

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
 Data File : BF108151.D
 Acq On : 14 Aug 2018 18:07
 Operator : JU/SJ
 Sample : J4460-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-080918-SW-002

Manual Integrations
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Quant Time: Aug 14 19:16:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	172894	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	598767	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	246214	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	430647	20.00	ng	0.00
75) Chrysene-d12	14.22	240	421675	20.00	ng	0.00
86) Perylene-d12	15.78	264	271147	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	818459	85.70	ng	0.02
7) Phenol-d6	6.64	99	1088911	85.81	ng	0.00
23) Nitrobenzene-d5	7.58	82	707845	65.97	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	199843	81.37	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1082408	70.58	ng	0.00
78) Terphenyl-d14	13.15	244	985218	59.41	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	119125	6.946	ng	Qvalue # 98
70) Phenanthrene	11.58	178	76859	3.784	ng	98
73) Di-n-butylphthalate	12.10	149	97010	4.630	ng	100
74) Fluoranthene	12.78	202	149031	6.723	ng	96
77) Pyrene	13.01	202	133663	5.007	ng	98
80) Benzo(a)anthracene	14.21	228	90064	3.722	ng	96
82) Chrysene	14.24	228	84369	3.803	ng	97
87) Benzo(b)fluoranthene	15.31	252	90733m	5.600	ng	
89) Benzo(a)pyrene	15.71	252	57156	3.939	ng	95
91) Benzo(g,h,i)perylene	17.89	276	30349	2.567	ng	# 90

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

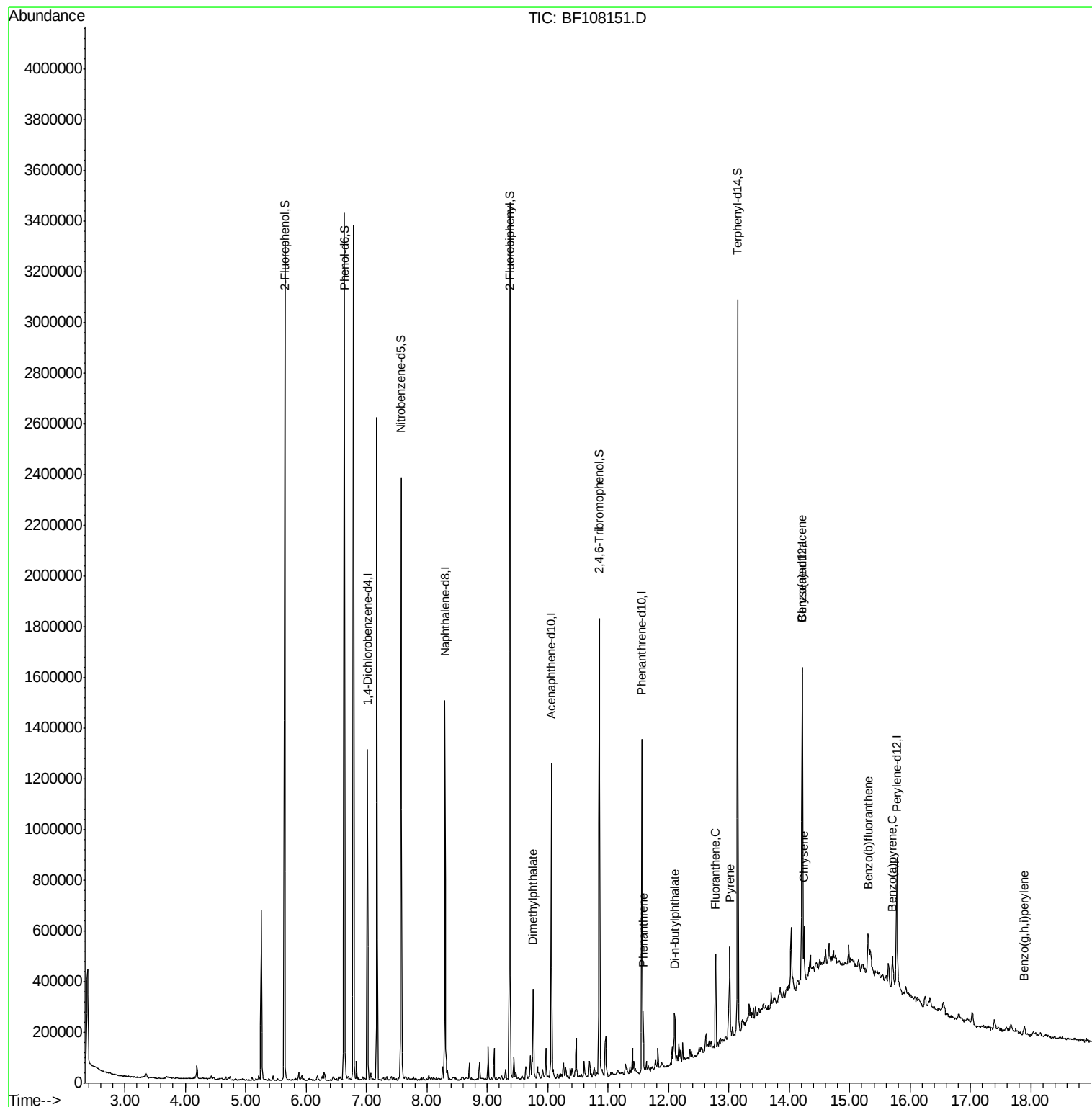
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108151.D
Acq On : 14 Aug 2018 18:07
Operator : JU/SJ
Sample : J4460-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

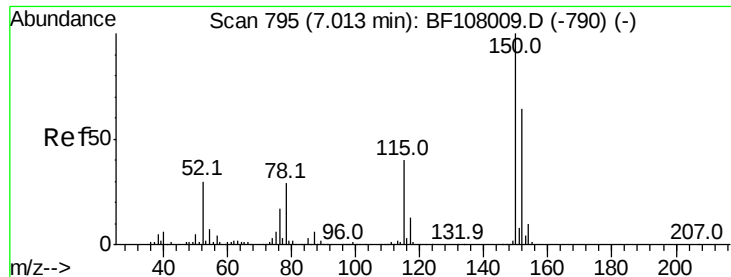
Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Quant Time: Aug 14 19:16:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

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#1

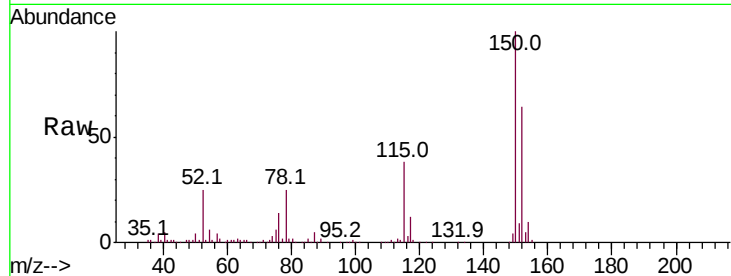
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	59.1	50.1	75.1

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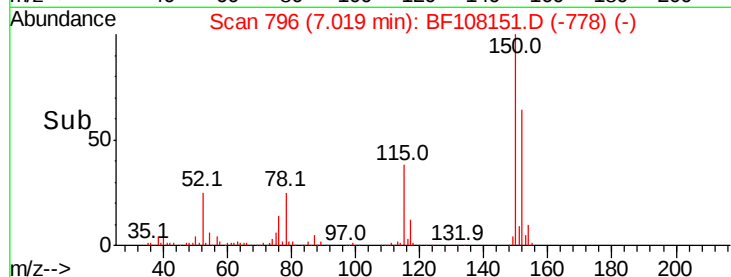
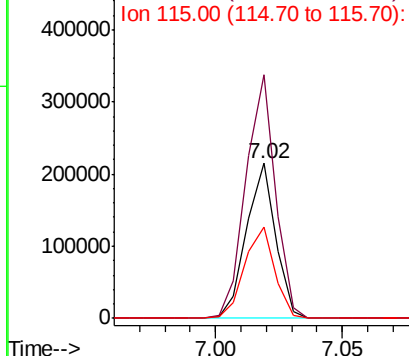


