion:	82	Resp:	795154
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	54.1	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: 44.86 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-U-M

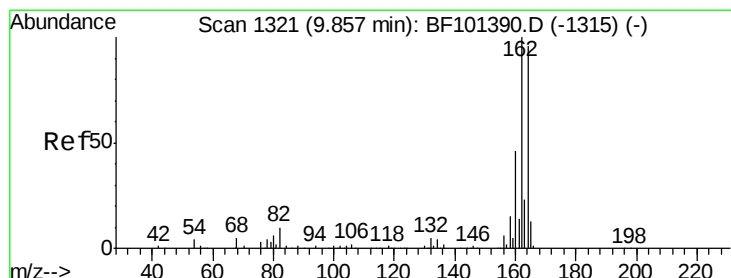
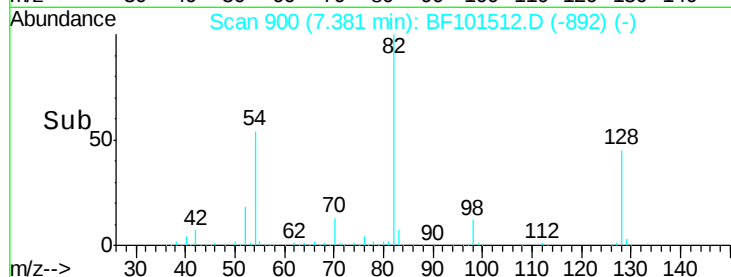
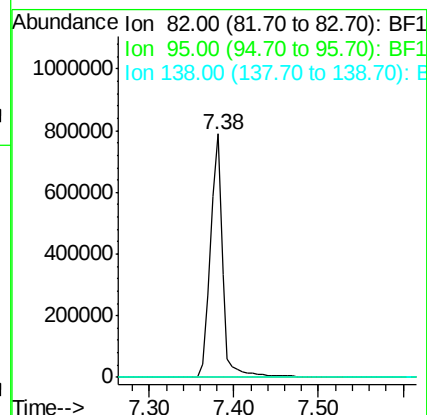
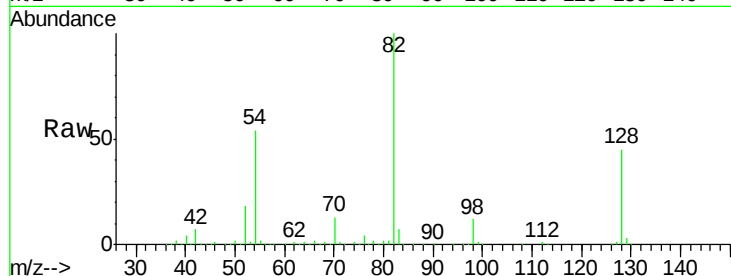
Tot Ion: 82 Resp: 795222

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

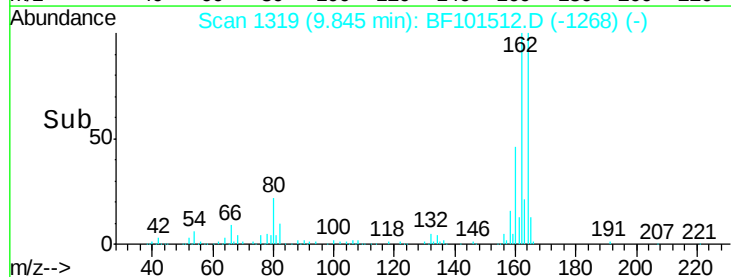
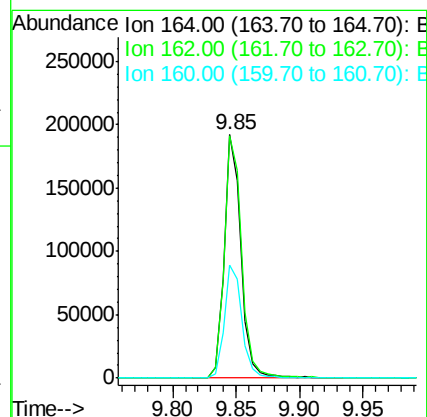
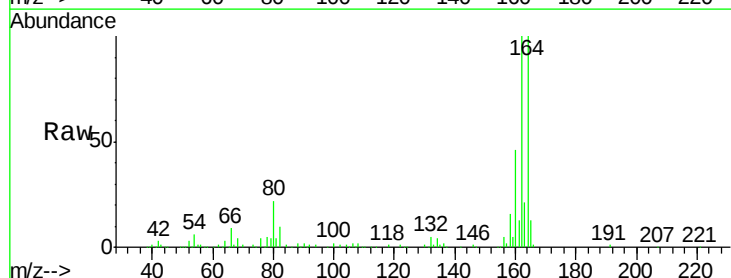
Tgt Ion: 164 Resp: 179121

