

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109260.D
 Acq On : 24 Sep 2018 12:04
 Operator : JU/SJ
 Sample : J5023-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 13:25:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	115912	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	449195	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	215608	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	420268	20.00	ng	0.00
75) Chrysene-d12	13.84	240	294652	20.00	ng	0.00
86) Perylene-d12	15.24	264	323302	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	584551	83.06	ng	0.00
7) Phenol-d6	6.35	99	745795	83.05	ng	-0.01
23) Nitrobenzene-d5	7.26	82	466685	61.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	197902	93.11	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	780605	54.60	ng	-0.01
78) Terphenyl-d14	12.80	244	701032	58.39	ng	0.00

Target Compounds

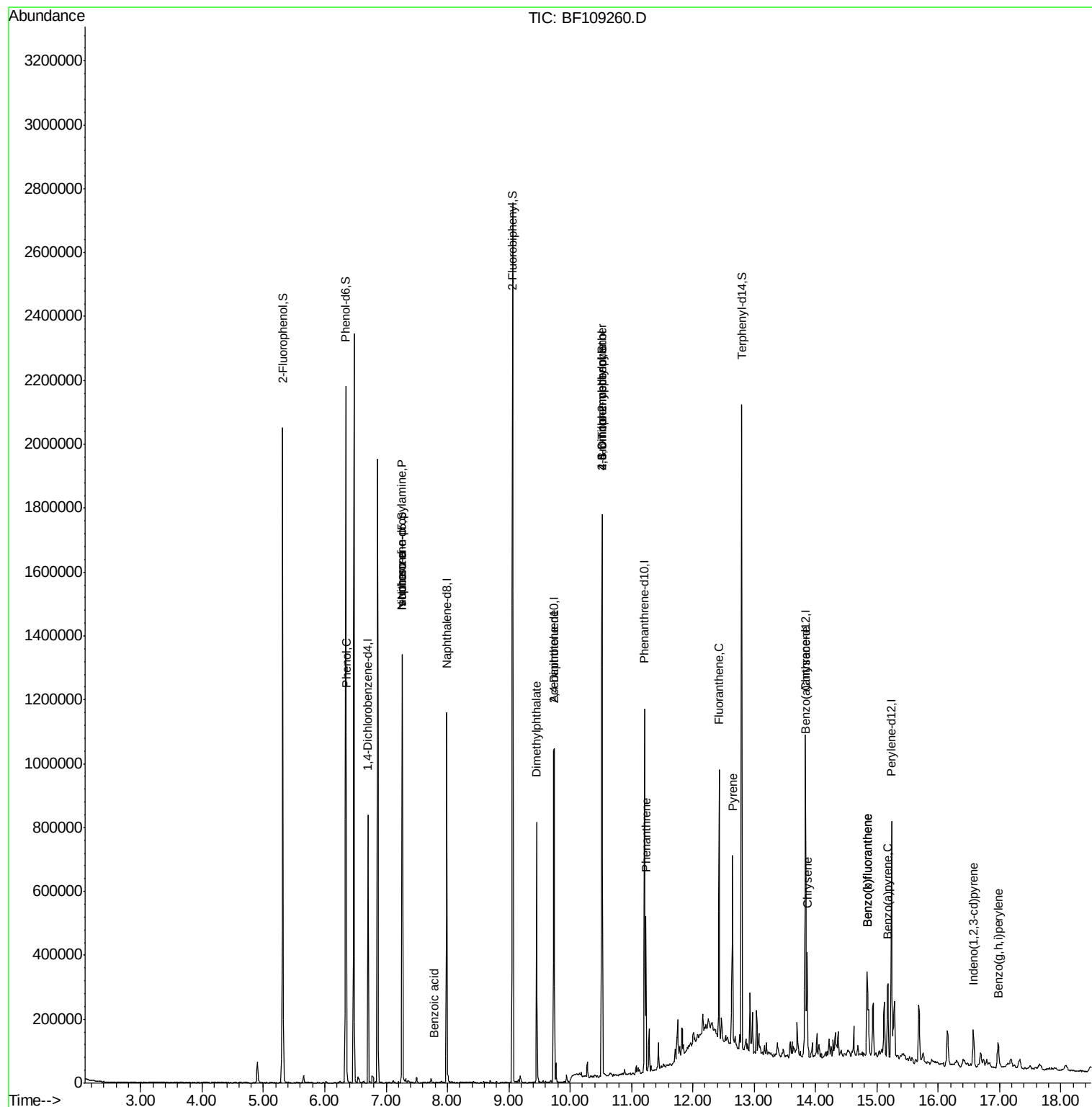
						Qvalue
10) Phenol	6.36	94	34432	3.386	ng	98
19) n-Nitroso-di-n-propylamine	7.26	70	63583	10.806	ng	# 78
25) Isophorone	7.26	82	438936	32.033	ng	# 64
32) Benzoic acid	7.78	122	107	6.820	ng	# 1
49) Dimethylphthalate	9.46	163	277240	17.679	ng	99
56) 2,4-Dinitrotoluene	9.73	165	27754	7.062	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	389	6.720	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	12120	2.597	ng	# 1
70) Phenanthrene	11.23	178	177998	8.483	ng	98
74) Fluoranthene	12.43	202	280082	12.490	ng	96
77) Pyrene	12.64	202	232794	11.024	ng	99
80) Benzo(a)anthracene	13.83	228	121067	6.822	ng	99
82) Chrysene	13.86	228	108889	6.190	ng	95
85) Indeno(1,2,3-cd)pyrene	16.57	276	75370	5.286	ng	# 88
87) Benzo(b)fluoranthene	14.84	252	195612	11.011	ng	99
88) Benzo(k)fluoranthene	14.84	252	195612	11.604	ng	98
89) Benzo(a)pyrene	15.18	252	111805	6.984	ng	98
91) Benzo(g,h,i)perylene	16.98	276	66314	5.138	ng	# 92

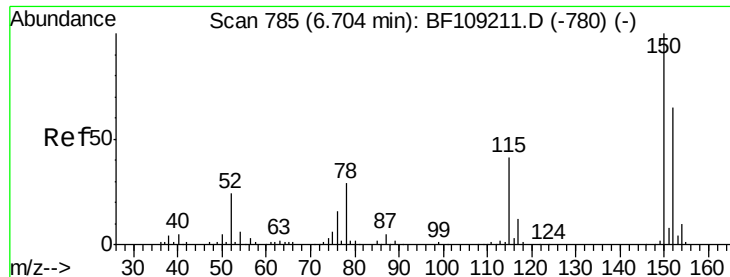
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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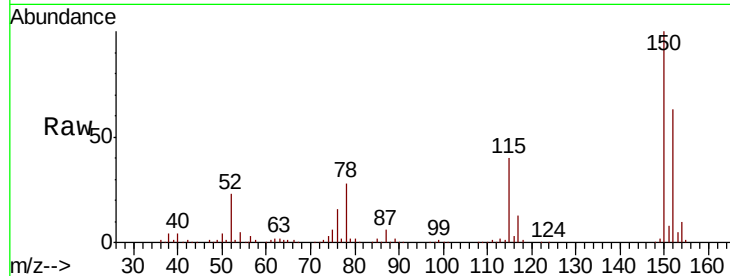


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	63.8	50.1	75.1

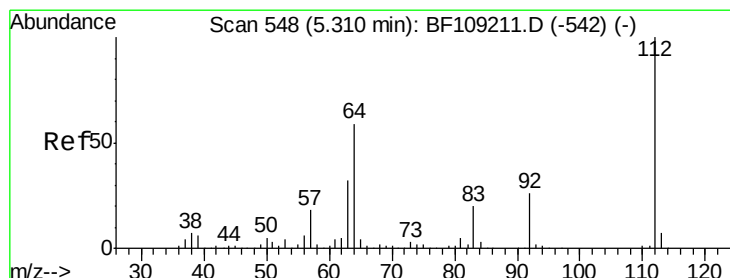
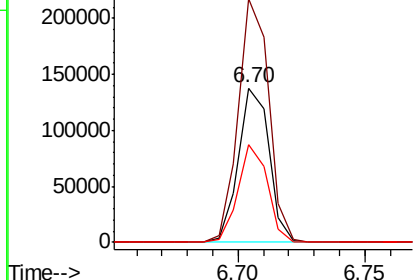
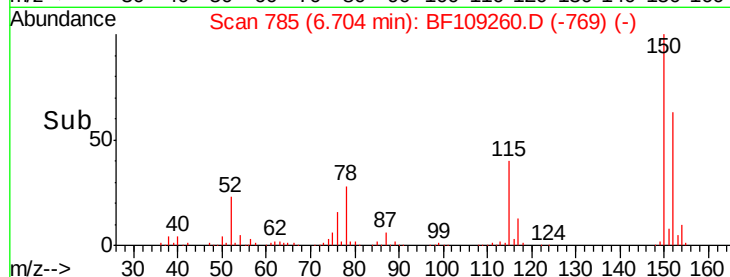


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

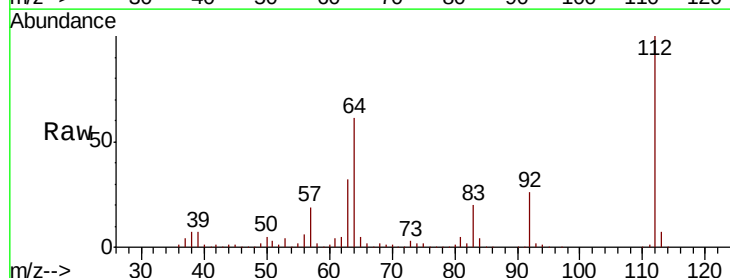
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.063 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	32.3	23.7	35.5

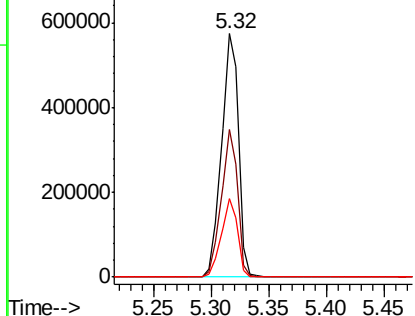
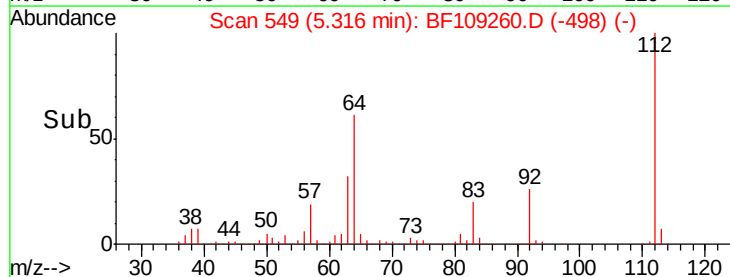