Abundance

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: 85.705 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

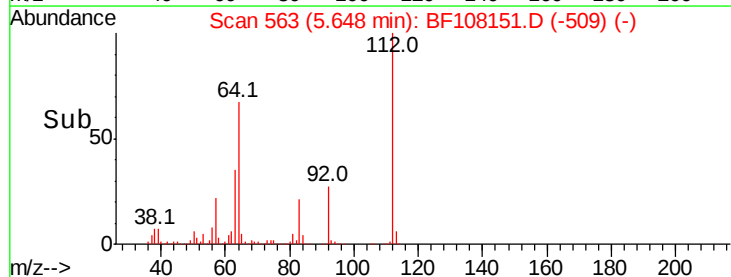
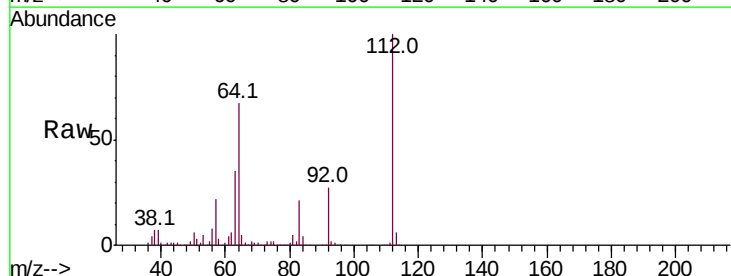
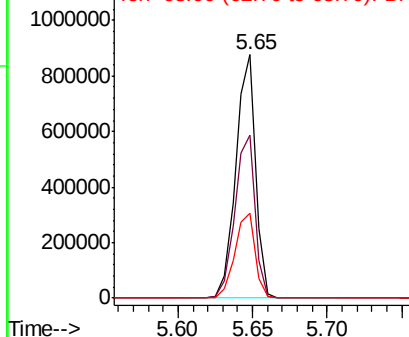
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	35.1	23.7	35.5

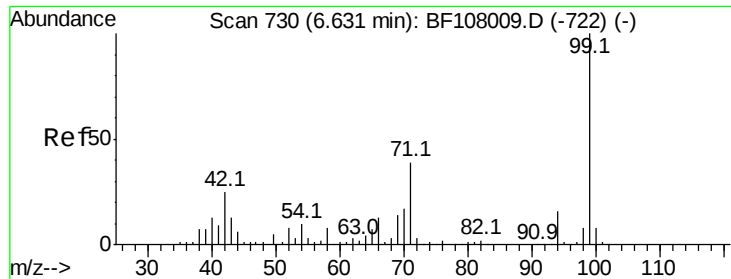
Abundance

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: 85.806 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108151.D

Acq: 14 Aug 2018 18:07

Instrument :

BNA_F

ClientSampleId :

RA-080918-SW-002

Tot Ion: 99 Resp: 1088911

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

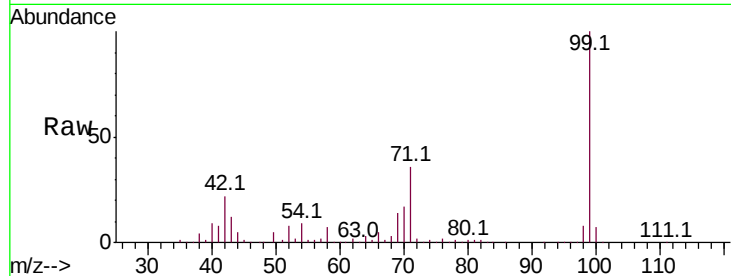
71 36.1 25.4 38.0

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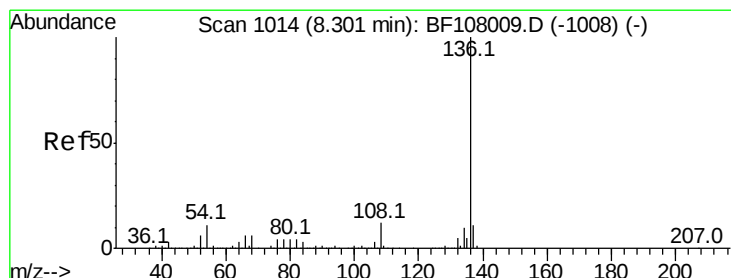
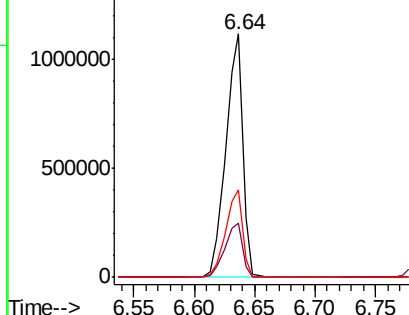
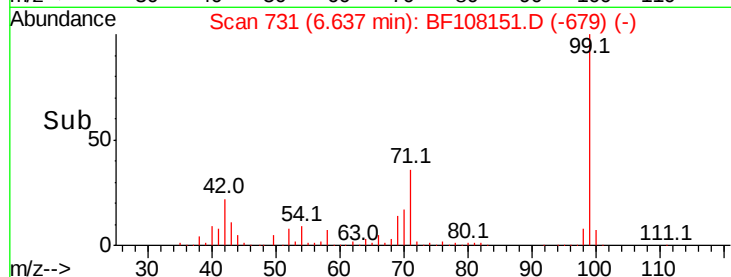
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108151.D

Acq: 14 Aug 2018 18:07

Tgt Ion: 136 Resp: 598767

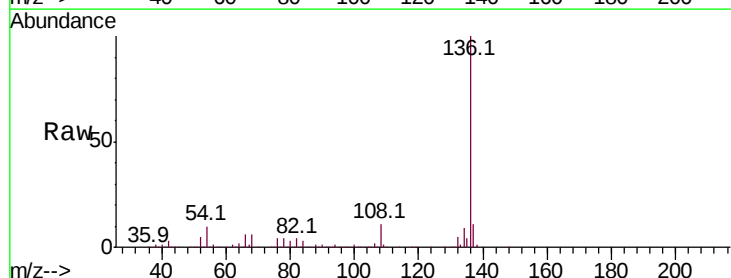
Ion Ratio Lower Upper

136 100

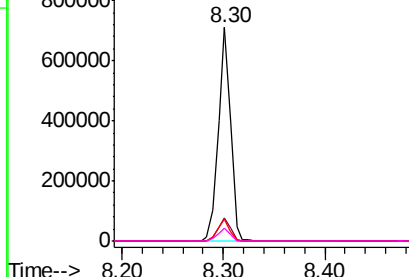
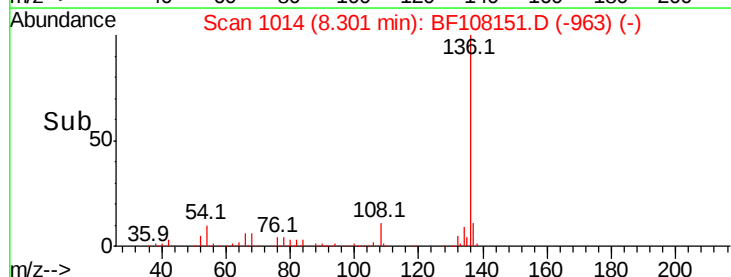
137 10.9 8.9 13.3

