

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018913.D
 Acq On : 18 Dec 2023 18:43
 Operator : MA/JU
 Sample : 05794-22 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRG3

Quant Time: Dec 18 21:42:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	208379	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	776440	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.457	164	491669	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	1121809	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1061724	20.000	ng/u1	0.00
88) Perylene-d12	23.674	264	1307355	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	7324	1.198	ng/uL	0.00
4) Pyridine-d5	3.687	84	14600	0.891	ng/u1	0.01
7) Phenol-d5	6.999	99	128496	6.145	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.164	67	73986	5.969	ng/u1	0.00
11) 2-Chlorophenol-d4	7.358	132	102565	6.286	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	99843	5.900	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	46971	6.797	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	49624	6.926	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.246	165	101117	6.902	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	63866	3.336	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	311870	7.107	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	379010	7.844	ng/u1	0.00
54) 4-Nitrophenol-d4	14.675	143	18056	2.507	ng/u1	0.00
60) Fluorene-d10	15.451	176	303533	8.240	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	12602	1.874	ng/u1	0.00
73) Anthracene-d10	17.310	188	487499	8.266	ng/u1	0.00
81) Pyrene-d10	19.545	212	569105	6.886	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.522	264	575728	7.553	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.034	94	21091	1.028	ng/u1	92
16) Acetophenone	8.652	105	149825	5.940	ng/u1	100
30) Naphthalene	10.675	128	113807	2.416	ng/u1	100
36) 2-Methylnaphthalene	12.281	142	53165	1.593	ng/u1	99
37) 1-Methylnaphthalene	12.499	142	47143	1.399	ng/u1#	96
50) Acenaphthylene	14.181	152	206308	3.798	ng/u1	99
52) Acenaphthene	14.522	153	100818	2.807	ng/u1	97
56) Dibenzofuran	14.857	168	97866	1.960	ng/u1	96
61) Fluorene	15.510	166	164606	4.167	ng/u1	97
69) Hexachlorobenzene	16.510	284	22422	1.418	ng/u1	97
72) Phenanthrene	17.251	178	1885618	27.831	ng/u1	100
74) Anthracene	17.345	178	625111	9.205	ng/u1	99
77) Carbazole	17.616	167	186457	3.445	ng/u1	98
78) Di-n-butylphthalate	18.175	149	119913	1.664	ng/u1	98
80) Fluoranthene	19.369	202	119100	1.219	ng/u1	98
82) Pyrene	19.575	202	3532357	35.842	ng/u1	94
85) Benzo(a)anthracene	21.286	228	2033275	23.594	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.216	149	55507	1.119	ng/u1#	89
87) Chrysene	21.339	228	1984084	25.001	ng/u1	96
90) Benzo(b)fluoranthene	22.957	252	2623597	27.218	ng/u1	98
91) Benzo(k)fluoranthene	22.957	252	2623597	28.130	ng/u1	98
93) Benzo(a)pyrene	23.574	252	1829198	20.768	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.145	276	1286110	12.221	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.157	278	400209	4.572	ng/u1#	74

