

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101511.D
 Acq On : 19 Dec 2017 6:31
 Operator : SJ/JU
 Sample : I6910-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Dec 19 07:07:53 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

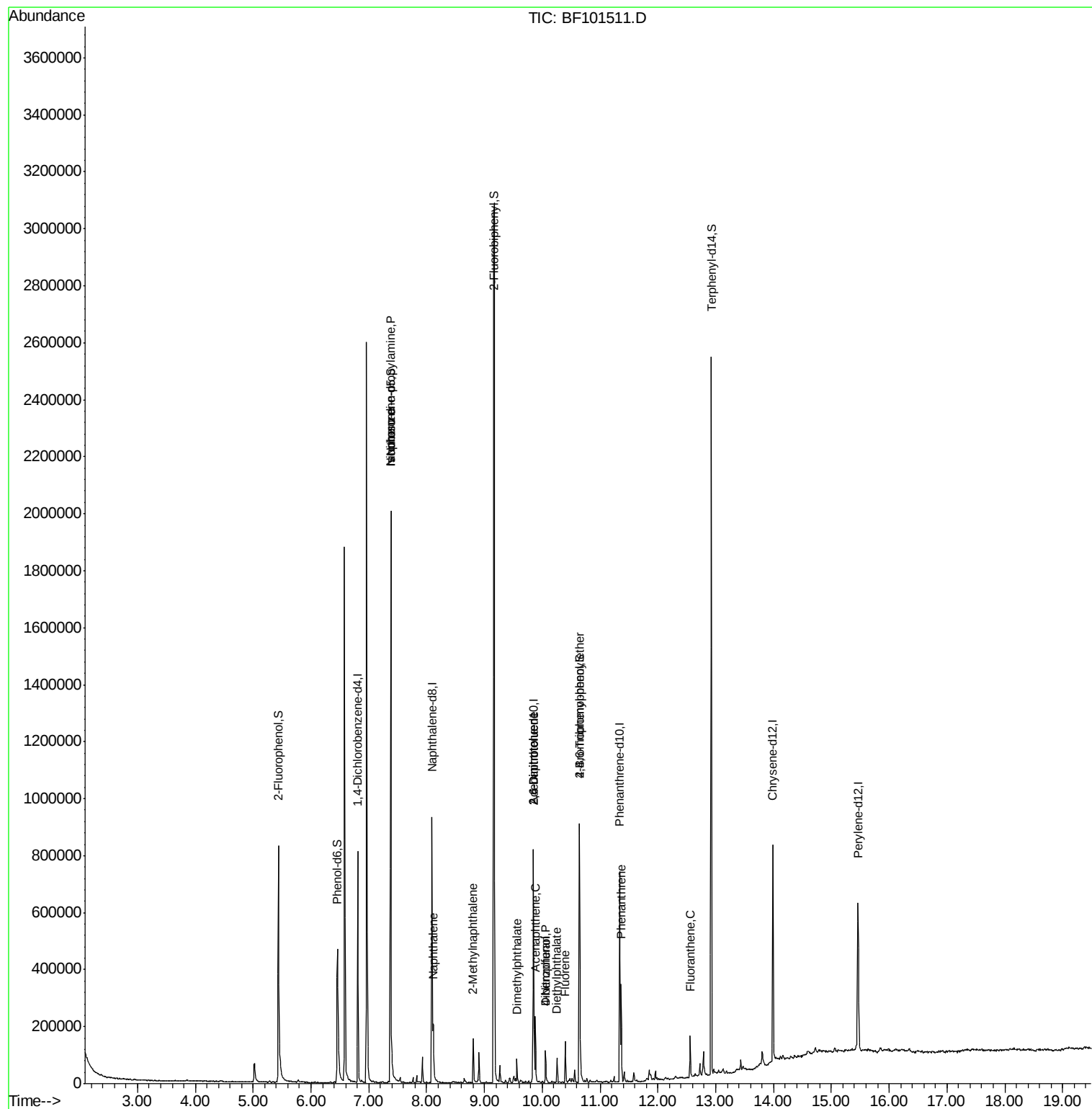
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	123789	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	440147	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	157128	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	256266	20.00	ng	0.00
75) Chrysene-d12	13.99	240	284611	20.00	ng	0.00
86) Perylene-d12	15.46	264	260252	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	317412	38.19	ng	0.01
7) Phenol-d6	6.46	99	224328	21.69	ng	0.00
23) Nitrobenzene-d5	7.38	82	699133	88.42	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	130133	85.95	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1097112	108.31	ng	0.00
78) Terphenyl-d14	12.92	244	896399	75.93	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	91657	13.49	ng	# 79
25) Isophorone	7.38	82	699130	44.08	ng	# 64
31) Naphthalene	8.12	128	88600	4.00	ng	99
37) 2-Methylnaphthalene	8.81	142	51170	3.54	ng	94
49) Dimethylphthalate	9.56	163	35443	2.80	ng	99
50) 2,6-Dinitrotoluene	9.85	165	20713	8.06	ng	# 25
51) Acenaphthene	9.88	154	50227	4.96	ng	98
54) Dibenzofuran	10.06	168	48352	3.76	ng	98
55) 4-Nitrophenol	10.06	139	17236	12.34	ng	# 9
56) 2,4-Dinitrotoluene	9.85	165	20713	7.16	ng	# 22
57) Fluorene	10.40	166	41760	3.84	ng	98
59) Diethylphthalate	10.26	149	28838	2.30	ng	99
66) 4-Bromophenyl-phenylether	10.65	248	7701	2.67	ng	# 1
70) Phenanthrene	11.36	178	123287	8.65	ng	97
74) Fluoranthene	12.56	202	56182	3.76	ng	98

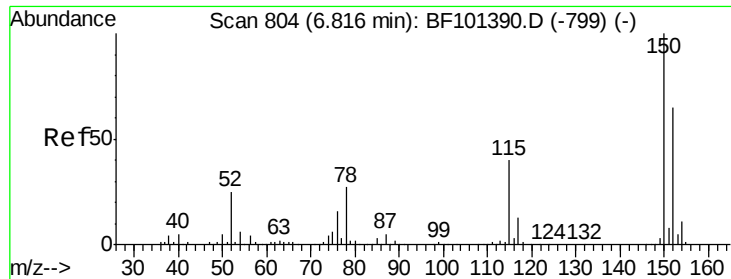
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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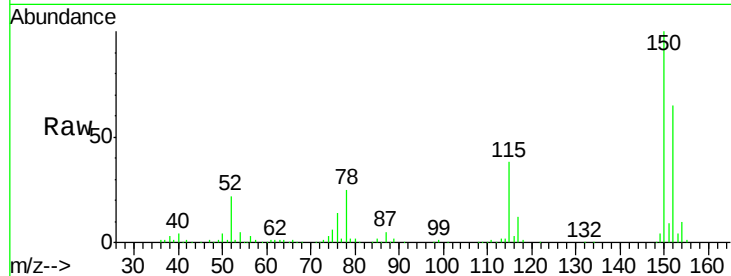


#1

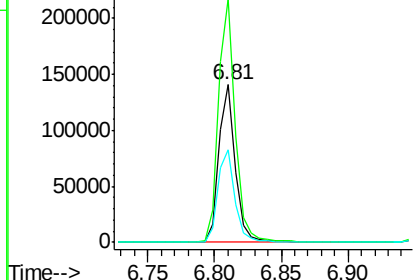
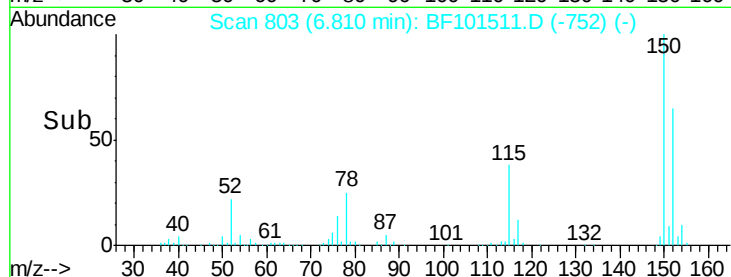
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	58.9	50.1	75.1



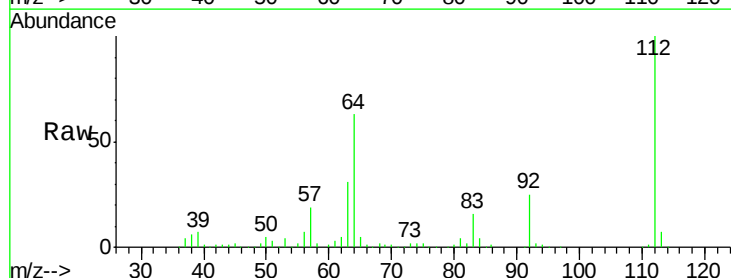
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



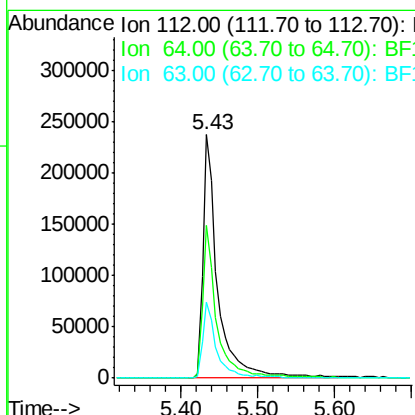
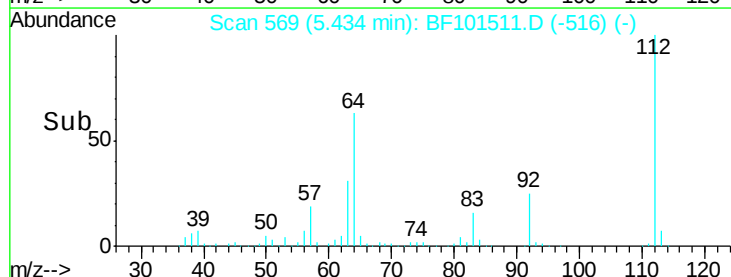
#5