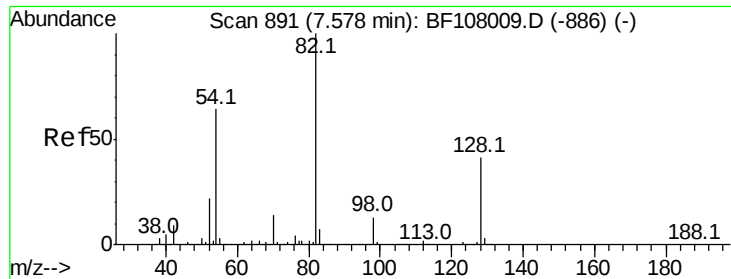
54 10.3 6.6 9.8#

68 6.3 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
1000000
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





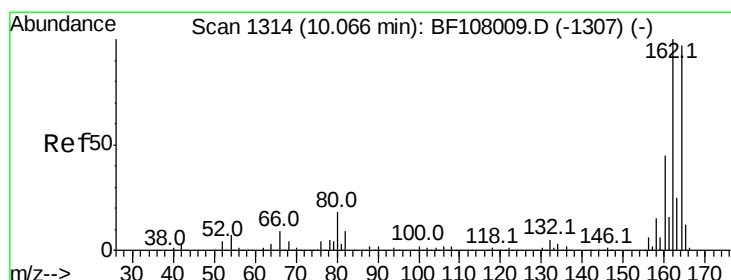
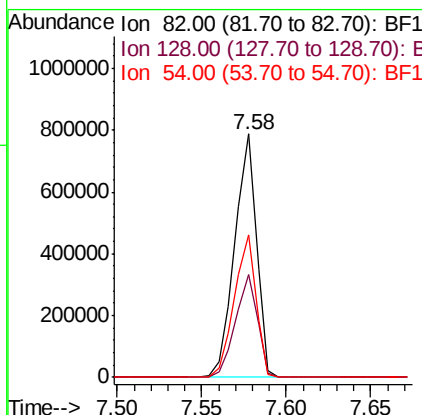
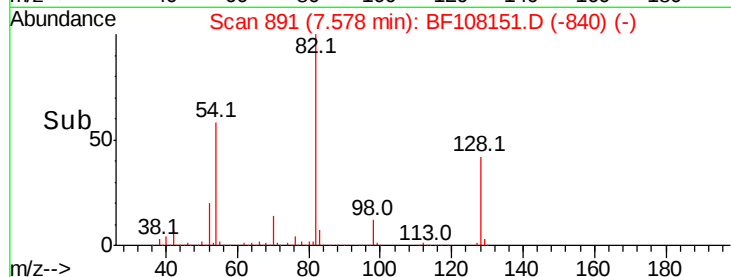
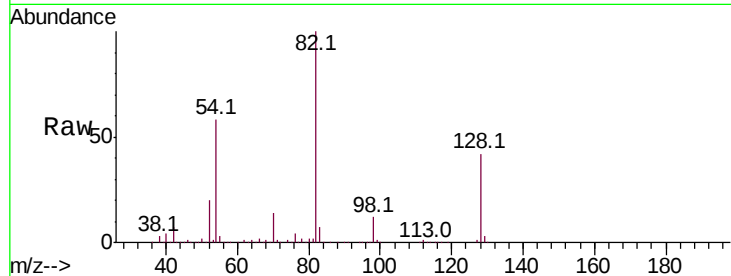
#23
Nitrobenzene-d5
Concen: 65.967 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	36.1	54.1
54	58.3	41.4	62.2

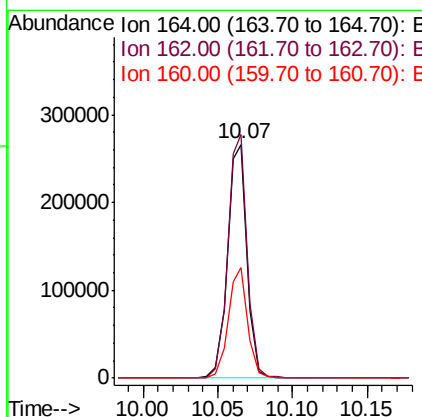
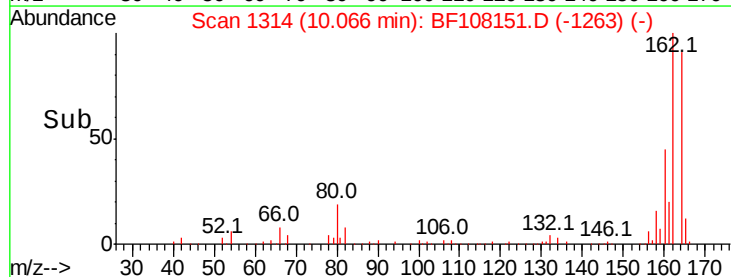
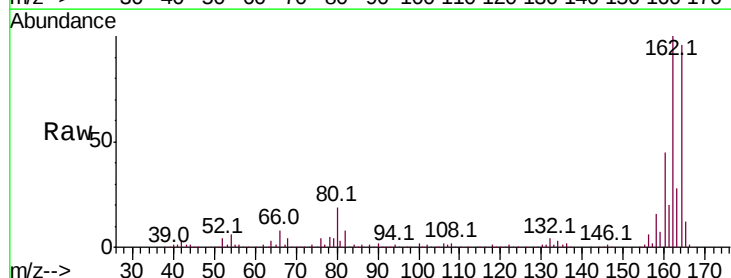
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	47.4	38.3	57.5





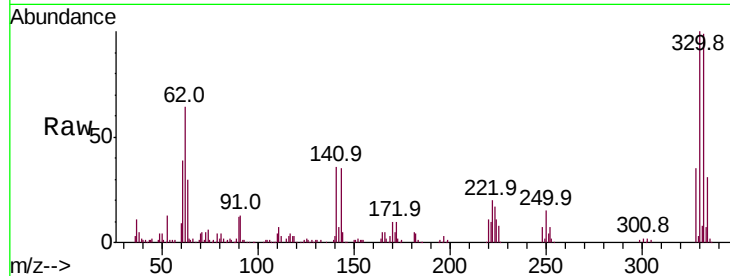
#41
 2,4,6-Tribromophenol
 Concen: 81.372 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108151.D
 Acq: 14 Aug 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :
 RA-080918-SW-002

Tot Ion	Ratio	Resp	Lower	Upper
330	100	199843		
332	97.3	77.0	115.6	
141	33.6	29.9	44.9	

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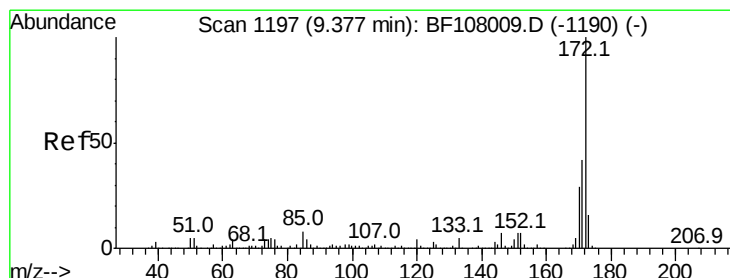
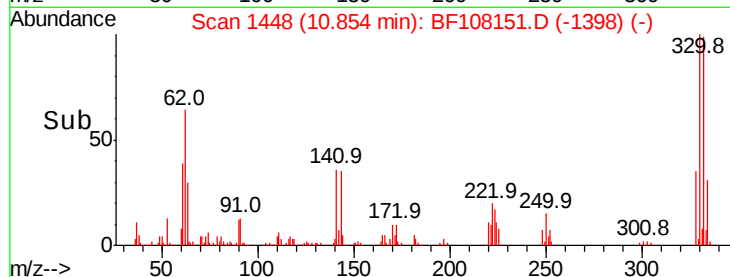
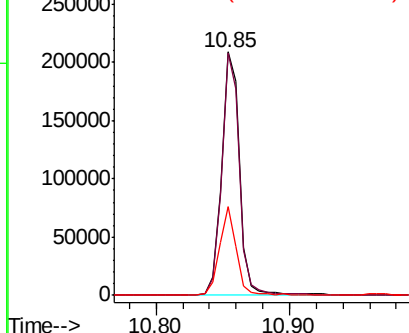