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

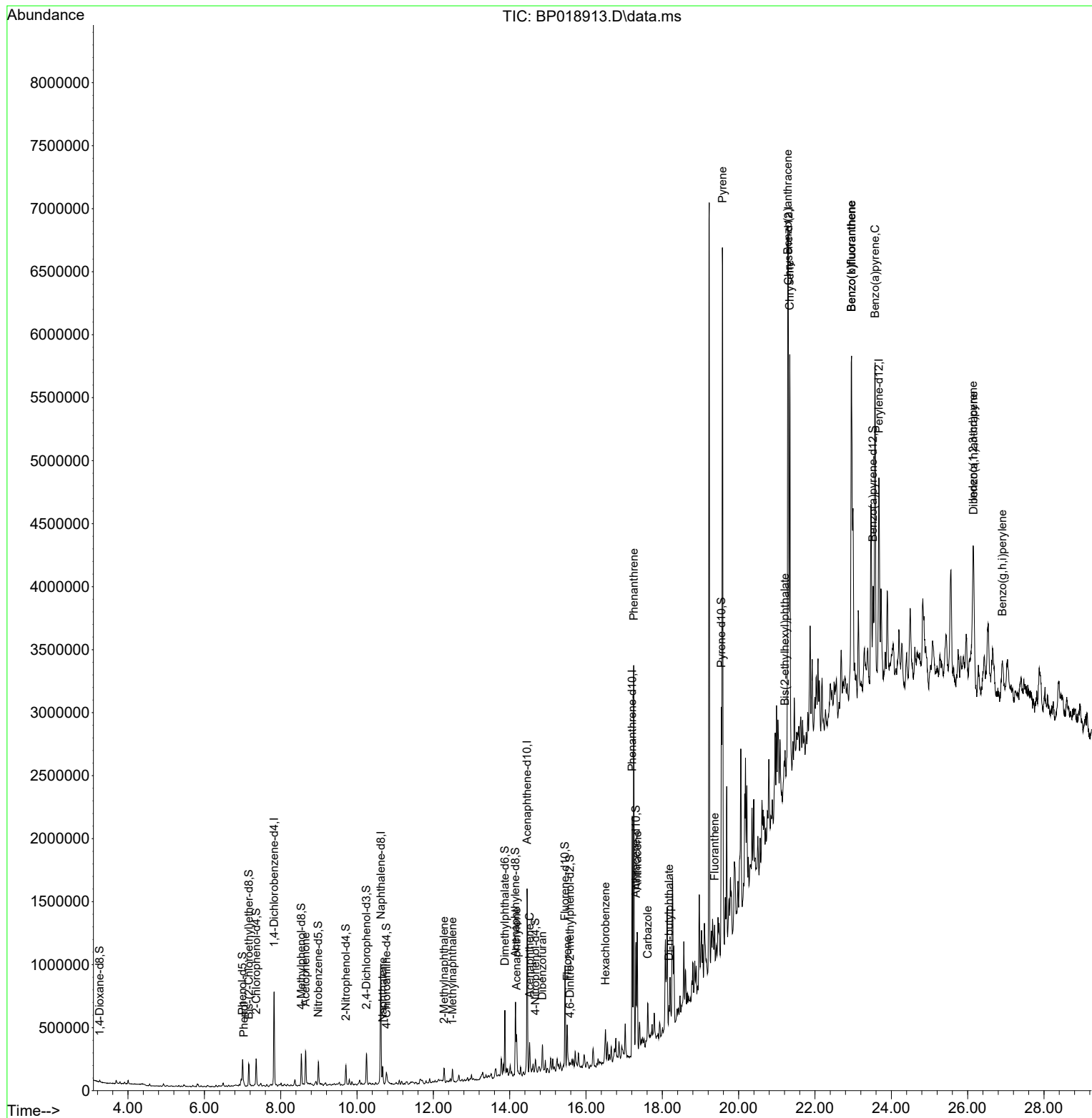
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	26.910	276	409955	4.841	ng/ul#	92

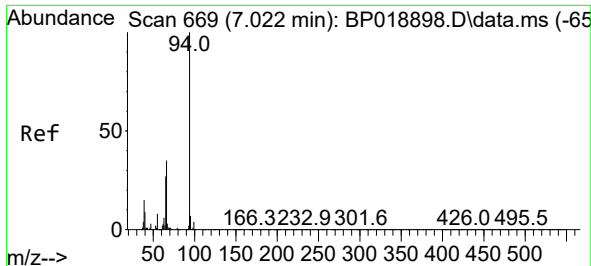
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Phenol