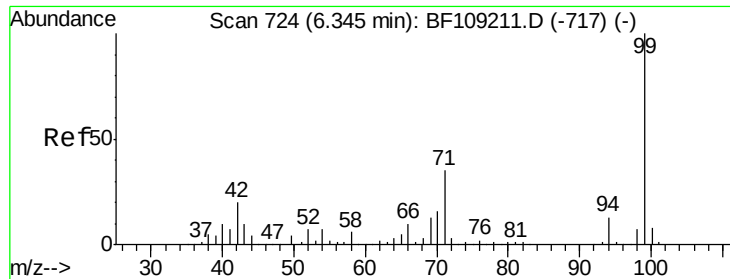
Abundance

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: 83.050 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109260.D

Acq: 24 Sep 2018 12:04

Instrument :

BNA_F

ClientSampleId :

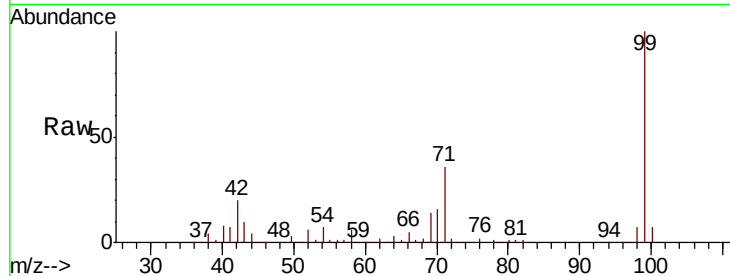
Tot Ion: 99 Resp: 745795

Ion Ratio Lower Upper

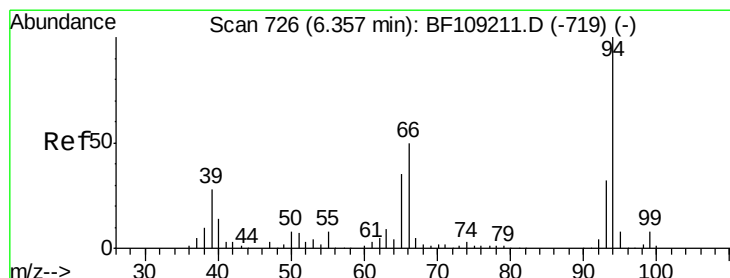
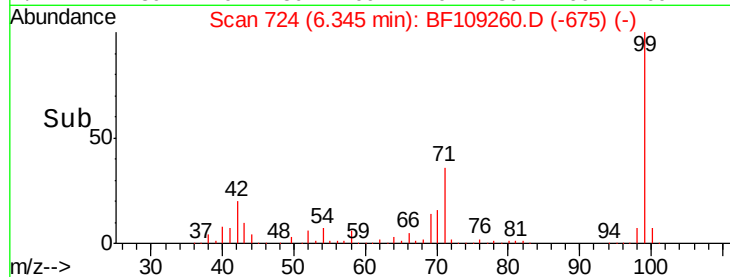
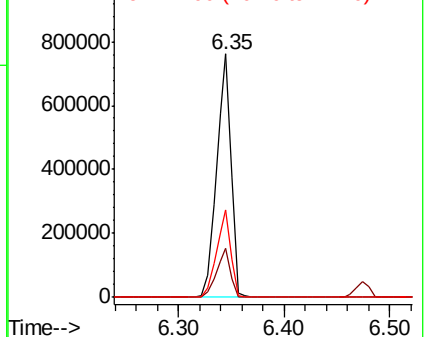
99 100

42 19.9 14.5 21.7

71 36.0 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



#10

Phenol

Concen: 3.386 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109260.D

Acq: 24 Sep 2018 12:04

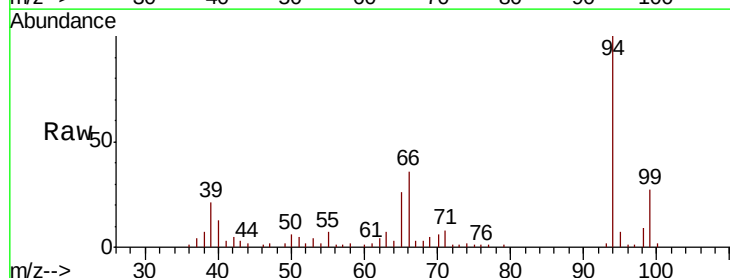
Tgt Ion: 94 Resp: 34432

Ion Ratio Lower Upper

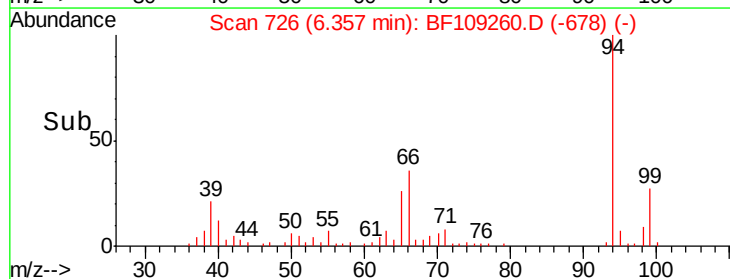
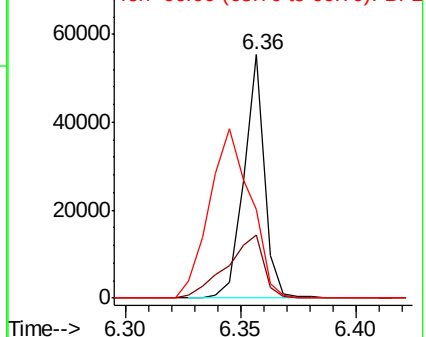
94 100

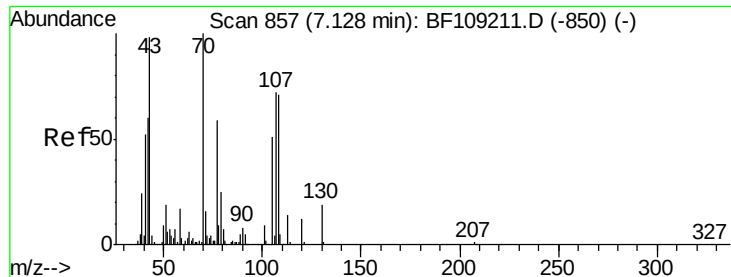
65 26.1 7.9 47.9

66 36.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

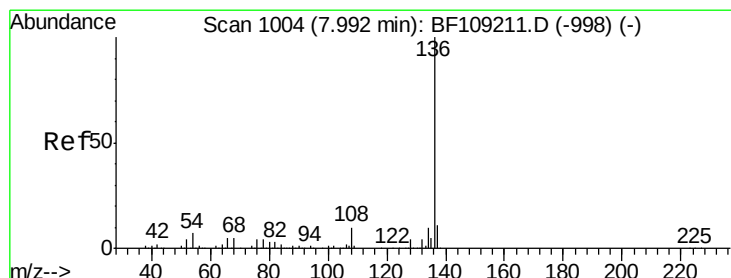
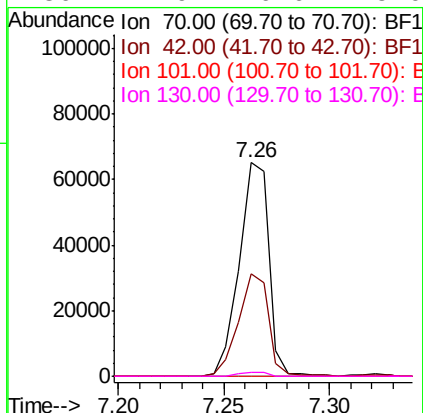
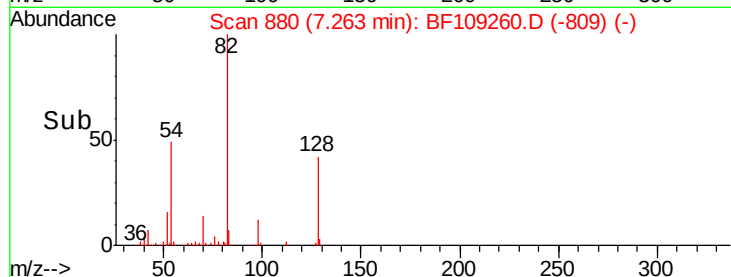
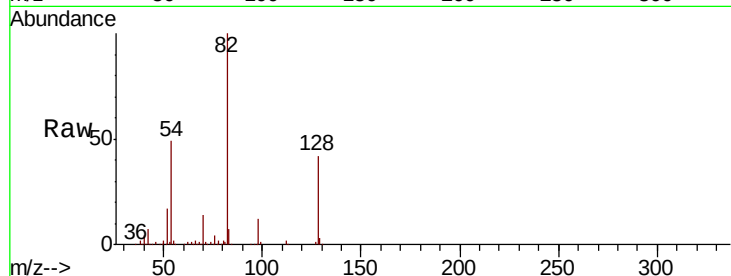




#19
n-Nitroso-di-n-propylamine
Concen: 10.806 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

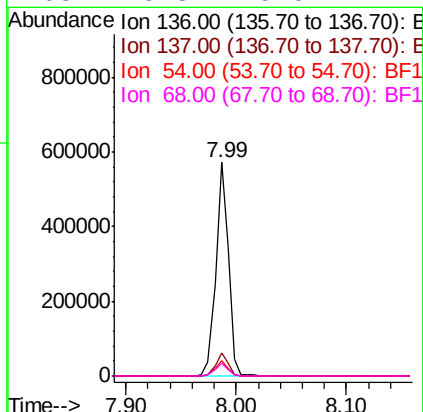
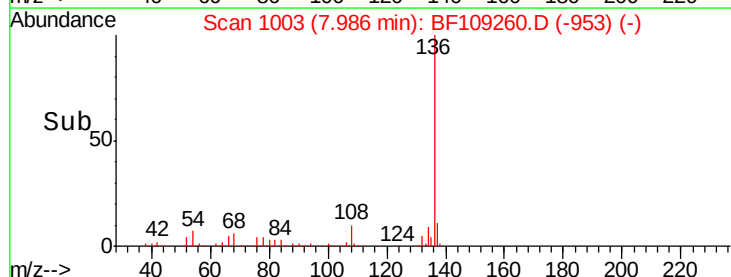
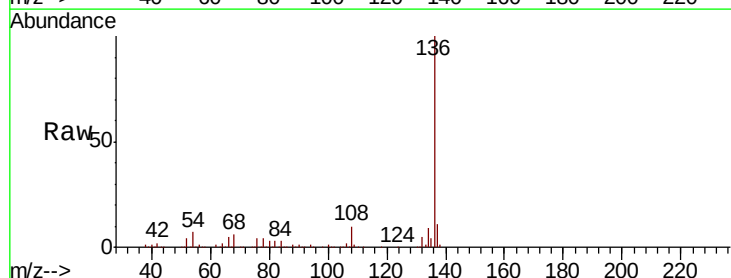
Instrument :
BNA_F
ClientSampleId :