Abundance

Ion 329.80 (329.50 to 330.50): E

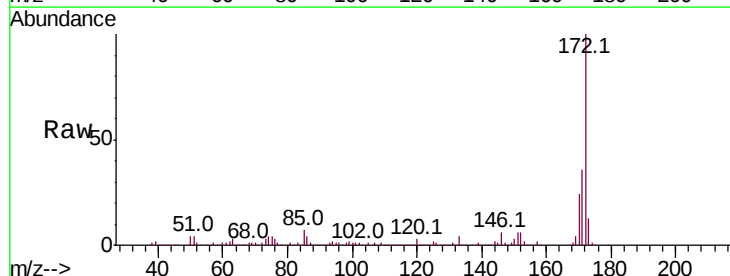
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 70.580 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108151.D
 Acq: 14 Aug 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1082408		
171	36.1	29.7	44.5	
170	24.0	19.6	29.4	

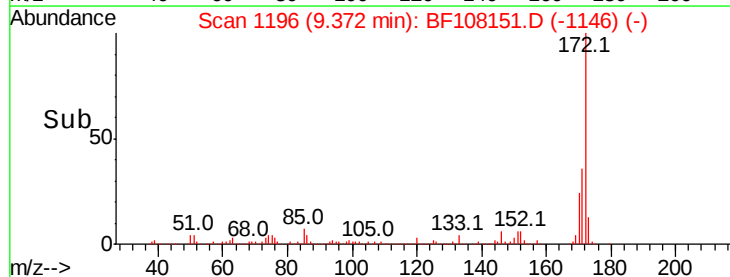
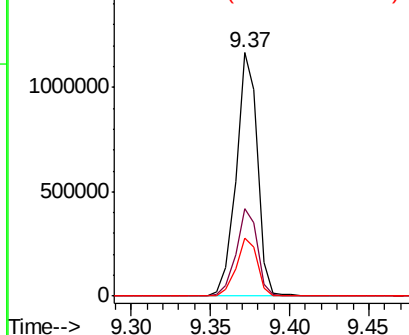


Abundance

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





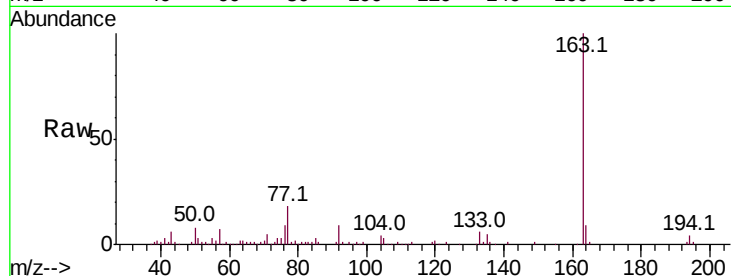
#49
Dimethylphthalate
Concen: 6.946 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

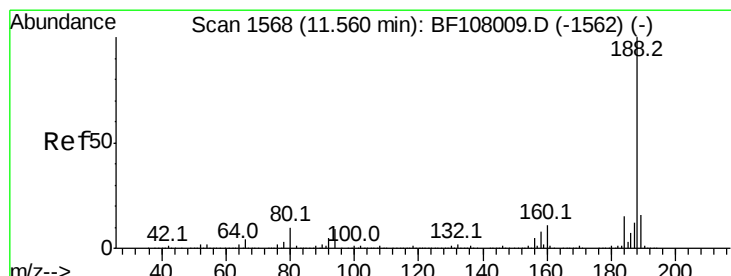
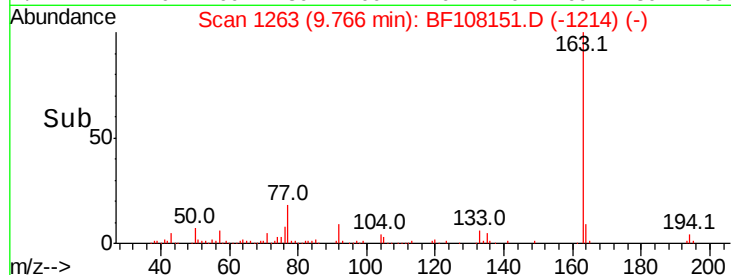
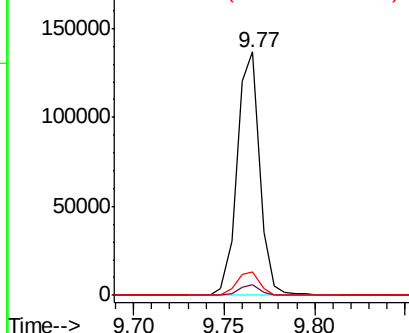
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	2.7	4.1#	
164	9.4	8.2	12.2	

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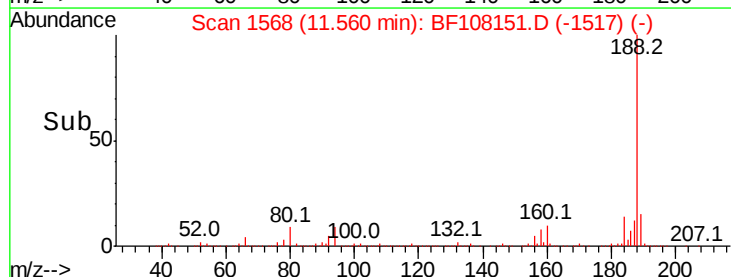
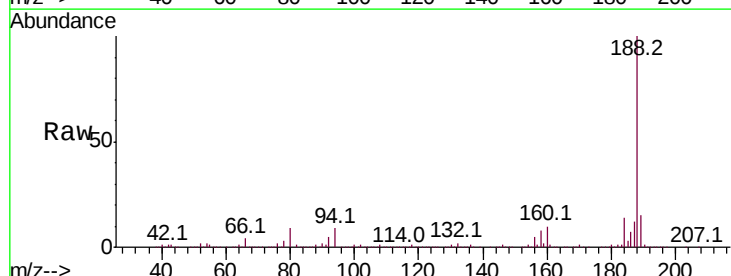
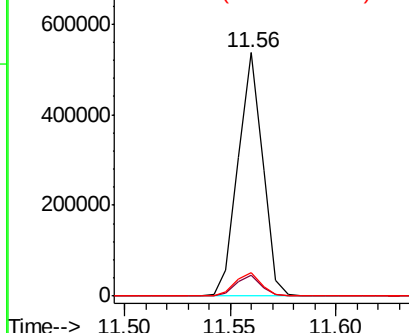
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

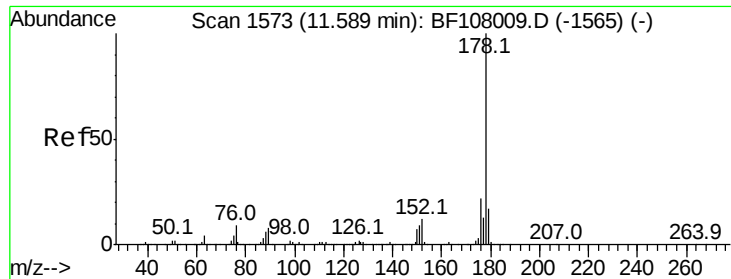


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.6	8.5	12.7	
80	9.5	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





