

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101504.D
 Acq On : 19 Dec 2017 3:23
 Operator : SJ/JU
 Sample : I6909-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

Quant Time: Dec 19 04:22:37 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	94058	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	336452	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	121434	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	203481	20.00	ng	0.00
75) Chrysene-d12	13.99	240	223705	20.00	ng	0.00
86) Perylene-d12	15.46	264	199411	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	369515	58.52	ng	0.02
7) Phenol-d6	6.46	99	270788	34.46	ng	0.00
23) Nitrobenzene-d5	7.38	82	692019	114.49	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	136975	117.06	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1102321	140.81	ng	0.00
78) Terphenyl-d14	12.92	244	919411	99.08	ng	0.00

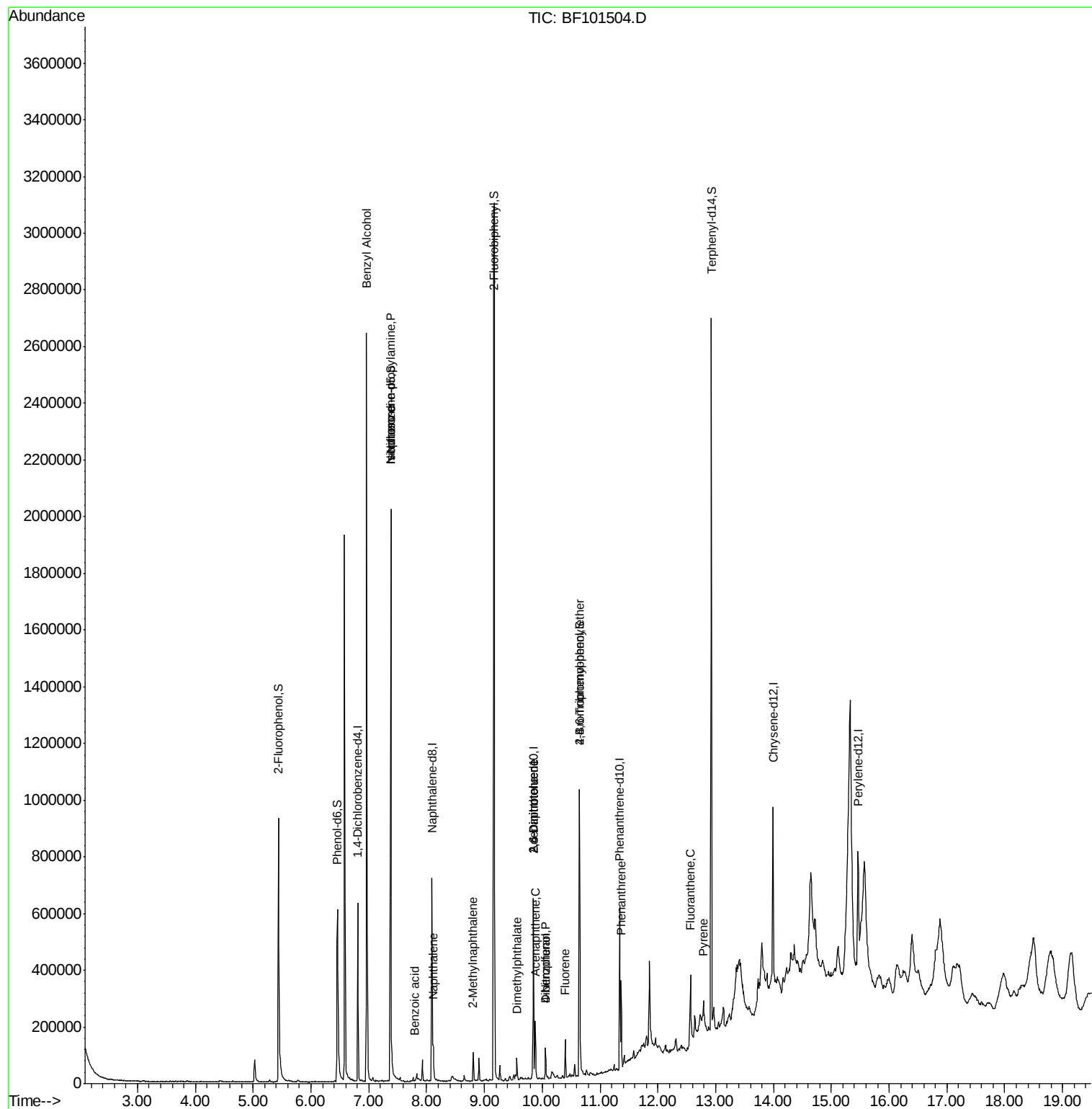
Target Compounds						Qvalue
15) Benzyl Alcohol	6.96	79	12465	2.30	ng	# 37
19) n-Nitroso-di-n-propylamine	7.38	70	91087	17.65	ng	# 81
25) Isophorone	7.38	82	692014	57.07	ng	# 64
31) Naphthalene	8.12	128	49258	2.91	ng	97
32) Benzoic acid	7.79	122	117	7.99	ng	# 1
37) 2-Methylnaphthalene	8.80	142	30996	2.81	ng	96
49) Dimethylphthalate	9.56	163	27142	2.78	ng	100
50) 2,6-Dinitrotoluene	9.85	165	15984	8.05	ng	# 24
51) Acenaphthene	9.88	154	41459	5.30	ng	100
54) Dibenzofuran	10.06	168	40878	4.11	ng	99
55) 4-Nitrophenol	10.06	139	15436	14.30	ng	# 10
56) 2,4-Dinitrotoluene	9.85	165	15984	7.15	ng	# 21
57) Fluorene	10.40	166	37825	4.50	ng	96
66) 4-Bromophenyl-phenylether	10.65	248	8424	3.68	ng	# 1
70) Phenanthrene	11.36	178	110969	9.81	ng	97
74) Fluoranthene	12.56	202	49869	4.20	ng	97
77) Pyrene	12.79	202	34355	2.05	ng	99

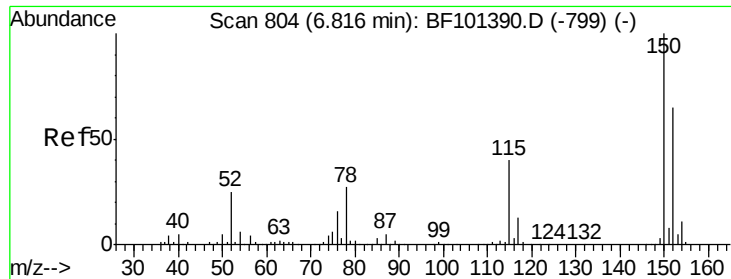
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

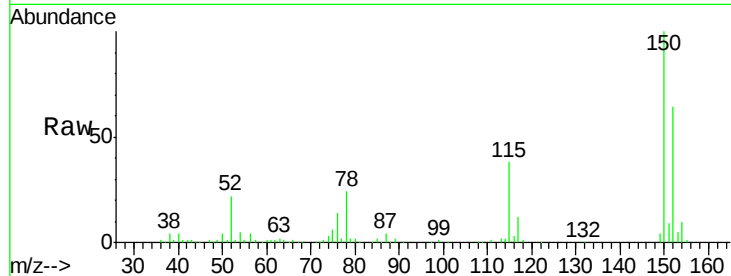
Tot Ion:152 Resp: 94058

Ion Ratio Lower Upper

152 100

150 156.8 124.6 186.8

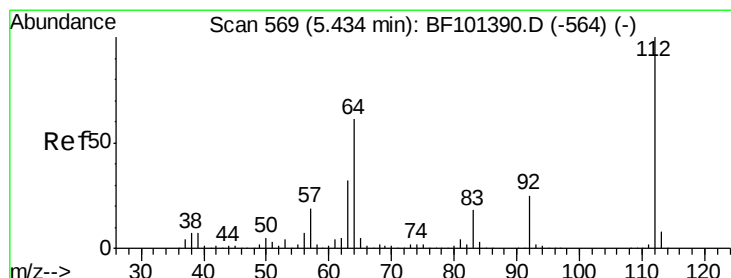
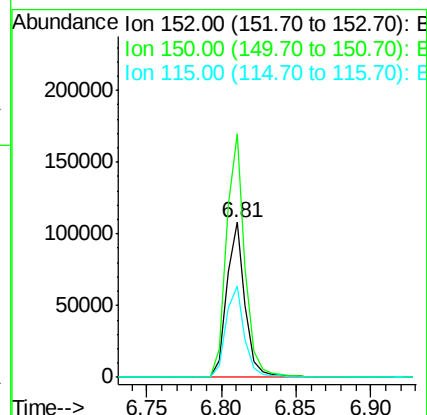
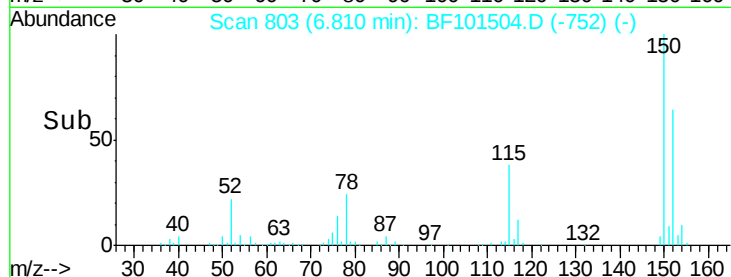
115 58.8 50.1 75.1