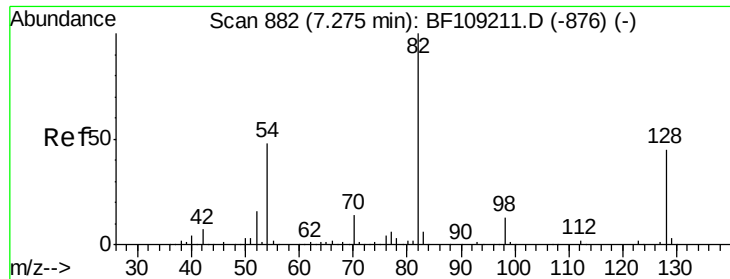
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	48.0	47.5	71.3	
101	0.0	7.4	11.2#	
130	1.9	16.6	25.0#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	7.3	6.6	9.8	
68	5.8	5.0	7.4	

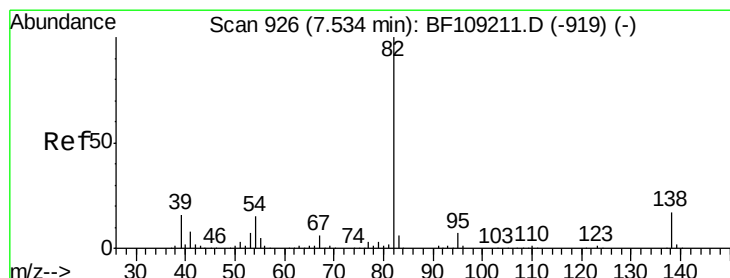
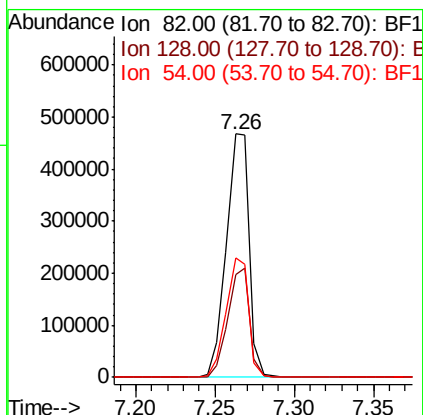
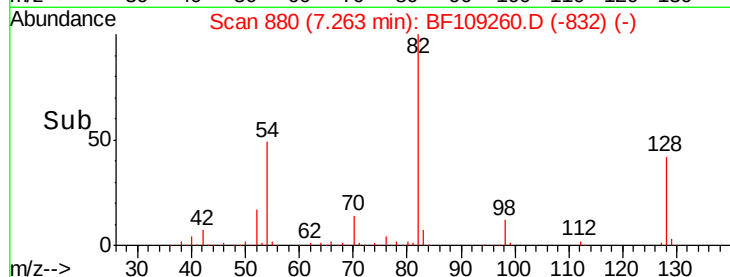
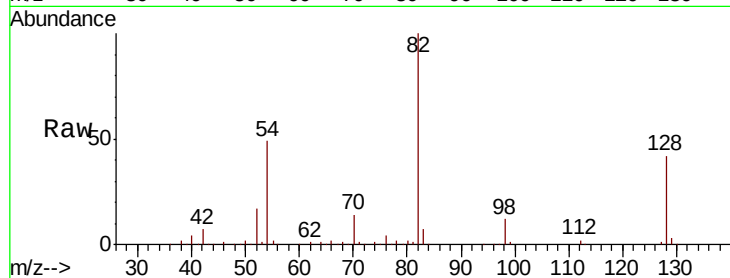




#23
Nitrobenzene-d5
Concen: 61.330 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

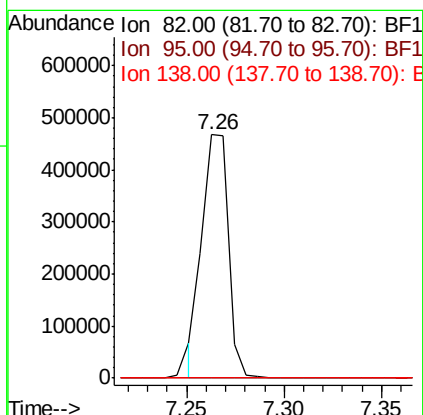
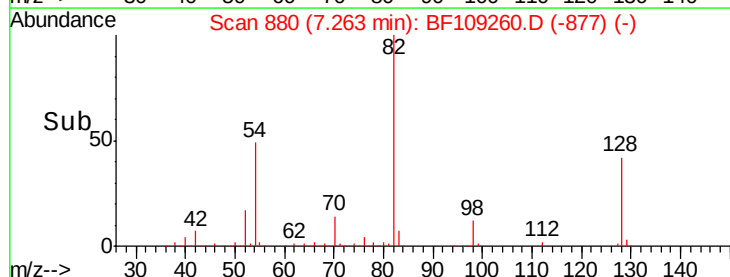
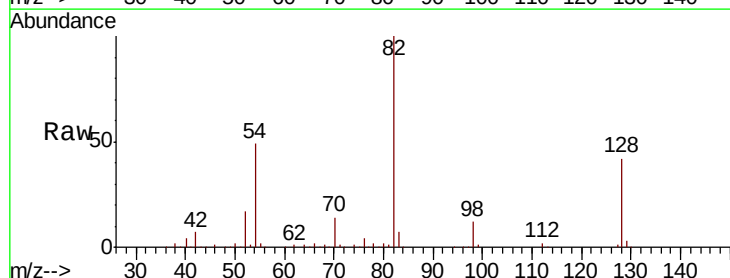
Instrument :
BNA_F
ClientSampleId :

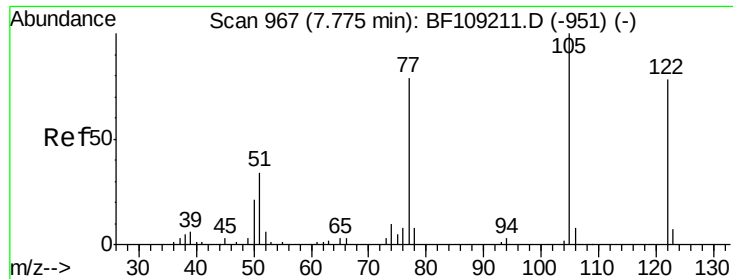
Tot Ion: 82 Resp: 466685
Ion Ratio Lower Upper
82 100
128 42.0 36.1 54.1
54 49.1 41.4 62.2



#25
Isophorone
Concen: 32.033 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion: 82 Resp: 438936
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

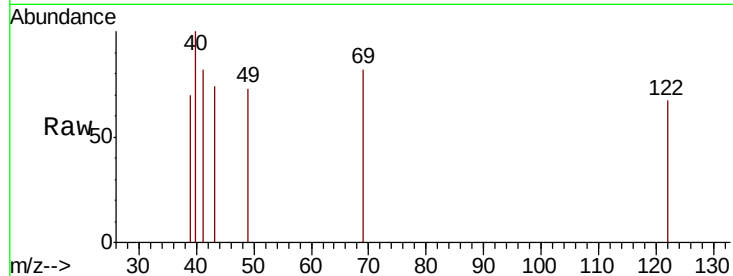




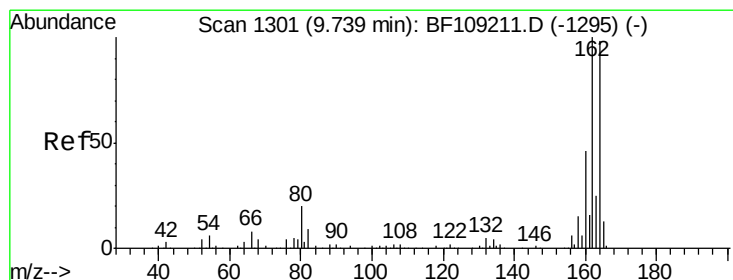
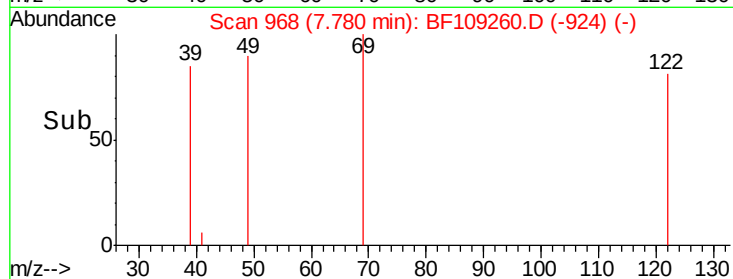
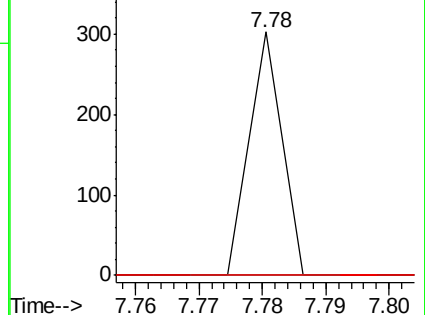
#32
Benzoic acid
Concen: 6.820 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.04 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 107
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#