Concen: 1.028 ng/ul

RT: 7.034 min Scan# 6

Delta R.T. 0.006 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

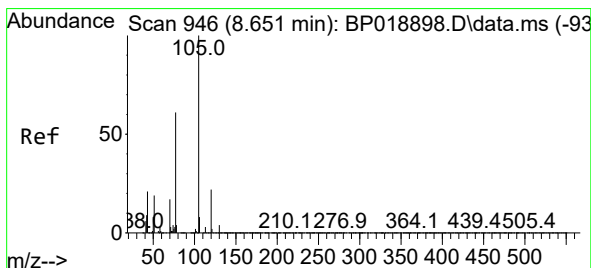
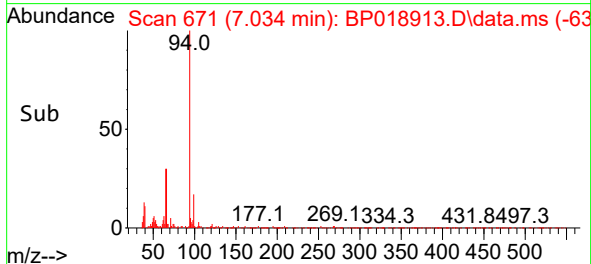
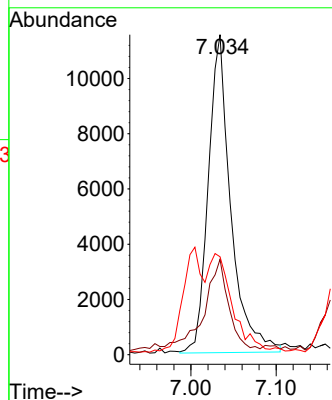
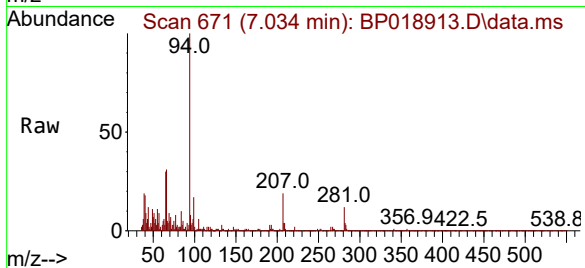
Tgt Ion: 94 Resp: 21091

Ion Ratio Lower Upper

94 100

65 29.8 21.0 31.6

66 30.6 28.6 43.0



#16

Acetophenone

Concen: 5.940 ng/ul

RT: 8.652 min Scan# 946

Delta R.T. -0.006 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

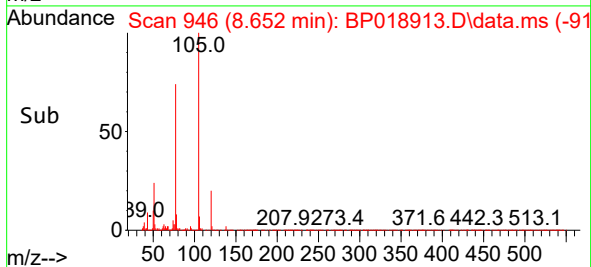
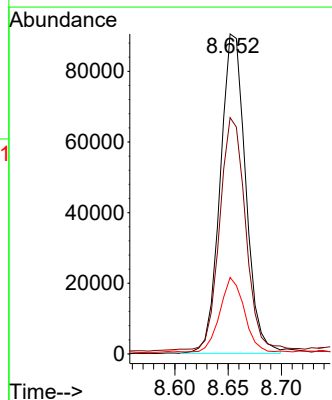
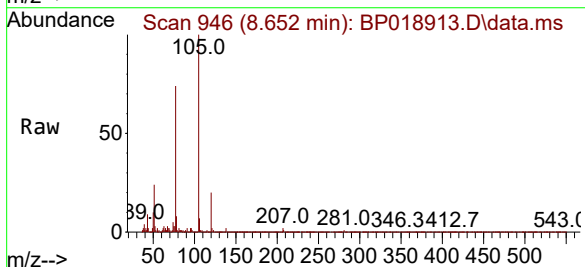
Tgt Ion: 105 Resp: 149825