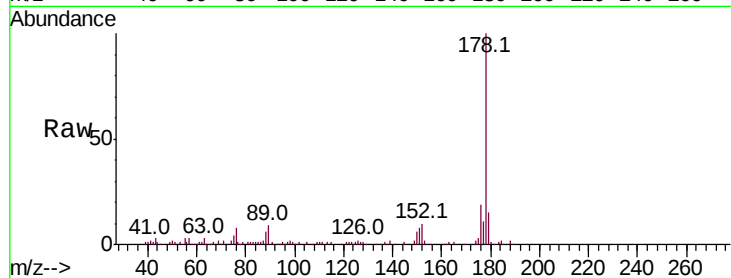
#70
Phenanthrene
Concen: 3.784 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

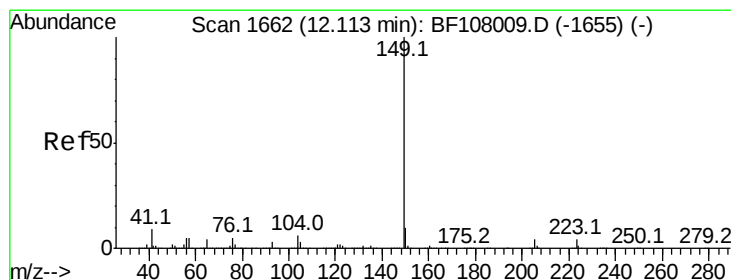
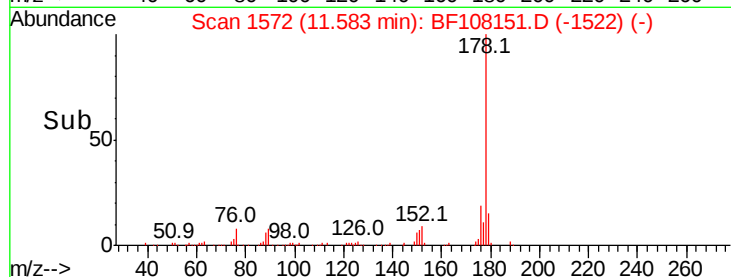
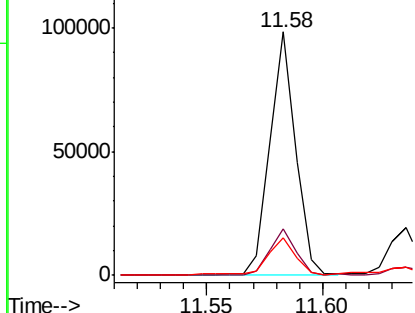
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.2	13.0	19.6

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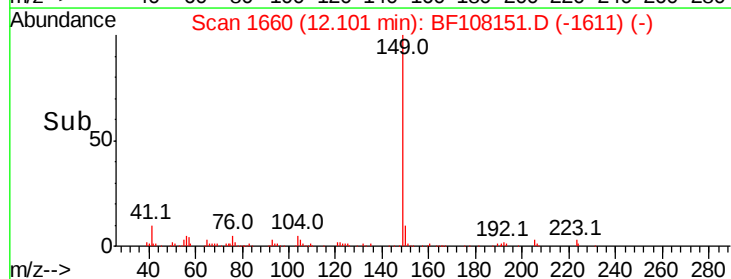
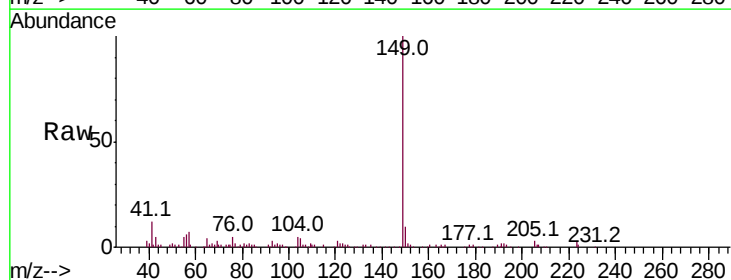
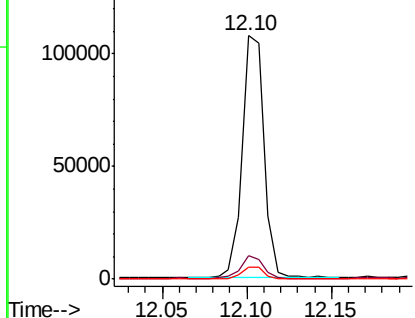
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

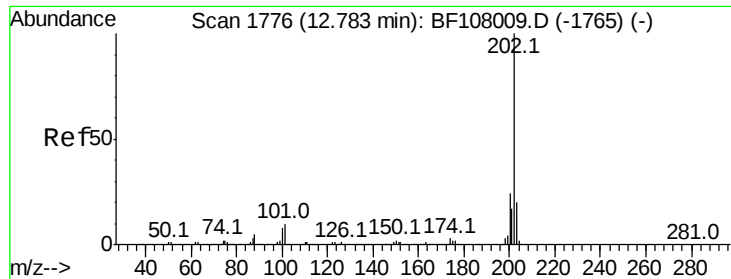


#73
Di-n-butylphthalate
Concen: 4.630 ng
RT: 12.10 min Scan# 1660
Delta R.T. -0.01 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.8	11.6
104	5.0	3.8	5.8

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 6.723 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108151.D

Acq: 14 Aug 2018 18:07

Instrument :

BNA_F

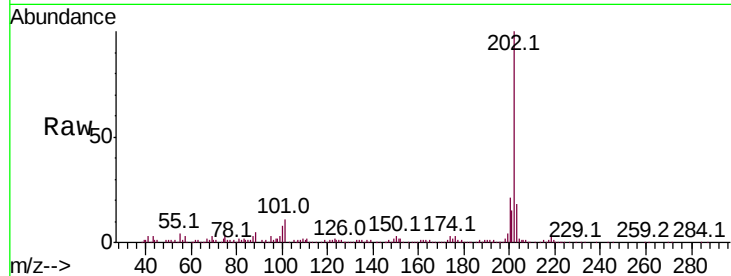
ClientSampleId :

RA-080918-SW-002

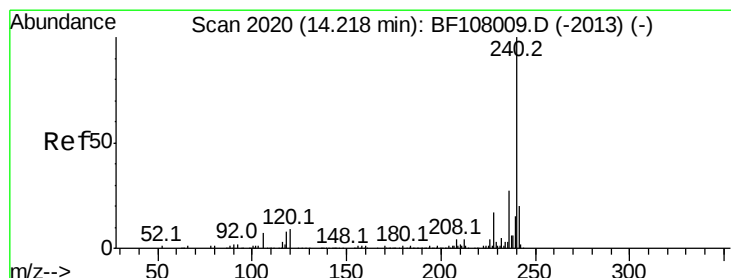
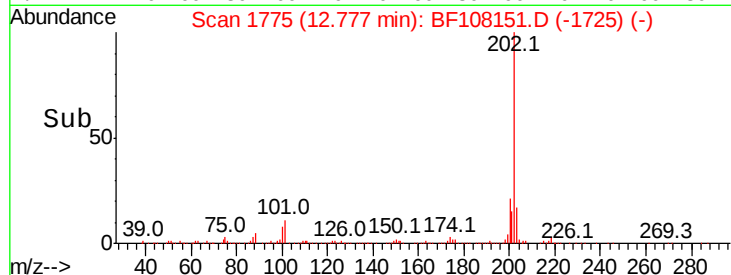
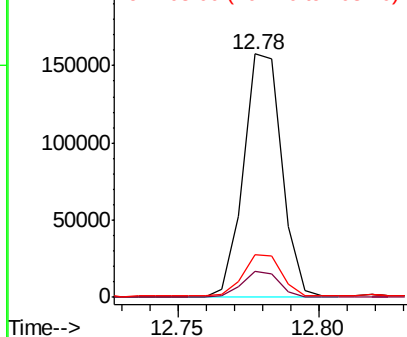
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.8	0.0	34.1		
203	17.7	0.0	38.1		

