

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104721.D
 Acq On : 23 Apr 2018 20:29
 Operator : JU/SJ
 Sample : J2499-01RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 01:04:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102218	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	391861	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	153621	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	253828	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175542	20.00	ng	0.00
86) Perylene-d12	15.46	264	132014	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	665124	99.49	ng	0.02
7) Phenol-d6	6.46	99	786388	95.74	ng	0.01
23) Nitrobenzene-d5	7.37	82	425560	70.91	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	151426	95.02	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	731610	75.23	ng	0.00
78) Terphenyl-d14	12.93	244	570467	74.09	ng	0.00

Target Compounds

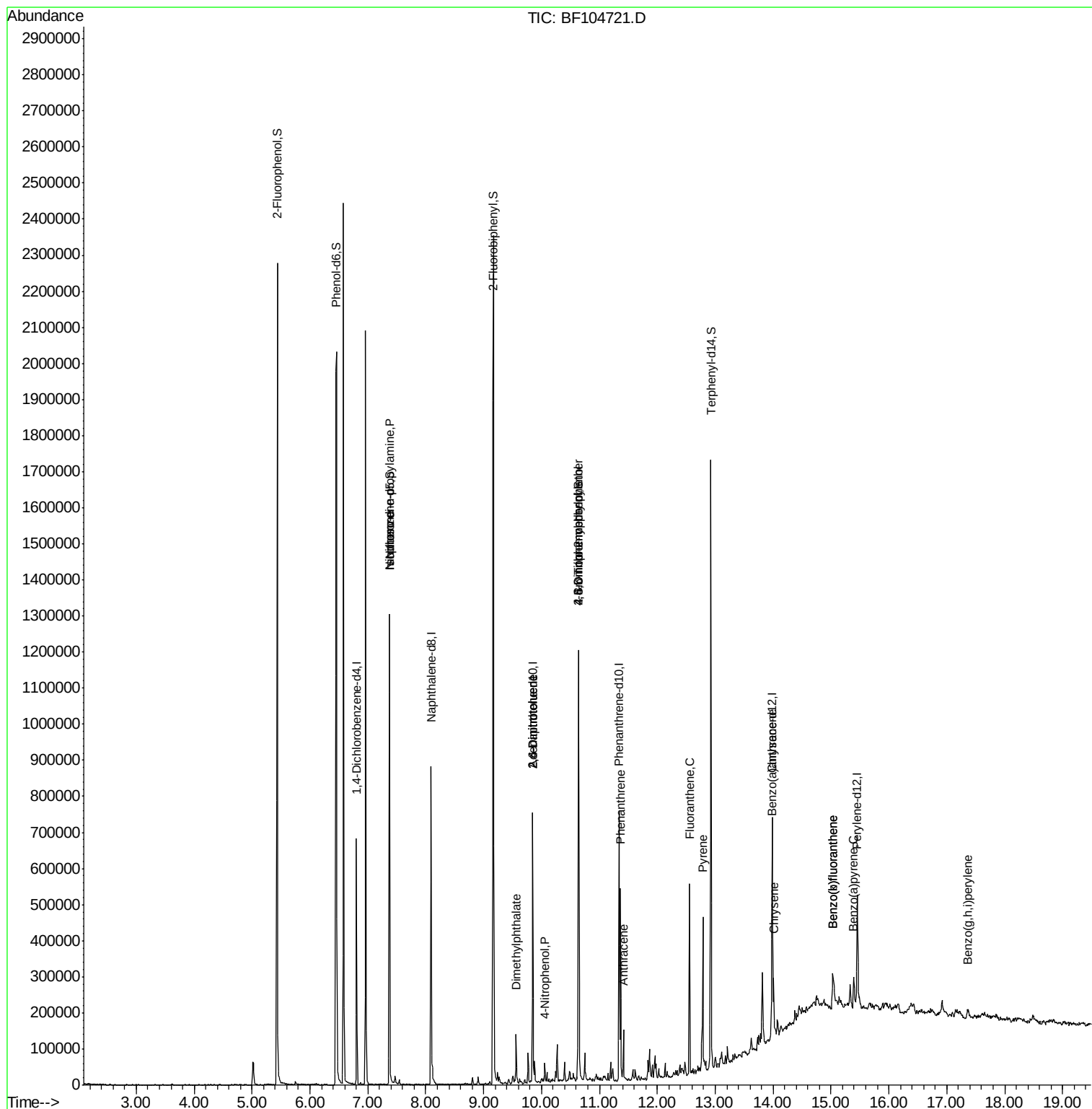
						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	54090	10.078	ng	# 72
25) Isophorone	7.37	82	425556	33.534	ng	# 64
49) Dimethylphthalate	9.56	163	58526	4.831	ng	98
50) 2,6-Dinitrotoluene	9.85	165	20580	9.181	ng	# 24
55) 4-Nitrophenol	10.05	139	7291	3.537	ng	# 11
56) 2,4-Dinitrotoluene	9.85	165	20580	6.999	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.64	198	128	7.435	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9002	3.334	ng	# 1
70) Phenanthrene	11.36	178	174960	12.377	ng	97
71) Anthracene	11.42	178	58212	4.051	ng	99
74) Fluoranthene	12.56	202	204112	13.820	ng	96
76) Benzidine	12.93	184	7486	Below Cal		97
77) Pyrene	12.79	202	166854	12.823	ng	98
80) Benzo(a)anthracene	13.97	228	72015	6.867	ng	99
82) Chrysene	14.01	228	58373	5.419	ng	96
87) Benzo(b)fluoranthene	15.03	252	73861	8.859	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	73861	9.383	ng	# 97
89) Benzo(a)pyrene	15.39	252	38418	5.150	ng	# 88
91) Benzo(a,h,i)perylene	17.36	276	19426	3.273	ng	# 92

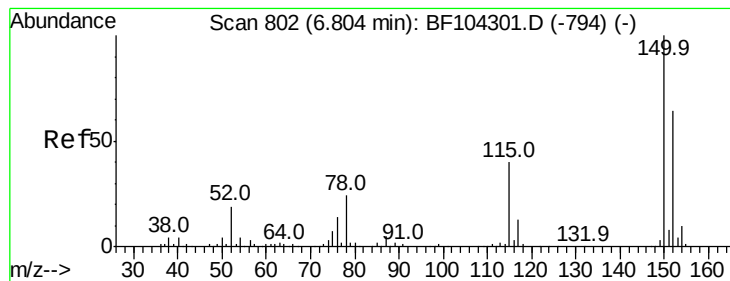
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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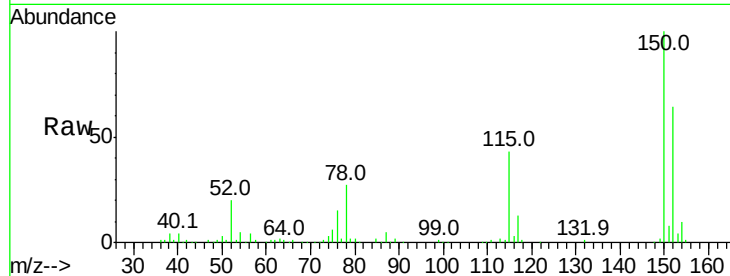


#1

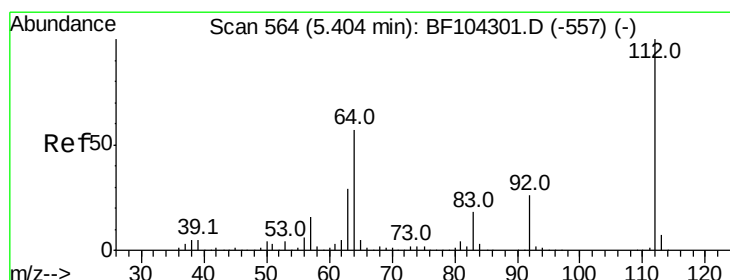
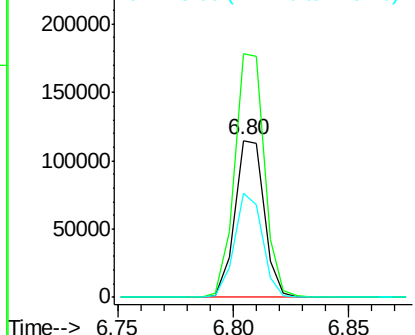
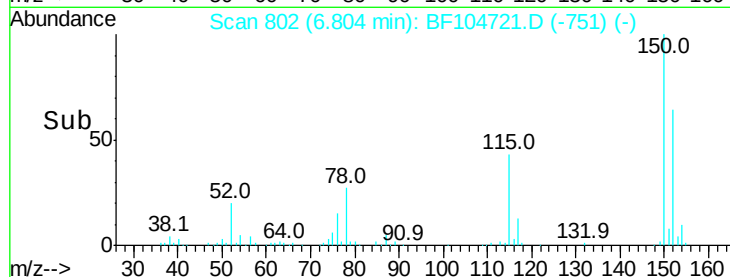
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 102218
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 66.7 50.1 75.1



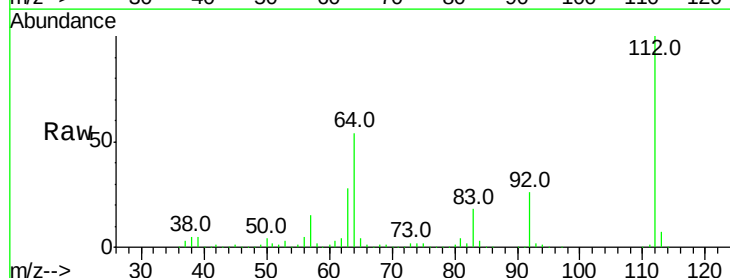
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



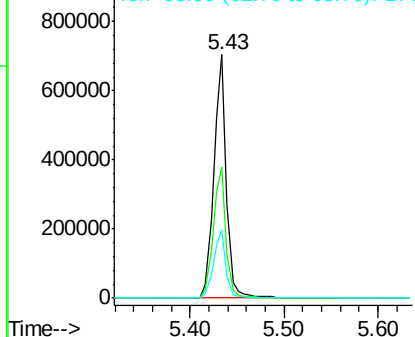
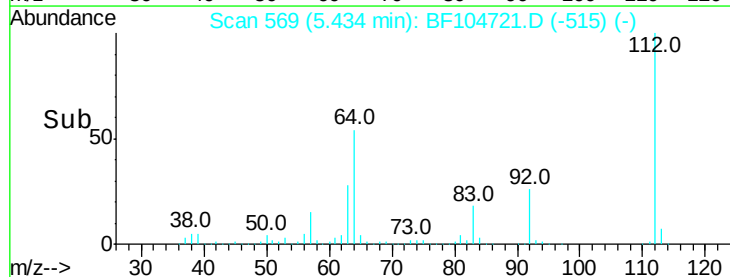
#5