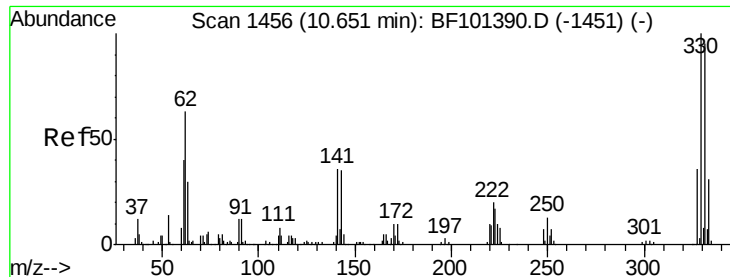
Ion Ratio Lower Upper

164 100

162 99.6 86.1 129.1

160 46.4 38.3 57.5

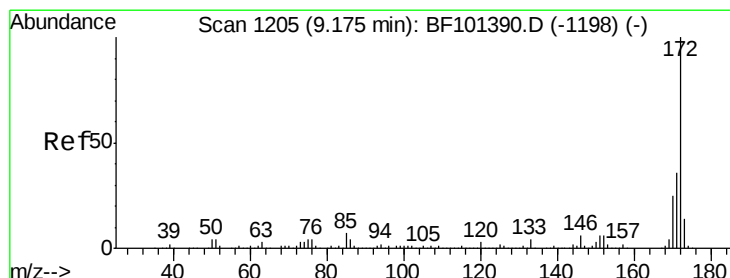
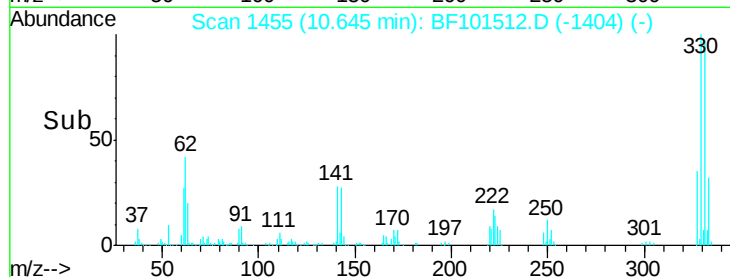
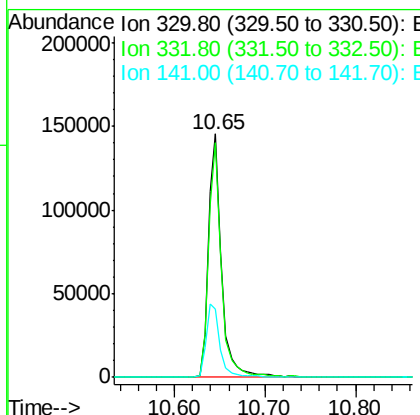
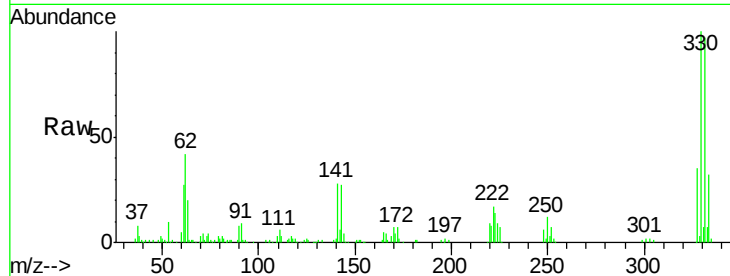




#41
 2,4,6-Tribromophenol
 Concen: 86.13 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101512.D
 Acq: 19 Dec 2017 6:58