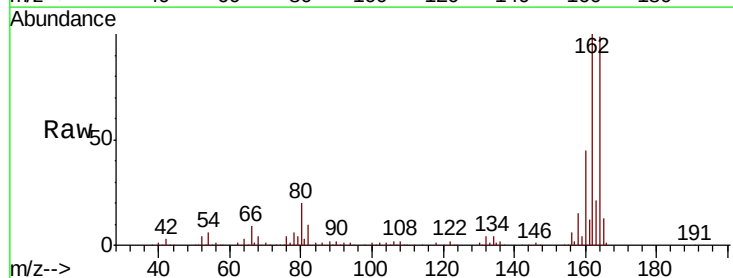


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

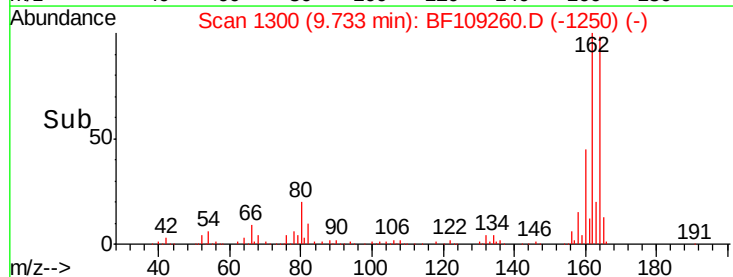
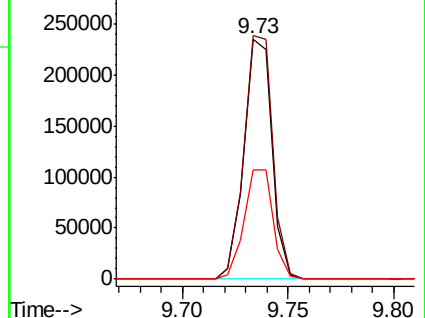


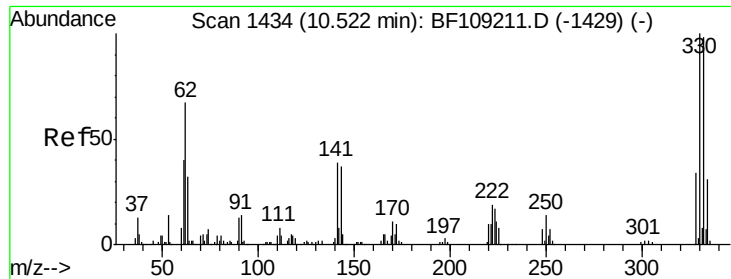
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion:164 Resp: 215608
Ion Ratio Lower Upper
164 100
162 101.4 86.1 129.1
160 45.5 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

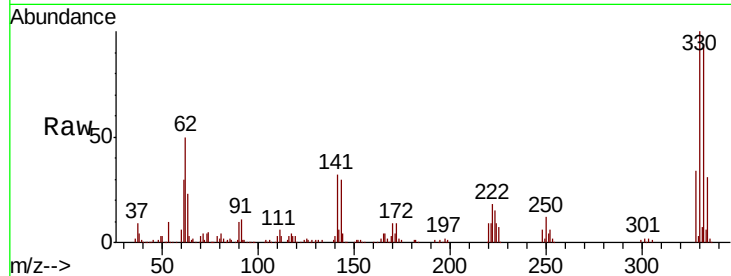




#41
 2,4,6-Tribromophenol
 Concen: 93.111 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109260.D
 Acq: 24 Sep 2018 12:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	33.5	29.9	44.9

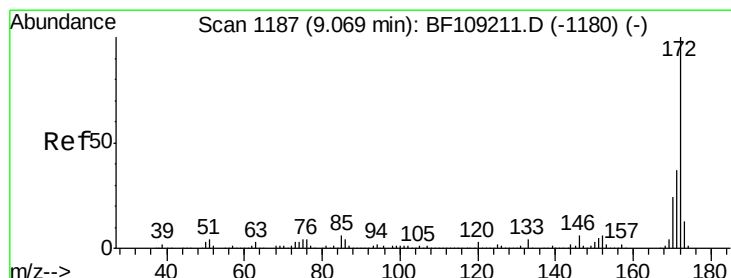
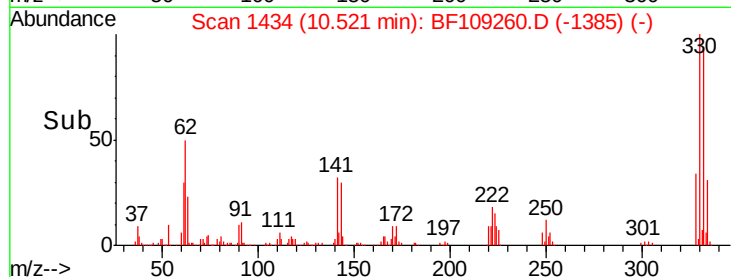
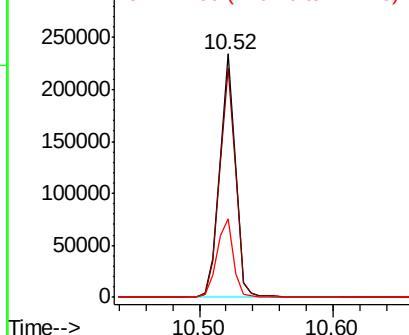


Abundance

Ion 329.80 (329.50 to 330.50): E

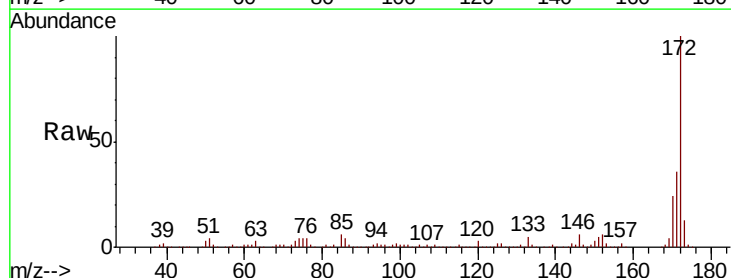
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 54.604 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109260.D
 Acq: 24 Sep 2018 12:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	19.6	29.4

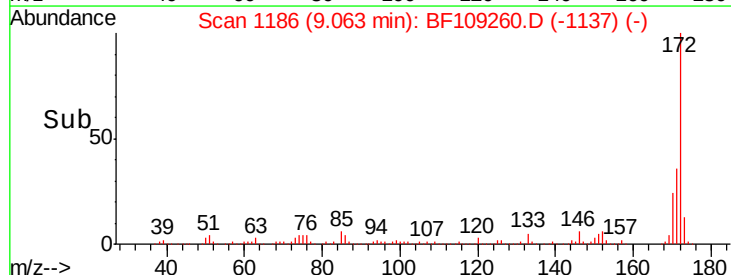
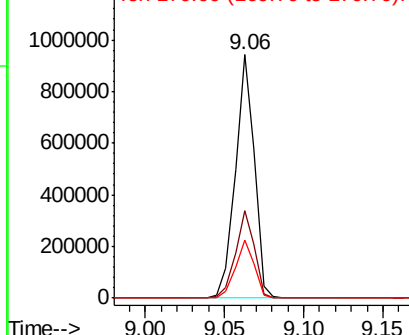


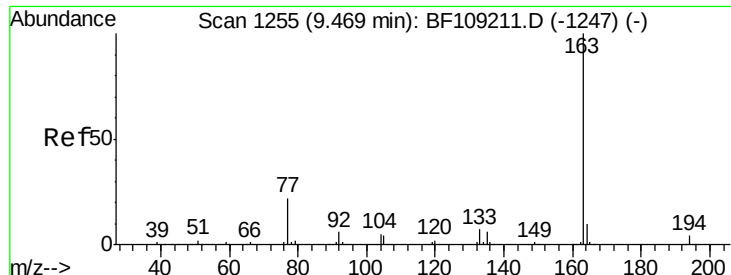
Abundance

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

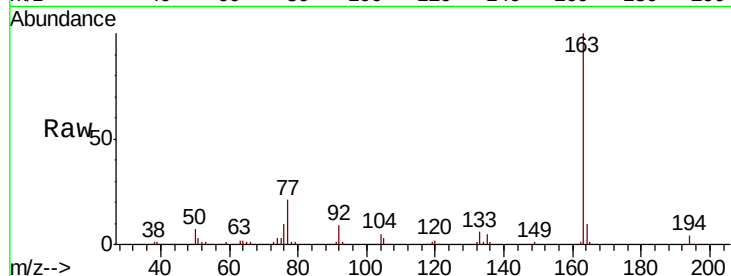




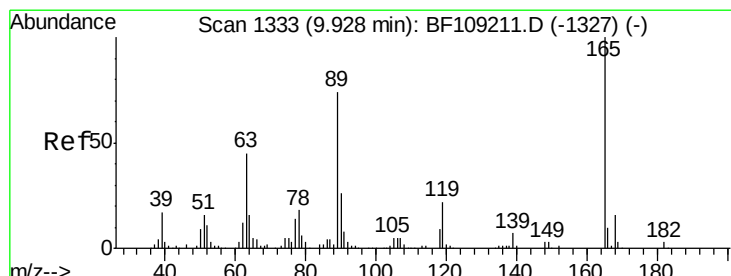
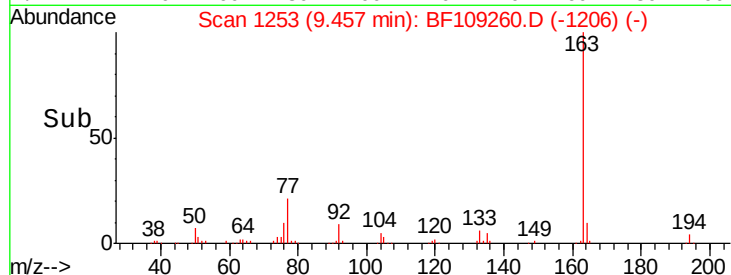
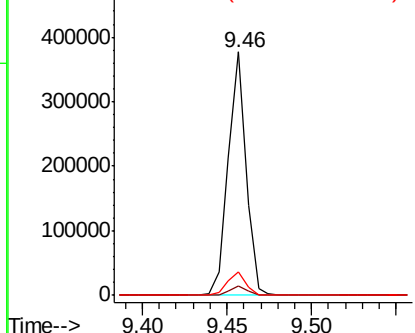
#49
Dimethylphthalate
Concen: 17.679 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 277240
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.8 8.2 12.2