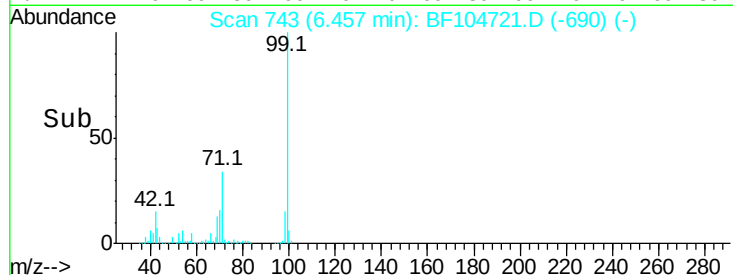
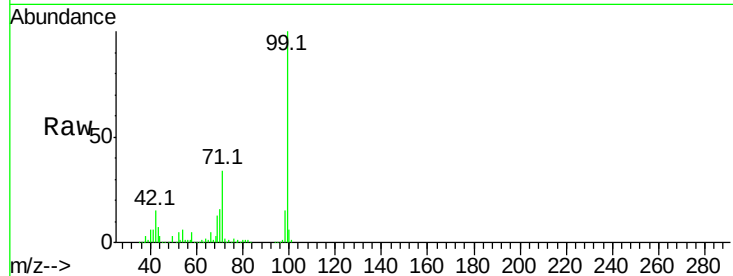
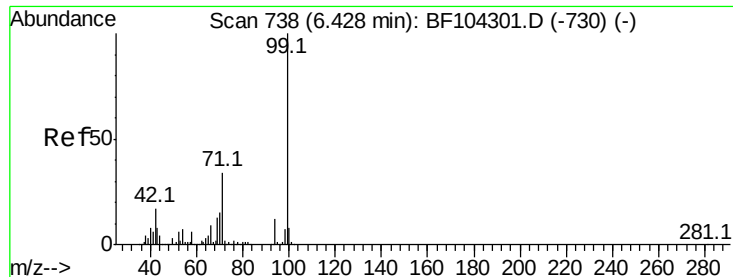
2-Fluorophenol
Concen: 99.494 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion:112 Resp: 665124
Ion Ratio Lower Upper
112 100
64 53.8 47.9 71.9
63 27.9 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: 95.741 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Instrument :

BNA_F

ClientSampleId :

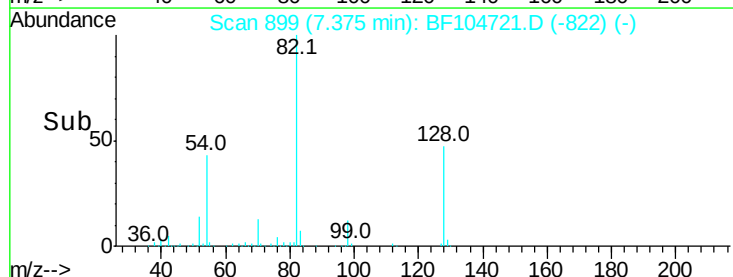
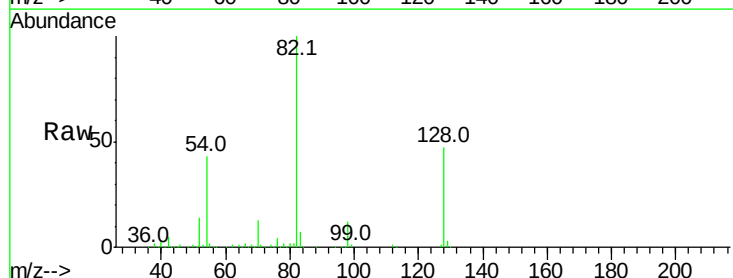
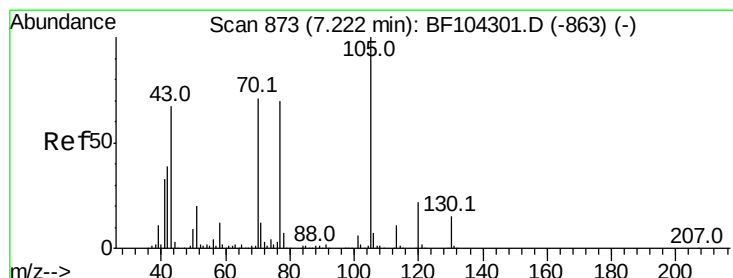
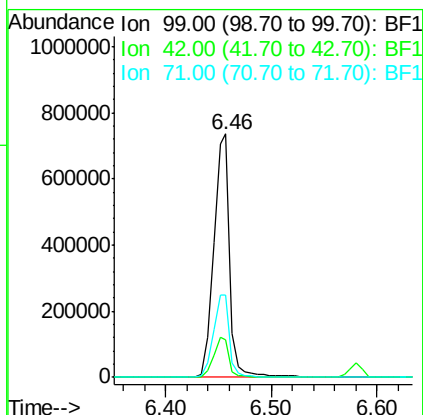
Tot Ion: 99 Resp: 786388

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.078 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Tgt Ion: 70 Resp: 54090

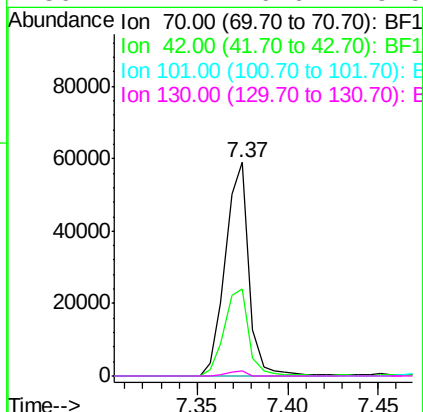
Ion Ratio Lower Upper

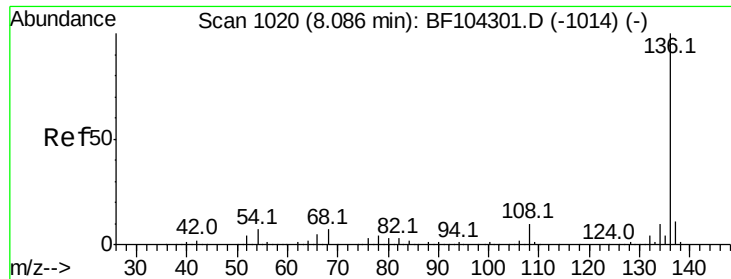
70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

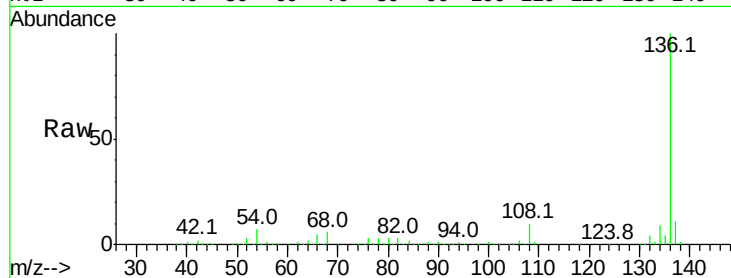




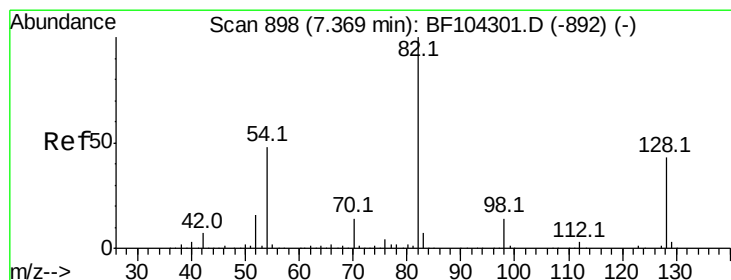
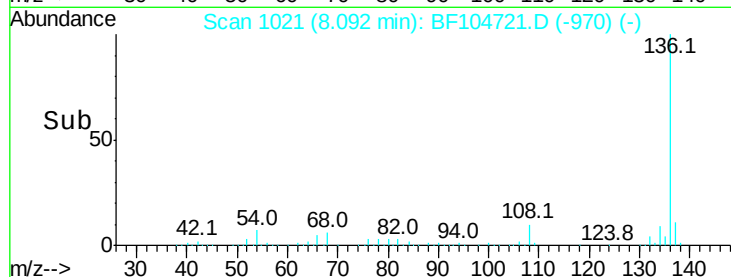
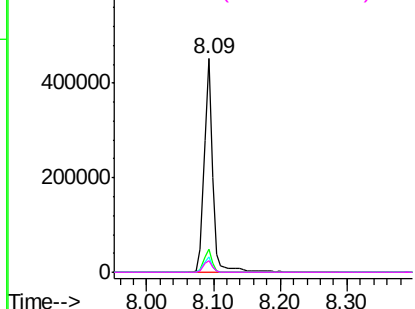
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	391861
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	6.6	9.8
68	5.7	5.0	7.4

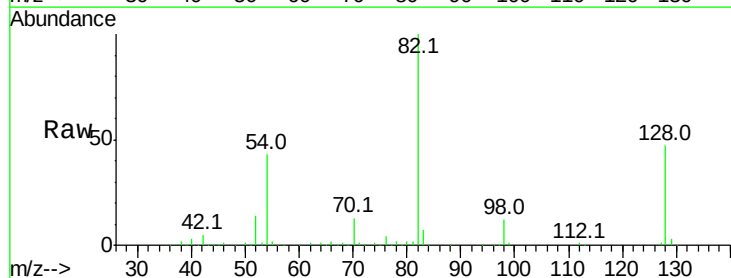


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

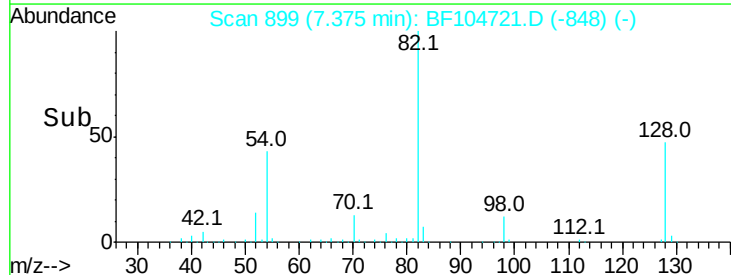
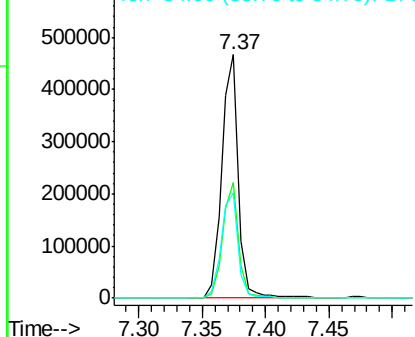