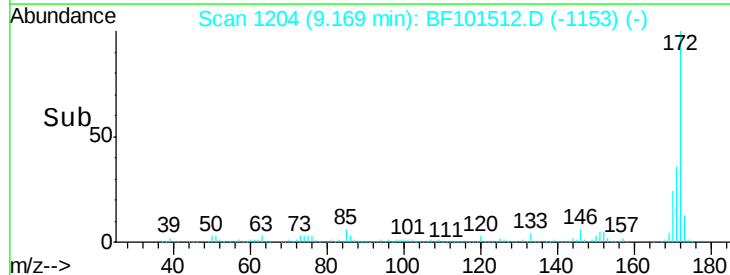
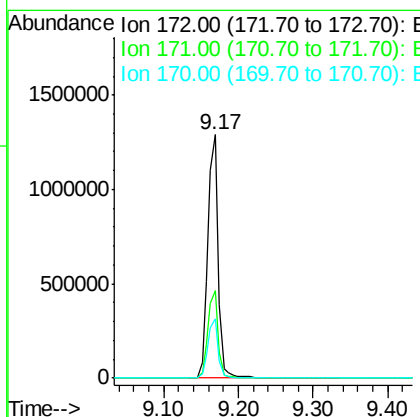
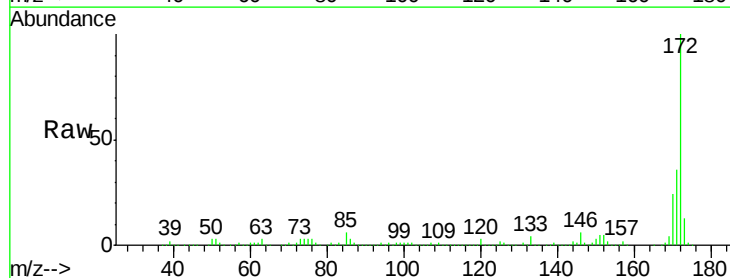
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 121317-TIDO-E-U-M

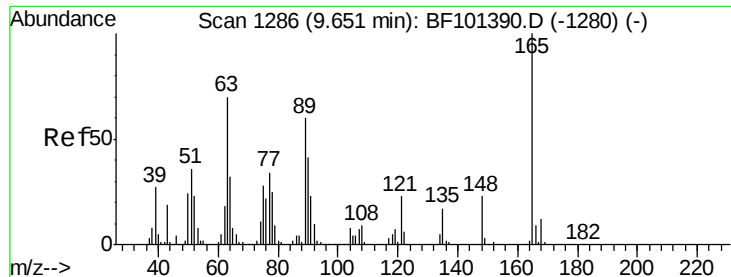
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	31.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 108.31 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF101512.D
 Acq: 19 Dec 2017 6:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.4	19.6	29.4

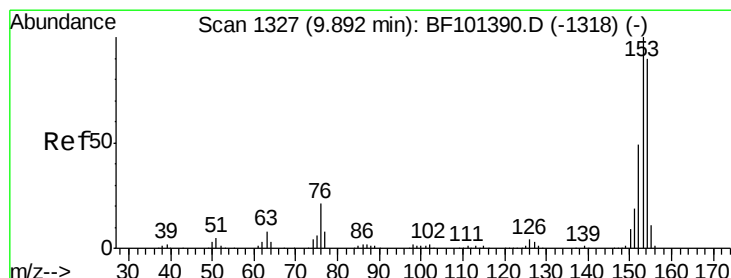
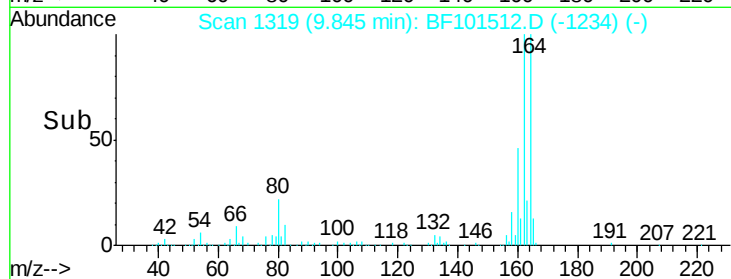
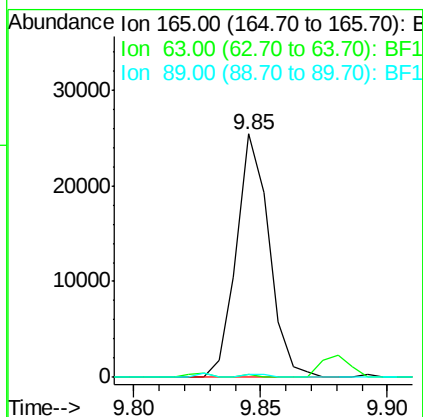
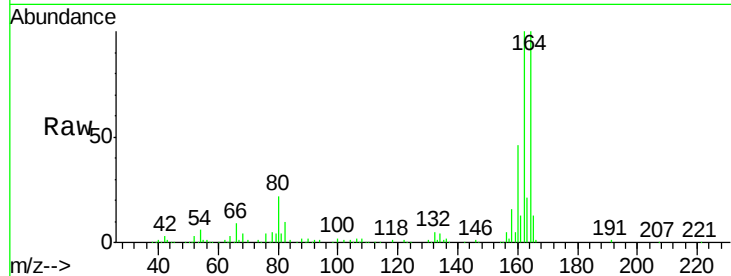