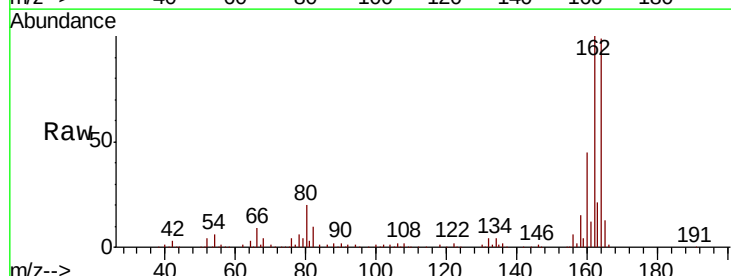


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

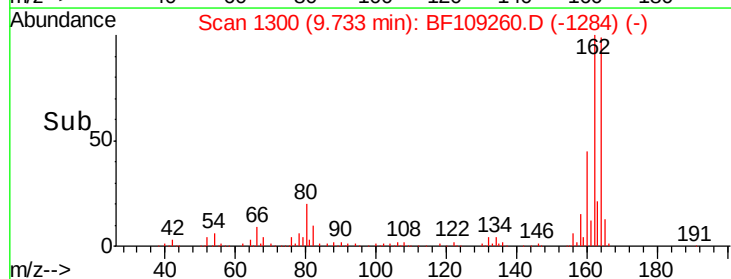
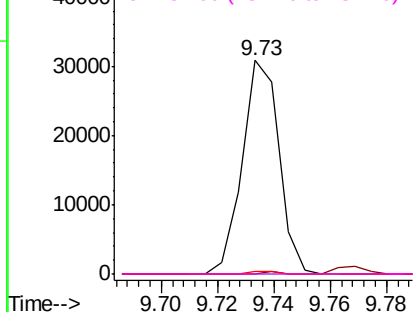


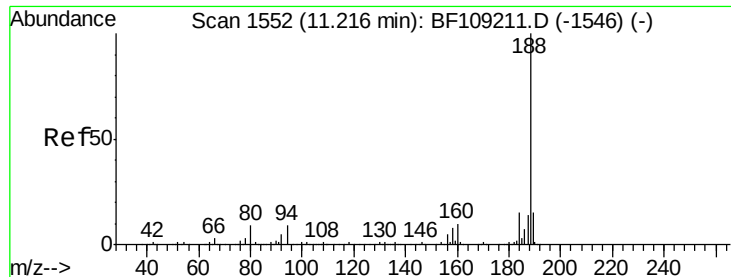
#56
2,4-Dinitrotoluene
Concen: 7.062 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion:165 Resp: 27754
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.3 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

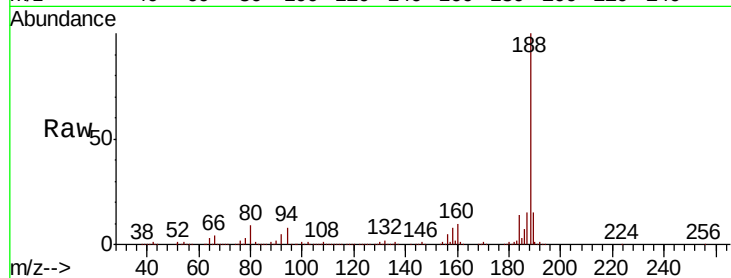




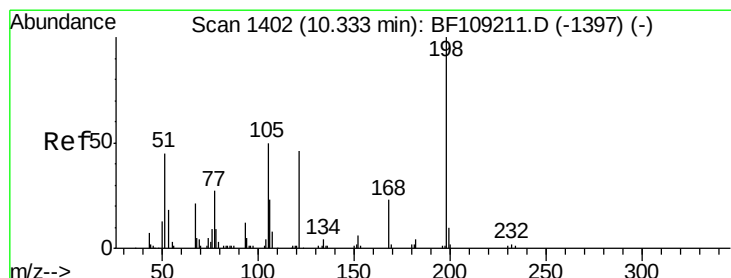
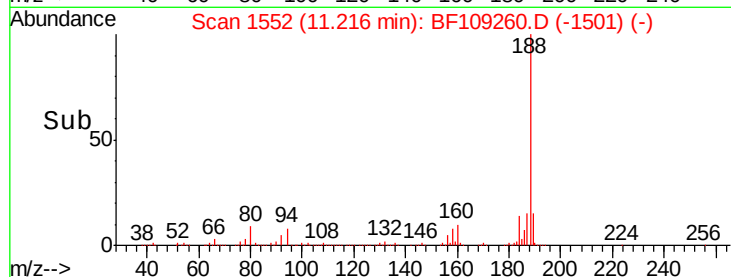
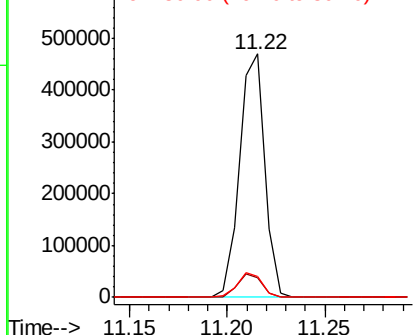
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109260.D
 Acq: 24 Sep 2018 12:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 420268
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.5 12.7#
 80 8.6 9.2 13.8#

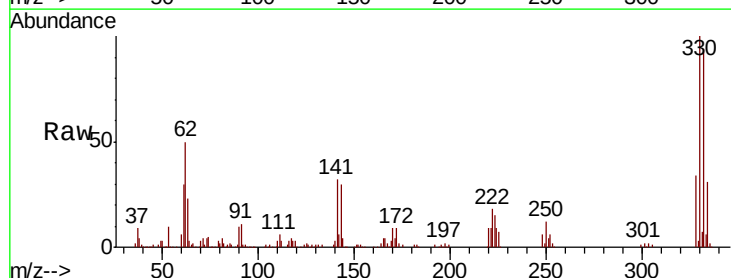


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

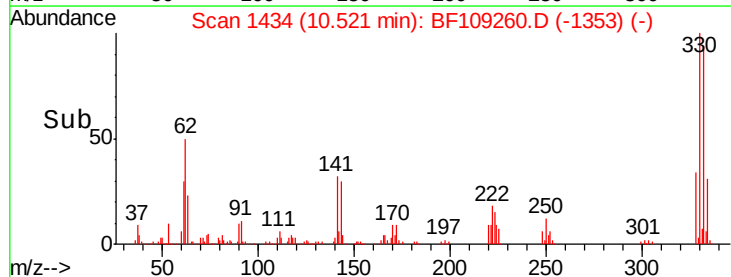
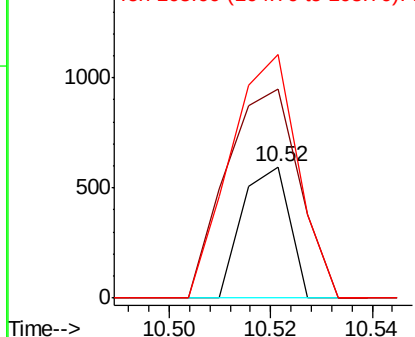


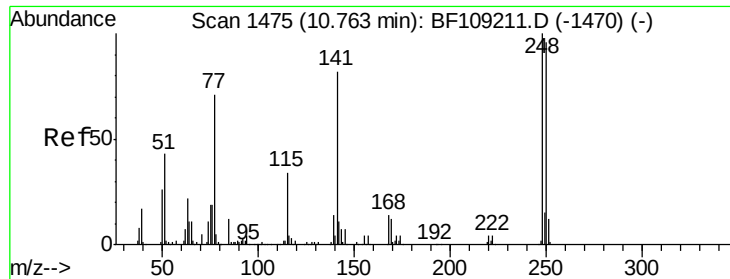
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.720 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109260.D
 Acq: 24 Sep 2018 12:04

Tgt Ion:198 Resp: 389
 Ion Ratio Lower Upper
 198 100
 51 159.4 37.7 77.7#
 105 185.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

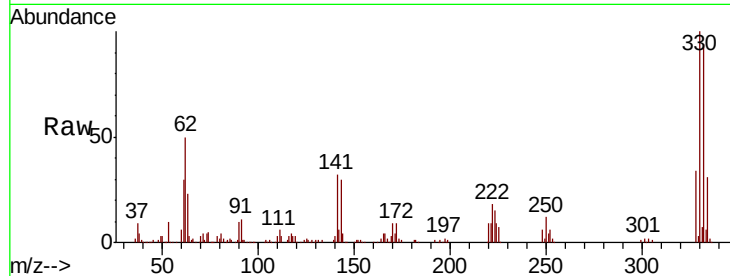




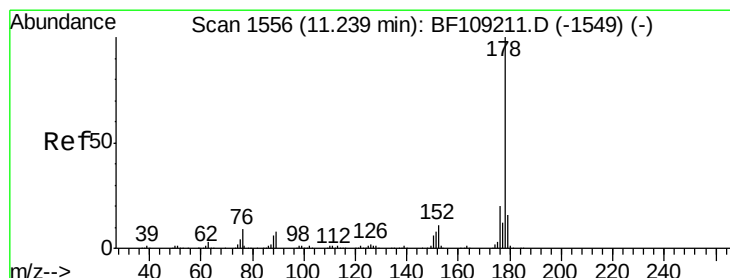
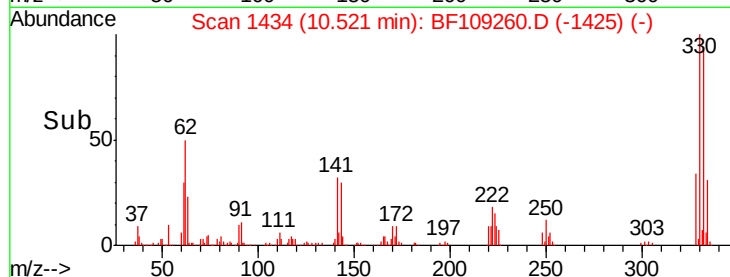
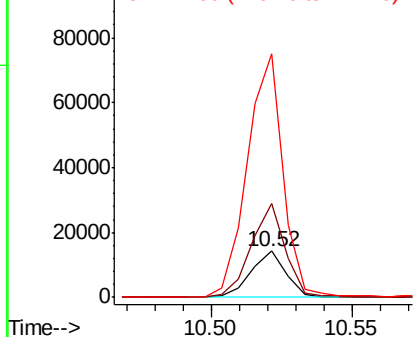
#66
4-Bromophenyl-phenylether
Concen: 2.597 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12120
Ion Ratio Lower Upper
248 100
250 202.7 76.9 115.3#
141 528.5 74.4 111.6#