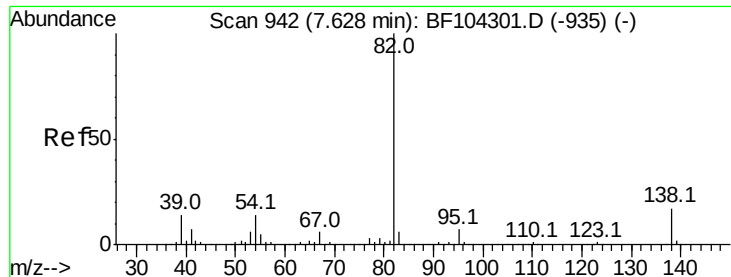
#23
Nitrobenzene-d5
Concen: 70.914 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion:	82	Resp:	425560
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	43.5	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: 33.534 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Instrument :

BNA_F

ClientSampleId :

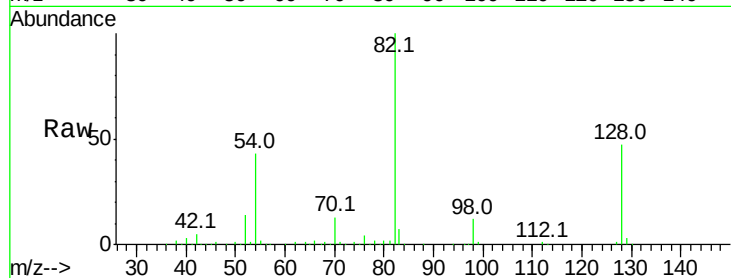
Tot Ion: 82 Resp: 425556

Ion Ratio Lower Upper

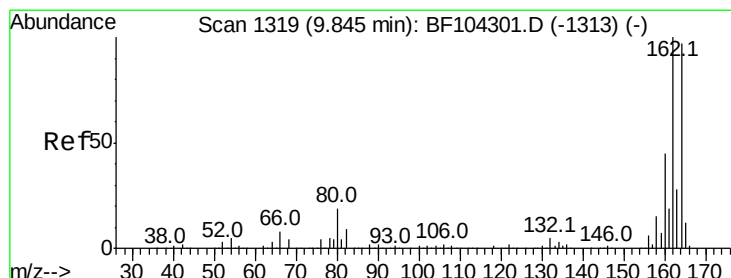
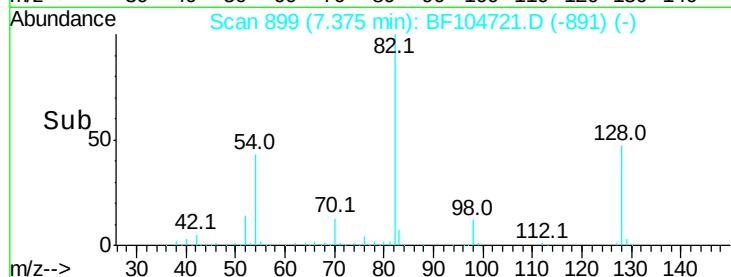
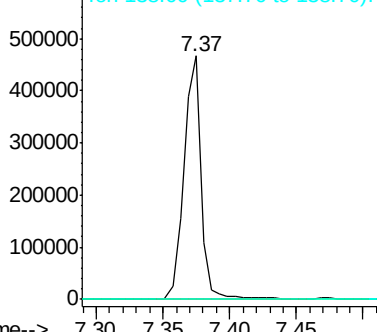
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

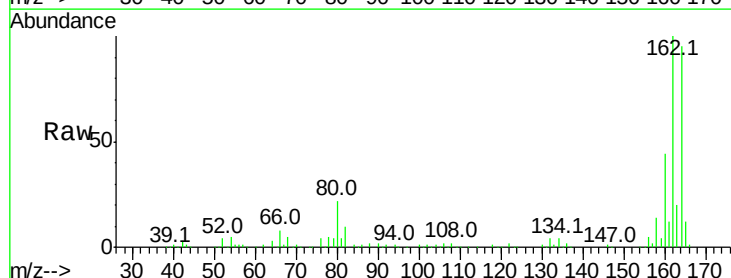
Tgt Ion:164 Resp: 153621

Ion Ratio Lower Upper

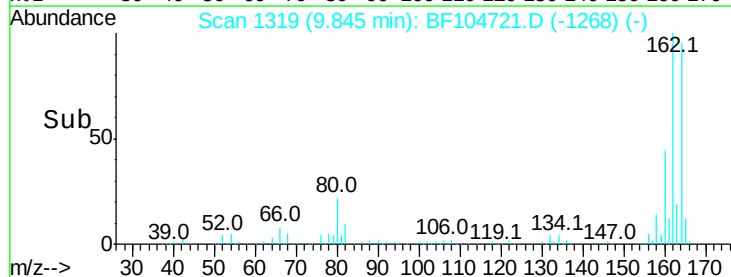
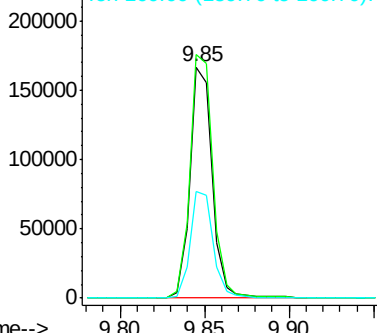
164 100

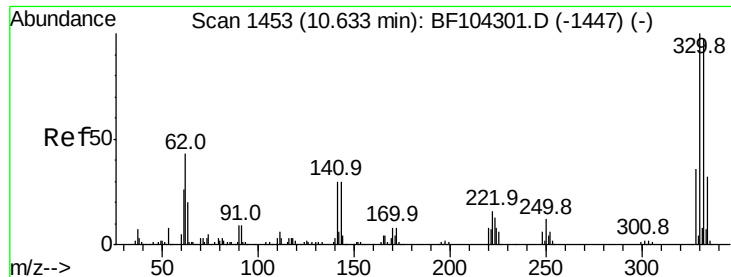
162 105.5 86.1 129.1

160 46.4 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

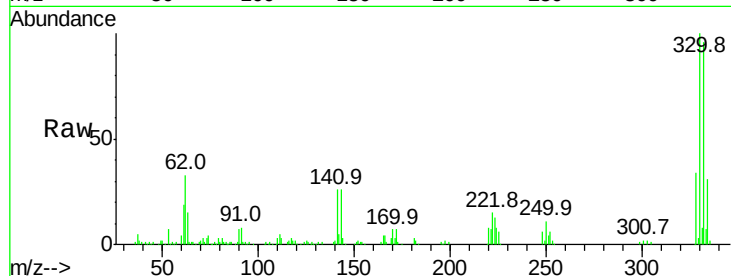




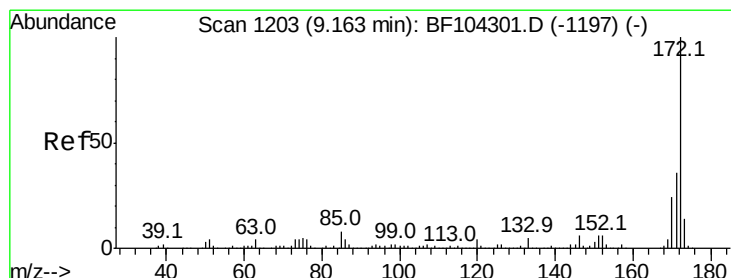
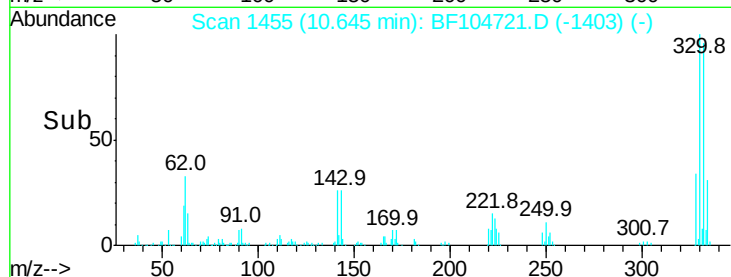
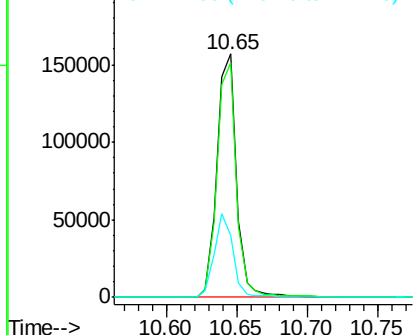
#41
 2,4,6-Tribromophenol
 Concen: 95.024 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	33.4	29.9	44.9

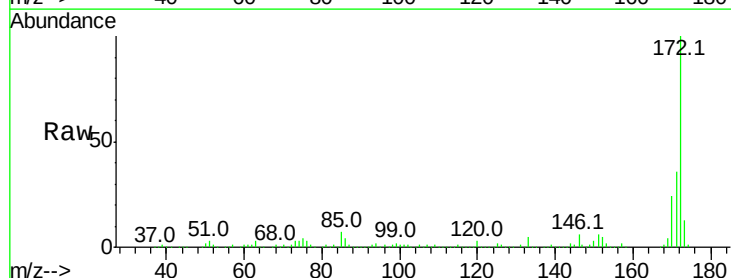


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

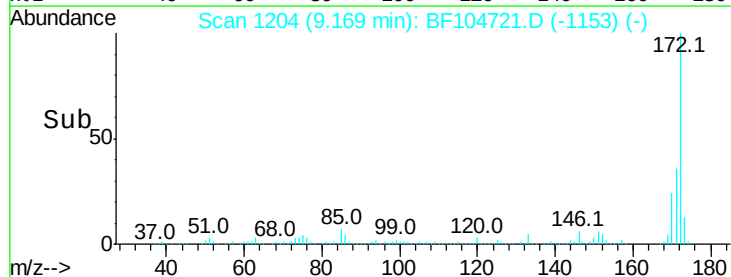
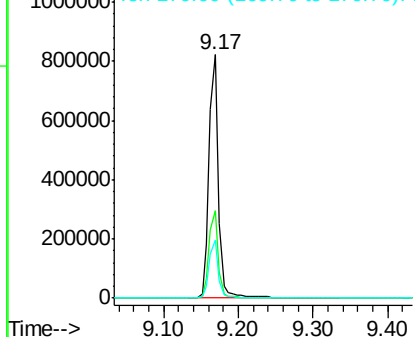