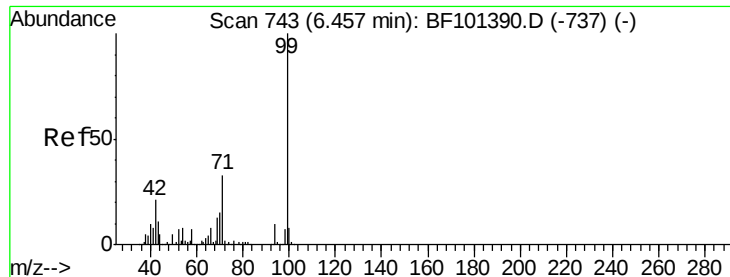
2-Fluorophenol
Concen: 38.19 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.9	71.9
63	31.0	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: 21.69 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-D-M

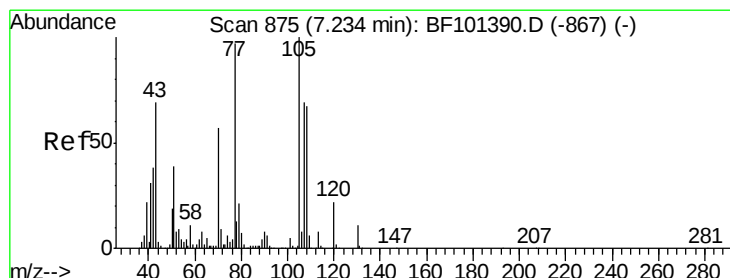
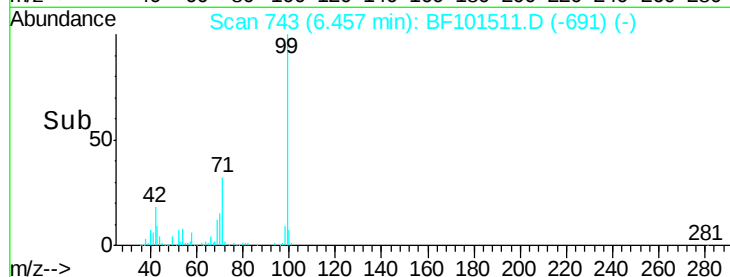
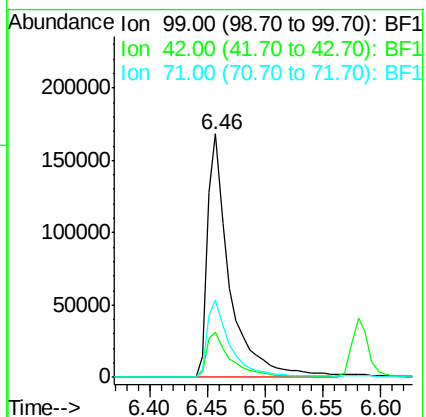
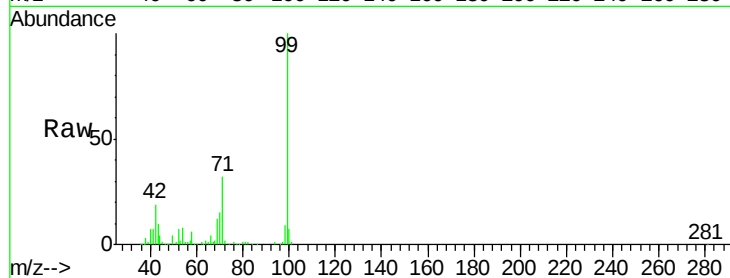
Tot Ion: 99 Resp: 224328

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.49 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

Tgt Ion: 70 Resp: 91657

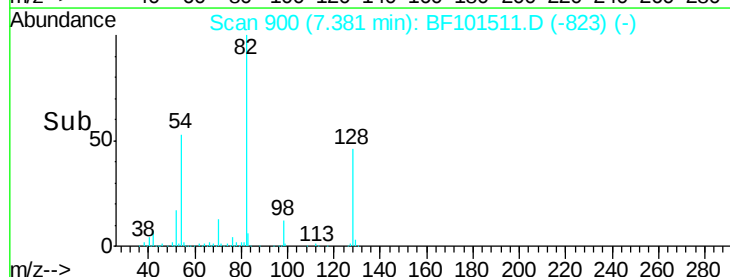
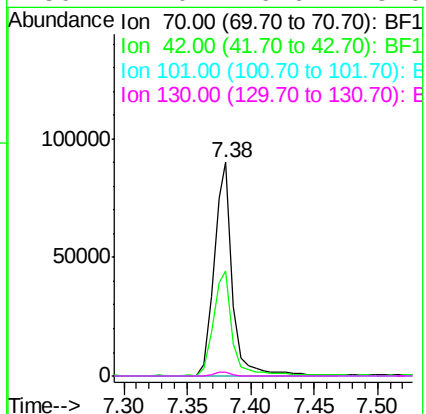
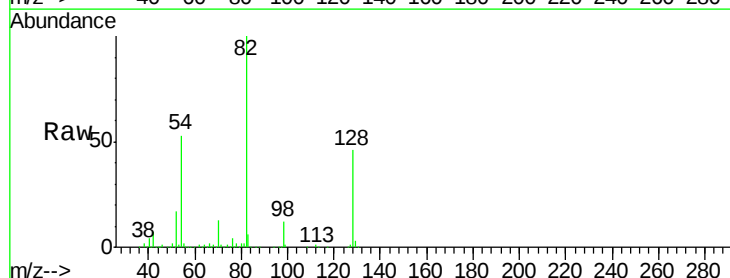
Ion Ratio Lower Upper

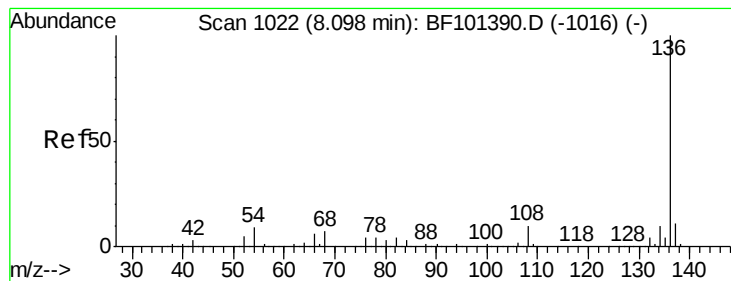
70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 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: BF101511.D

Acq: 19 Dec 2017 6:31

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-D-M

Tot Ion:136 Resp: 440147

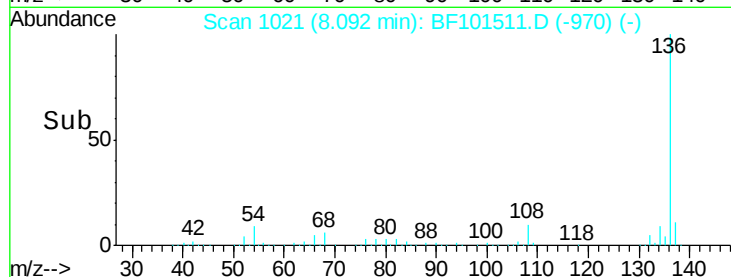
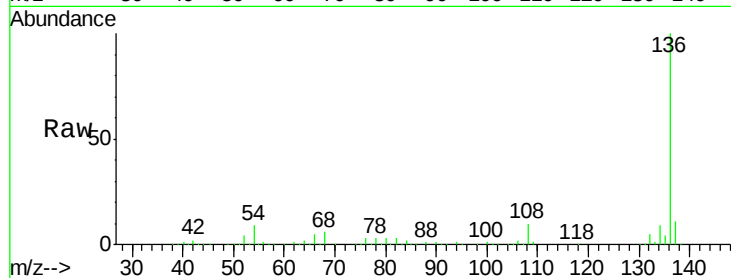
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.5 6.6 9.8

68 6.0 5.0 7.4

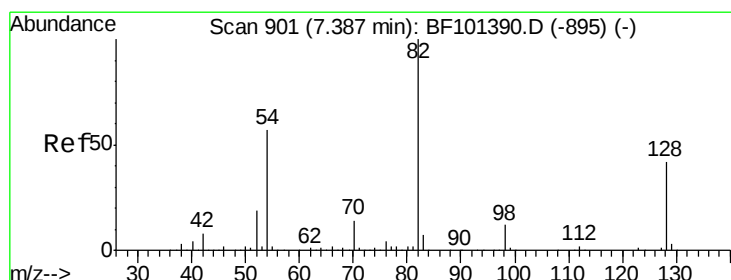
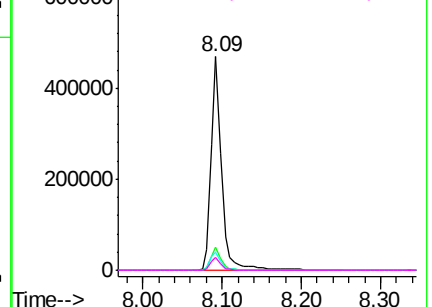


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.42 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