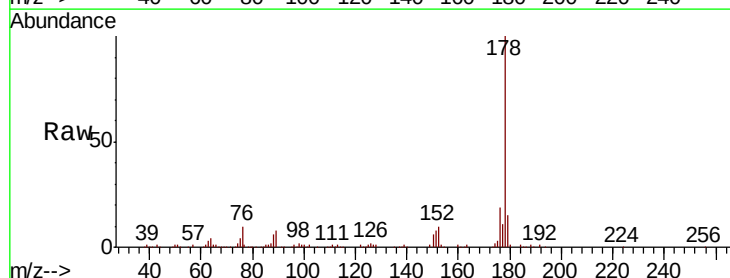


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

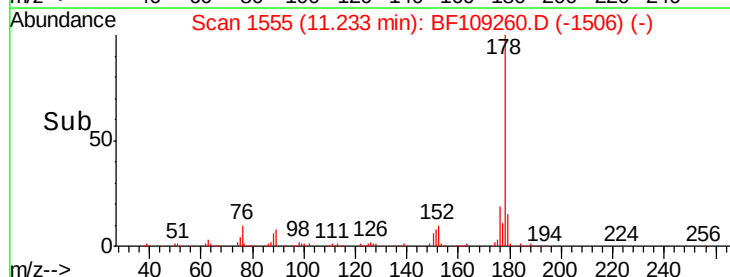
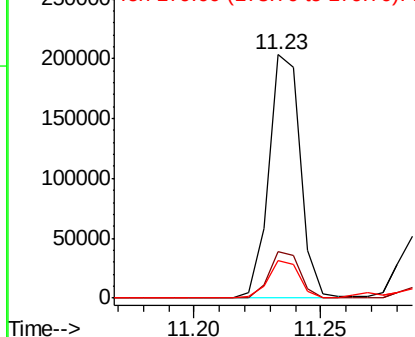


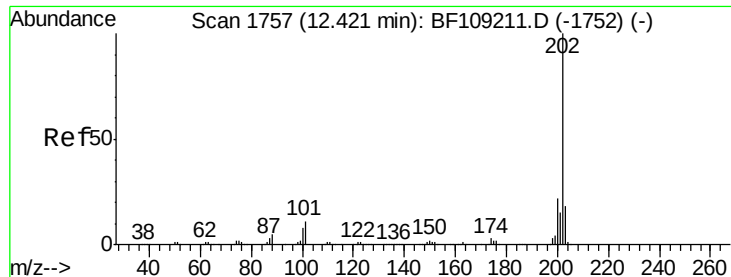
#70
Phenanthrene
Concen: 8.483 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion:178 Resp: 177998
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.3 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: 12.490 ng

RT: 12.43 min Scan# 1758

Delta R.T. -0.00 min

Lab File: BF109260.D

Acq: 24 Sep 2018 12:04

Instrument :

BNA_F

ClientSampleId :

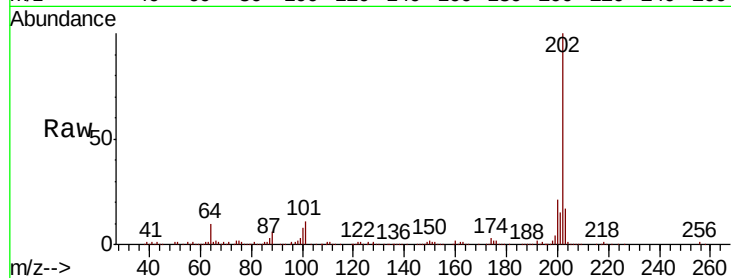
Tot Ion:202 Resp: 280082

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

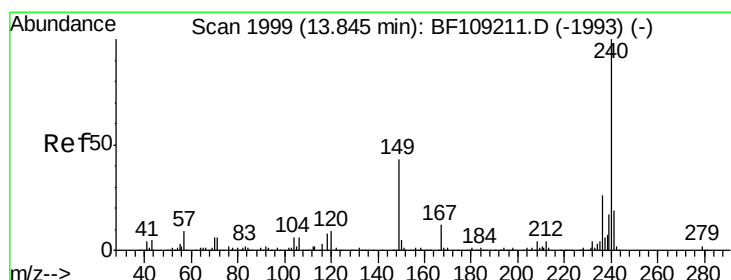
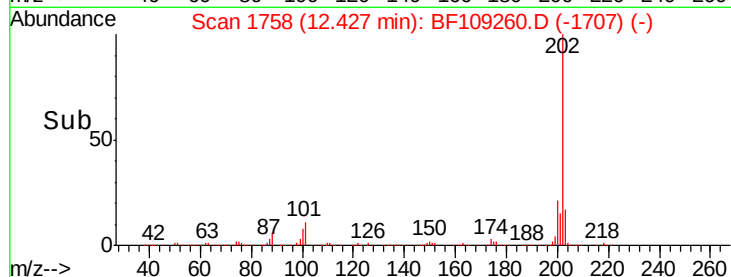
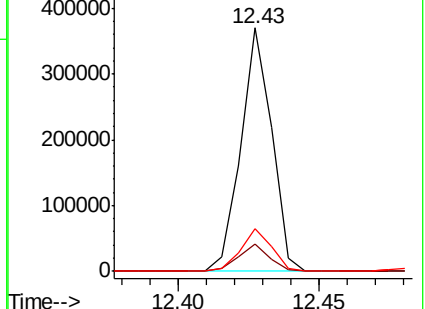
203 17.3 0.0 38.1



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109260.D

Acq: 24 Sep 2018 12:04

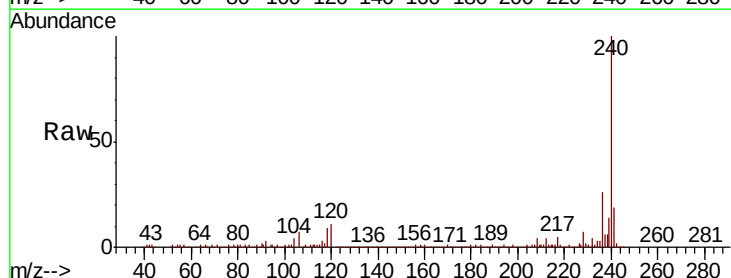
Tgt Ion:240 Resp: 294652

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

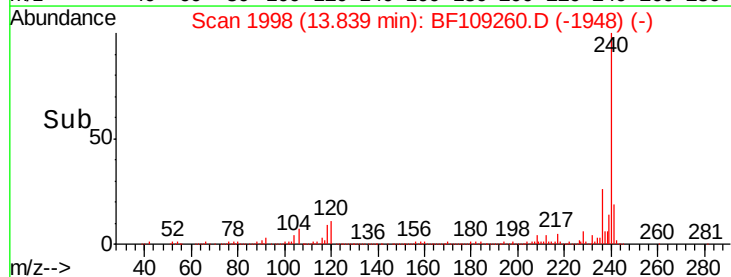
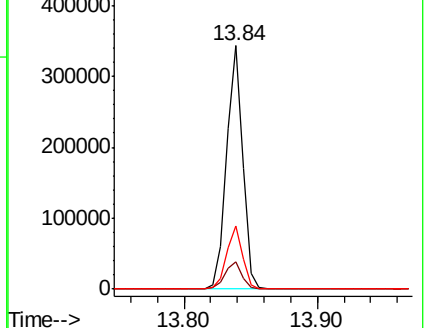
236 25.7 20.7 31.1

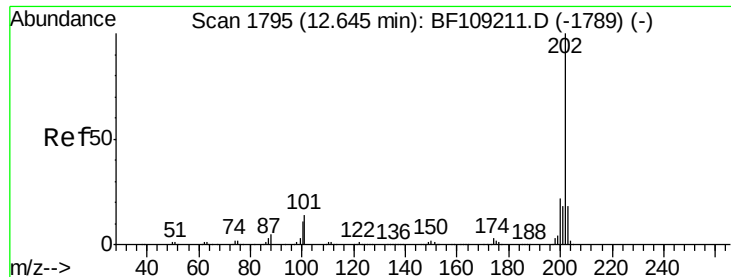


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

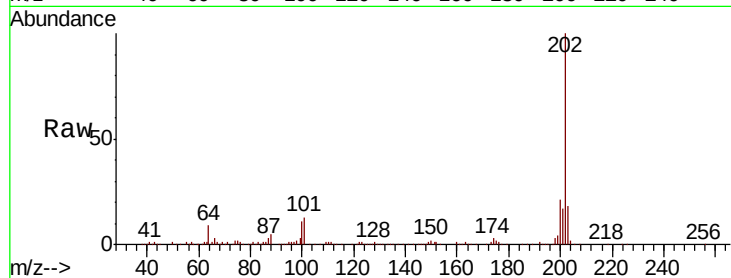




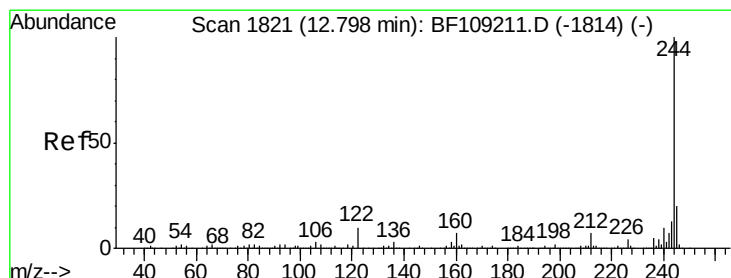
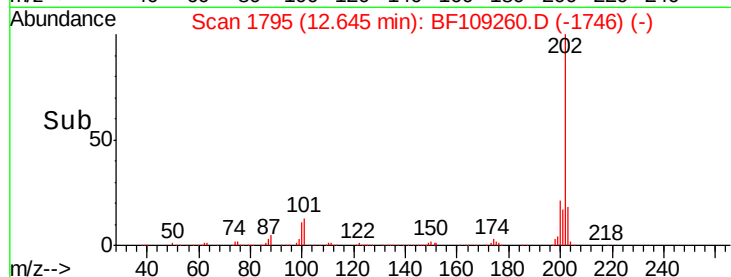
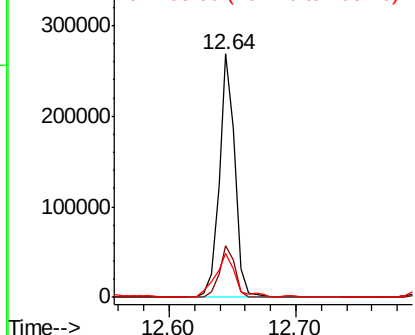
#77
Pvrene
Concen: 11.024 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.1	14.3	21.5