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



#5

2-Fluorophenol

Concen: 58.52 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

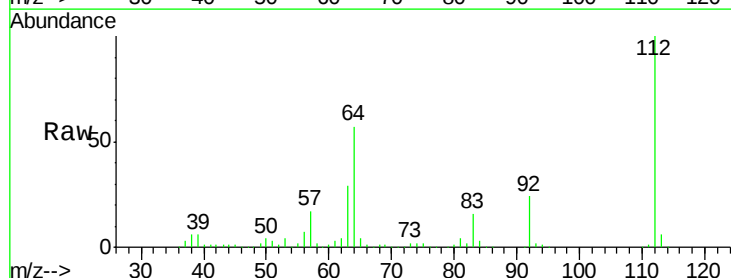
Tgt Ion:112 Resp: 369515

Ion Ratio Lower Upper

112 100

64 57.3 47.9 71.9

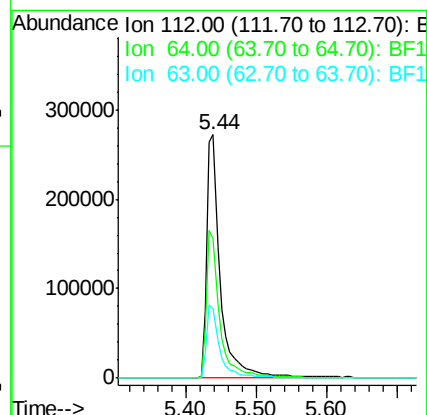
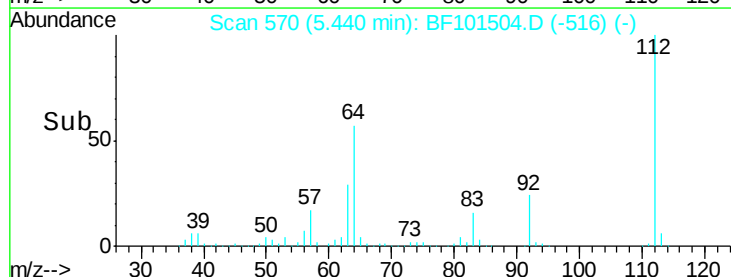
63 28.7 23.7 35.5

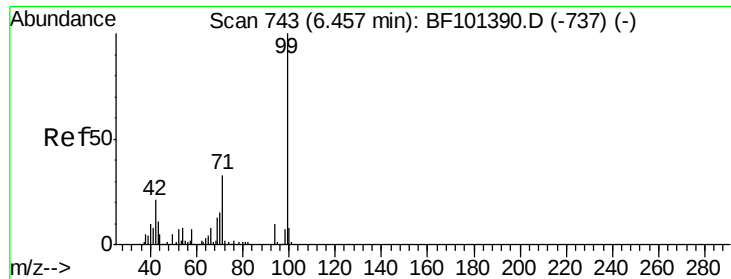


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 34.46 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

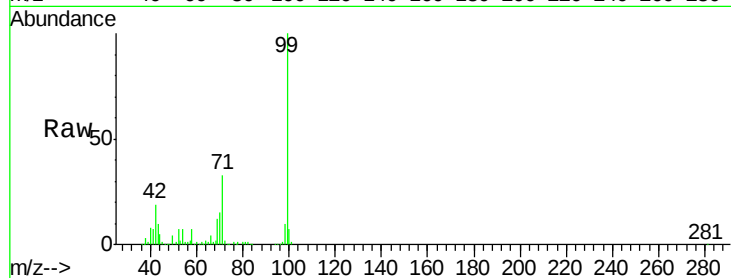
Tot Ion: 99 Resp: 270788

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

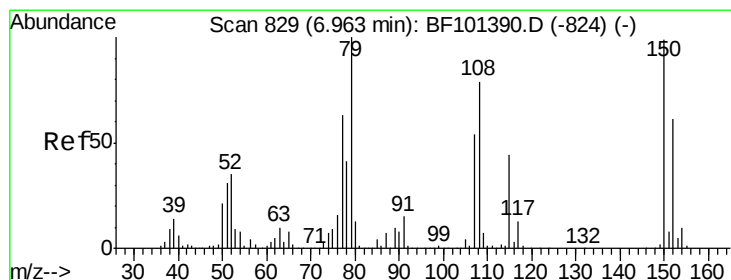
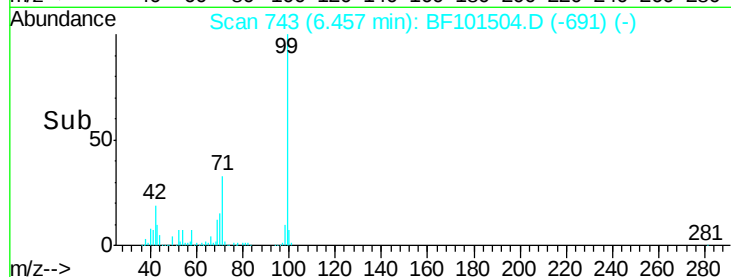
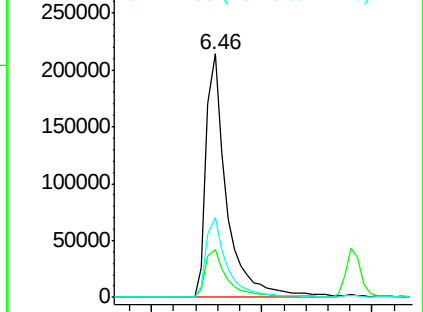
71 32.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

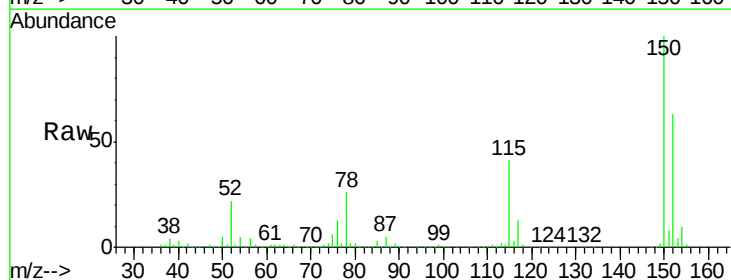
Tgt Ion: 79 Resp: 12465

Ion Ratio Lower Upper

79 100

108 28.8 65.1 97.7#

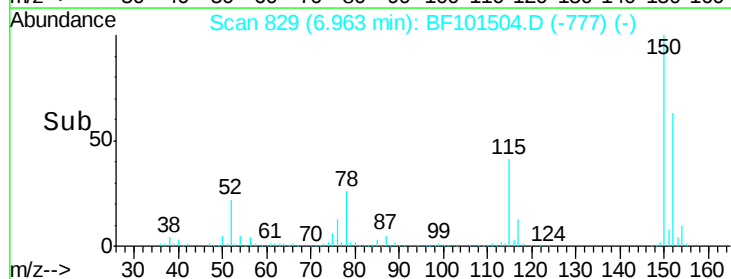
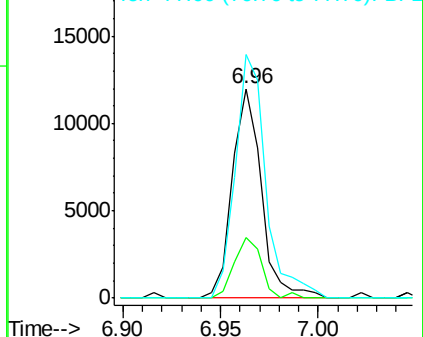
77 116.3 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

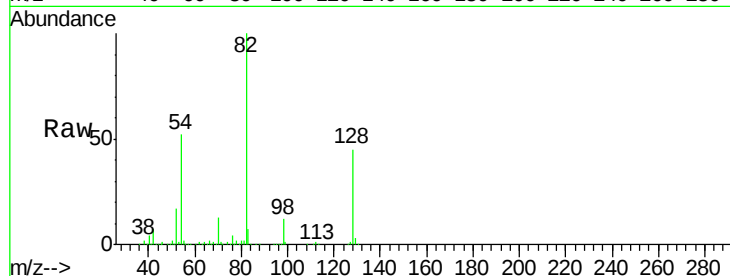




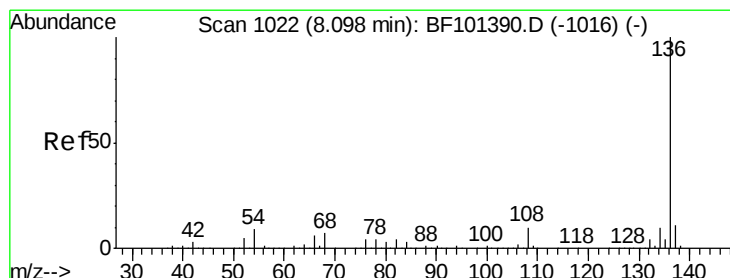
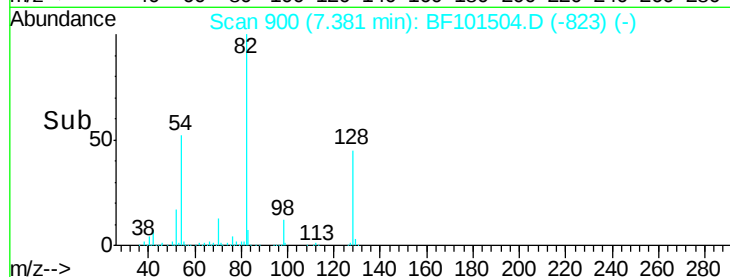
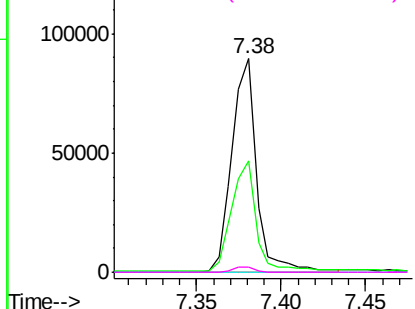
#19
n-Nitroso-di-n-propylamine
Concen: 17.65 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Instrument :
BNA_F
ClientSampleId :
121217-TIDO-E-D-S

Tot Ion: 70 Resp: 91087
Ion Ratio Lower Upper
70 100
42 51.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#