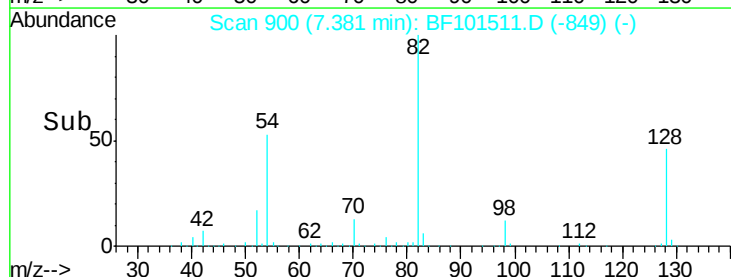
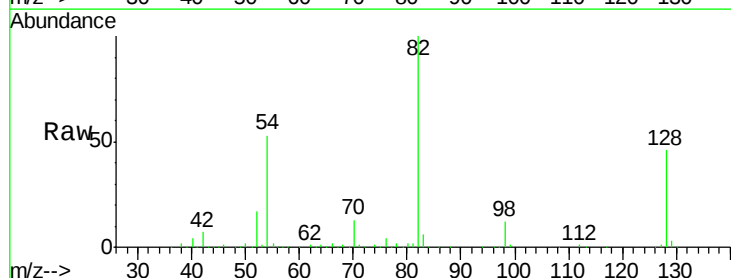
Tgt Ion: 82 Resp: 699133

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

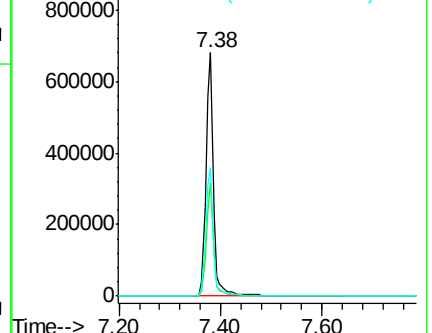
54 52.9 41.4 62.2

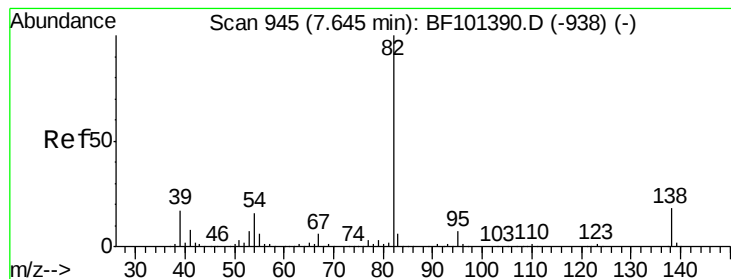


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.08 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-D-M

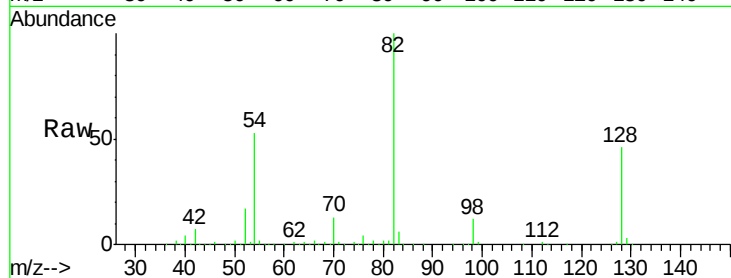
Tot Ion: 82 Resp: 699130

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

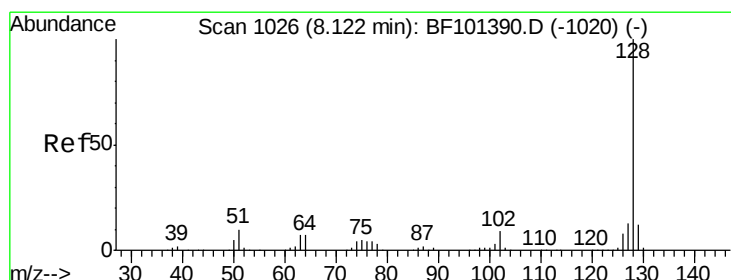
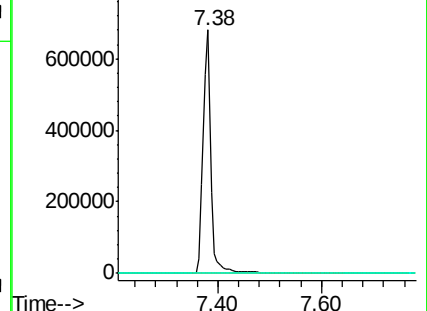
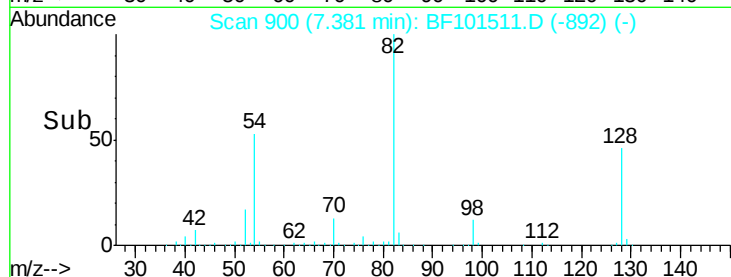
138 0.0 14.9 22.3#



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: 4.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

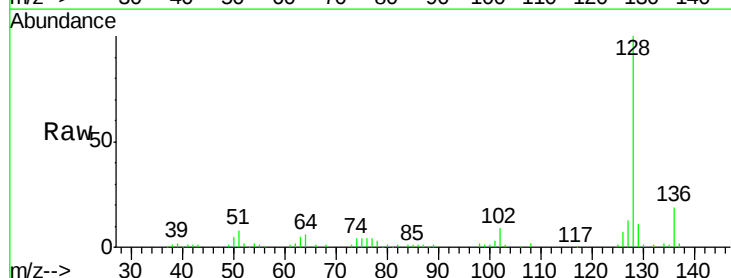
Tgt Ion: 128 Resp: 88600

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

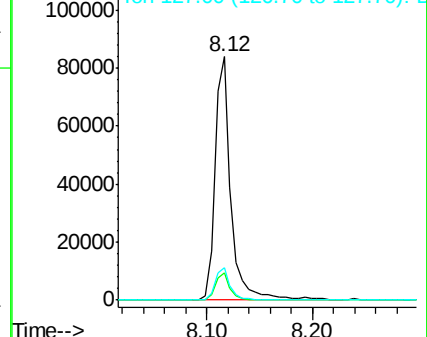
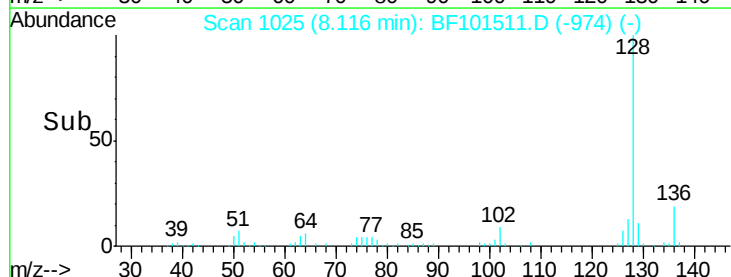
127 13.2 10.9 16.3

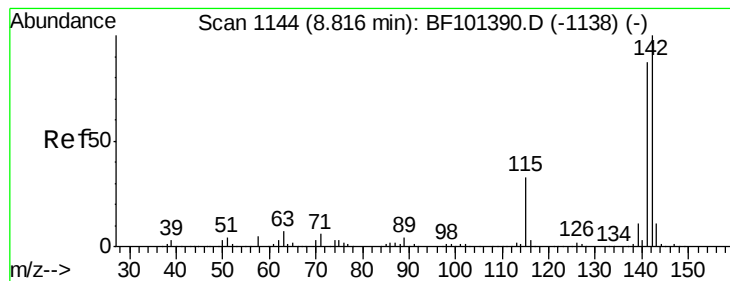


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

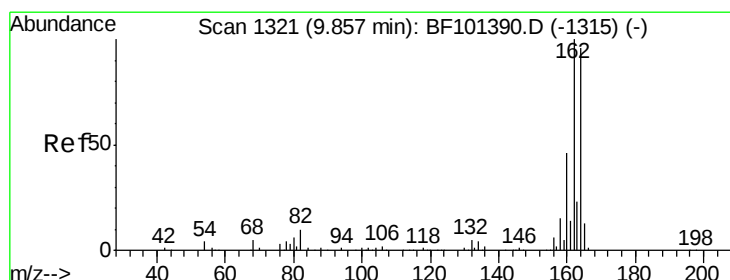
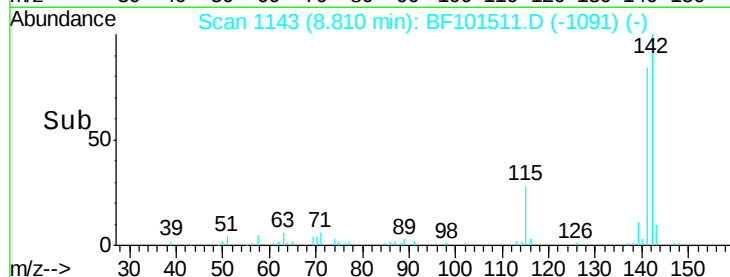
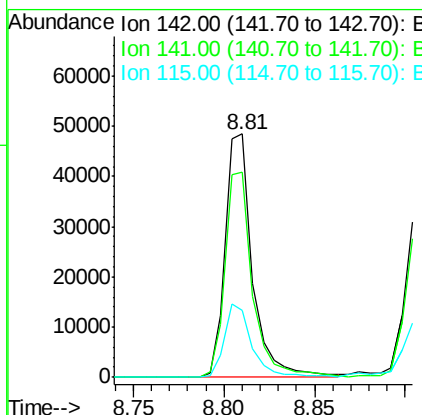
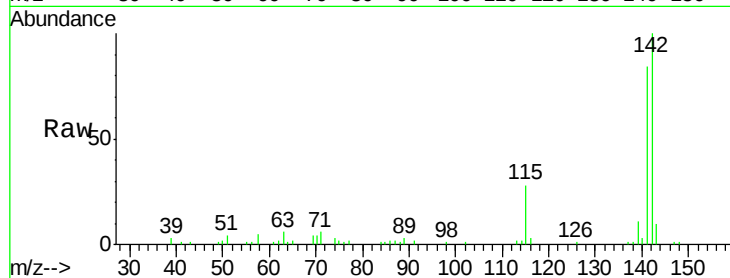