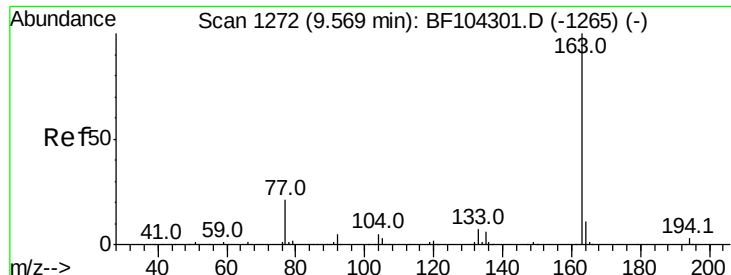
#44
 2-Fluorobiphenyl
 Concen: 75.235 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	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

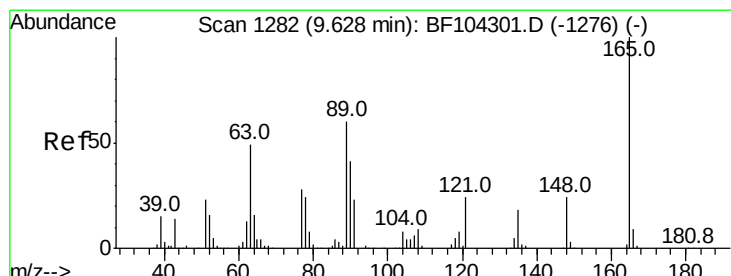
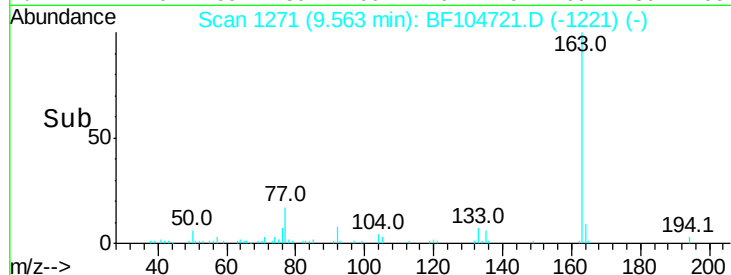
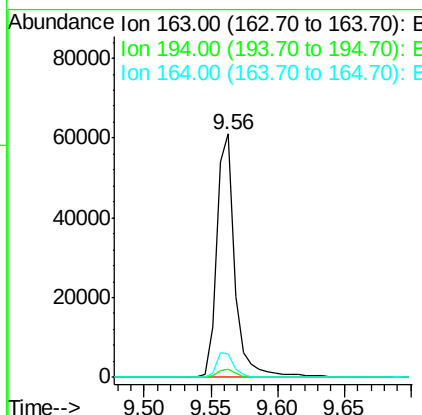
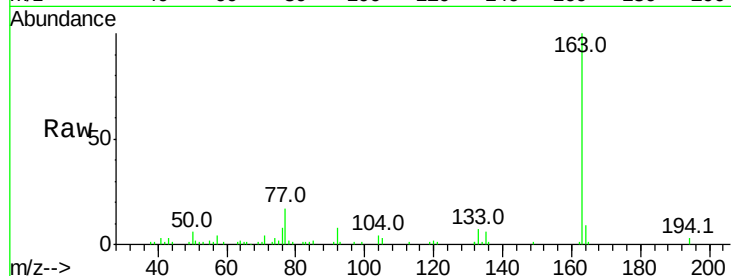




#49
Dimethylphthalate
Concen: 4.831 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

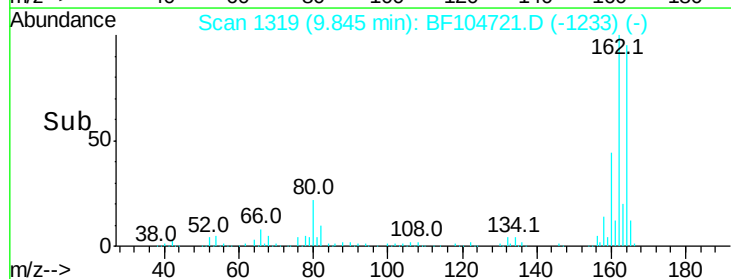
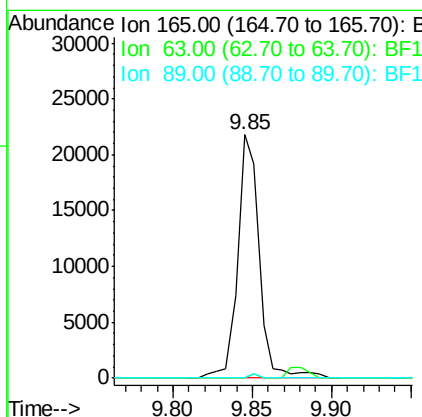
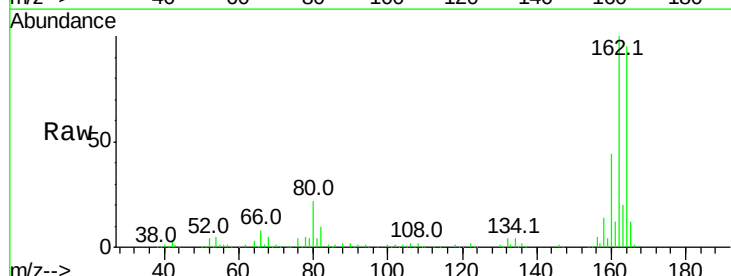
Instrument :
BNA_F
ClientSampleId :

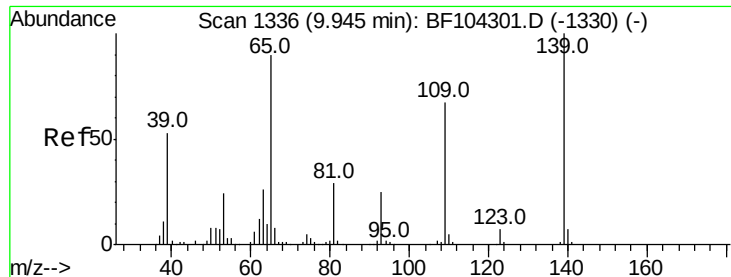
Tot Ion:163 Resp: 58526
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.5 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 9.181 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion:165 Resp: 20580
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#55

4-Nitrophenol

Concen: 3.537 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.08 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Instrument :

BNA_F

ClientSampleId :

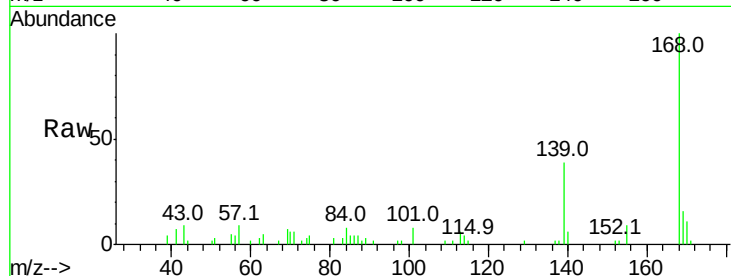
Tot Ion:139 Resp: 7291

Ion Ratio Lower Upper

139 100

109 4.8 48.4 88.4#

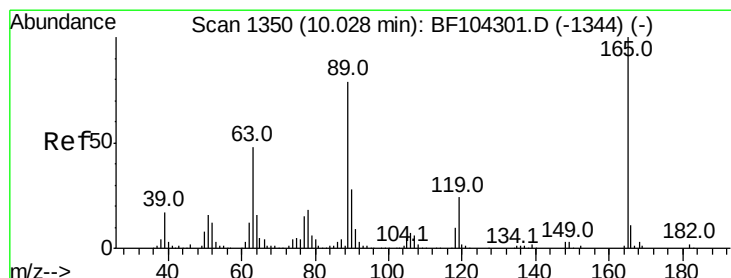
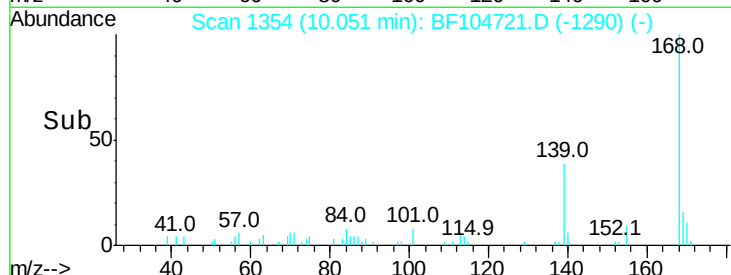
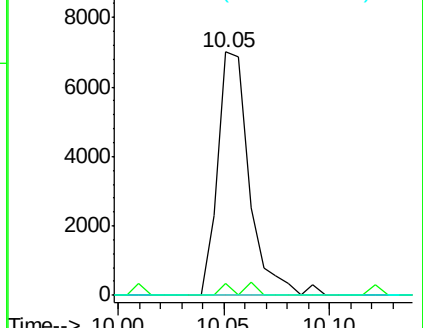
65 0.0 72.6 112.6#



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: 6.999 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Tgt Ion:165 Resp: 20580

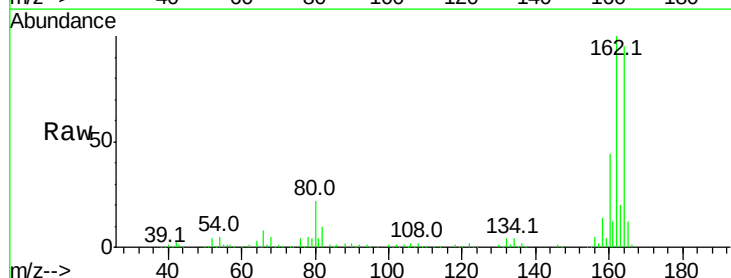
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