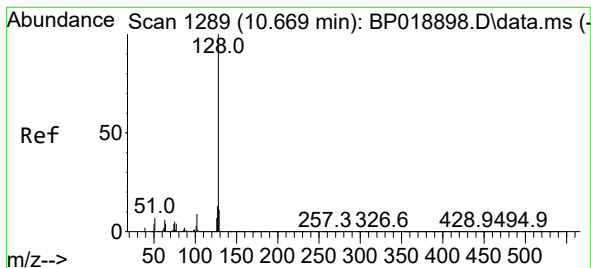
Ion Ratio Lower Upper

105 100

77 73.9 59.4 89.0

51 23.9 19.4 29.0





#30

Naphthalene

Concen: 2.416 ng/ul

RT: 10.675 min Scan# 1289

Delta R.T. 0.000 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

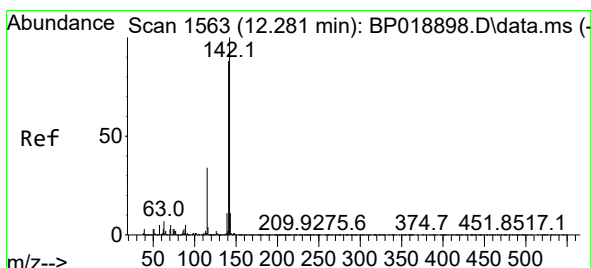
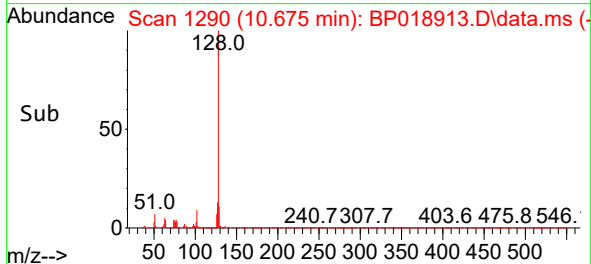
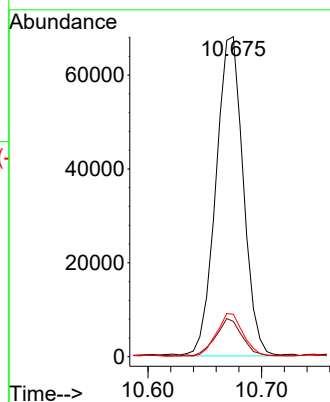
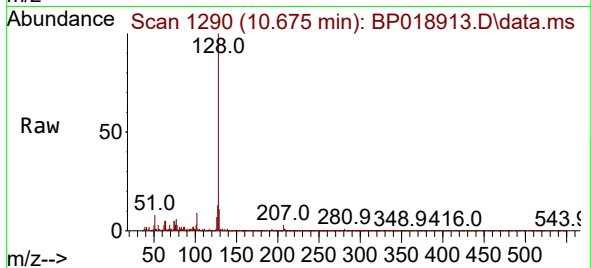
Tgt Ion:128 Resp: 113807

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.5 15.7



#36

2-Methylnaphthalene

Concen: 1.593 ng/ul

RT: 12.281 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BP018913.D

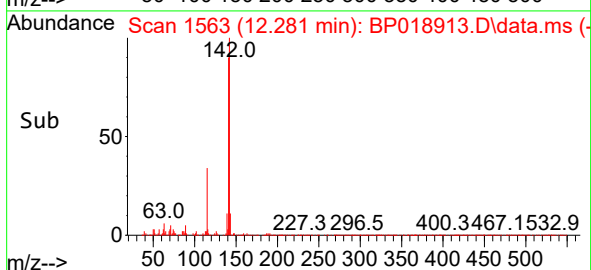
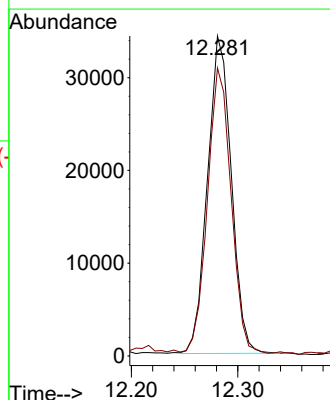
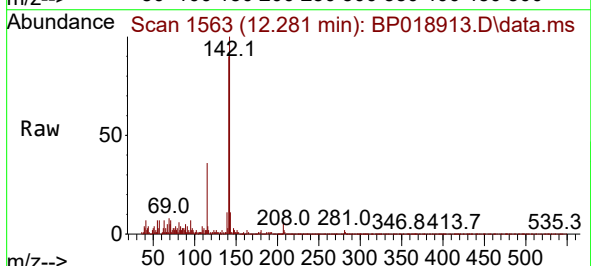
Acq: 18 Dec 2023 18:43