#37
 2-Methylnaphthalene
 Concen: 3.54 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: BF101511.D
 Acq: 19 Dec 2017 6:31

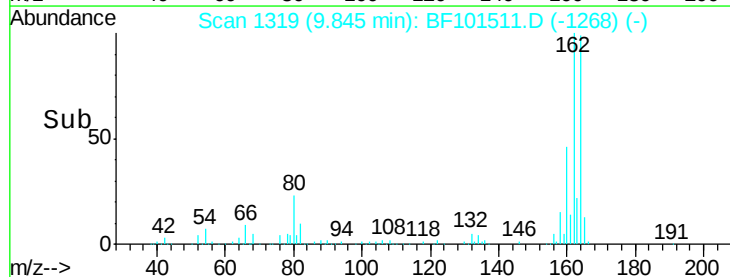
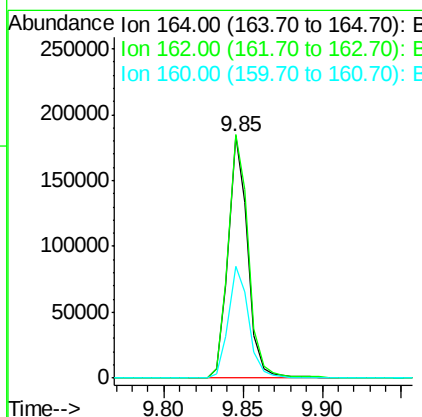
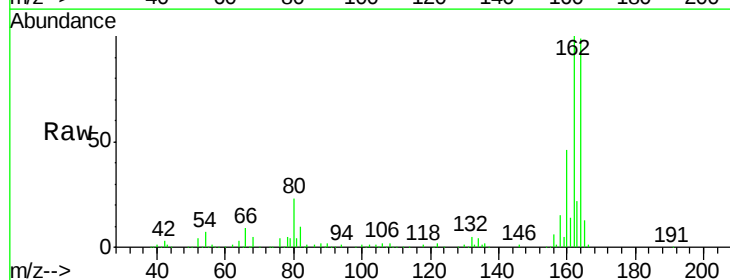
Instrument :
 BNA_F
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 121317-TIDO-E-D-M

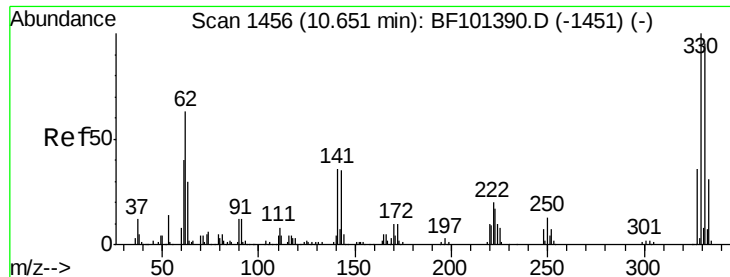
Tot Ion:142 Resp: 51170
 Ion Ratio Lower Upper
 142 100
 141 84.2 70.8 106.2
 115 27.5 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF101511.D
 Acq: 19 Dec 2017 6:31

Tgt Ion:164 Resp: 157128
 Ion Ratio Lower Upper
 164 100
 162 100.5 86.1 129.1
 160 45.9 38.3 57.5

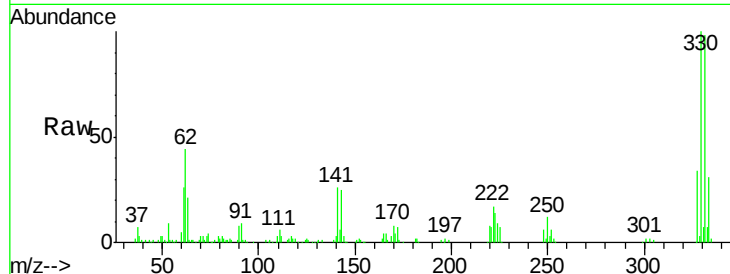




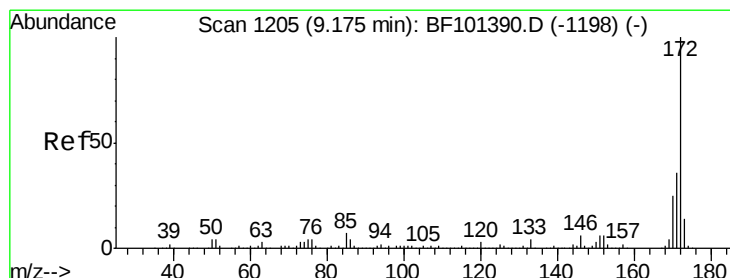
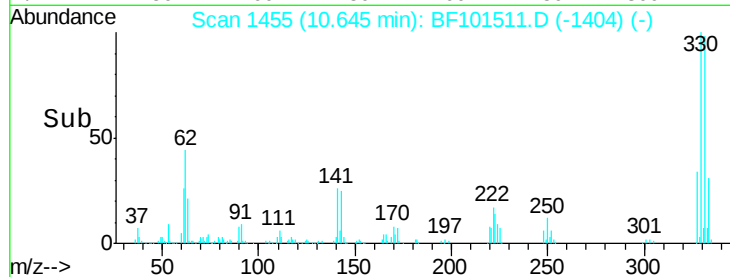
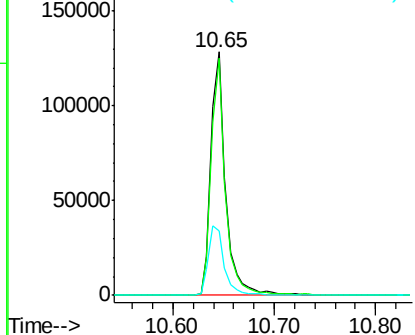
#41
 2,4,6-Tribromophenol
 Concen: 85.95 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101511.D
 Acq: 19 Dec 2017 6:31

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	30.8	29.9	44.9

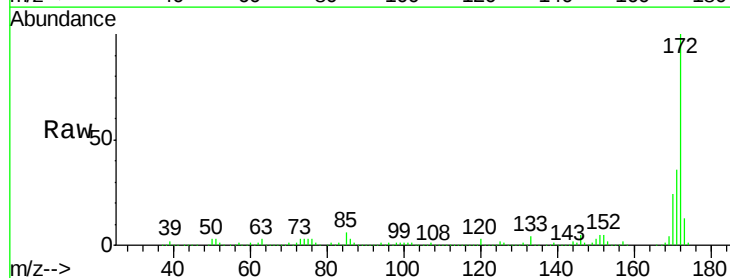


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

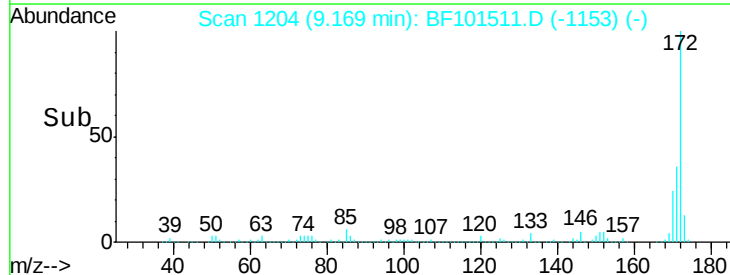
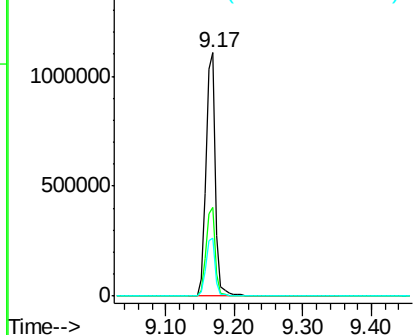


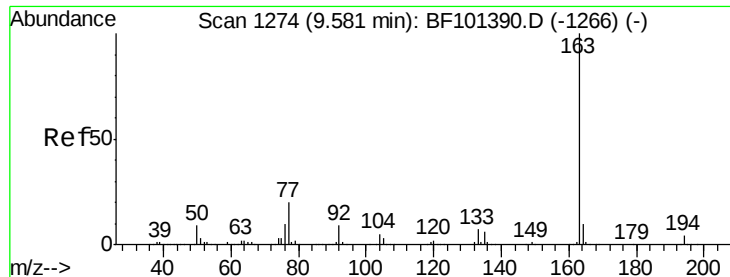
#44
 2-Fluorobiphenyl
 Concen: 108.31 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF101511.D
 Acq: 19 Dec 2017 6:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.7	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