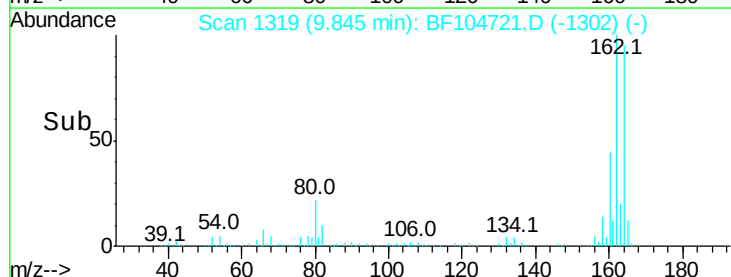
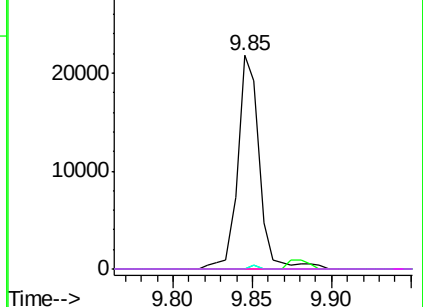


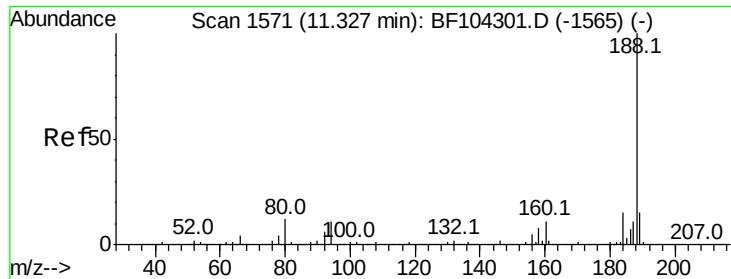
Abundance Ion 165.00 (164.70 to 165.70): E

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

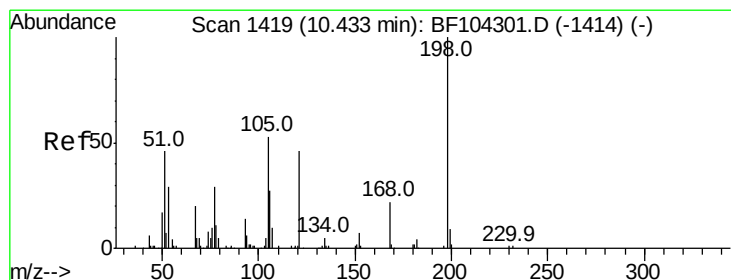
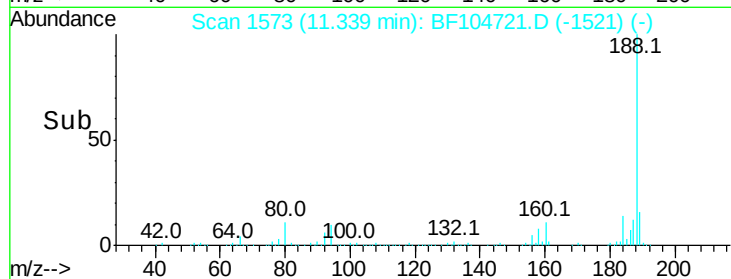
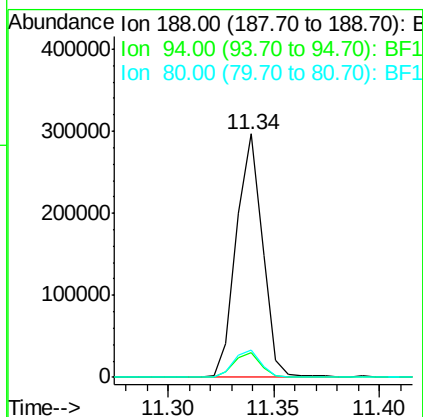
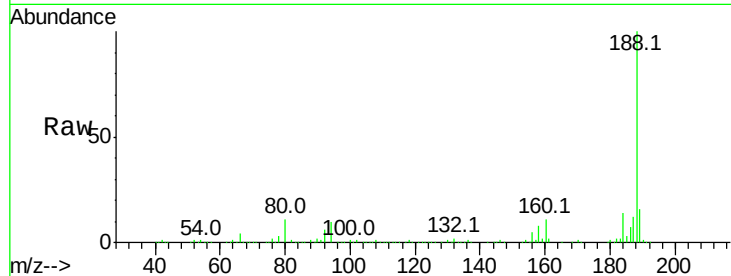




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

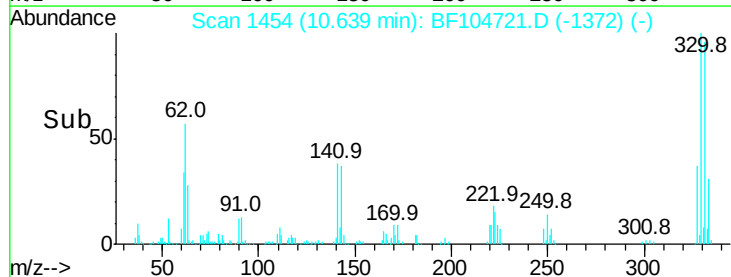
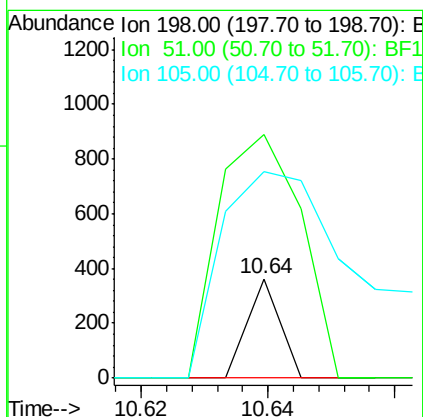
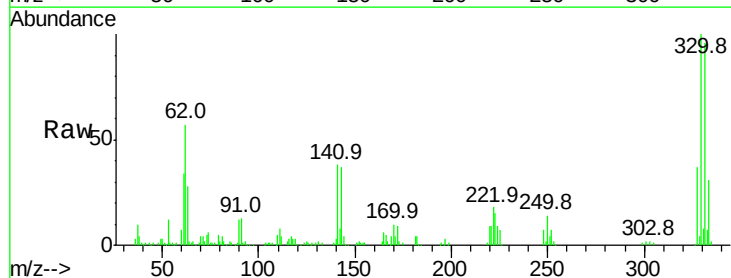
Instrument :
 BNA_F
 ClientSampleId :

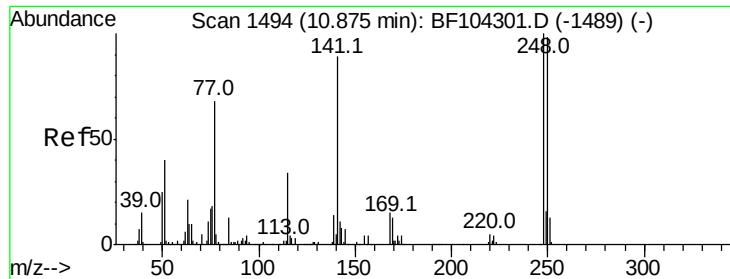
Tot Ion:188 Resp: 253828
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 11.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.435 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion:198 Resp: 128
 Ion Ratio Lower Upper
 198 100
 51 245.6 37.7 77.7#
 105 208.6 36.3 76.3#

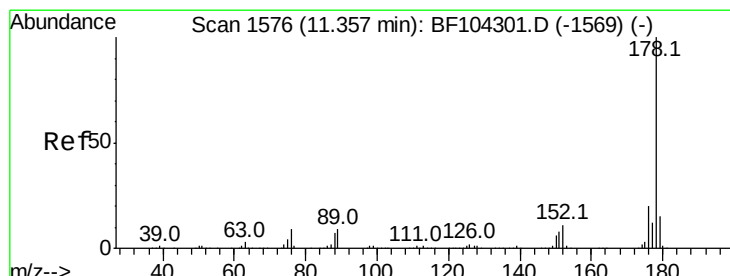
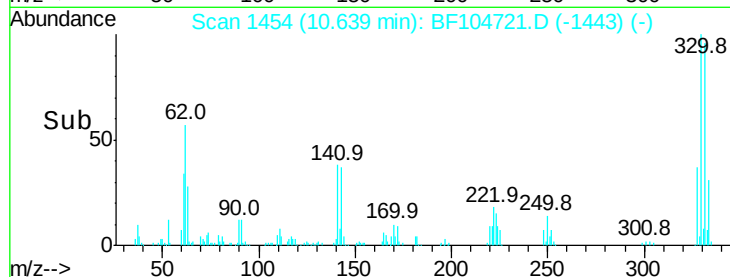
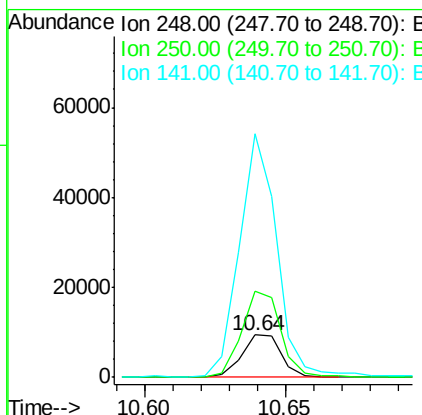
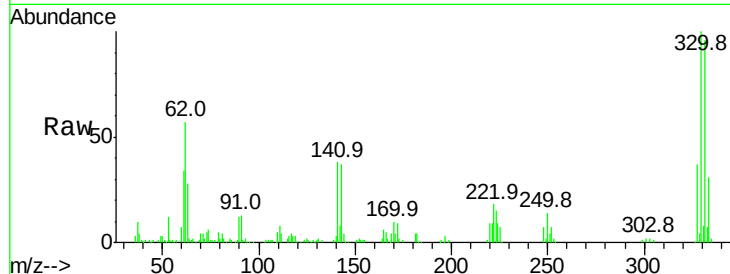




#66
 4-Bromophenyl-phenylether
 Concen: 3.334 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