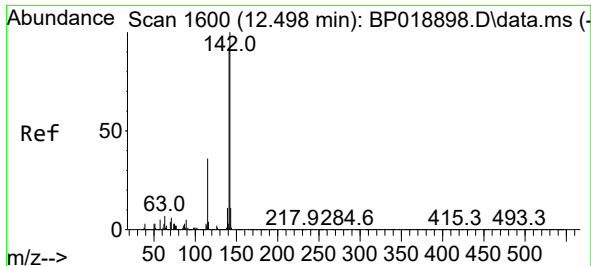
Tgt Ion:142 Resp: 53165

Ion Ratio Lower Upper

142 100

141 90.0 71.4 107.0

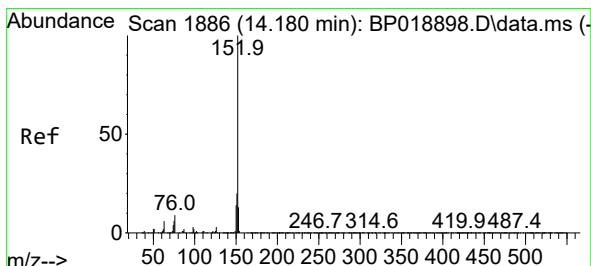
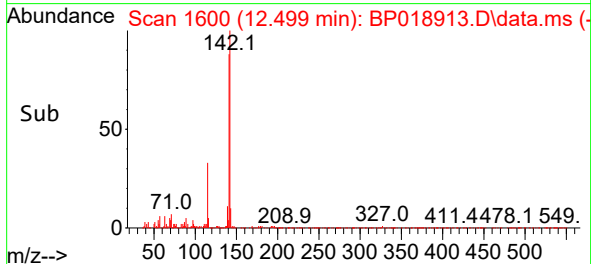
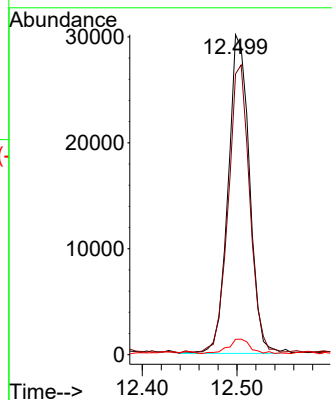
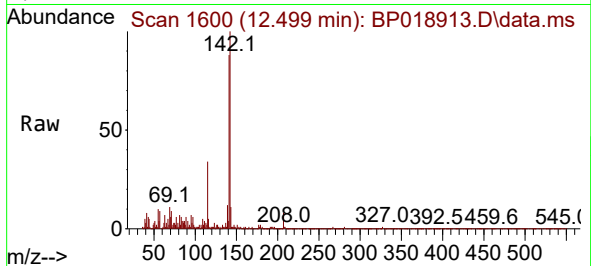




#37
1-Methylnaphthalene
Concen: 1.399 ng/ul
RT: 12.499 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

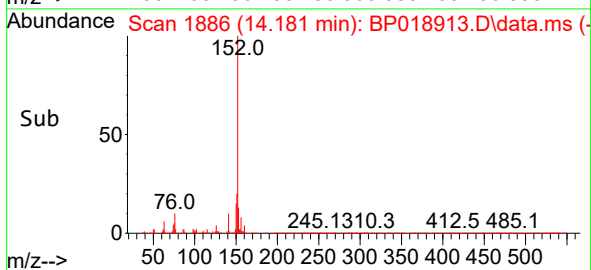
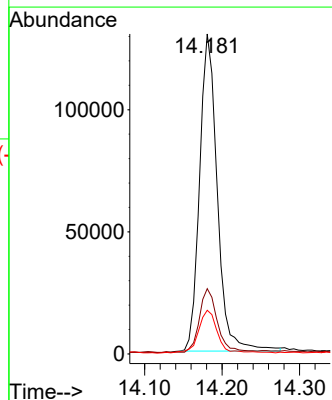
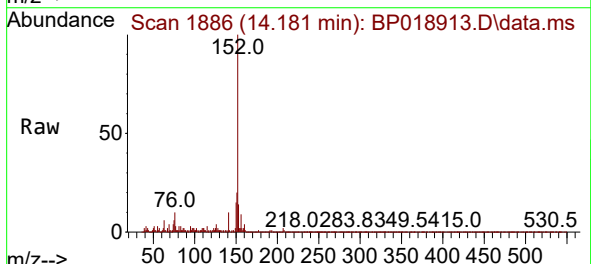
Instrument :
BNA_P
ClientSampleId :
BGRG3

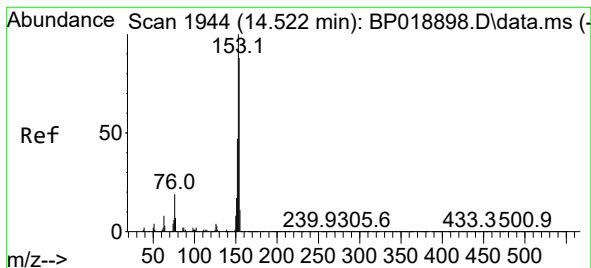
Tgt Ion:142 Resp: 47143
Ion Ratio Lower Upper
142 100
141 87.8 73.5 110.3
116 4.8 2.8 4.2#



#50
Acenaphthylene
Concen: 3.798 ng/ul
RT: 14.181 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