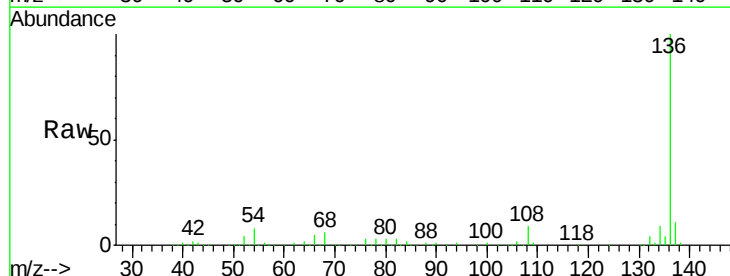


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

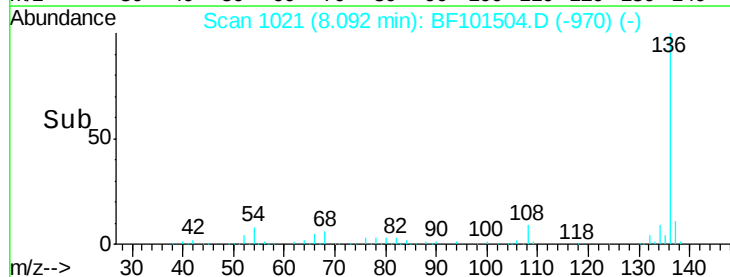
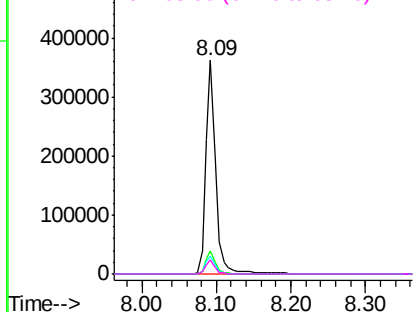


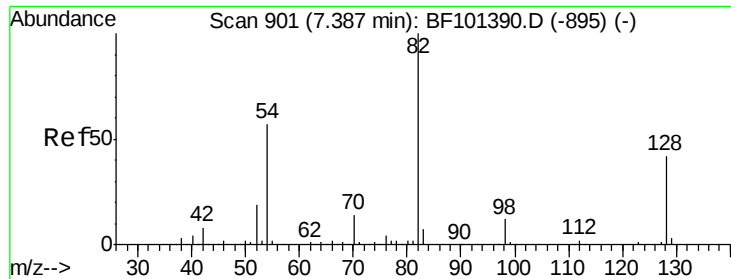
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Tgt Ion: 136 Resp: 336452
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.5 6.6 9.8
68 6.4 5.0 7.4



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

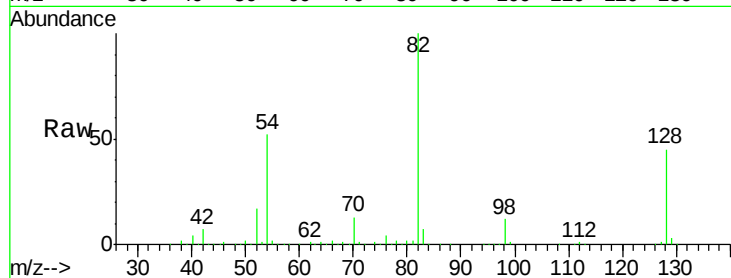




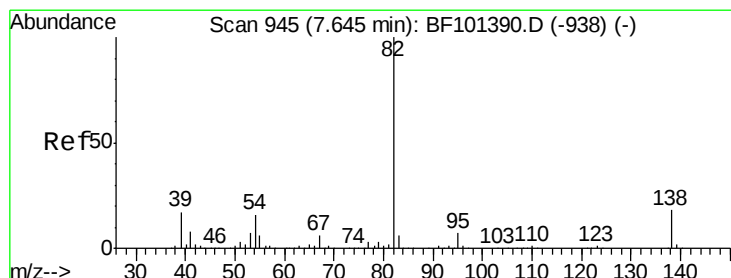
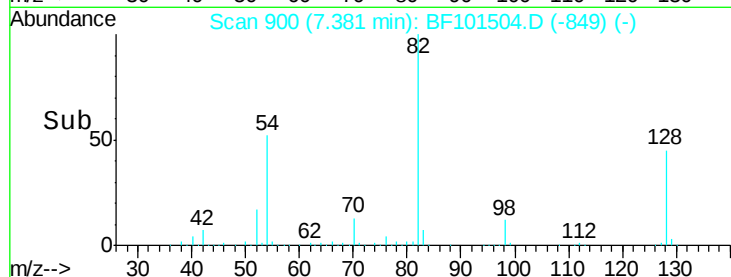
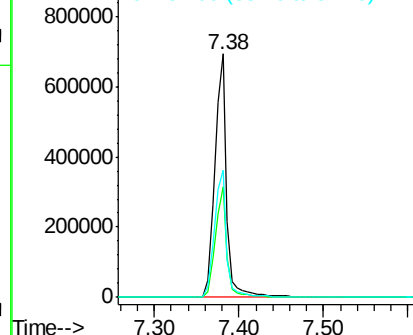
#23
 Nitrobenzene-d5
 Concen: 114.49 ng
 RT: 7.38 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	52.1	41.4	62.2

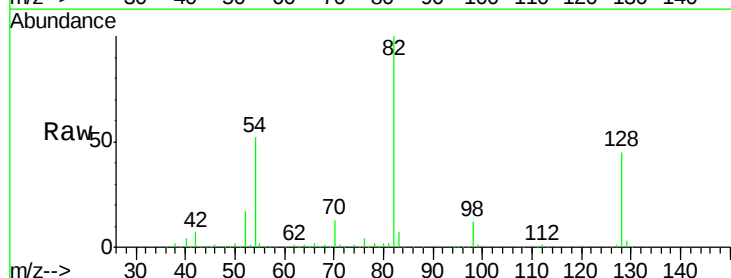


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

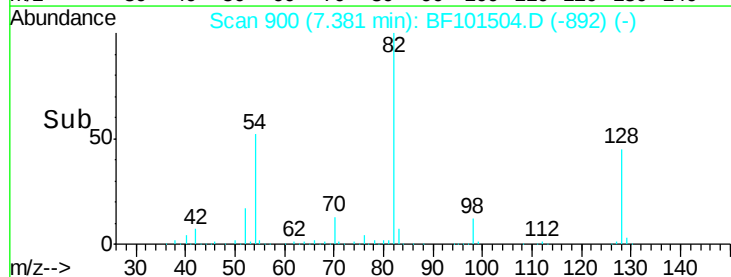
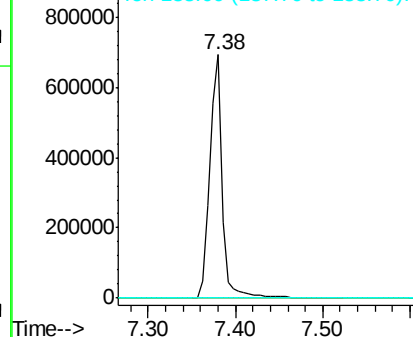


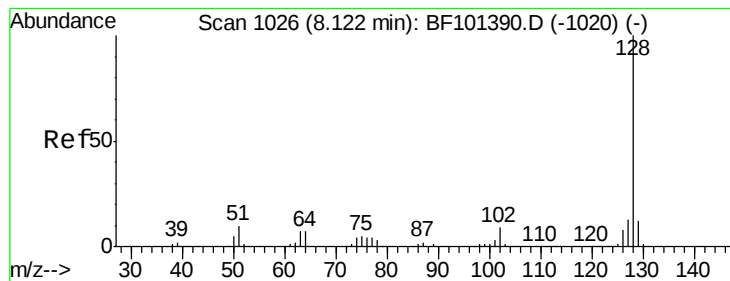
#25
 Isophorone
 Concen: 57.07 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.25 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	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: 2.91 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

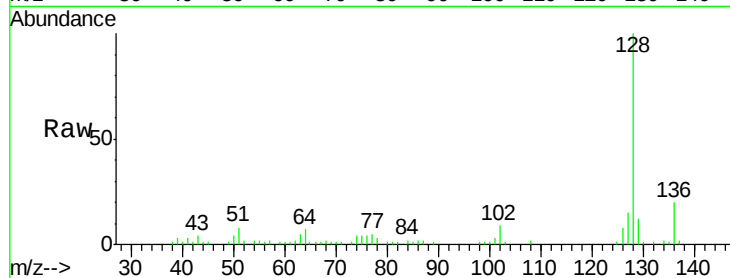
Tot Ion:128 Resp: 49258

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

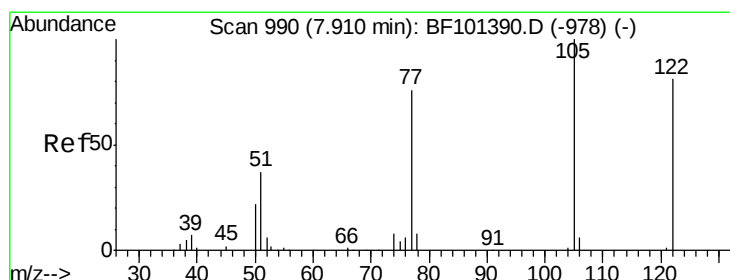
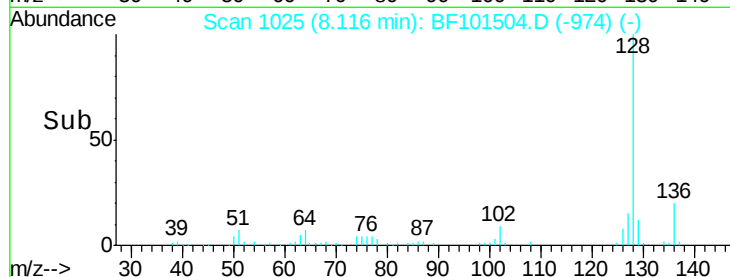
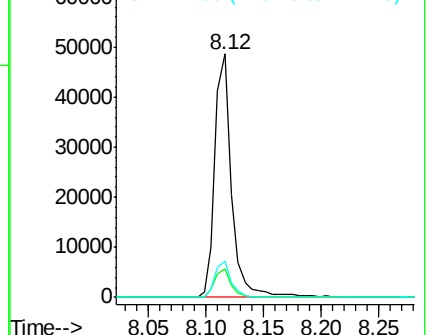
127 14.9 10.9 16.3



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: 7.99 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.12 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

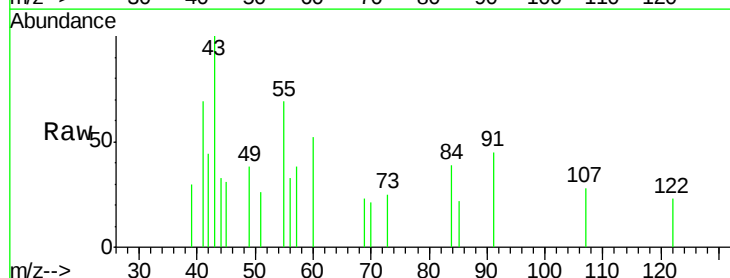
Tgt Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