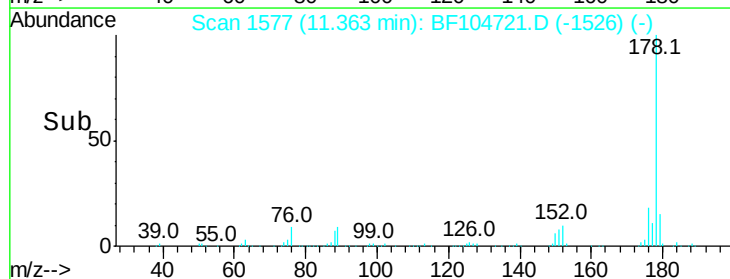
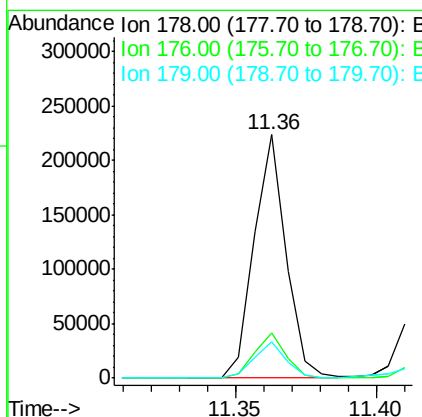
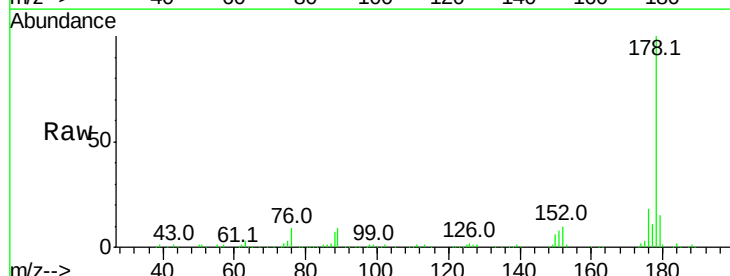
Instrument :
 BNA_F
 ClientSampleId :

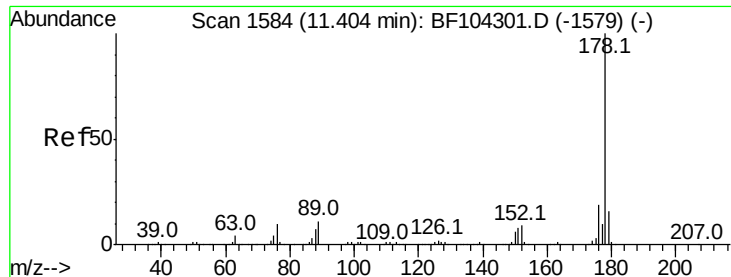
Tot Ion:248 Resp: 9002
 Ion Ratio Lower Upper
 248 100
 250 205.3 76.9 115.3#
 141 577.1 74.4 111.6#



#70
 Phenanthrene
 Concen: 12.377 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion:178 Resp: 174960
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 14.9 13.0 19.6

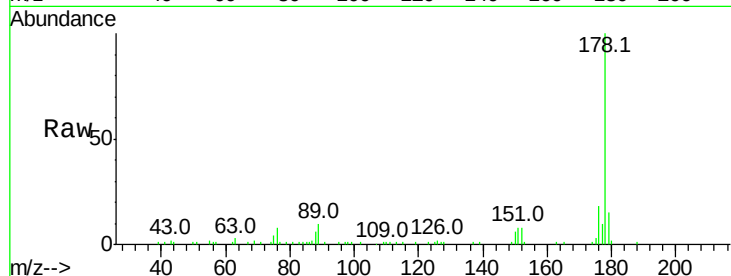




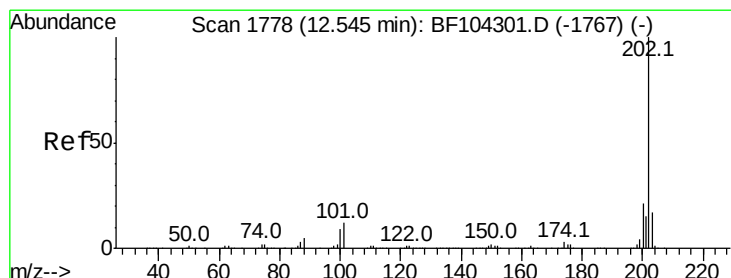
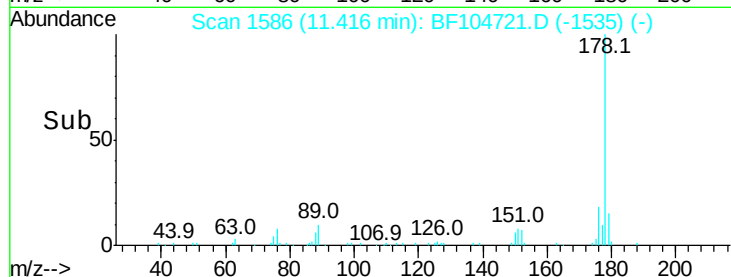
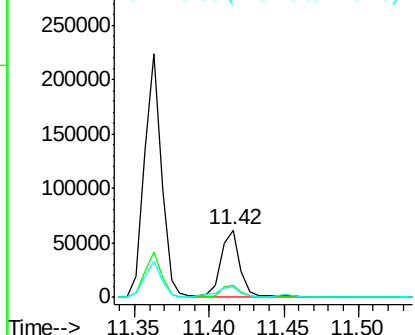
#71
 Anthracene
 Concen: 4.051 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 58212
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.5 12.6 19.0

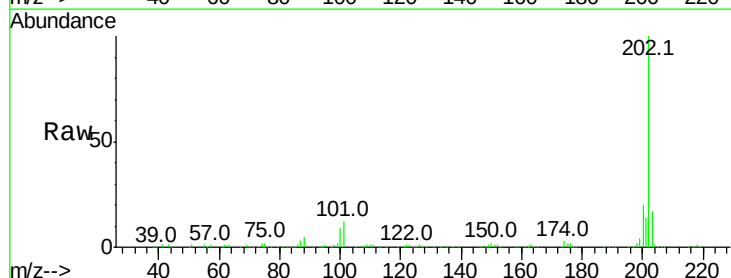


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

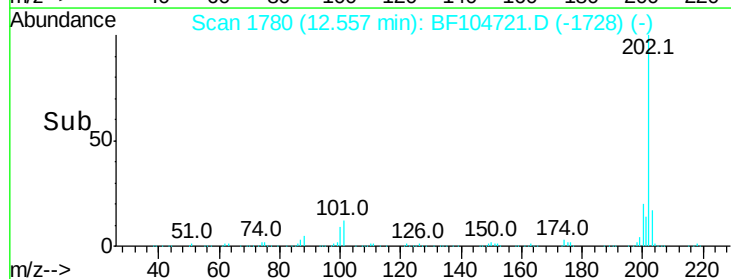
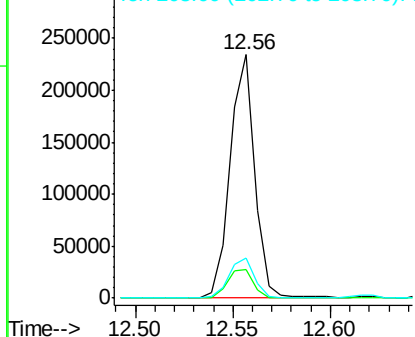


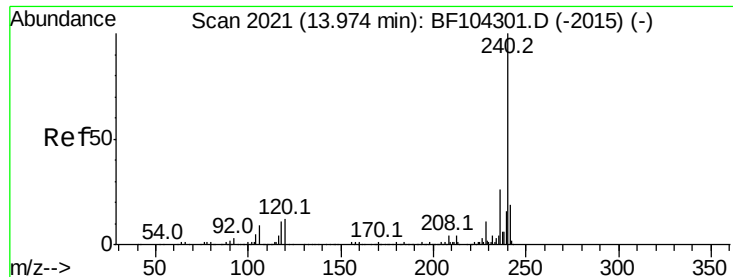
#74
 Fluoranthene
 Concen: 13.820 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion:202 Resp: 204112
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 34.1
 203 16.7 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: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Instrument :

BNA_F

ClientSampleId :

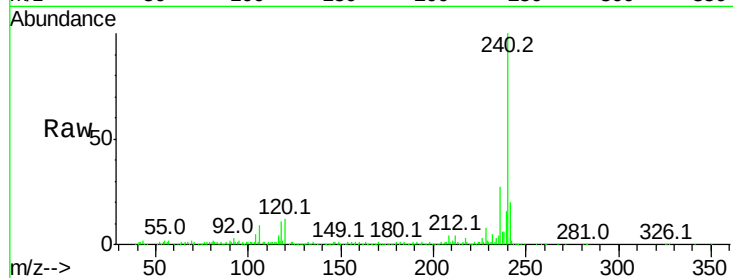
Tot Ion:240 Resp: 175542

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

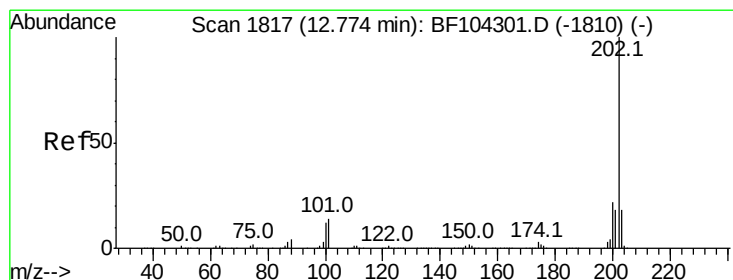
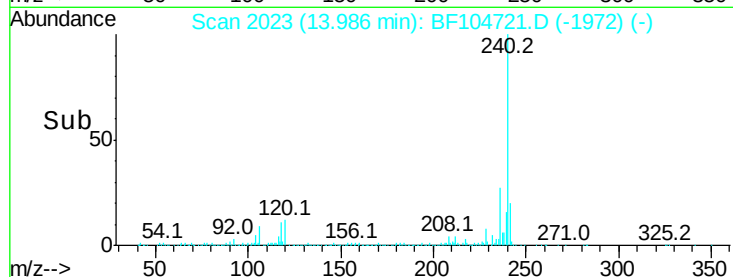
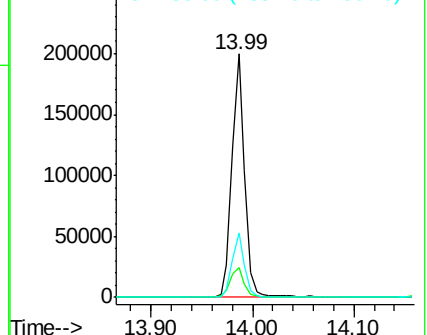
236 26.7 20.7 31.1