Tgt Ion:152 Resp: 206308
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.6 10.6 16.0





#52

Acenaphthene

Concen: 2.807 ng/ul

RT: 14.522 min Scan# 1944

Delta R.T. -0.006 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

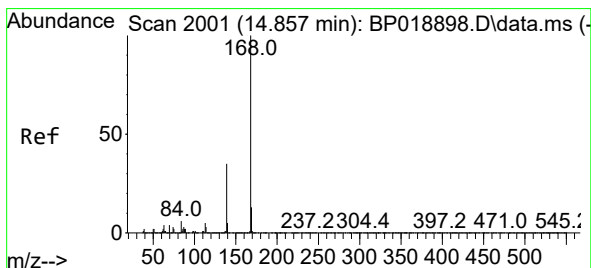
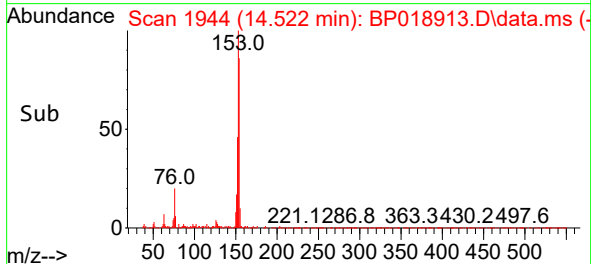
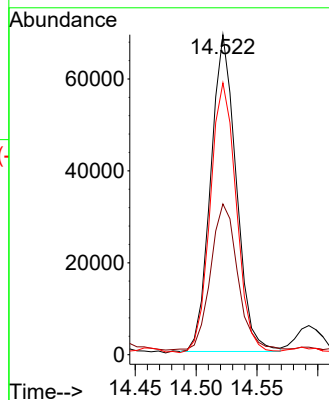
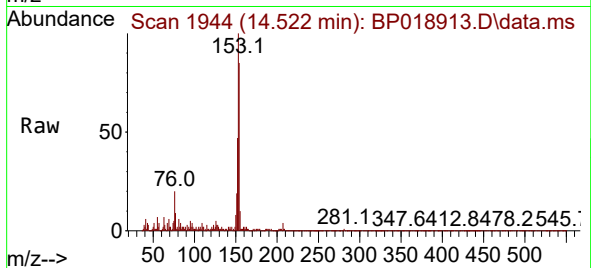
Tgt Ion:153 Resp: 100818

Ion Ratio Lower Upper

153 100

152 47.1 38.1 57.1

154 85.0 71.7 107.5



#56

Dibenzofuran

Concen: 1.960 ng/ul

RT: 14.857 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BP018913.D

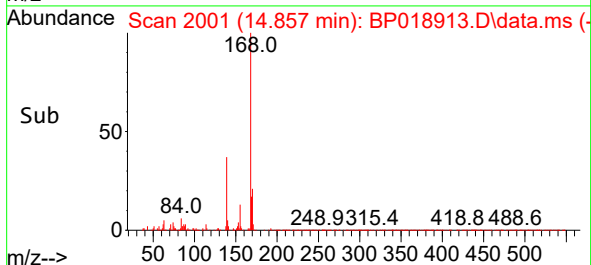
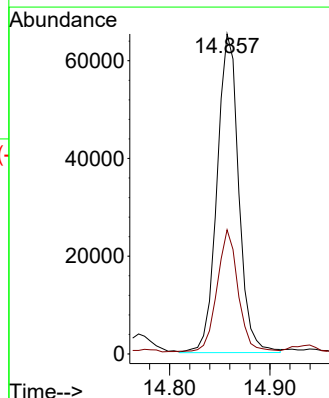
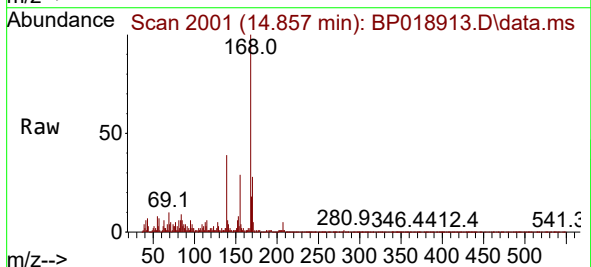
Acq: 18 Dec 2023 18:43