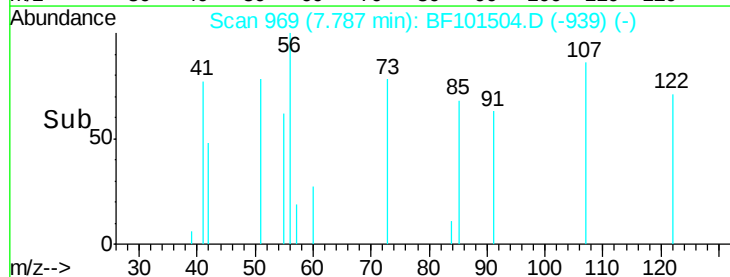
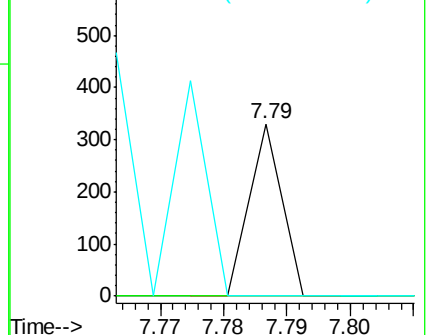
77 0.0 70.7 110.7#

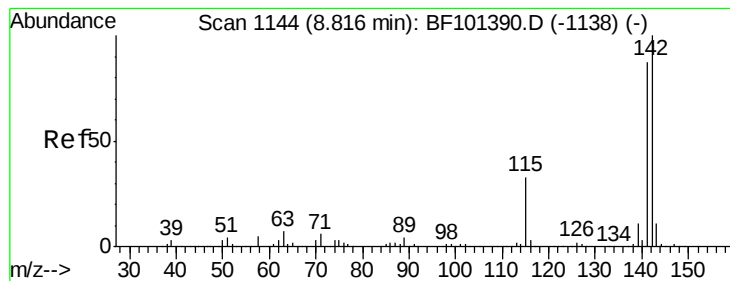


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#37

2-Methylnaphthalene

Concen: 2.81 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

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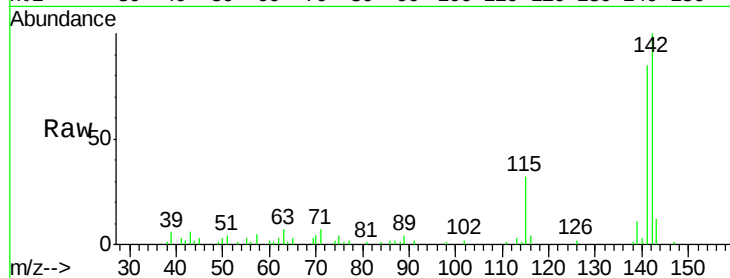
Tot Ion:142 Resp: 30996

Ion Ratio Lower Upper

142 100

141 84.6 70.8 106.2

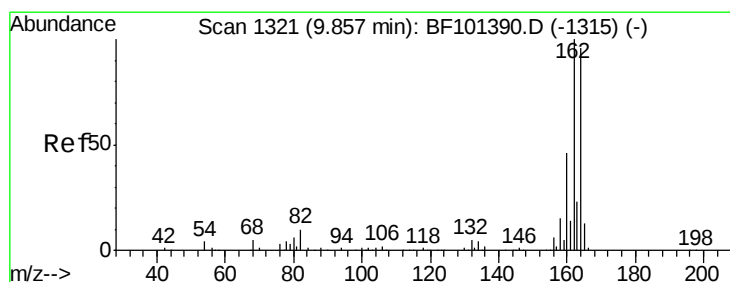
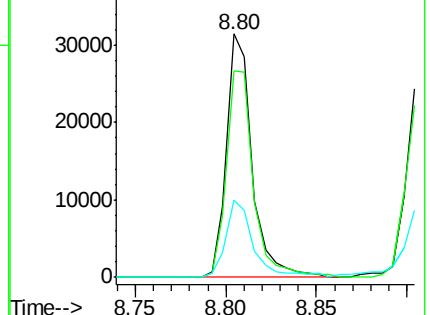
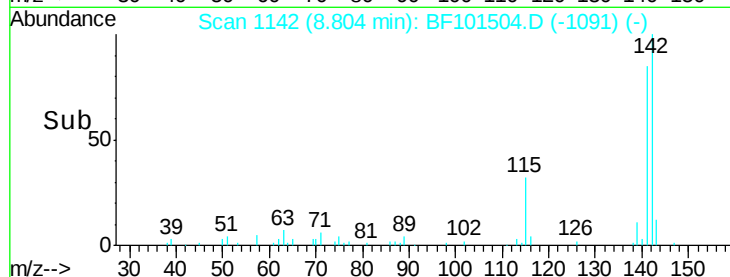
115 31.7 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

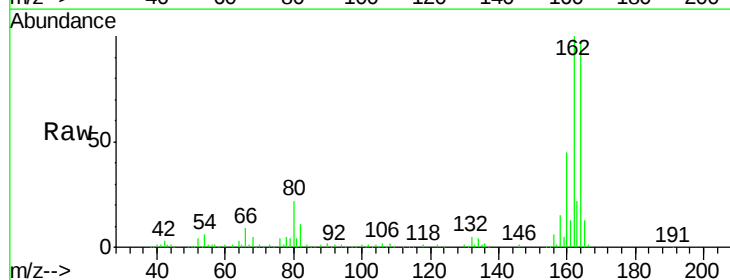
Tgt Ion:164 Resp: 121434

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

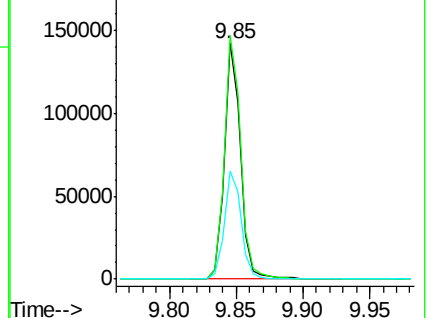
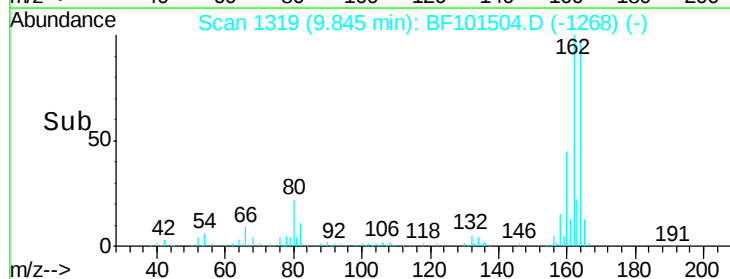
160 46.1 38.3 57.5

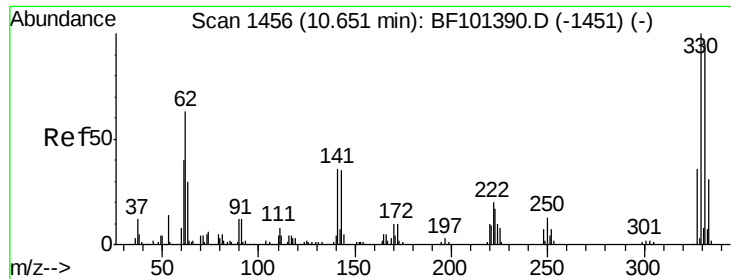


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

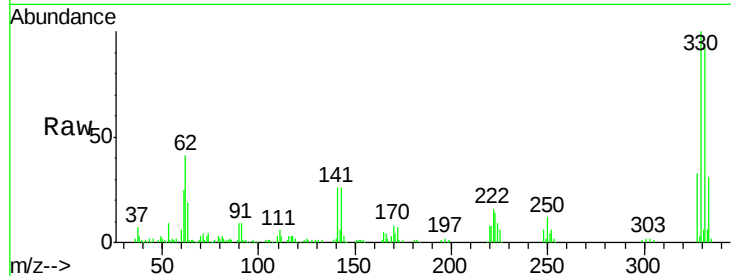




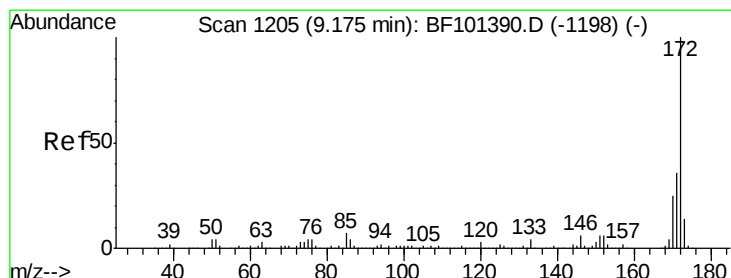
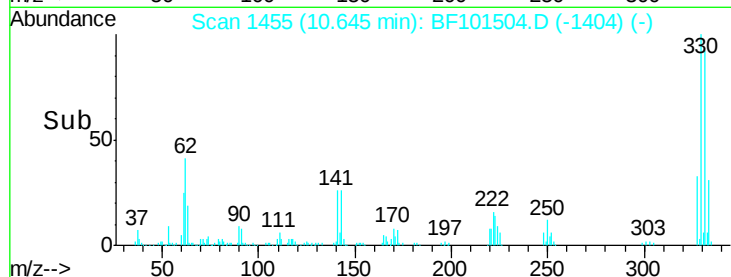
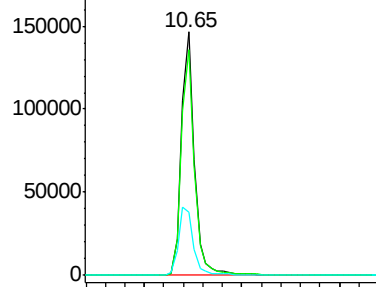
#41
 2,4,6-Tribromophenol
 Concen: 117.06 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	31.4	29.9	44.9