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

Pyrene

Concen: 12.823 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

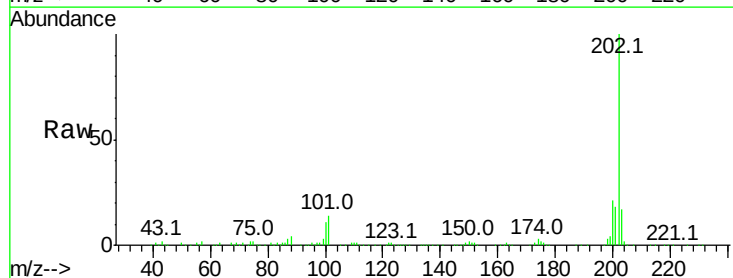
Tgt Ion:202 Resp: 166854

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

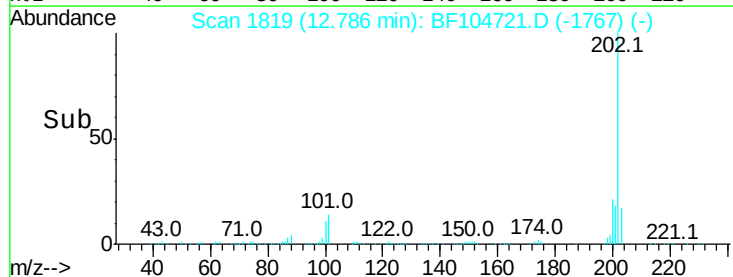
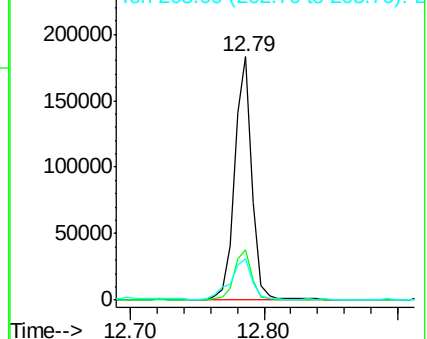
203 16.9 14.3 21.5

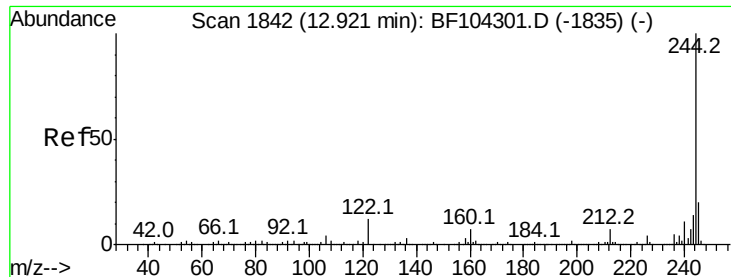


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.089 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Instrument :

BNA_F

ClientSampleId :

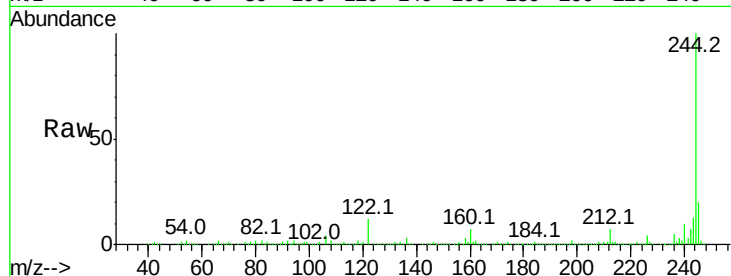
Tot Ion:244 Resp: 570467

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

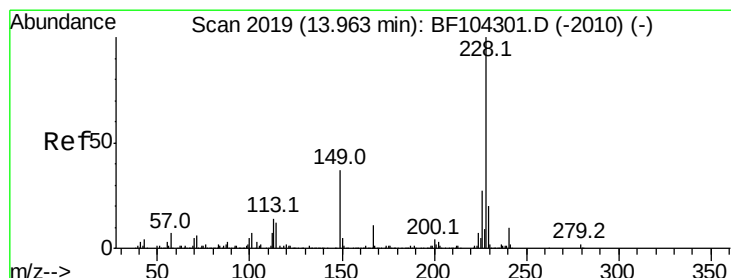
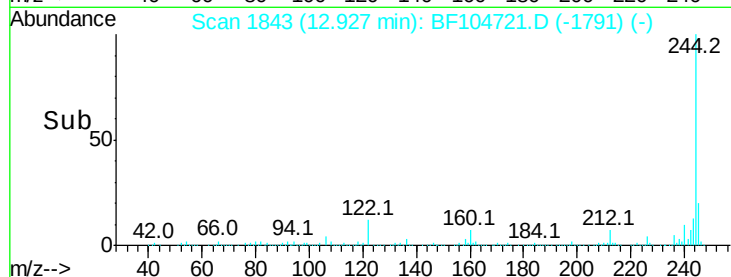
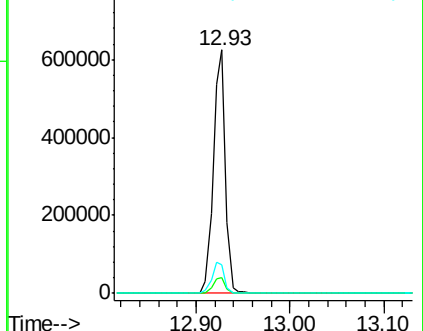
122 11.5 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 6.867 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

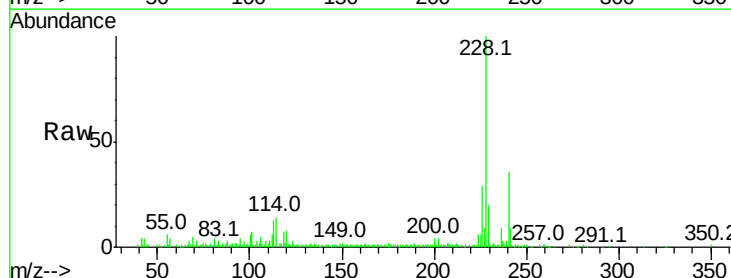
Tgt Ion:228 Resp: 72015

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

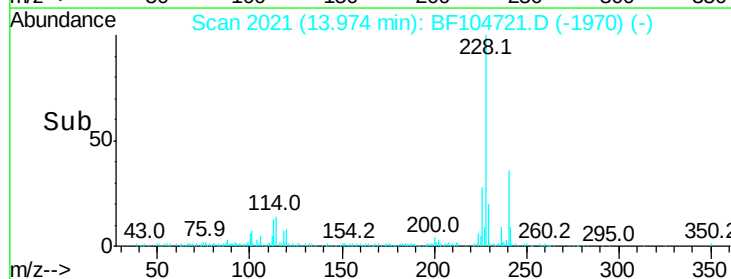
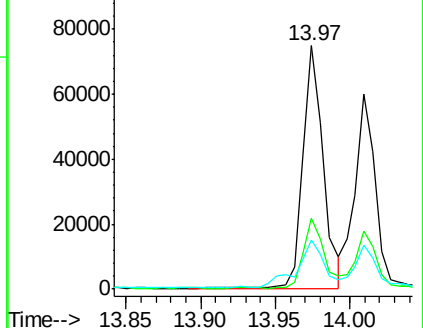
229 20.3 15.8 23.6

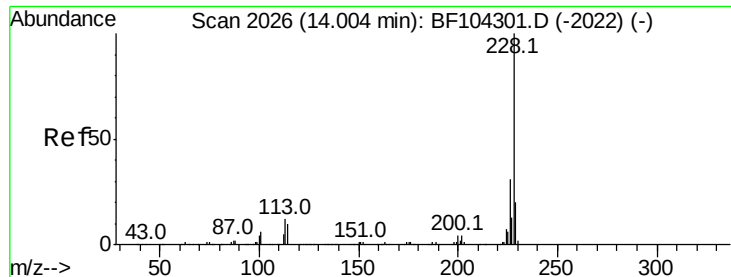


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

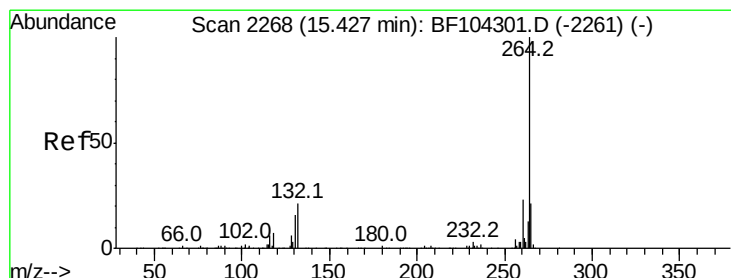
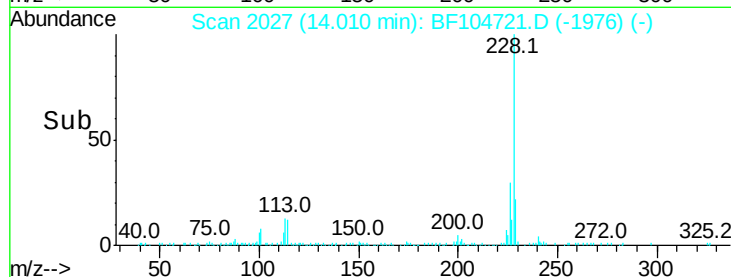
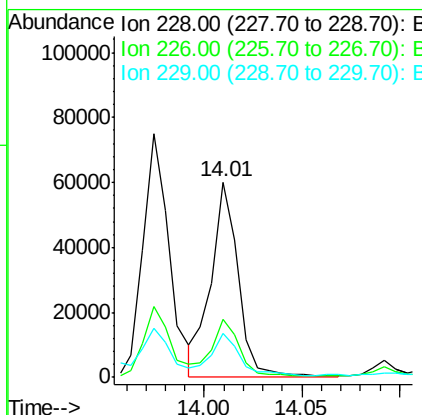
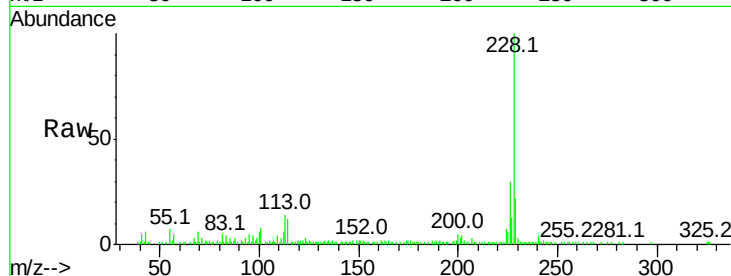