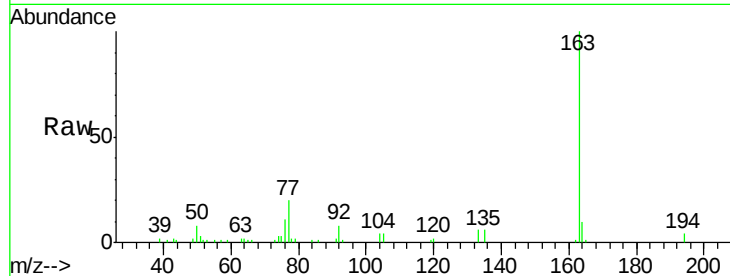




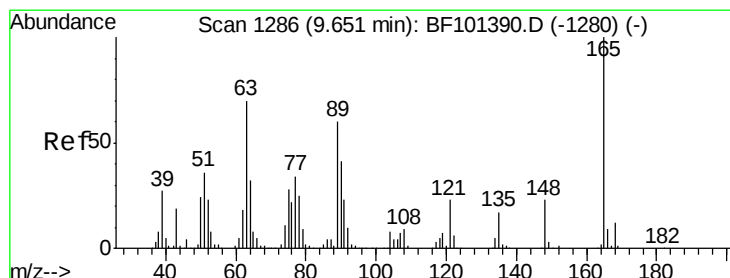
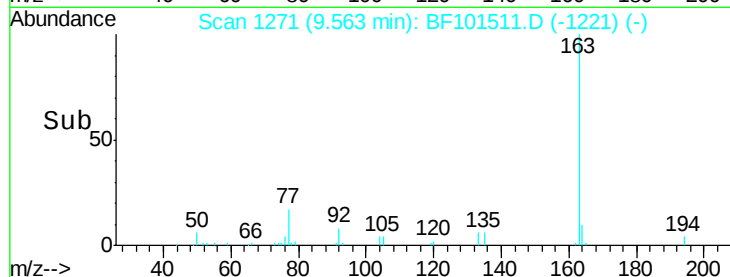
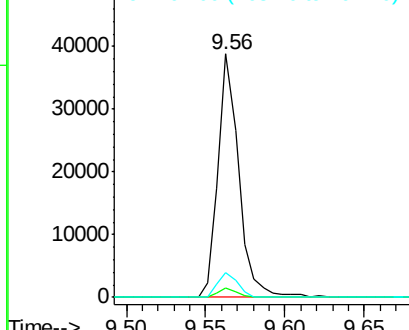
#49
Dimethylphthalate
Concen: 2.80 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

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

Tot Ion:163 Resp: 35443
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.0 8.2 12.2

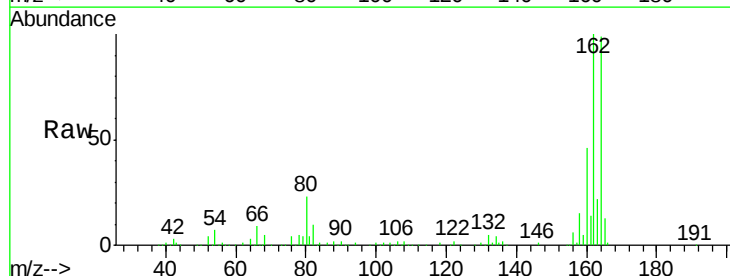


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

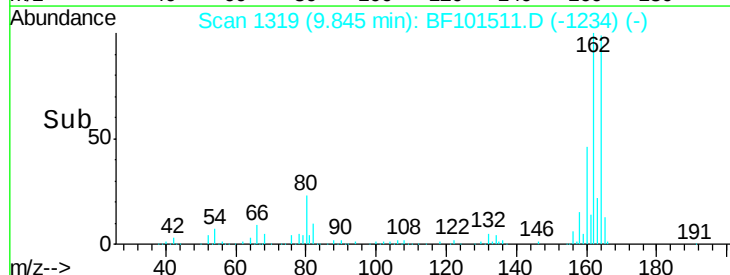
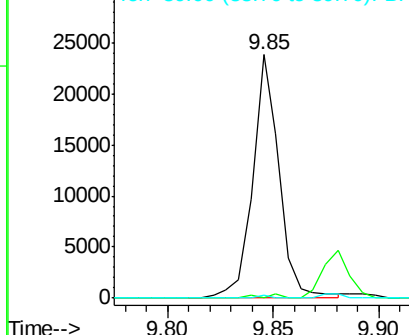


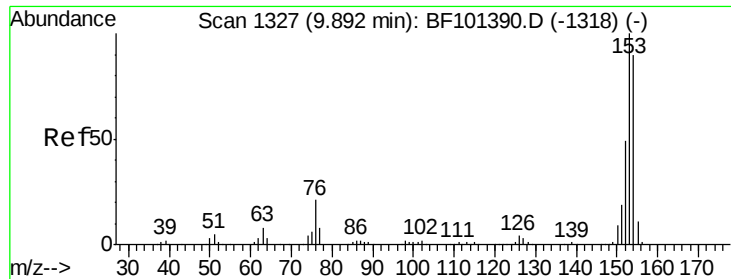
#50
2,6-Dinitrotoluene
Concen: 8.06 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

Tgt Ion:165 Resp: 20713
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.4 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 4.96 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-D-M

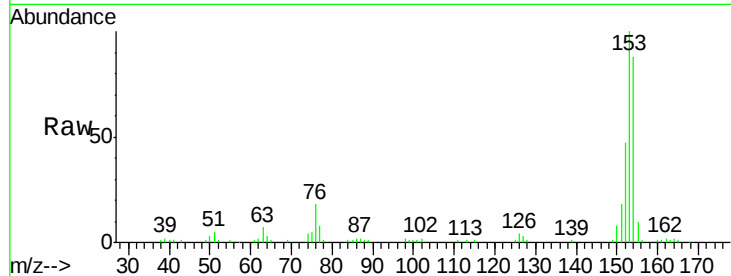
Tot Ion:154 Resp: 50227

Ion Ratio Lower Upper

154 100

153 113.1 91.2 136.8

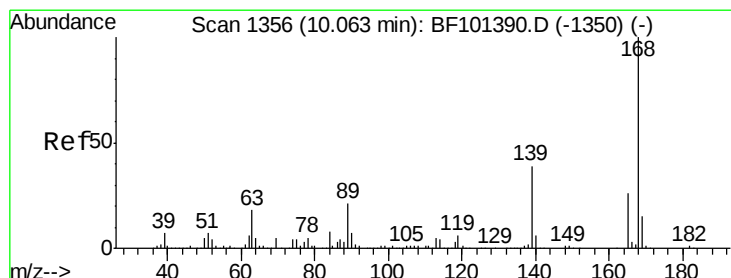
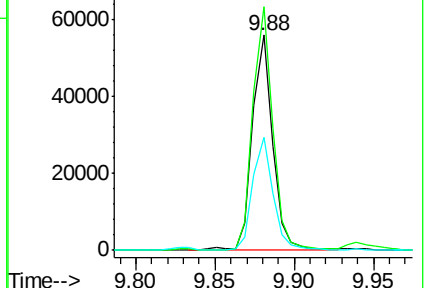
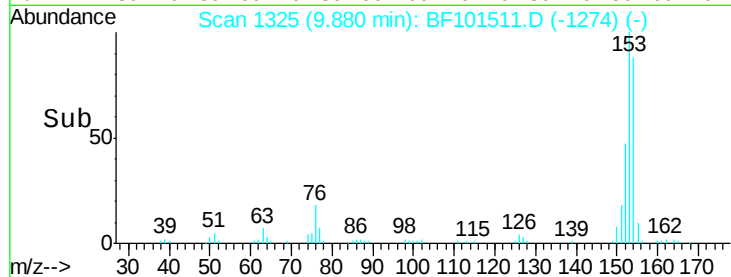
152 52.7 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.76 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

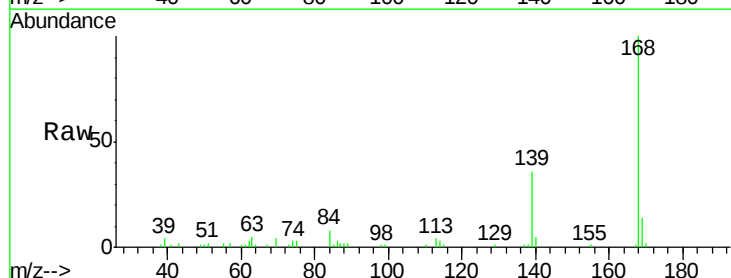
Tgt Ion:168 Resp: 48352

Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

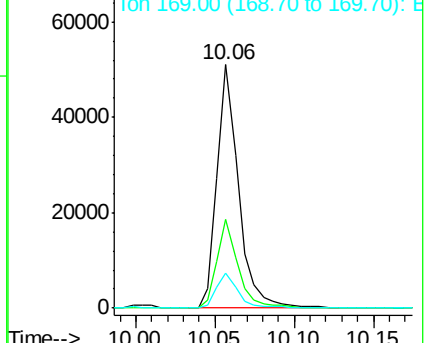
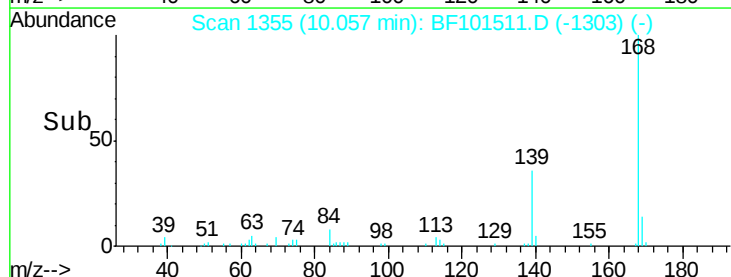
169 14.3 10.9 16.3