#50
2,6-Dinitrotoluene
Concen: 7.75 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101512.D
Acq: 19 Dec 2017 6:58

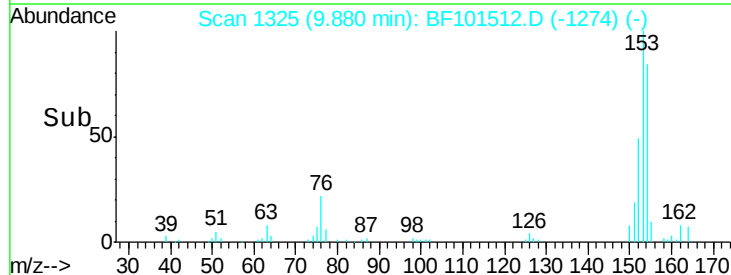
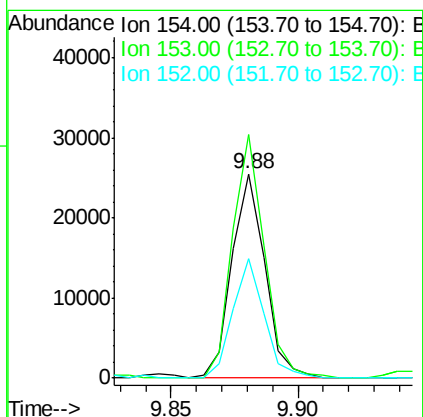
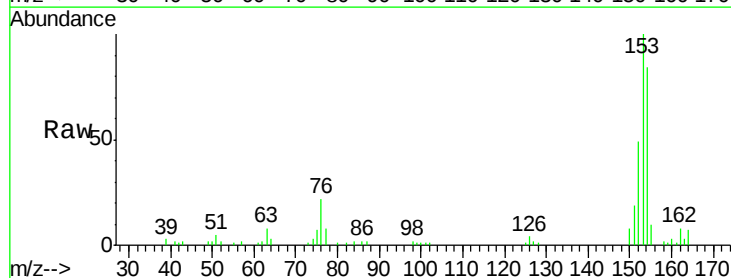
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ClientSampleId :
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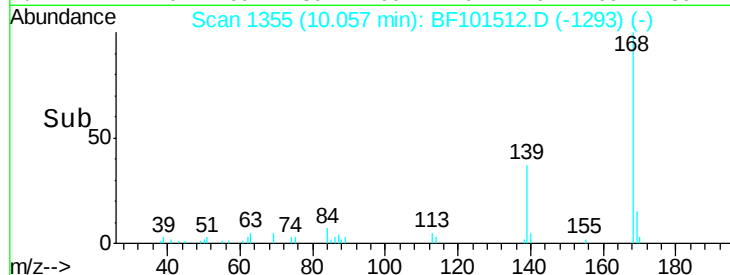
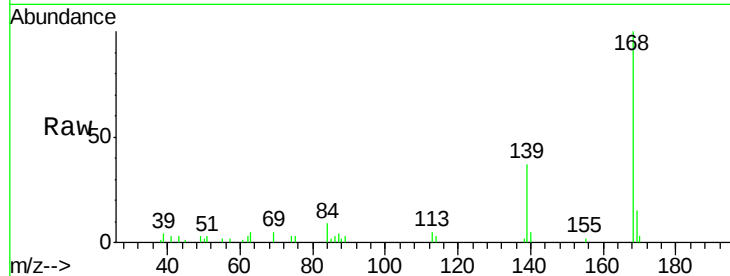
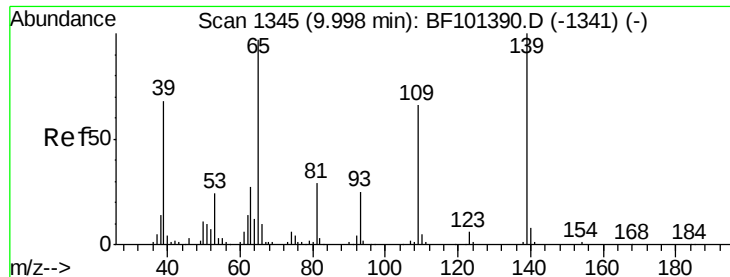
Tot Ion:165 Resp: 22705
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.5 44.0 66.0#



#51
Acenaphthene
Concen: 2.00 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF101512.D
Acq: 19 Dec 2017 6:58

Tgt Ion:154 Resp: 23077
Ion Ratio Lower Upper
154 100
153 119.2 91.2 136.8
152 58.3 43.8 65.8