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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: 14.22 min Scan# 2020

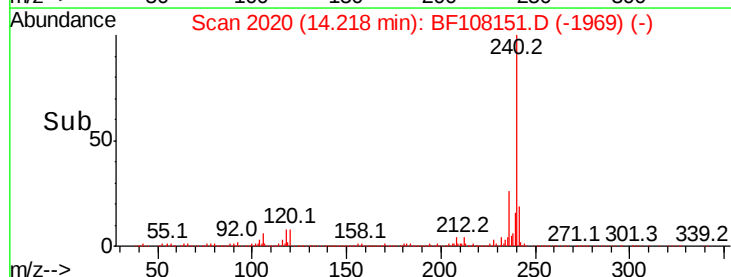
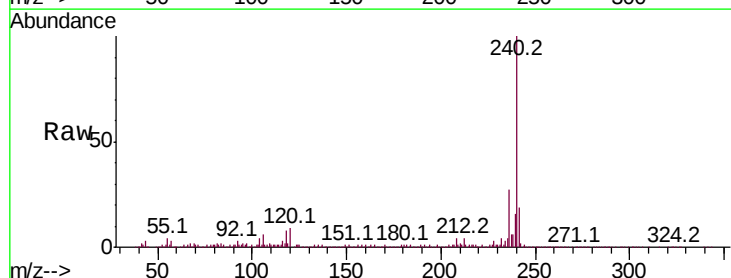
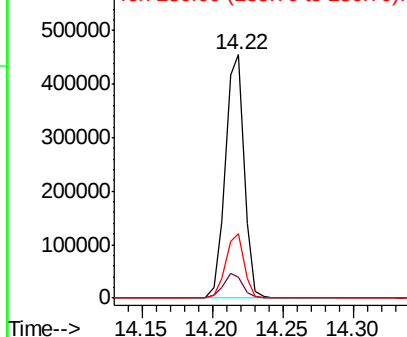
Delta R.T. 0.00 min

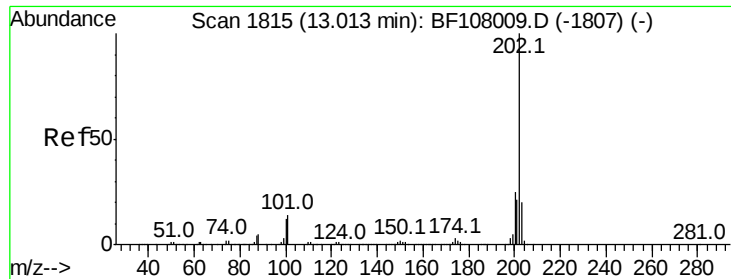
Lab File: BF108151.D

Acq: 14 Aug 2018 18:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	8.6	9.5	14.3#		
236	26.5	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





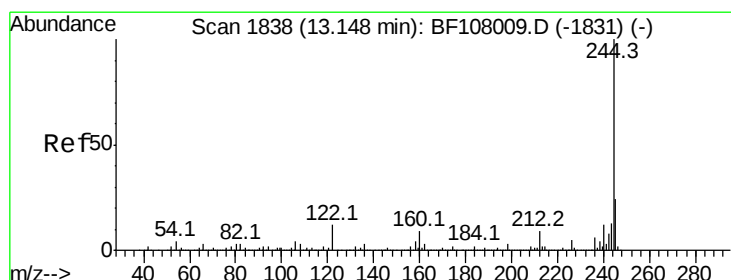
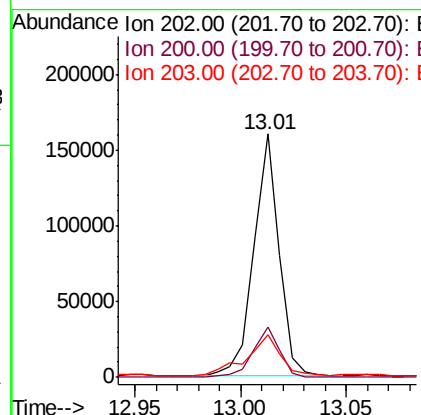
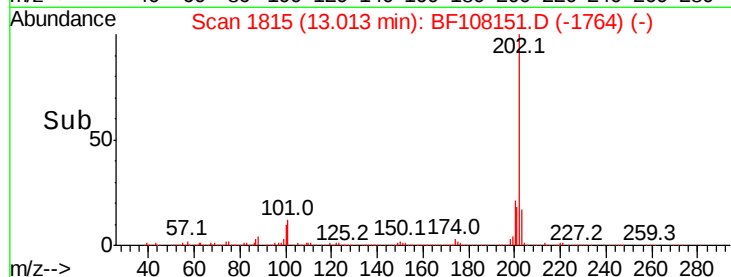
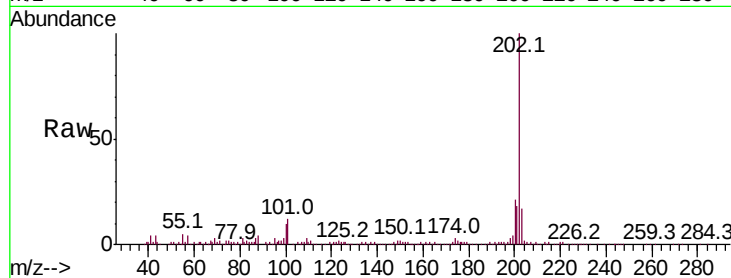
#77
Pvrene
Concen: 5.007 ng
RT: 13.01 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.4	14.3	21.5

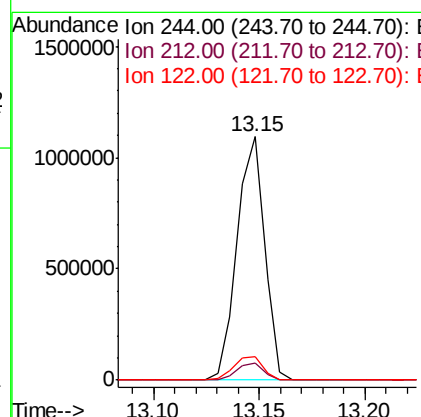
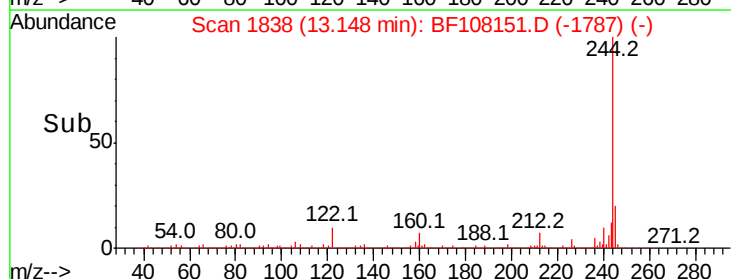
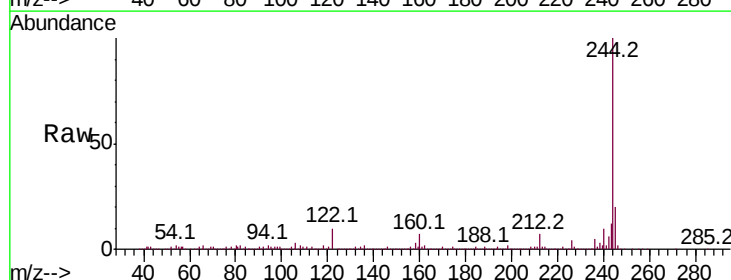
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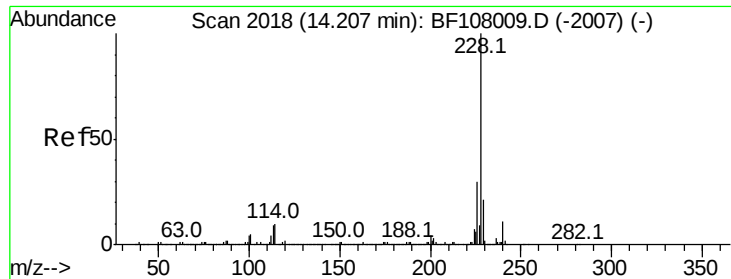
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#78
Terphenyl-d14
Concen: 59.406 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.4	8.0
122	9.7	11.0	16.4#