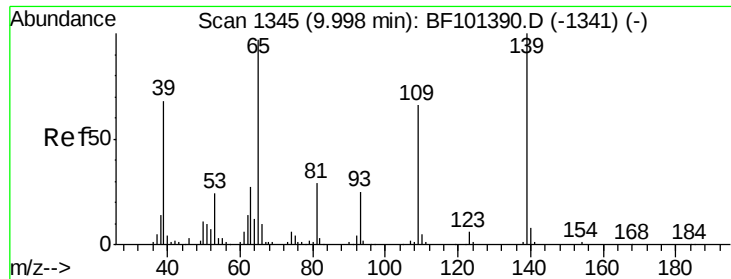


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

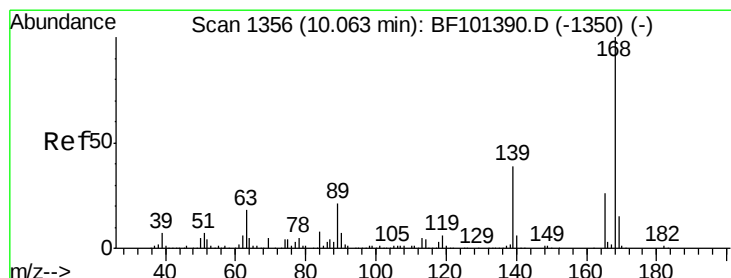
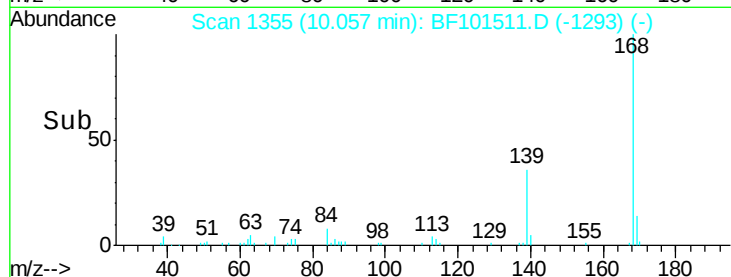
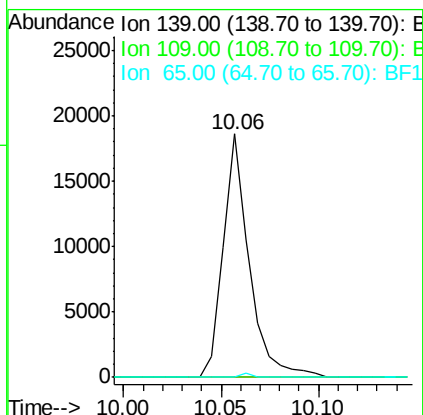
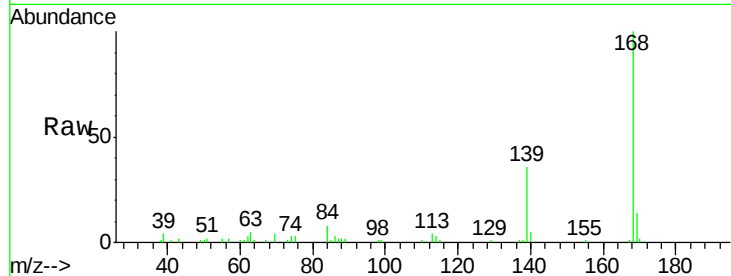




#55
4-Nitrophenol
Concen: 12.34 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.06 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

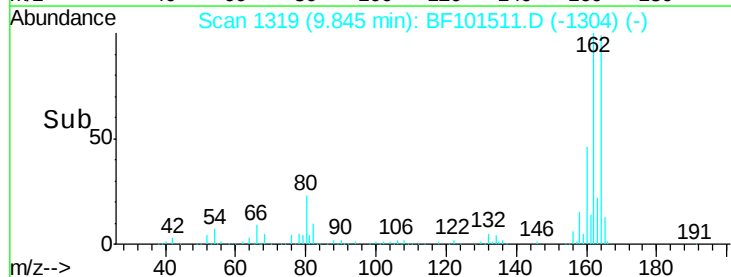
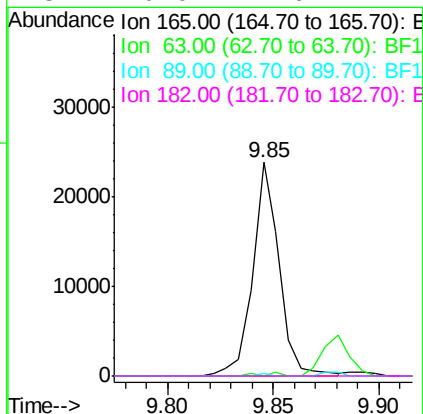
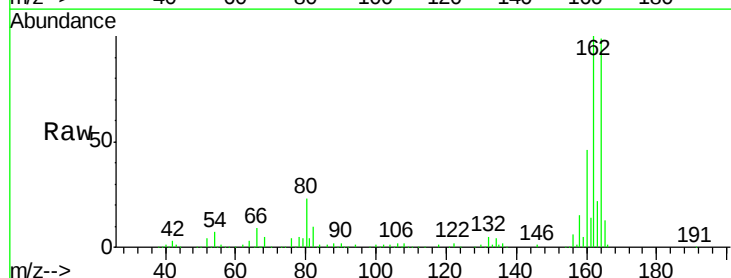
Instrument :
BNA_F
ClientSampleId :
121317-TIDO-E-D-M

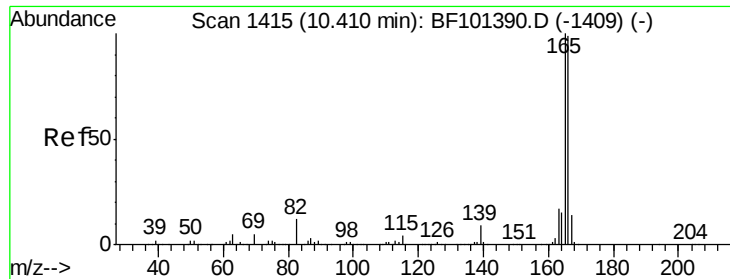
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



#56
2,4-Dinitrotoluene
Concen: 7.16 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

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





#57

Fluorene

Concen: 3.84 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

Instrument :

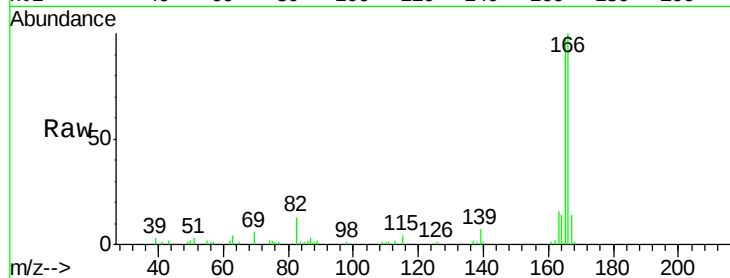
BNA_F

ClientSampleId :

121317-TIDO-E-D-M

Tot Ion:166 Resp: 41760

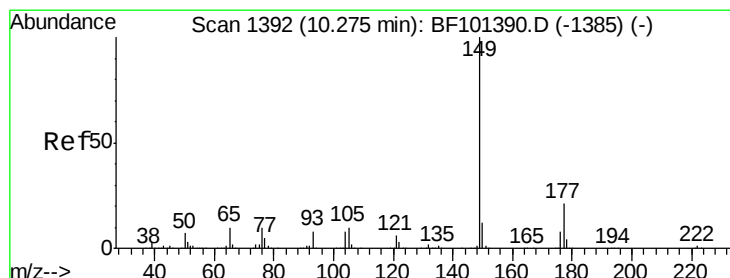
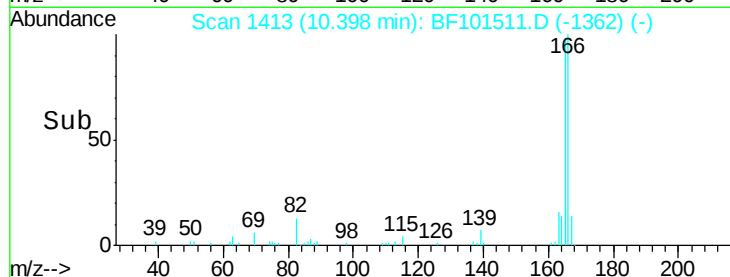
Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.8
167	13.5	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 2.30 ng

RT: 10.26 min Scan# 1389

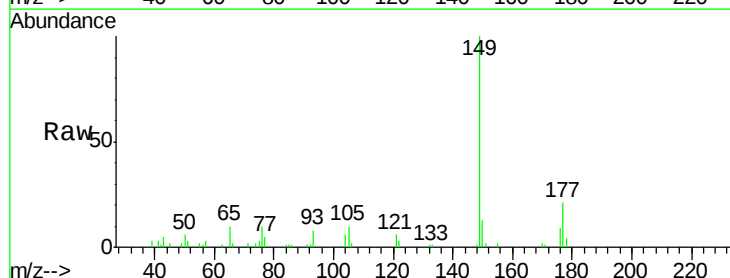
Delta R.T. -0.01 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