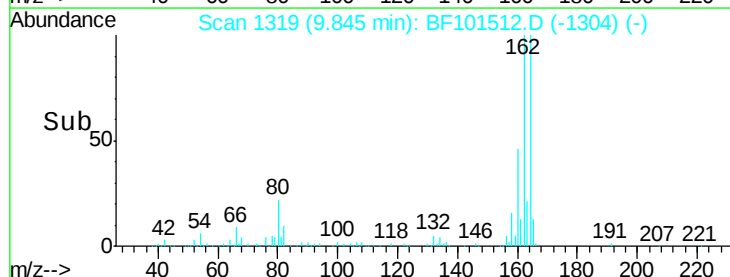
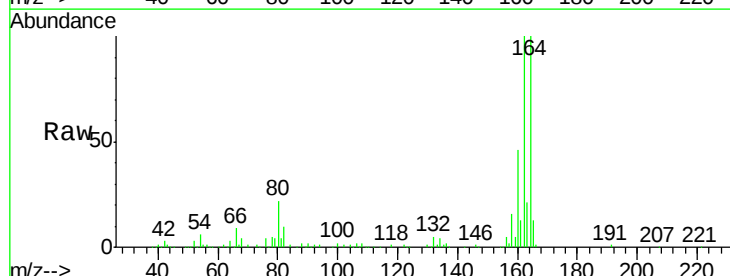
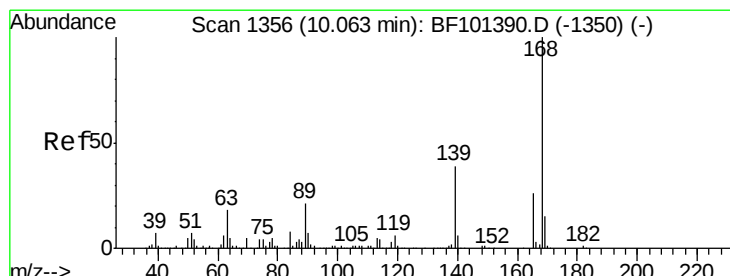
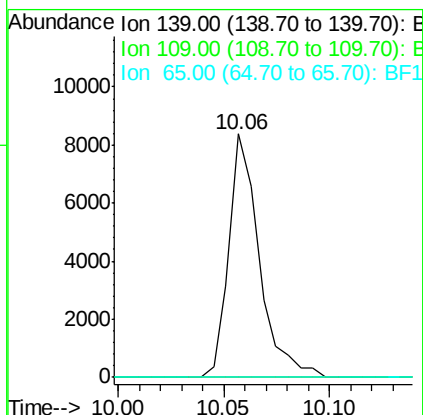




#55
4-Nitrophenol
Concen: 5.23 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.06 min
Lab File: BF101512.D
Acq: 19 Dec 2017 6:58

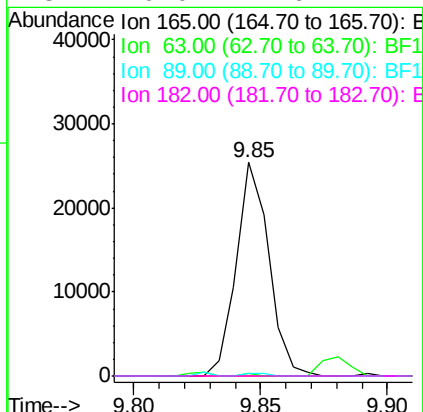
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121317-TIDO-E-U-M

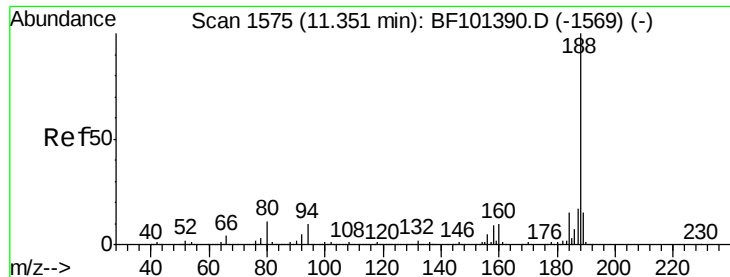
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



#56
2,4-Dinitrotoluene
Concen: 6.88 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101512.D
Acq: 19 Dec 2017 6:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-U-M