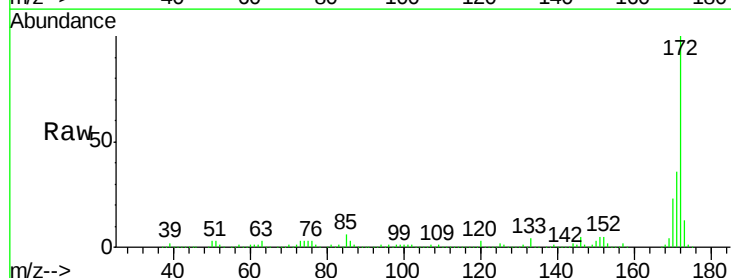


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

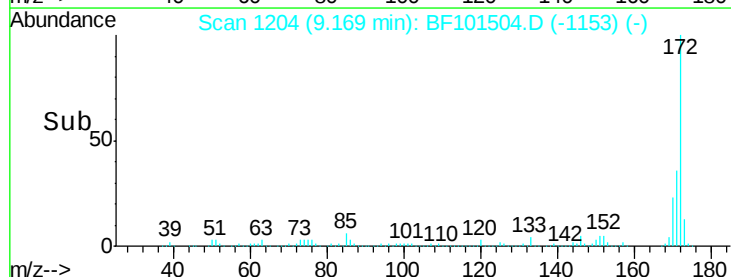
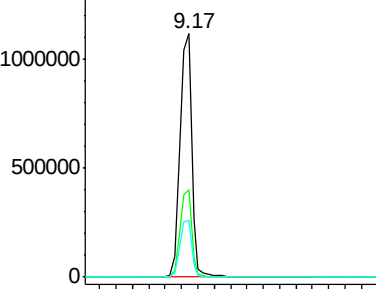


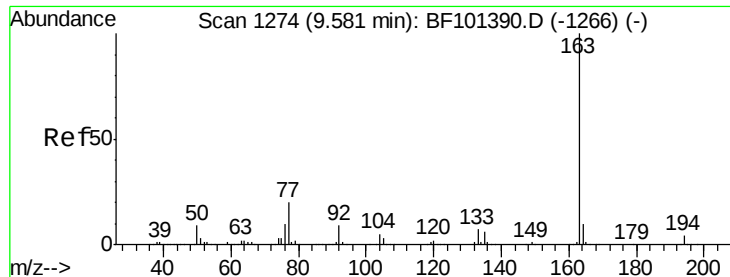
#44
 2-Fluorobiphenyl
 Concen: 140.81 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.4	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

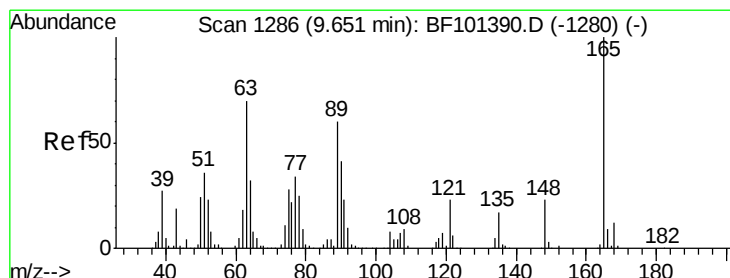
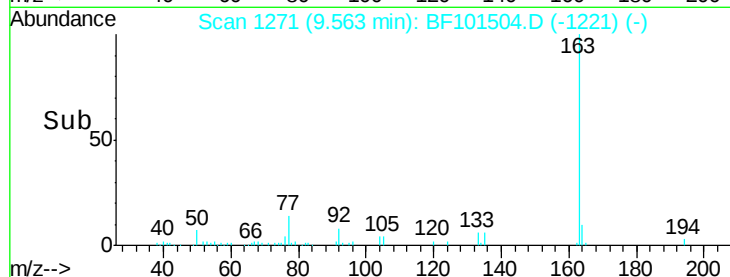
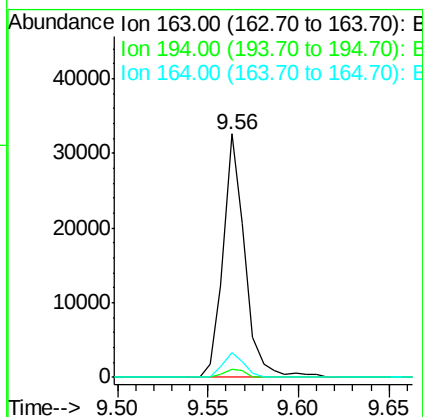
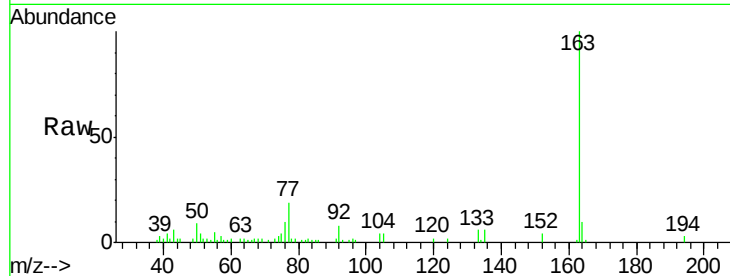




#49
Dimethylphthalate
Concen: 2.78 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

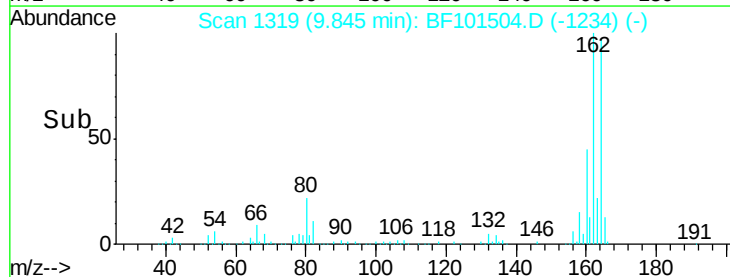
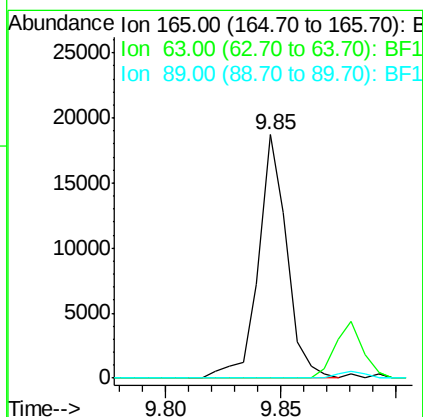
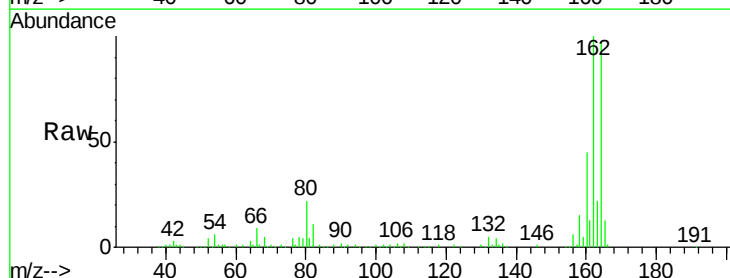
Instrument :
BNA_F
ClientSampleId :
121217-TIDO-E-D-S

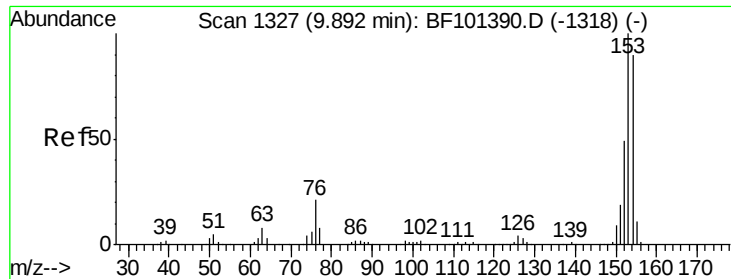
Tot Ion:163 Resp: 27142
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.05 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Tgt Ion:165 Resp: 15984
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 5.30 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

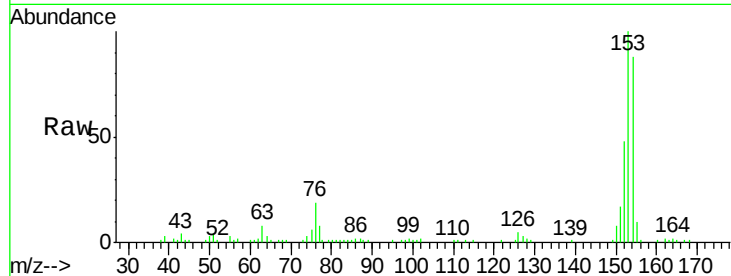
Tot Ion:154 Resp: 41459

Ion Ratio Lower Upper

154 100

153 113.7 91.2 136.8

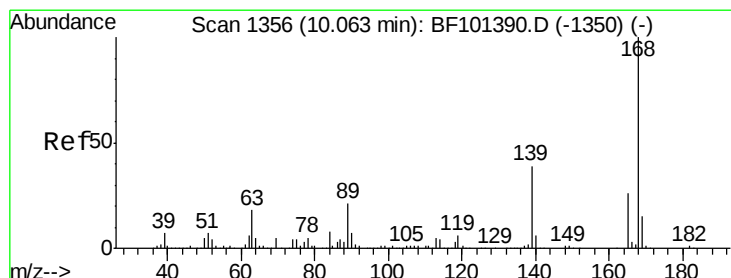
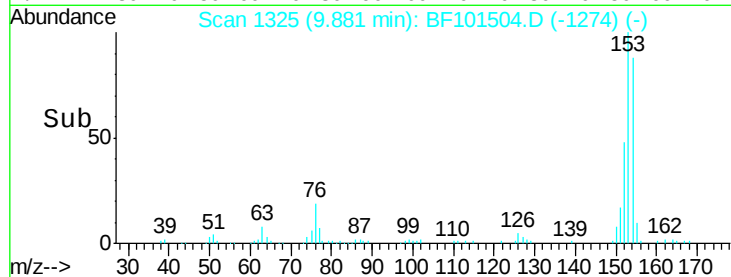
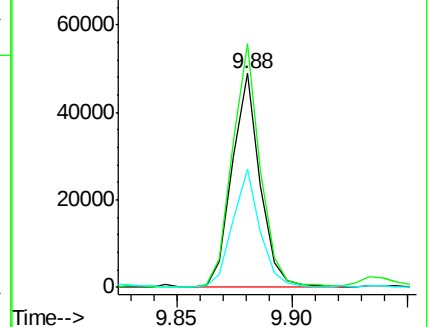
152 55.0 43.8 65.8