Tgt Ion:149 Resp: 28838

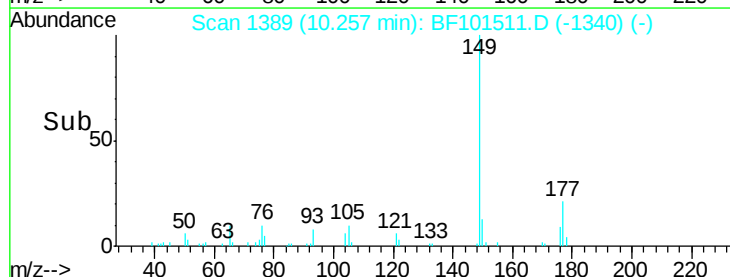
Ion	Ratio	Lower	Upper
149	100		
177	20.8	16.1	24.1
150	13.2	10.1	15.1

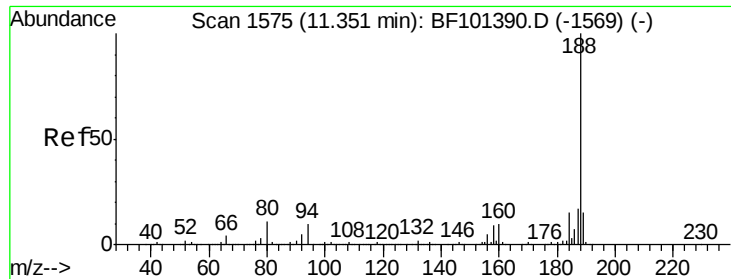


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

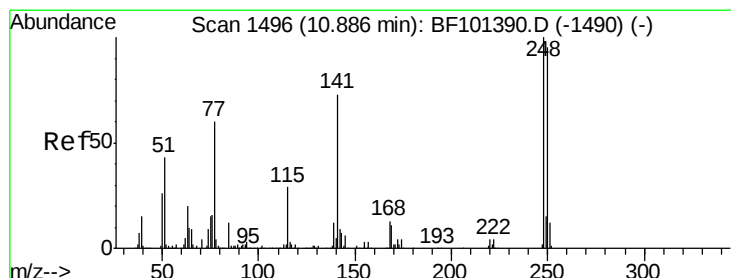
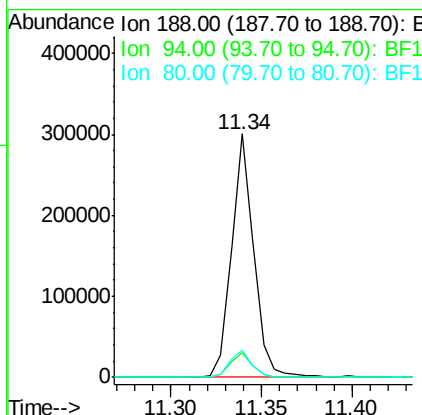
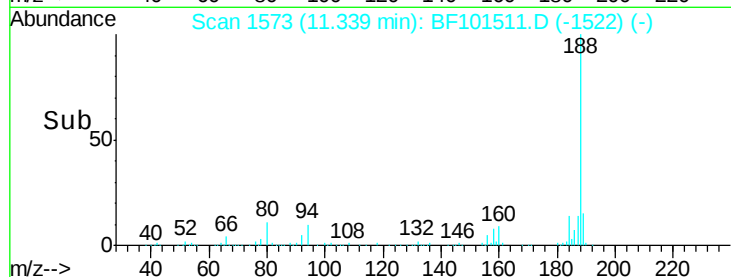
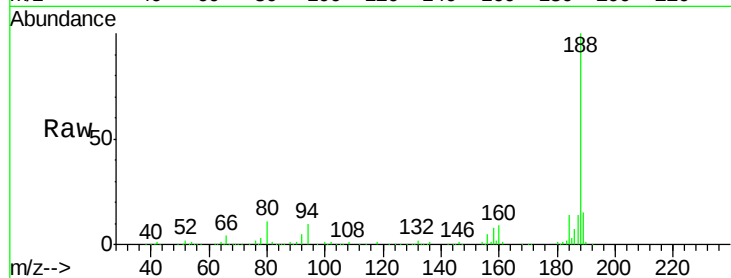




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

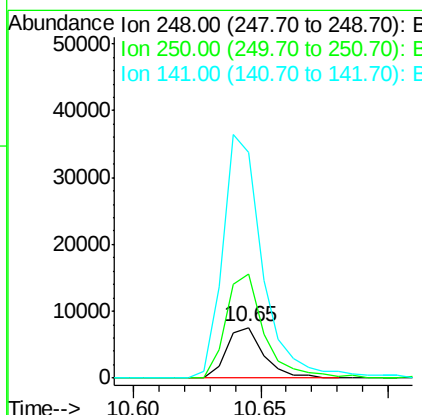
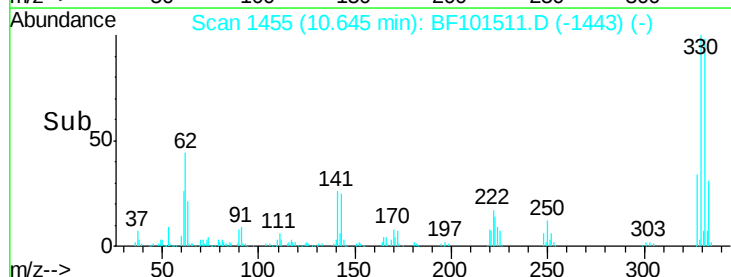
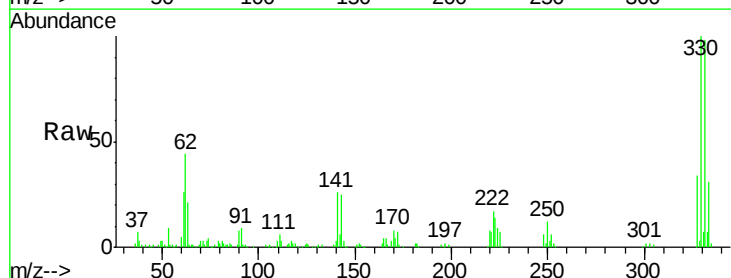
Instrument :
BNA_F
ClientSampleId :
121317-TIDO-E-D-M

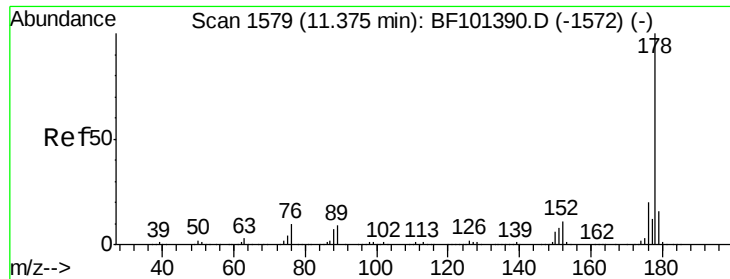
Tot Ion:188 Resp: 256266
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.67 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

Tgt Ion:248 Resp: 7701
Ion Ratio Lower Upper
248 100
250 204.5 76.9 115.3#
141 442.3 74.4 111.6#

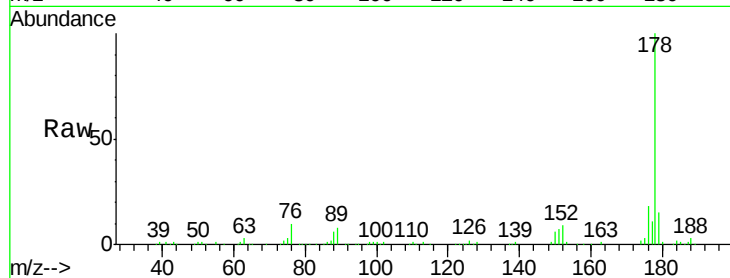




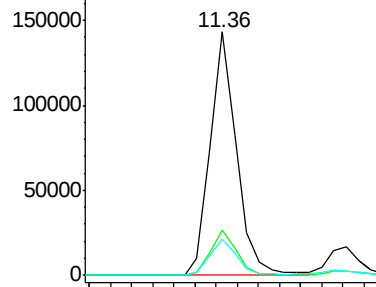
#70
Phenanthrene
Concen: 8.65 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

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

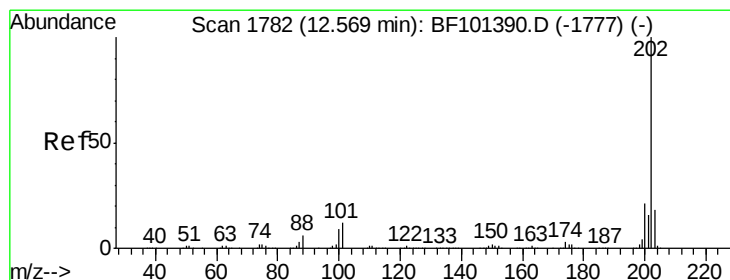
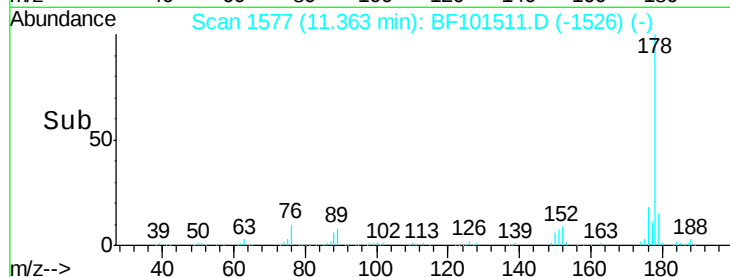
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.1	13.0	19.6