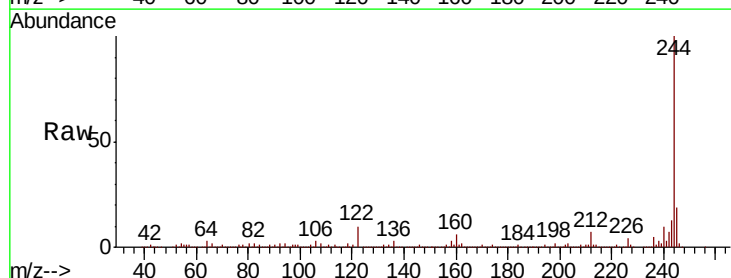


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

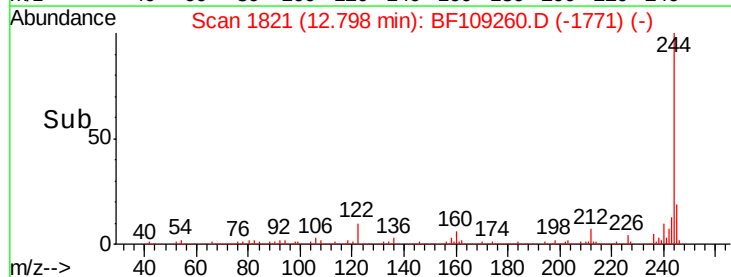
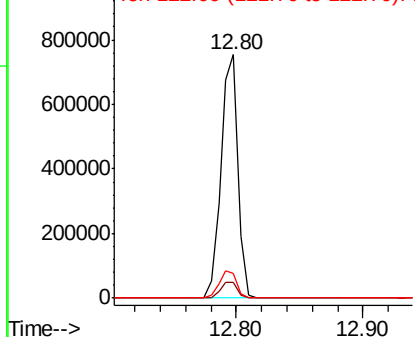


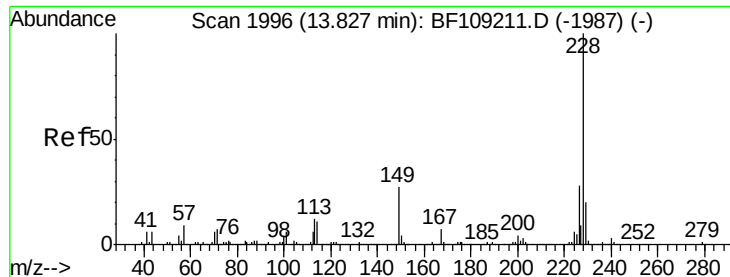
#78
Terphenyl-d14
Concen: 58.389 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	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: 6.822 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109260.D

Acq: 24 Sep 2018 12:04

Instrument :

BNA_F

ClientSampleId :

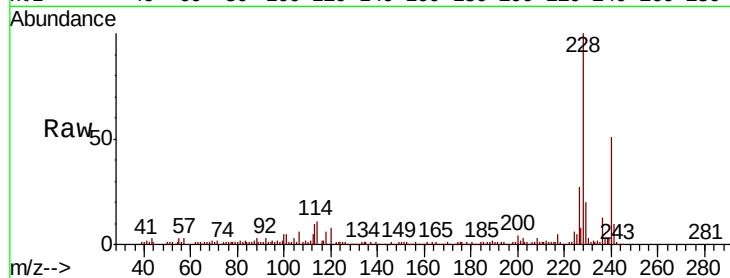
Tot Ion:228 Resp: 121067

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

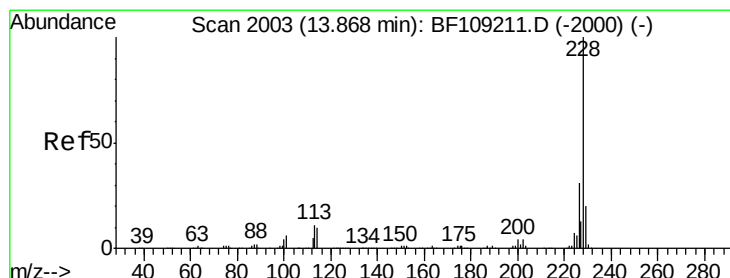
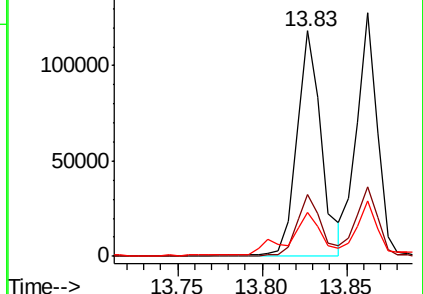
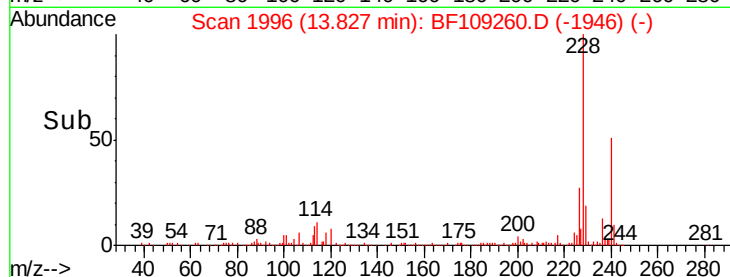
229 19.7 15.8 23.6



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: 6.190 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109260.D

Acq: 24 Sep 2018 12:04

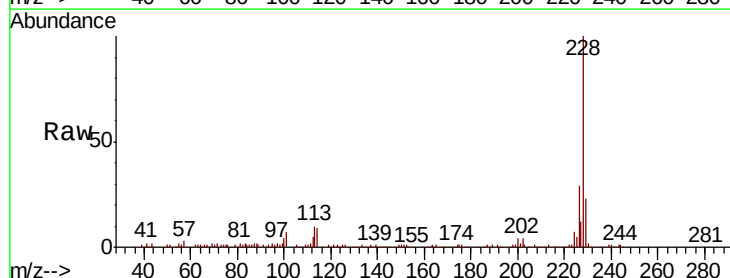
Tgt Ion:228 Resp: 108889

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

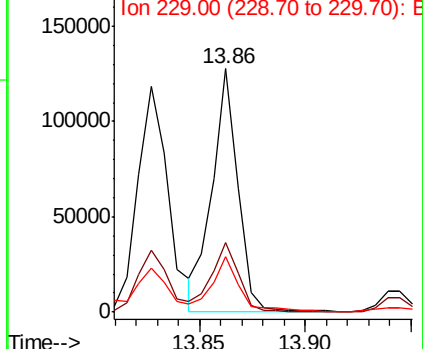
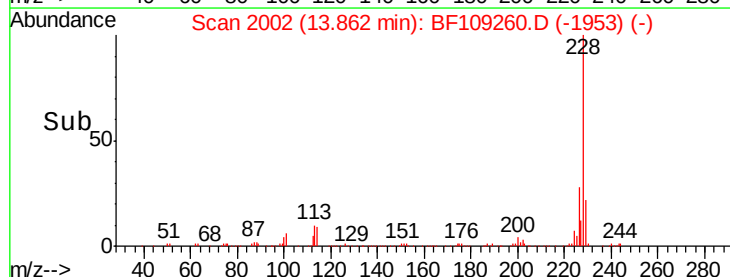
229 22.9 16.2 24.4

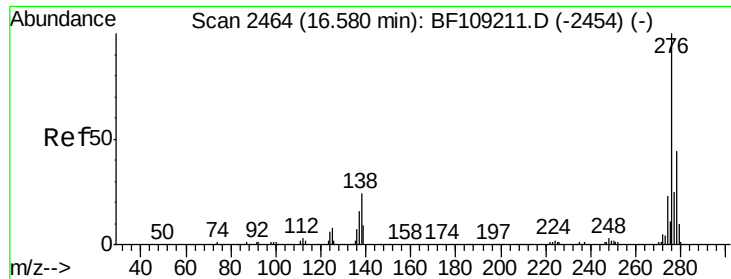


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

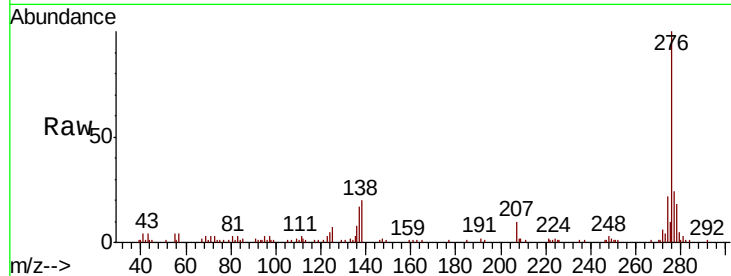




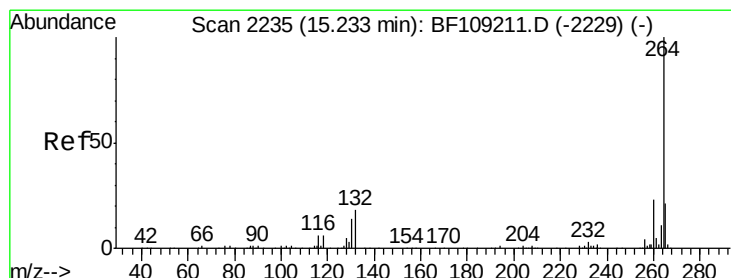
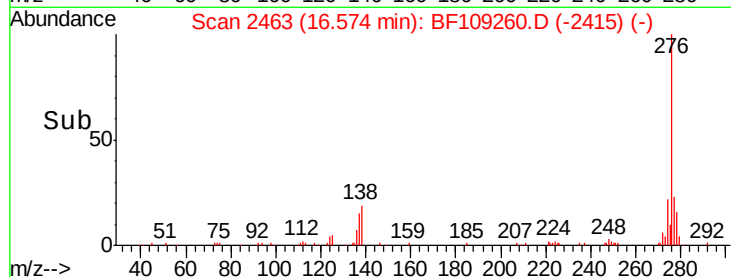
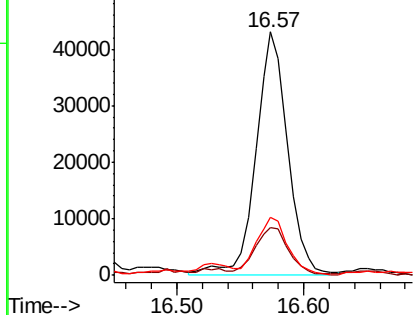
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.286 ng
 RT: 16.57 min Scan# 2463
 Delta R.T. -0.02 min
 Lab File: BF109260.D
 Acq: 24 Sep 2018 12:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 75370
 Ion Ratio Lower Upper
 276 100
 138 20.1 25.0 37.6#
 277 24.0 20.1 30.1