#82
Chrysene
Concen: 5.419 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

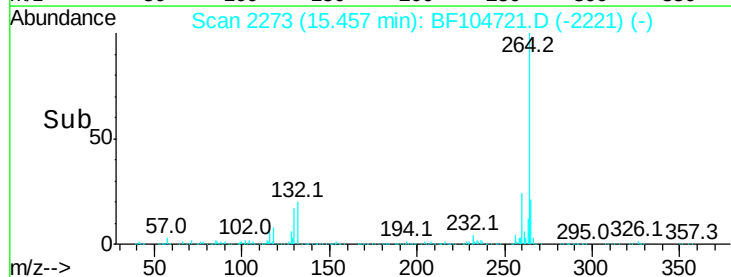
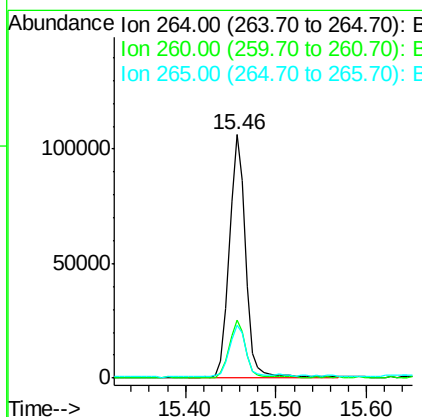
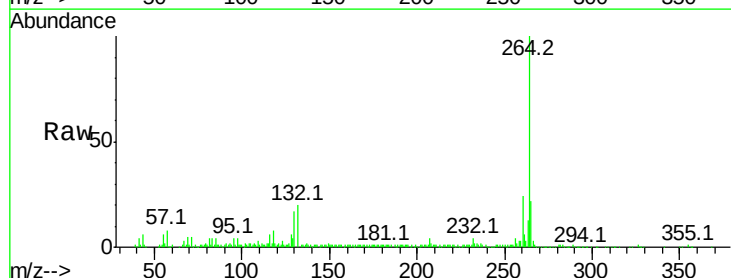
Instrument :
BNA_F
ClientSampleId :

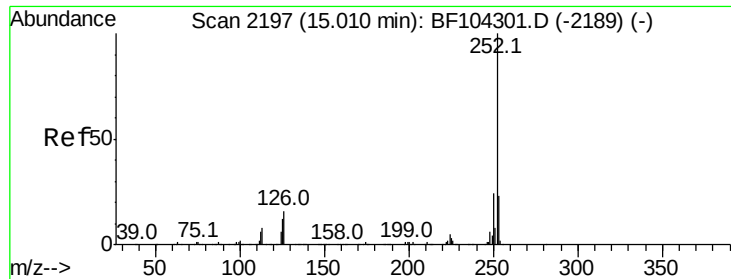
Tot Ion:228 Resp: 58373
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 22.2 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion:264 Resp: 132014
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.6 17.5 26.3

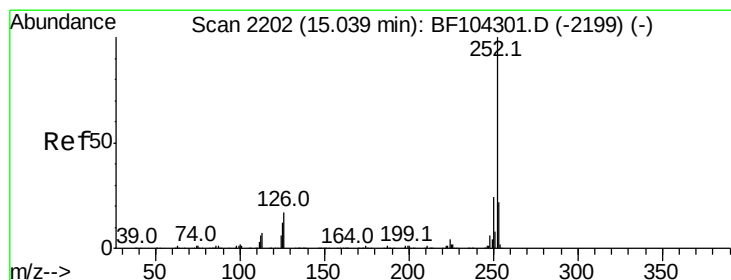
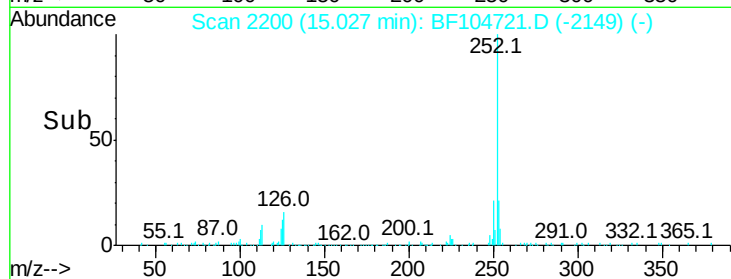
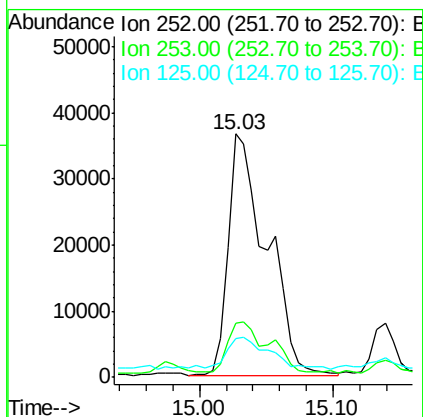
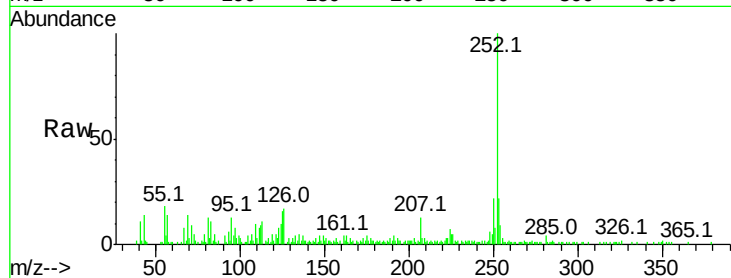




#87
 Benzo(b)fluoranthene
 Concen: 8.859 ng
 RT: 15.03 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

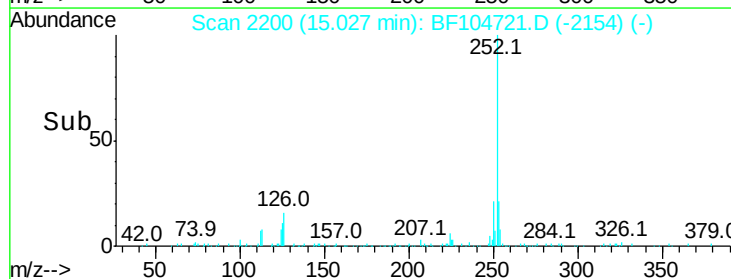
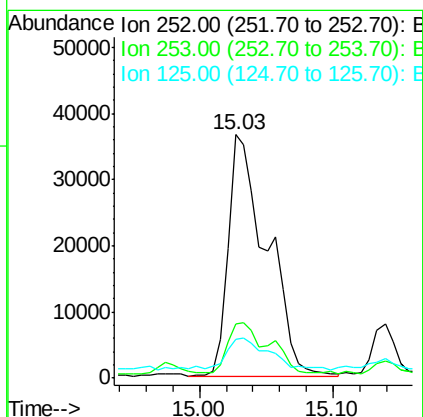
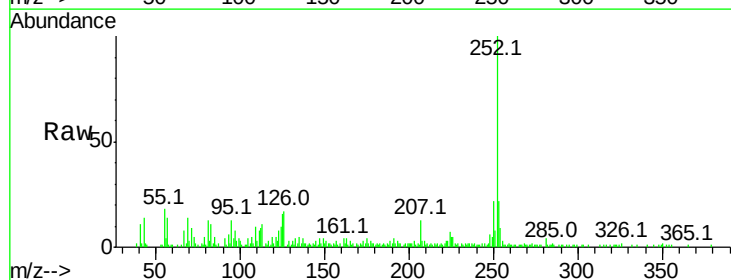
Instrument :
 BNA_F
 ClientSampleId :

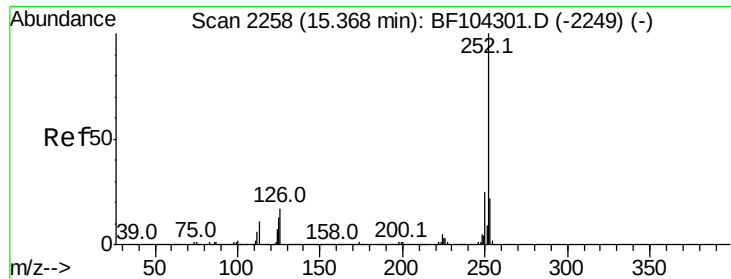
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	15.8	9.0	13.6



#88
 Benzo(k)fluoranthene
 Concen: 9.383 ng
 RT: 15.03 min Scan# 2200
 Delta R.T. -0.03 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	15.8	10.2	15.2

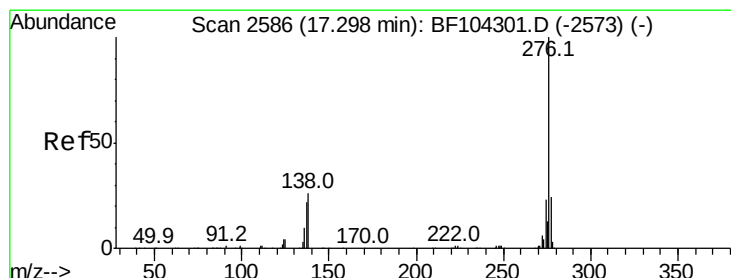
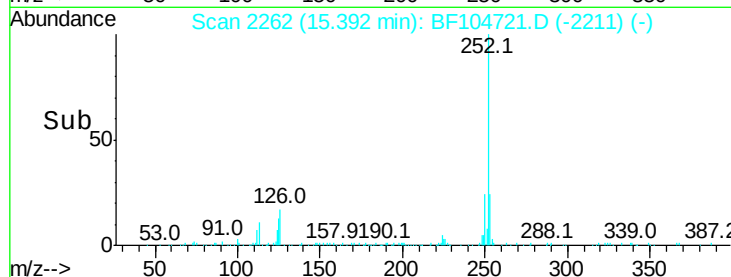
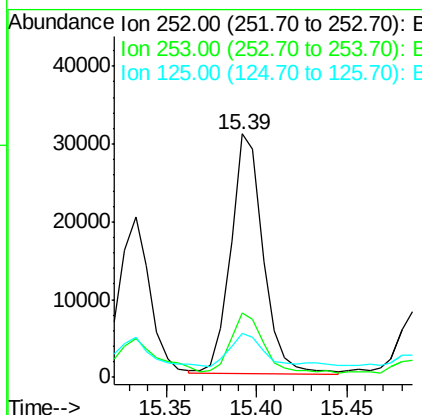
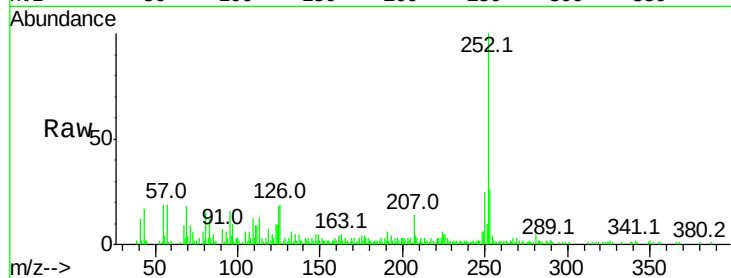




#89
Benzo(a)pyrene
Concen: 5.150 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	18.1	9.8	14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.273 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	30.4	21.8	32.8