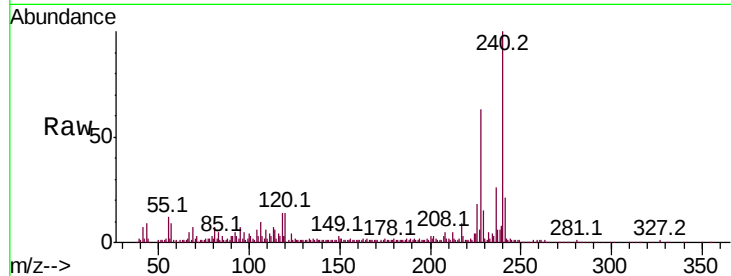
#80
Benzo(a)anthracene
Concen: 3.722 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	23.1	15.8	23.6

Manual Integrations
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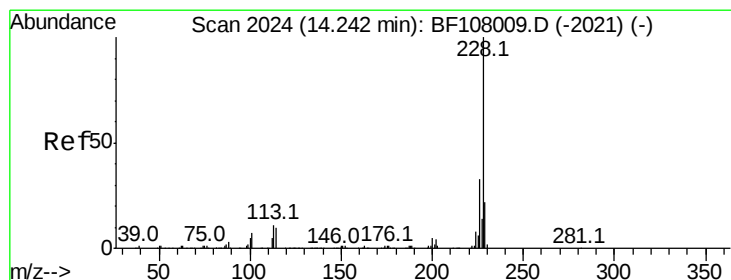
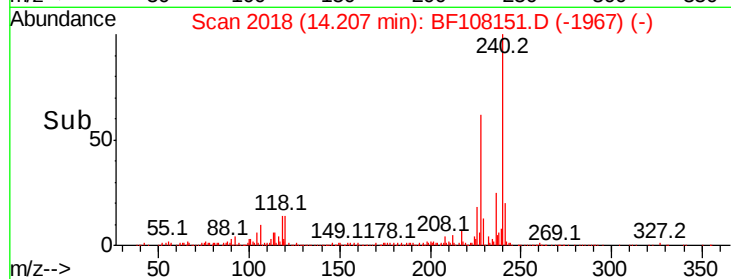
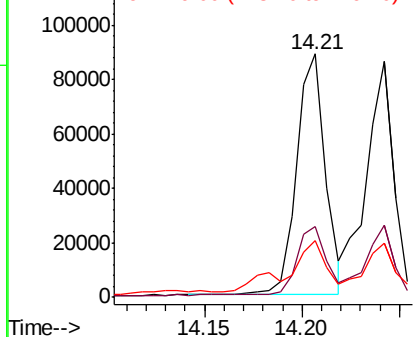


Abundance

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: 3.803 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

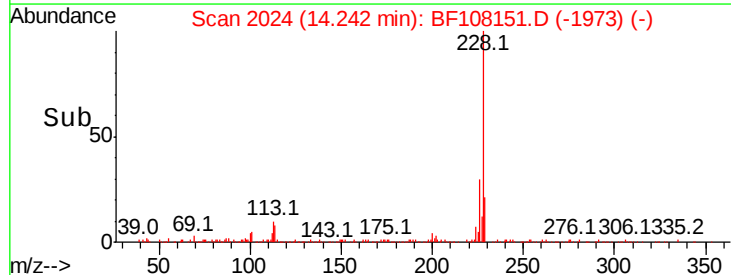
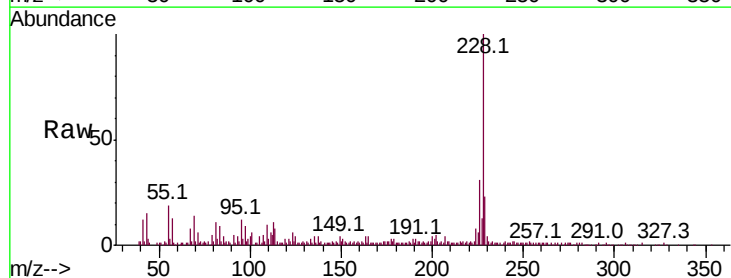
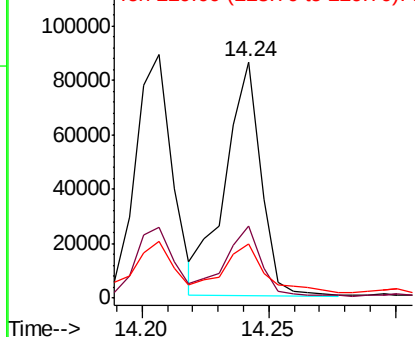
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.8	16.2	24.4