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: 4.11 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

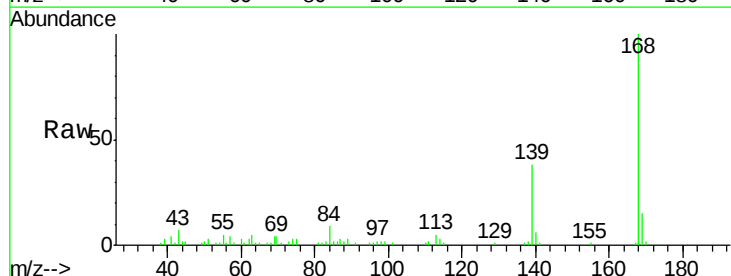
Tgt Ion:168 Resp: 40878

Ion Ratio Lower Upper

168 100

139 37.7 30.1 45.1

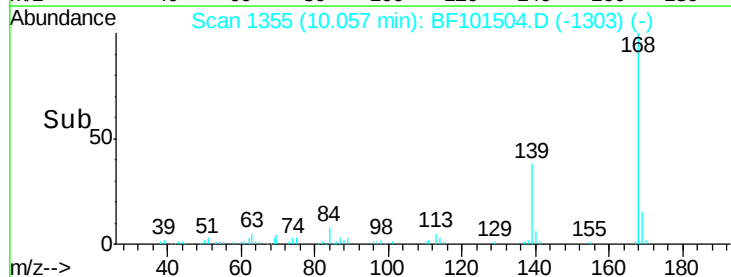
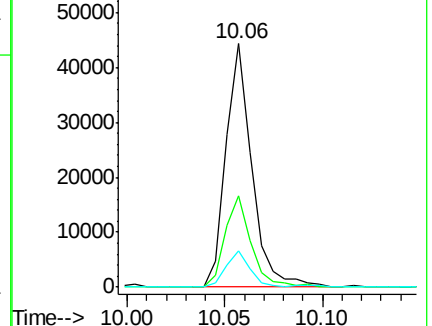
169 14.8 10.9 16.3

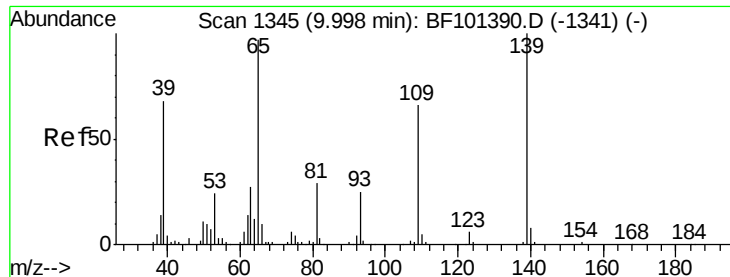


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 14.30 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.06 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

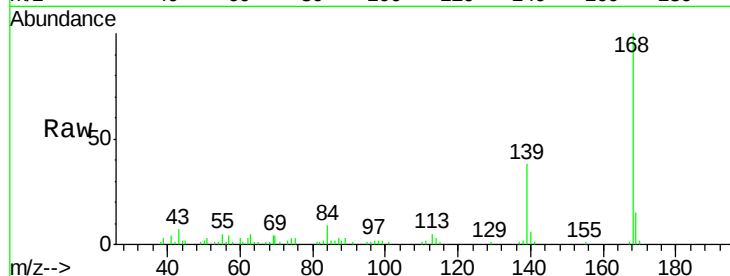
Tot Ion:139 Resp: 15436

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

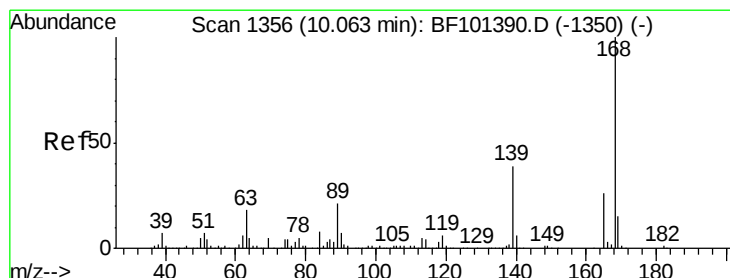
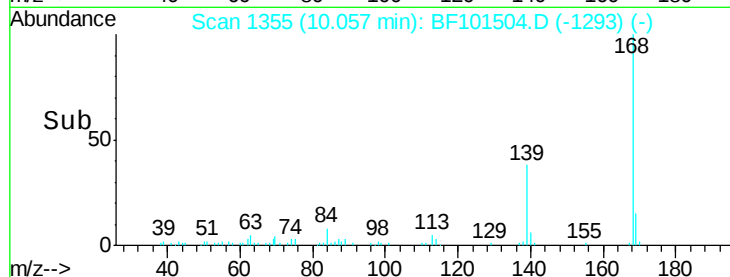
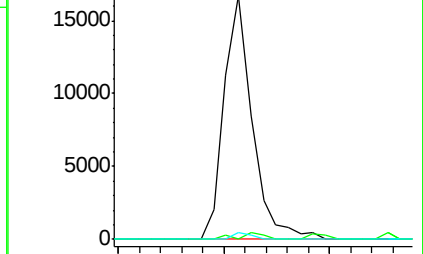
65 2.7 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 7.15 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Tgt Ion:165 Resp: 15984

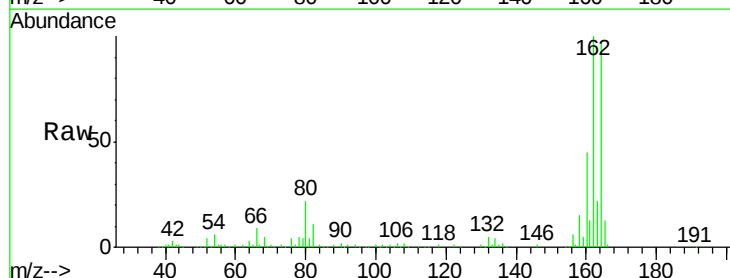
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

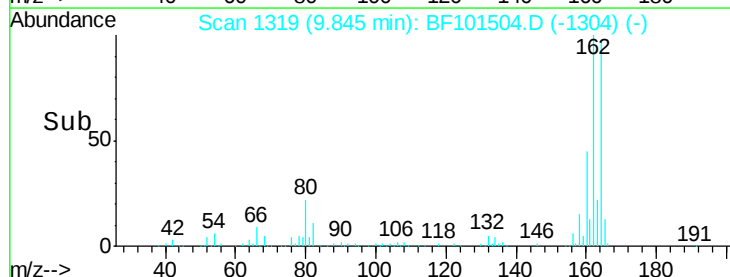
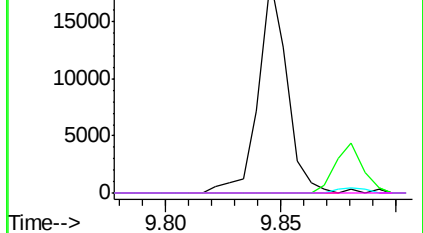


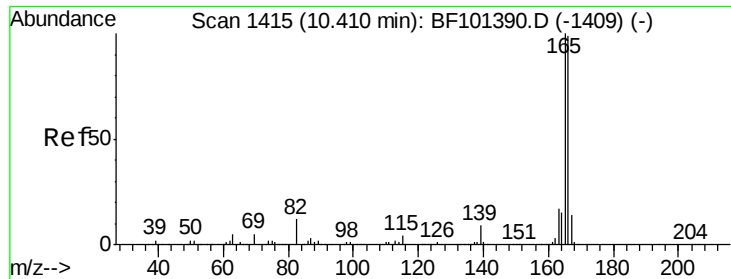
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 4.50 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

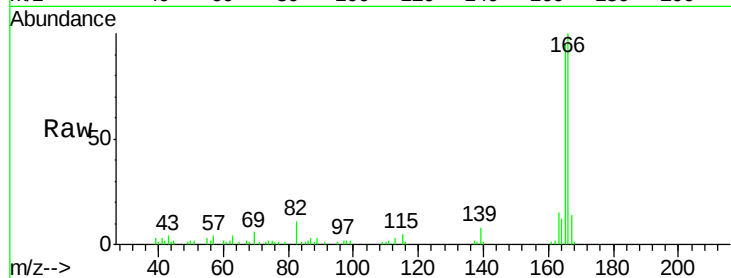
Tot Ion:166 Resp: 37825

Ion Ratio Lower Upper

166 100

165 95.2 79.8 119.8

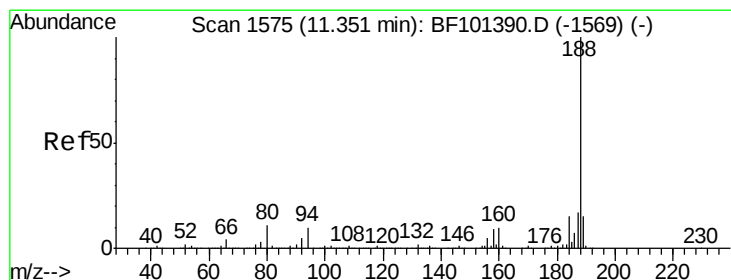
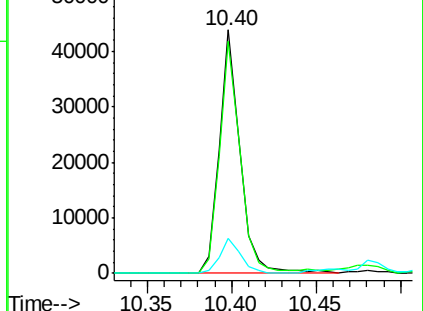
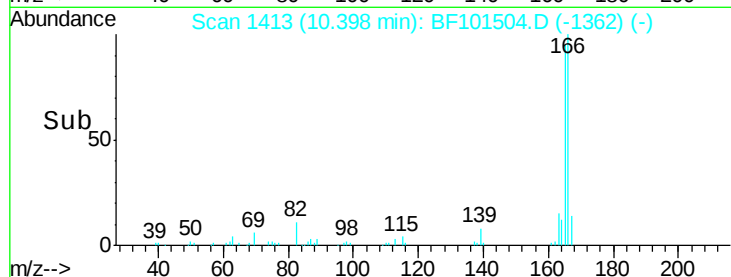
167 14.2 10.6 16.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