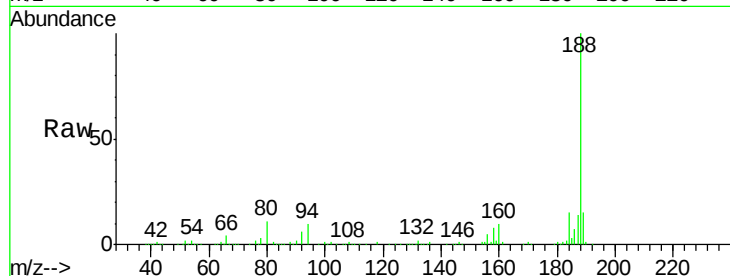
Tot Ion:188 Resp: 276431

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

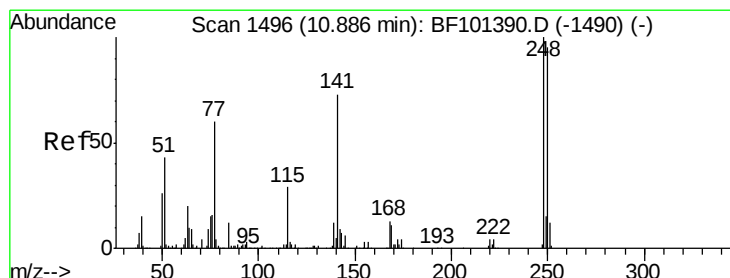
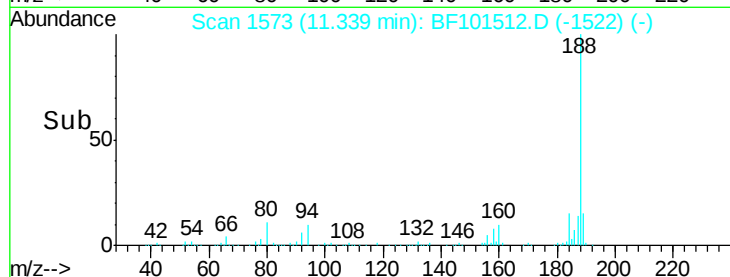
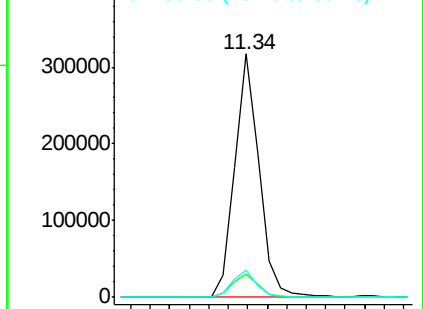
80 11.2 9.2 13.8



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: 3.04 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.23 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

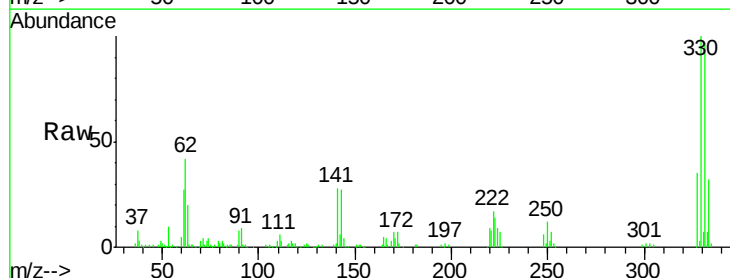
Tgt Ion:248 Resp: 9437

Ion Ratio Lower Upper

248 100

250 202.9 76.9 115.3#

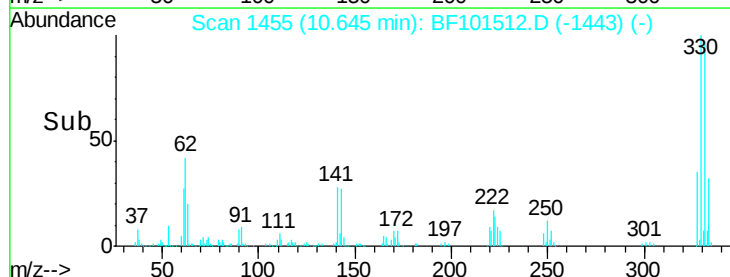
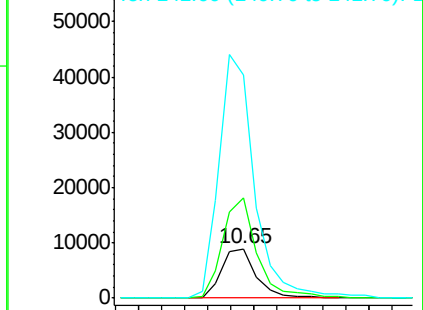
141 453.4 74.4 111.6#