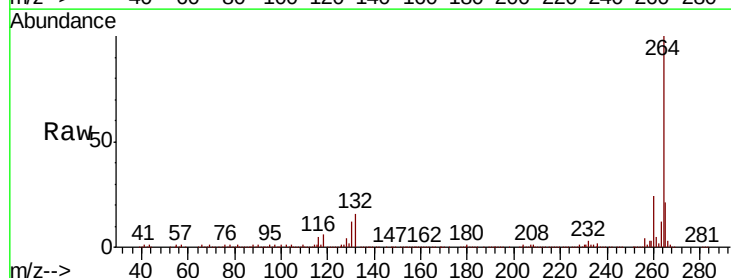


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

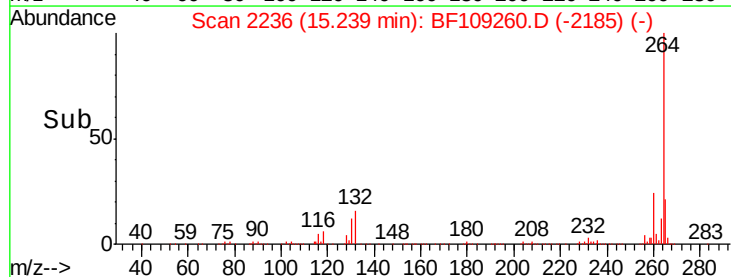
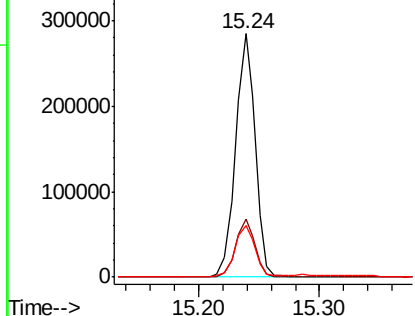


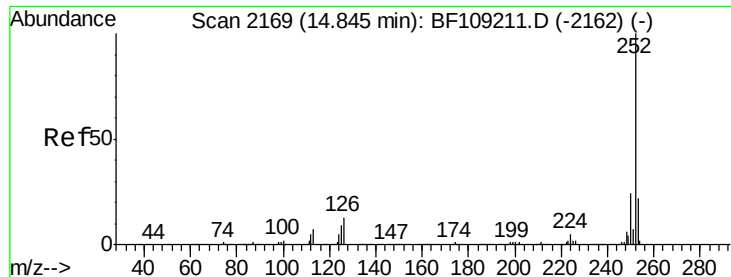
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: BF109260.D
 Acq: 24 Sep 2018 12:04

Tgt Ion:264 Resp: 323302
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.011 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF109260.D

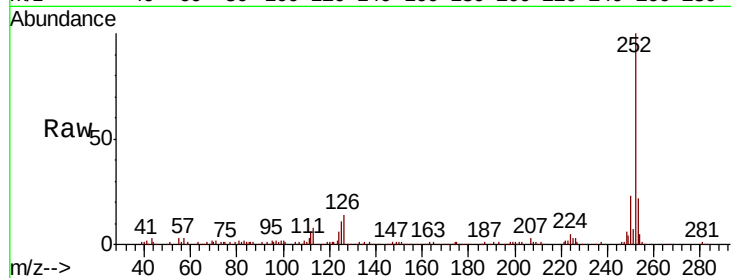
Acq: 24 Sep 2018 12:04

Instrument :

BNA_F

ClientSampleId :

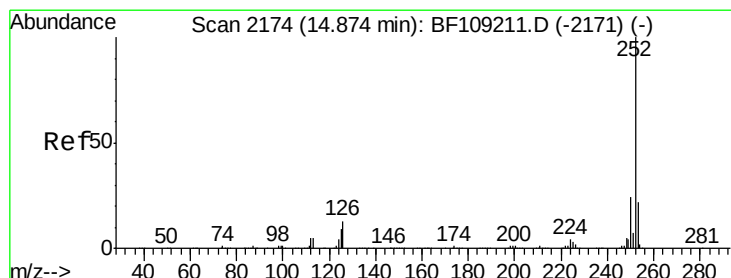
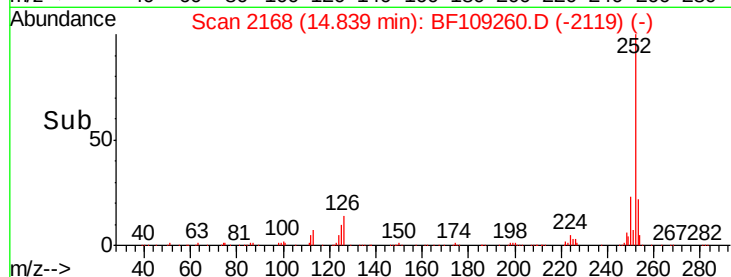
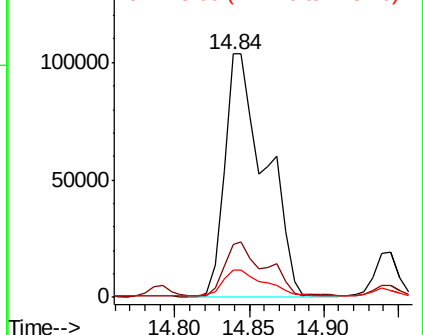
Tot Ion:252	Resp:	195612
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.0 25.6
125	11.0	9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 11.604 ng

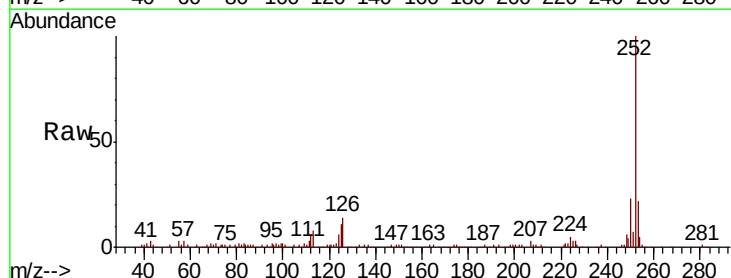
RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF109260.D

Acq: 24 Sep 2018 12:04

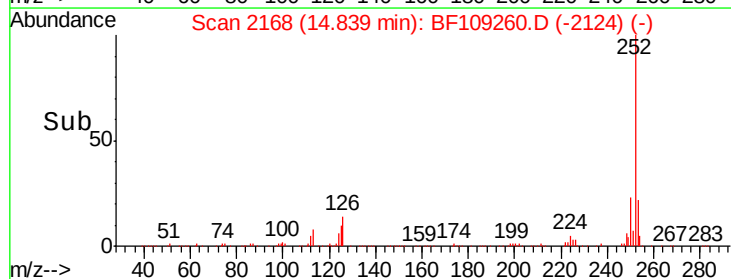
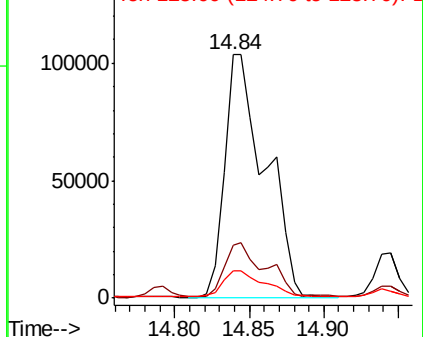
Tgt Ion:252	Resp:	195612
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.9 26.9
125	11.0	10.2 15.2

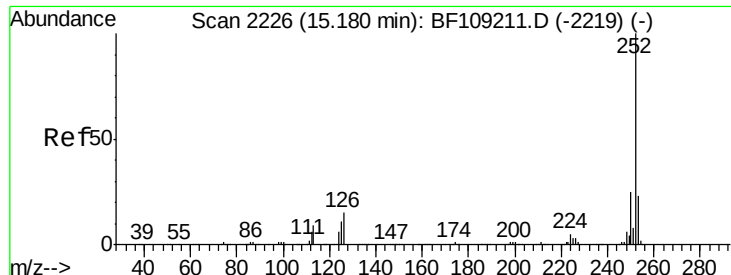


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

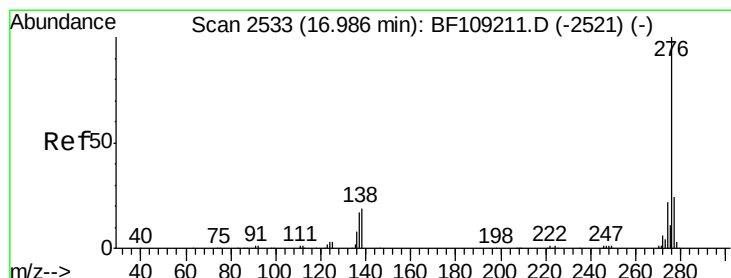
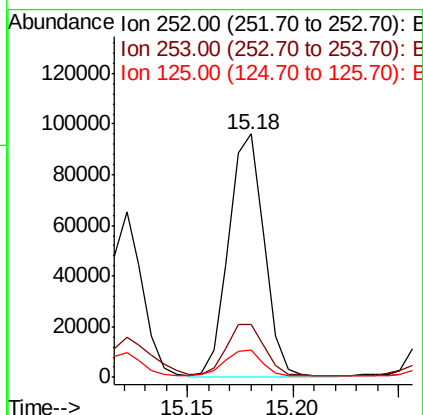
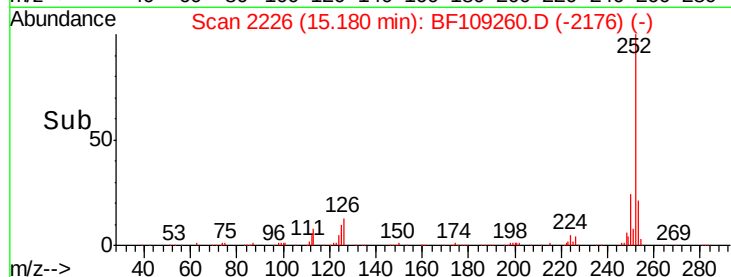
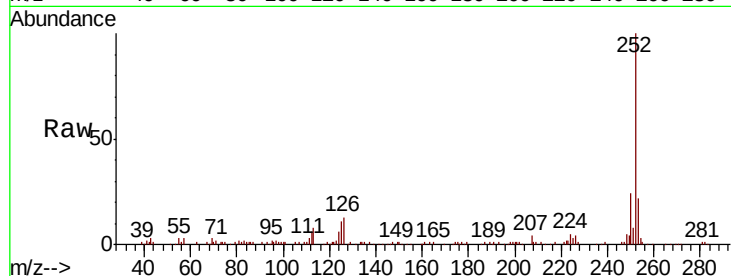




#89
Benzo(a)pyrene
Concen: 6.984 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 111805
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 11.0 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 5.138 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF109260.D
Acq: 24 Sep 2018 12:04

Tgt Ion:276 Resp: 66314
Ion Ratio Lower Upper
276 100
277 23.6 17.9 26.9
138 20.8 21.8 32.8#