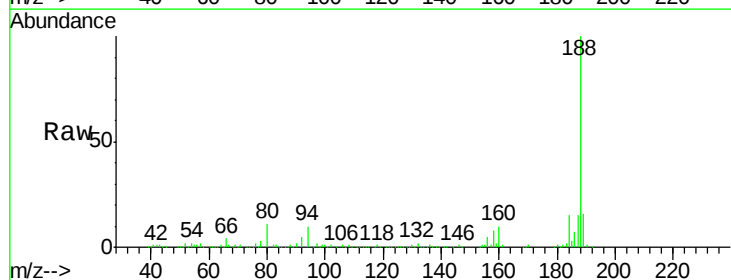
Tgt Ion:188 Resp: 203481

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

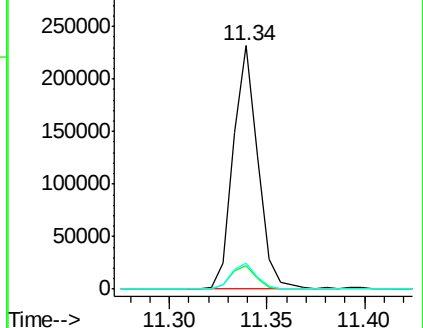
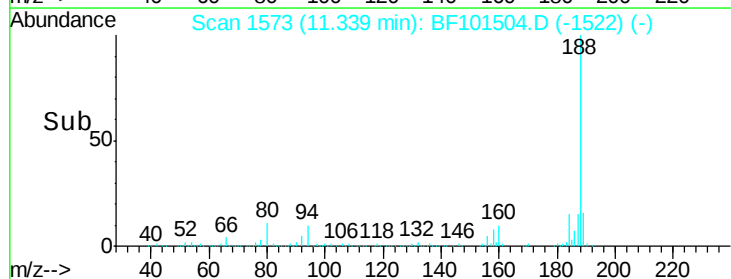
80 10.8 9.2 13.8

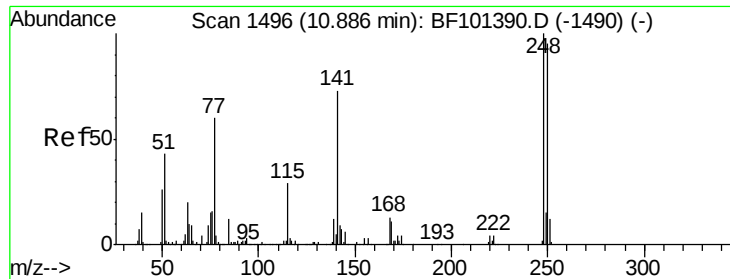


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

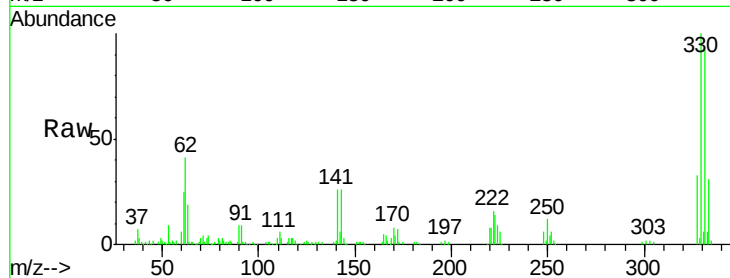




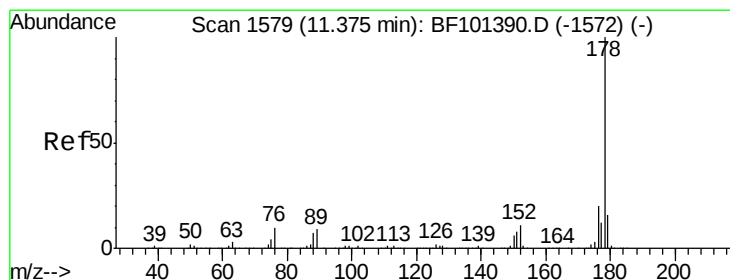
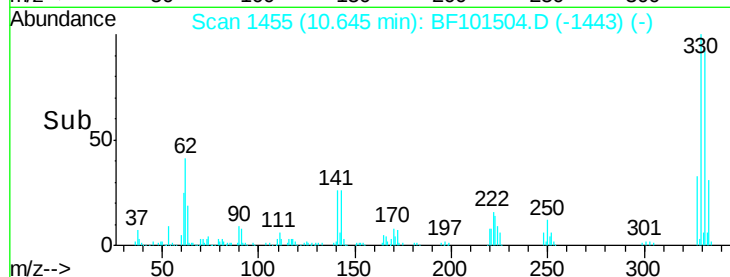
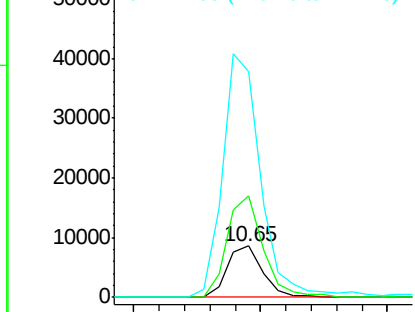
#66
4-Bromophenyl-phenylether
Concen: 3.68 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Instrument :
BNA_F
ClientSampleId :
121217-TIDO-E-D-S

Tot Ion:248 Resp: 8424
Ion Ratio Lower Upper
248 100
250 198.8 76.9 115.3#
141 441.7 74.4 111.6#

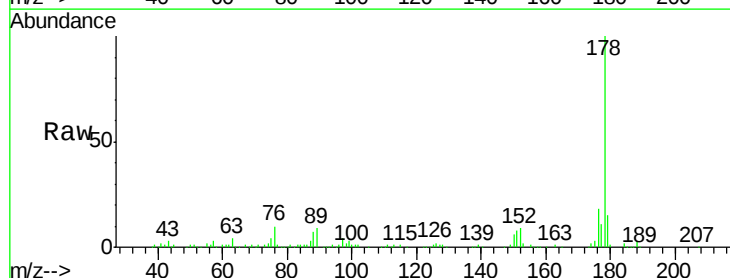


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

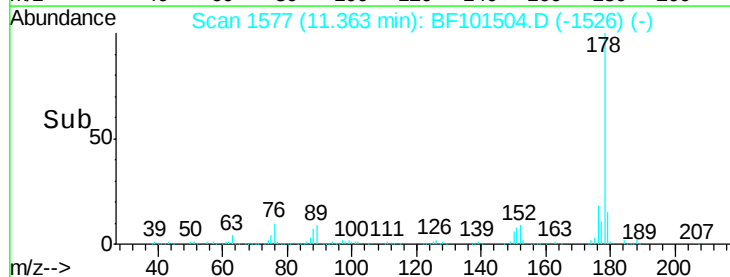
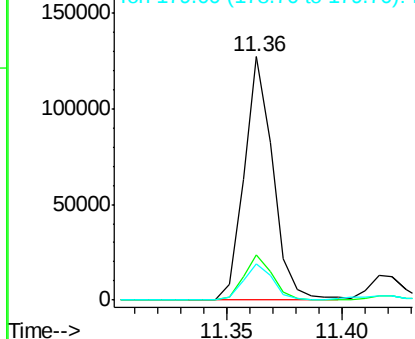


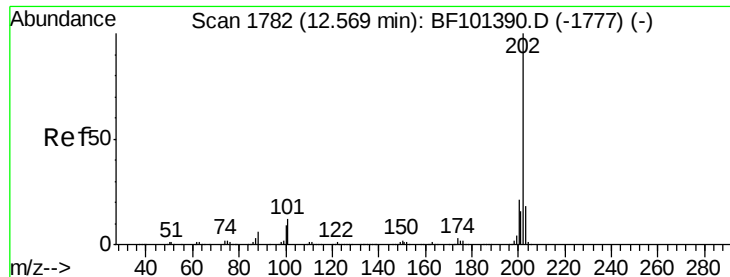
#70
Phenanthrene
Concen: 9.81 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Tgt Ion:178 Resp: 110969
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





#74

Fluoranthene

Concen: 4.20 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

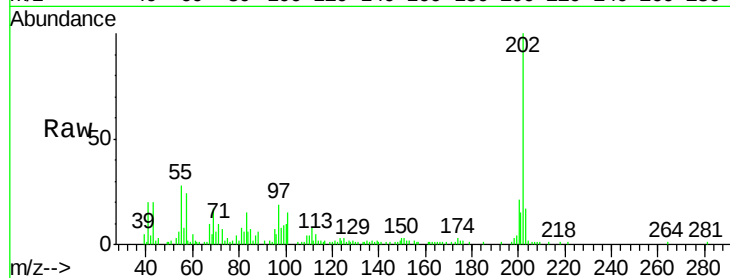
Tot Ion:202 Resp: 49869

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

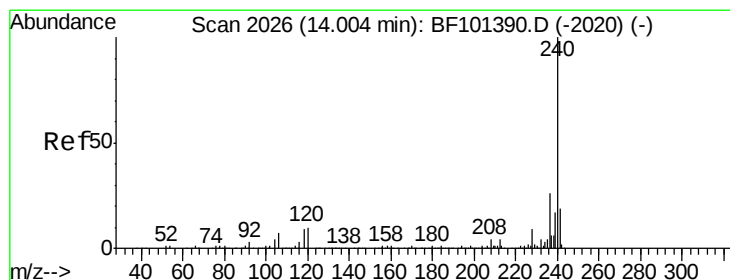
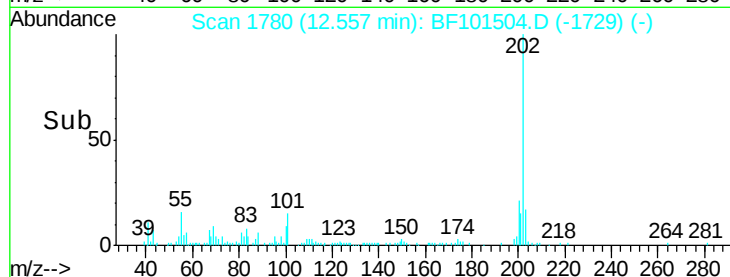
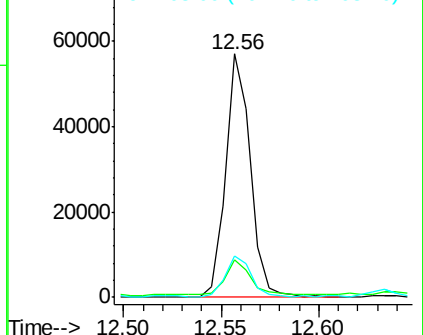
203 17.0 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