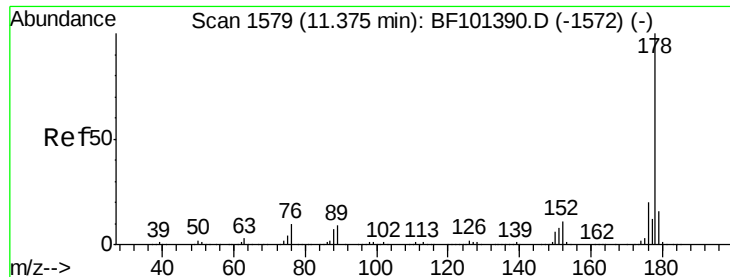


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.95 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-U-M

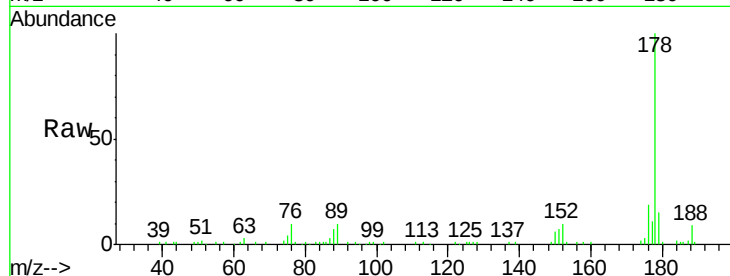
Tot Ion:178 Resp: 60716

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

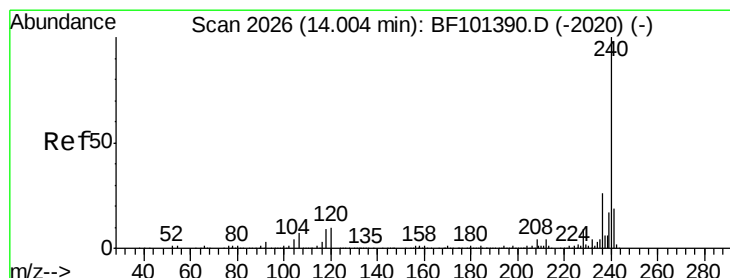
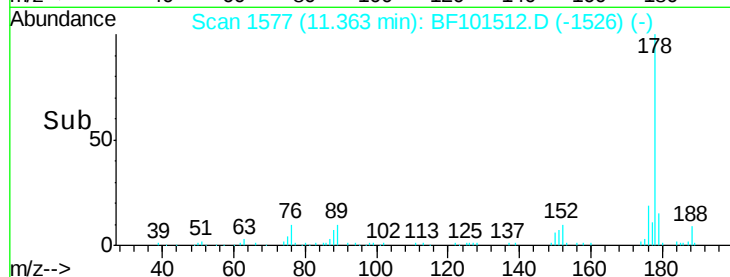
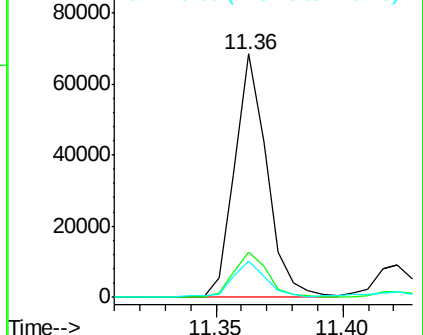
179 14.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

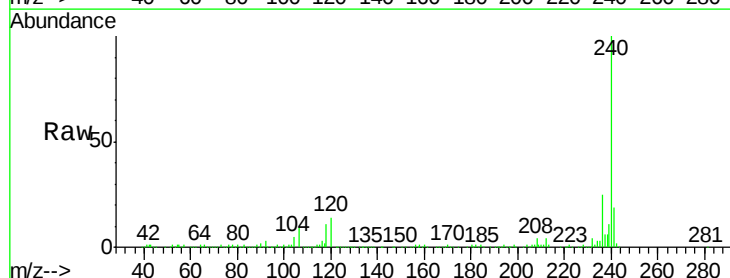
Tgt Ion:240 Resp: 307848

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

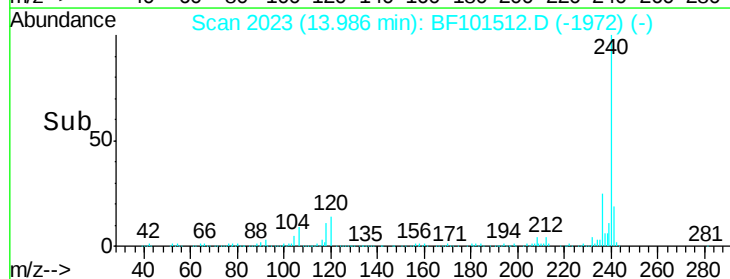
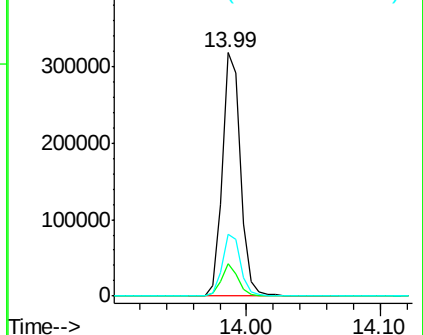
236 25.4 20.7 31.1