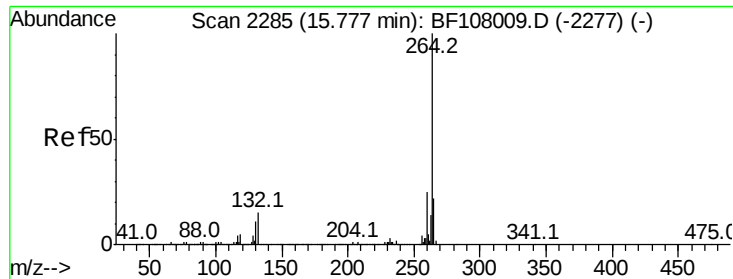
Abundance

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





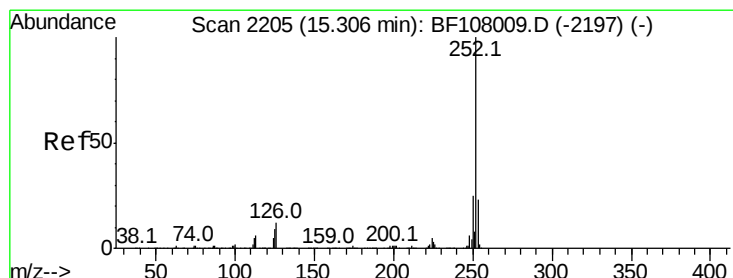
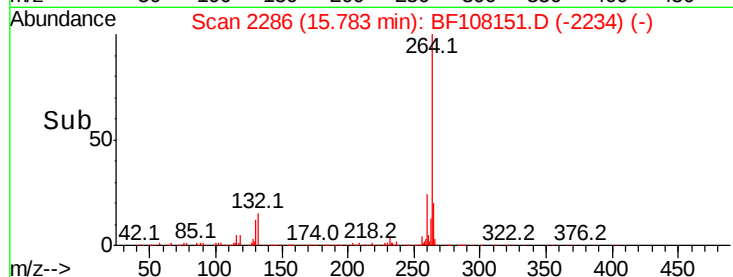
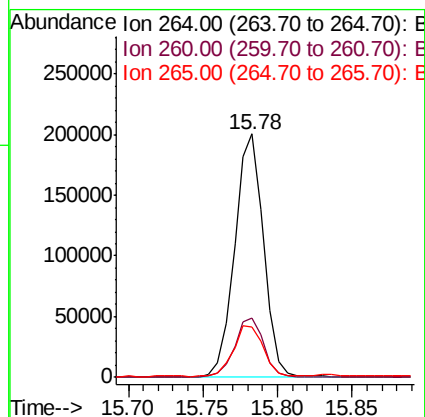
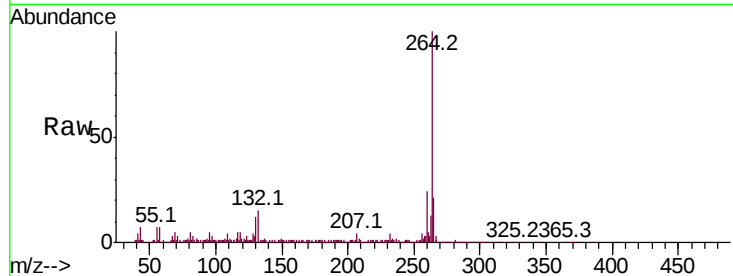
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.78 min Scan# 2286
 Delta R.T. 0.01 min
 Lab File: BF108151.D
 Acq: 14 Aug 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :
 RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	20.6	17.5	26.3

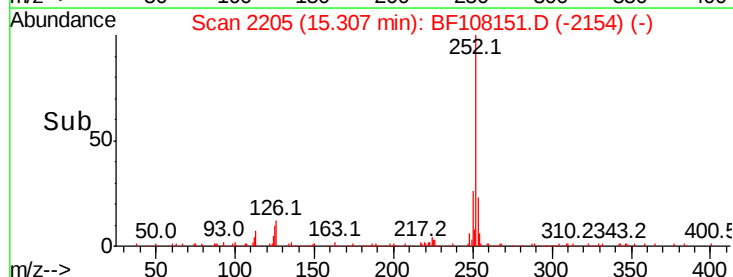
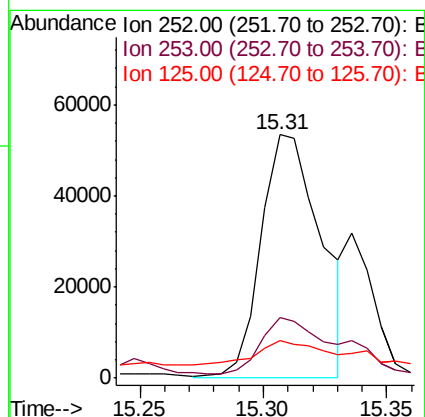
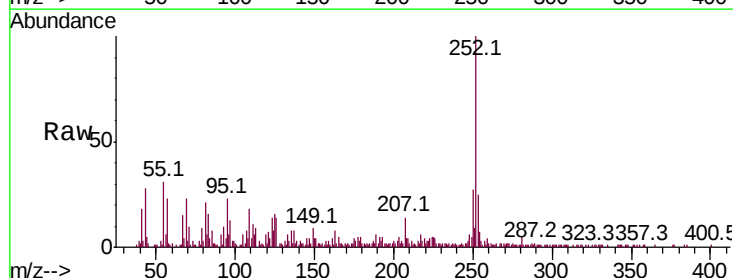
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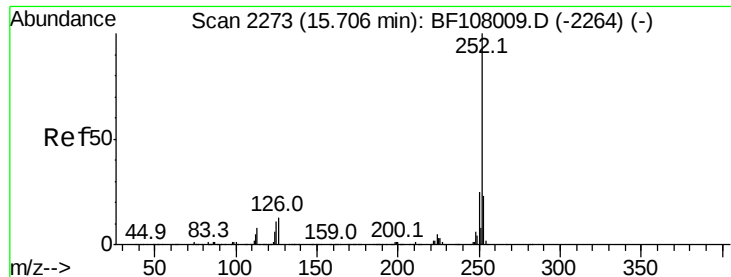
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 8/15/2018 3:38:41 PM



#87
 Benzo(b)fluoranthene
 Concen: 5.600 ng m
 RT: 15.31 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BF108151.D
 Acq: 14 Aug 2018 18:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	15.6	9.0	13.6#





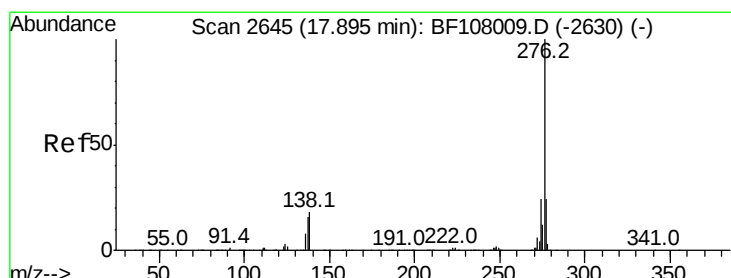
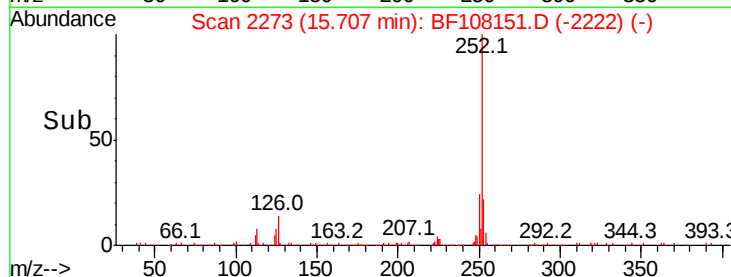
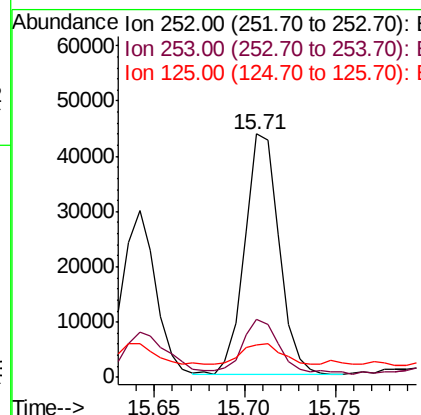
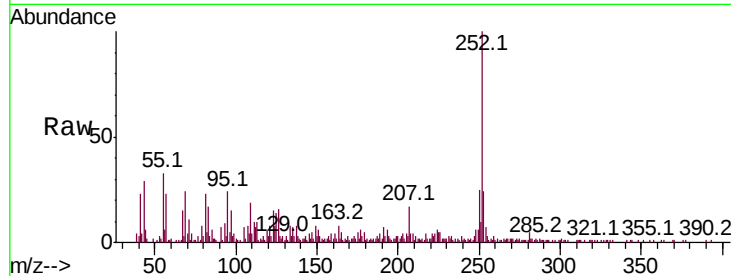
#89
Benzo(a)pyrene
Concen: 3.939 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	13.6	9.8	14.6

Manual Integrations
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8/15/2018 3:38:41 PM



#91
Benzo(g,h,i)perylene
Concen: 2.567 ng
RT: 17.89 min Scan# 2645
Delta R.T. 0.00 min
Lab File: BF108151.D
Acq: 14 Aug 2018 18:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	19.8	21.8	32.8#