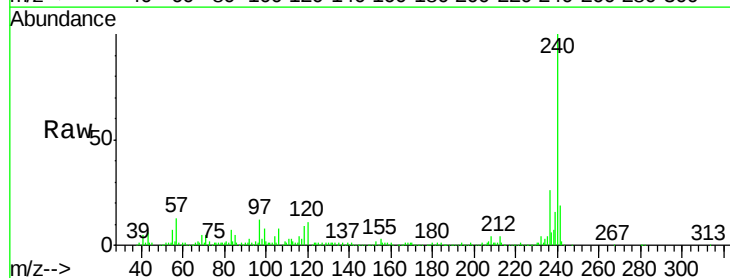
Tgt Ion:240 Resp: 223705

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

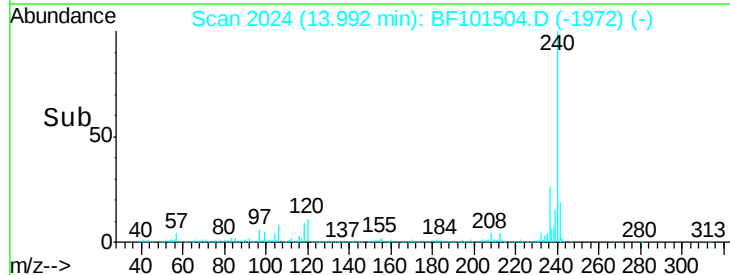
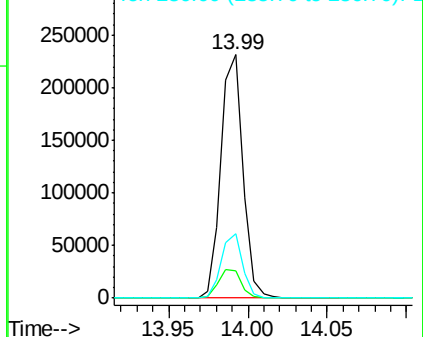
236 26.3 20.7 31.1

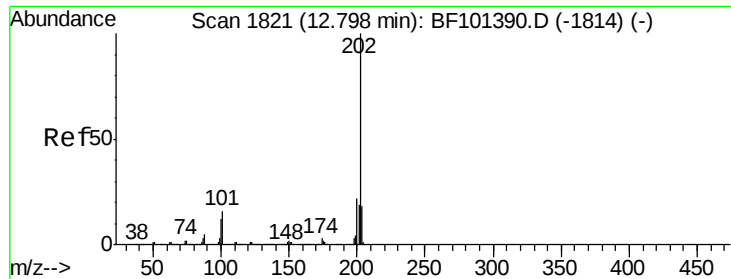


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.05 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

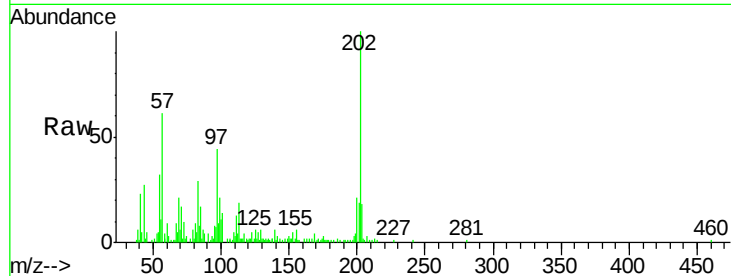
Tot Ion:202 Resp: 34355

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

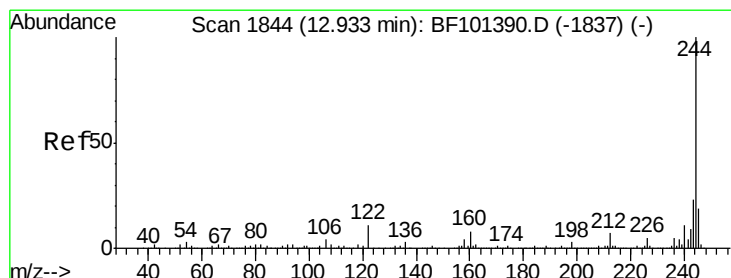
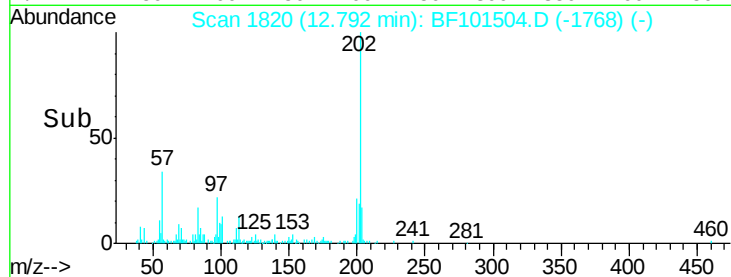
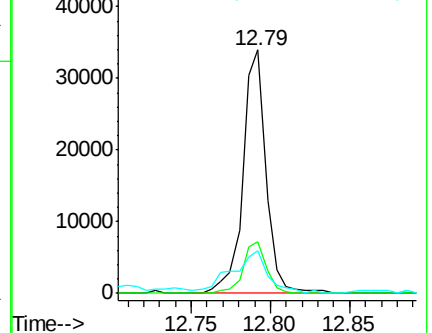
203 17.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 99.08 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

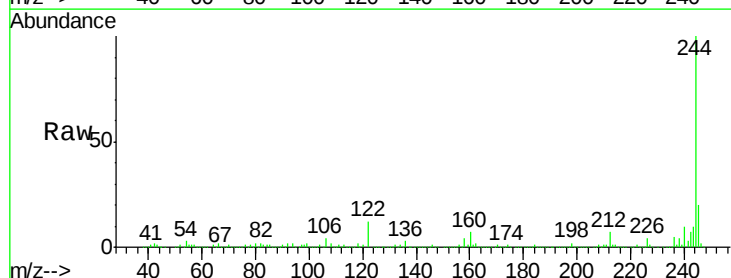
Tgt Ion:244 Resp: 919411

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

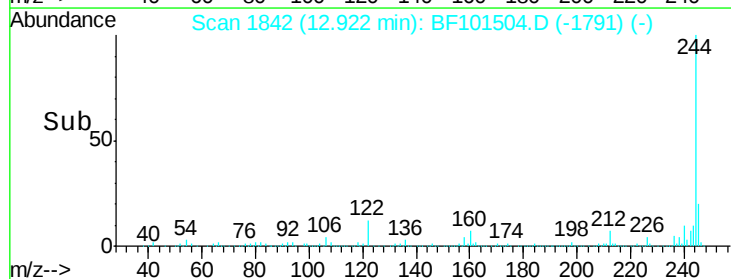
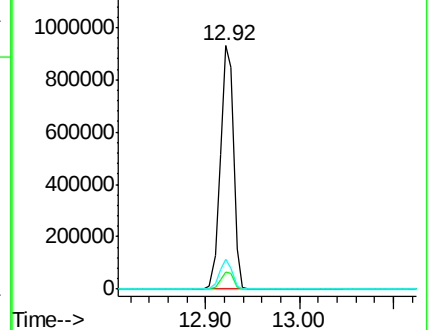
122 12.2 11.0 16.4

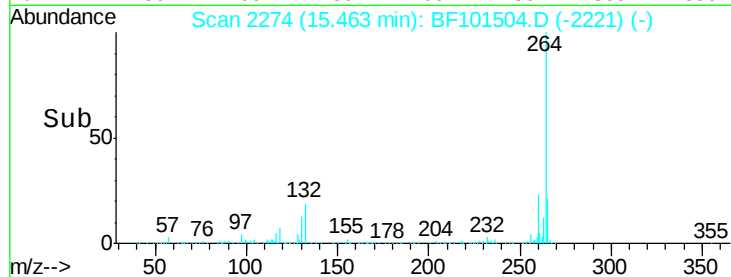
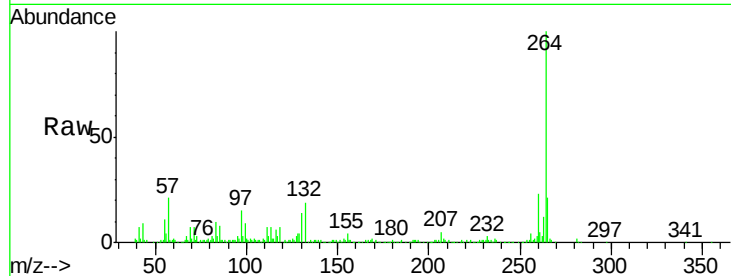
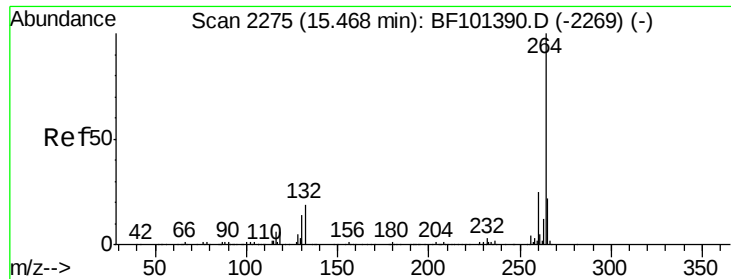


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF101504.D
 Acq: 19 Dec 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