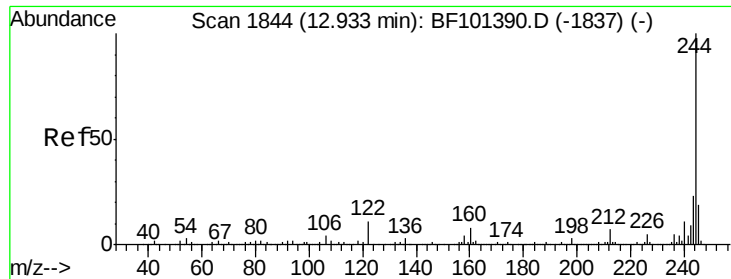


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.69 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-U-M

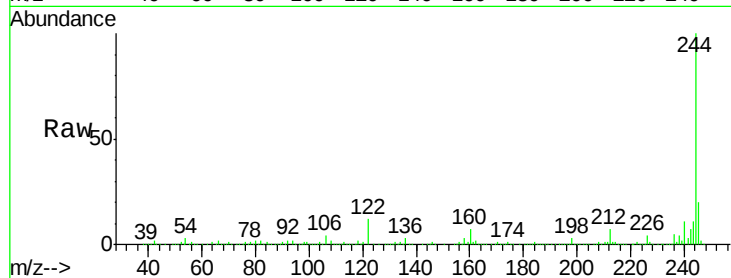
Tot Ion:244 Resp: 966555

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

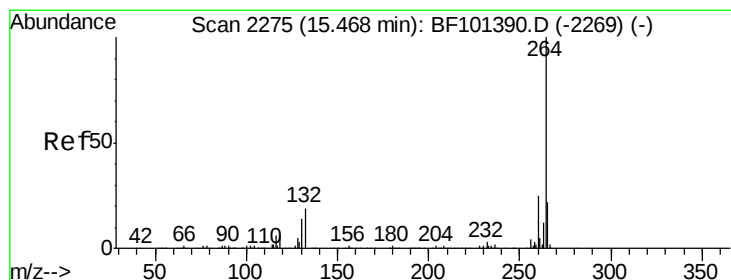
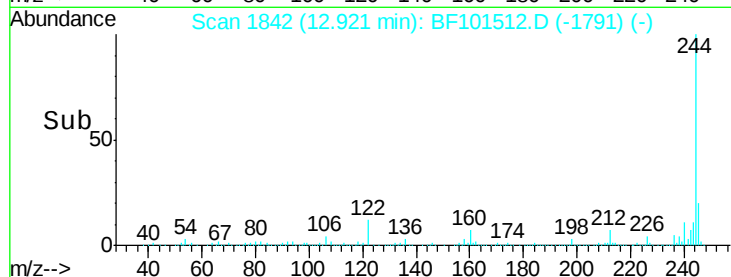
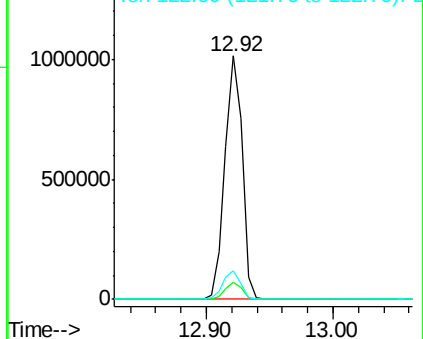
122 11.9 11.0 16.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF101512.D

Acq: 19 Dec 2017 6:58

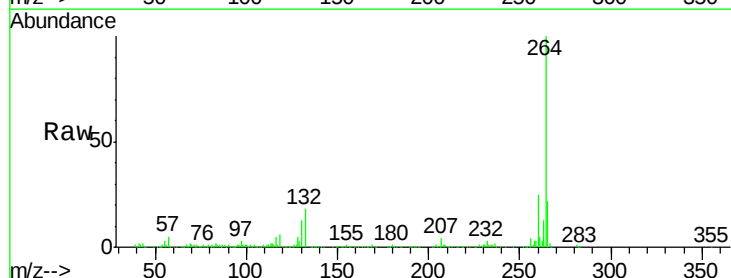
Tgt Ion:264 Resp: 283737

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