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

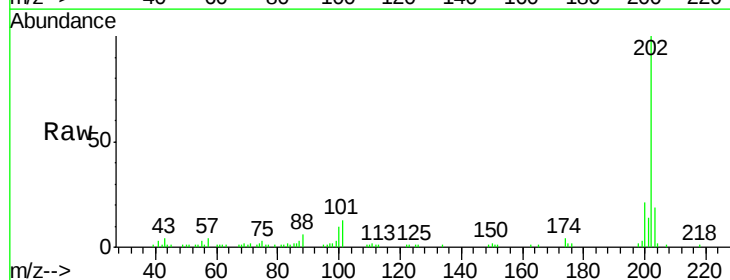


Time--> 11.30 11.35 11.40

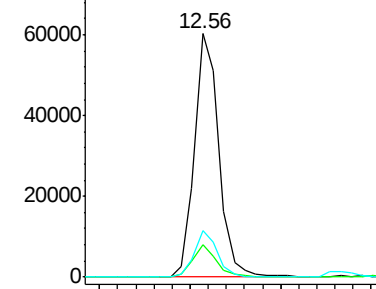


#74
Fluoranthene
Concen: 3.76 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

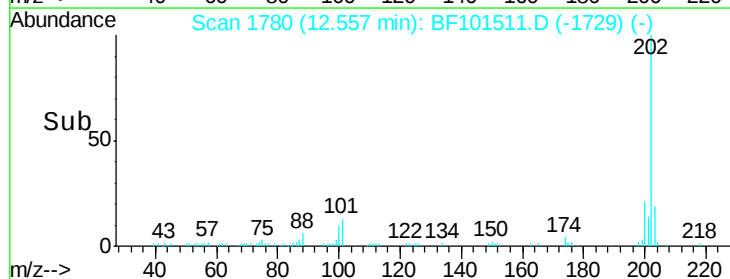
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	19.0	0.0	38.1

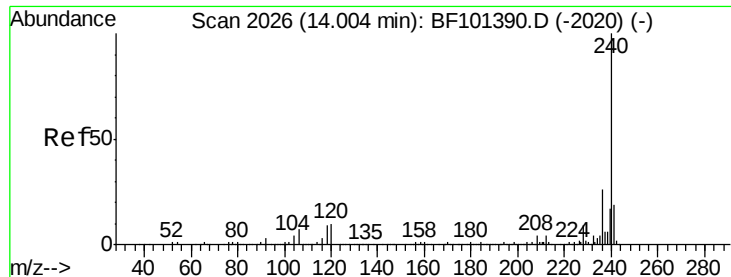


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.50 12.55 12.60





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

Instrument :

BNA_F

ClientSampleId :

121317-TIDO-E-D-M

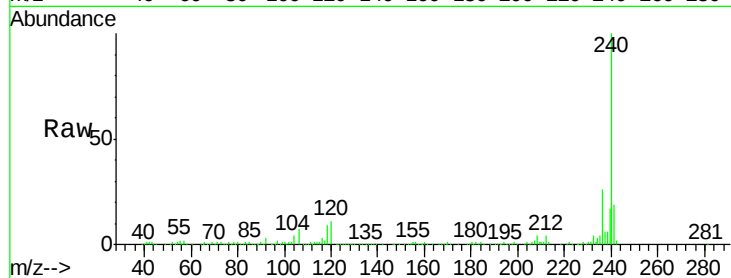
Tot Ion:240 Resp: 284611

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

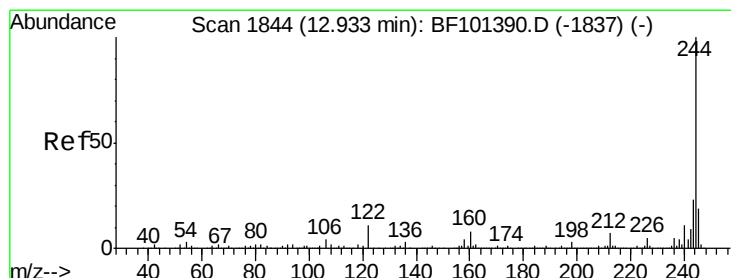
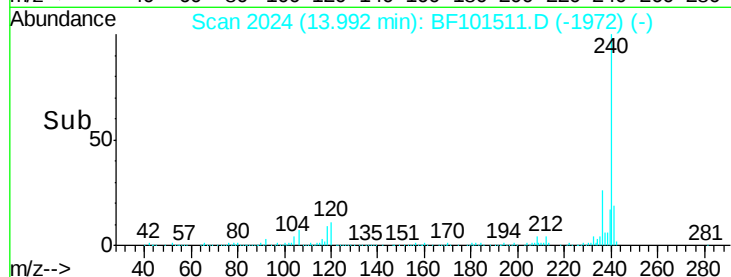
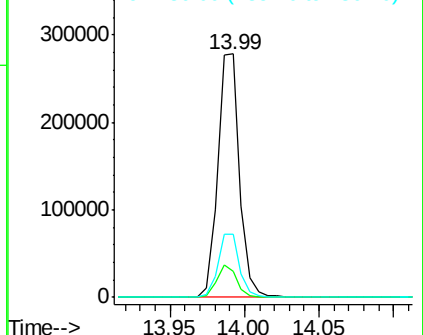
236 25.9 20.7 31.1



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: 75.93 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101511.D

Acq: 19 Dec 2017 6:31

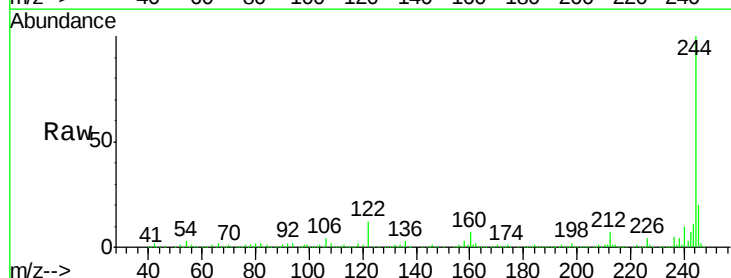
Tgt Ion:244 Resp: 896399

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

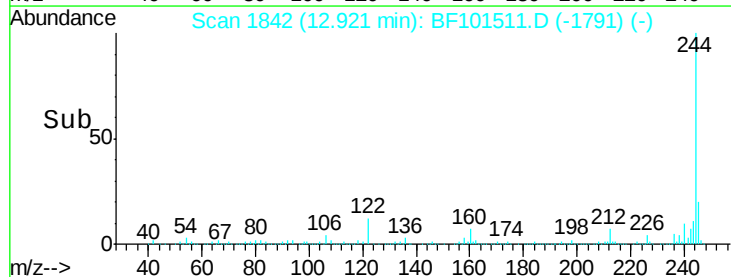
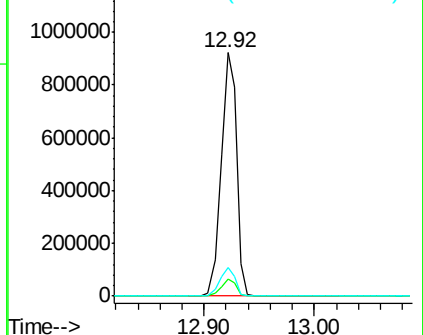
122 11.9 11.0 16.4

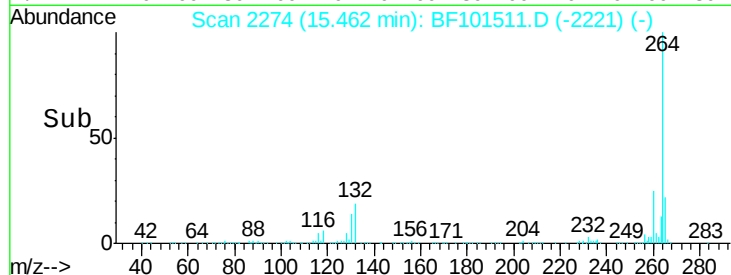
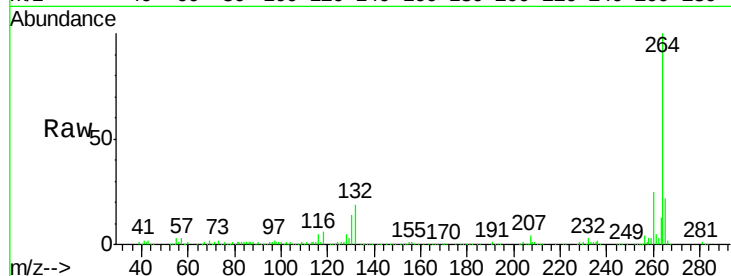
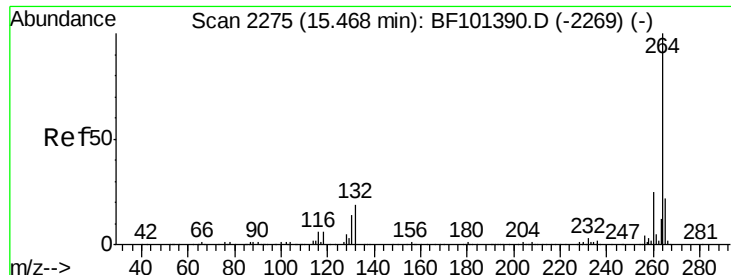


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101511.D
Acq: 19 Dec 2017 6:31

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

Tot Ion:	264	Resp:	260252
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.2	28.8
265	21.8	17.5	26.3