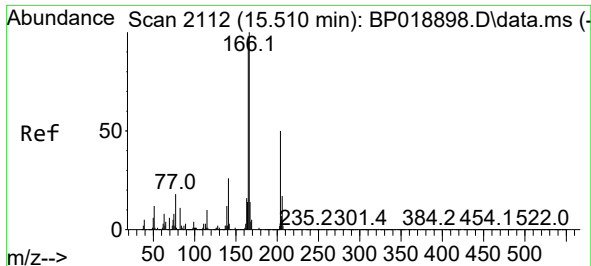
Tgt Ion:168 Resp: 97866

Ion Ratio Lower Upper

168 100

139 38.8 29.1 43.7

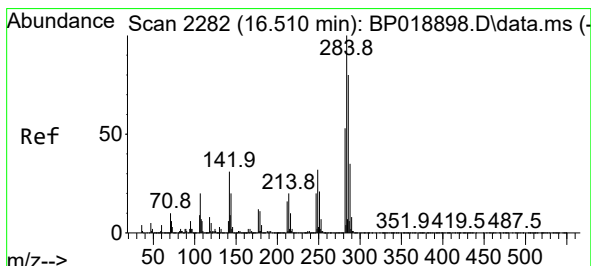
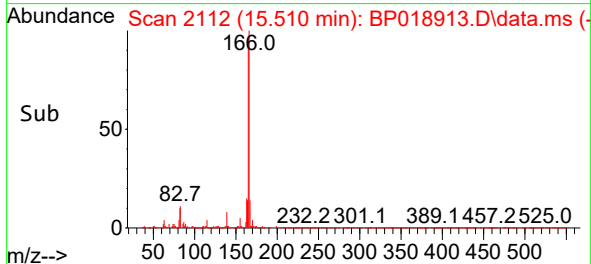
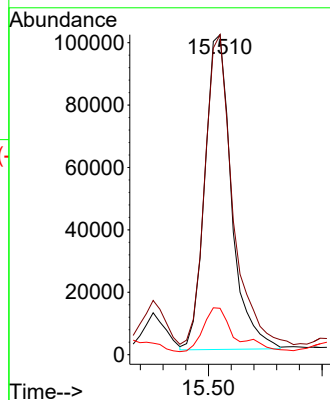
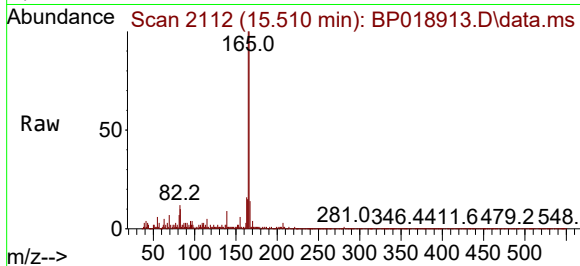




#61
Fluorene
Concen: 4.167 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

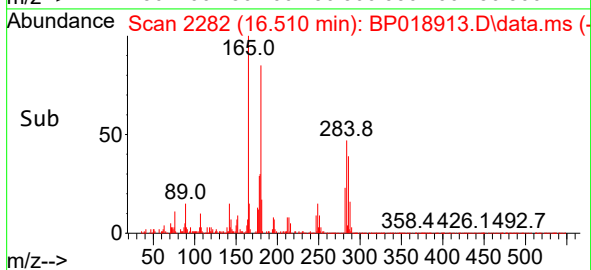
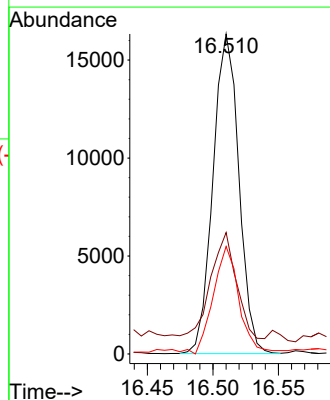
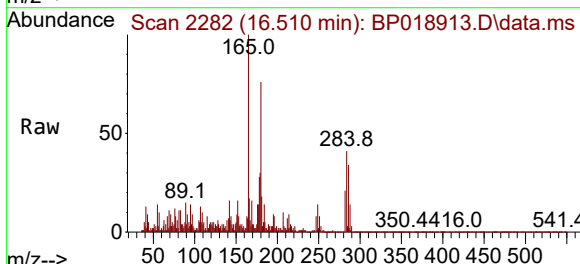
Instrument :
BNA_P
ClientSampleId :
BGRG3

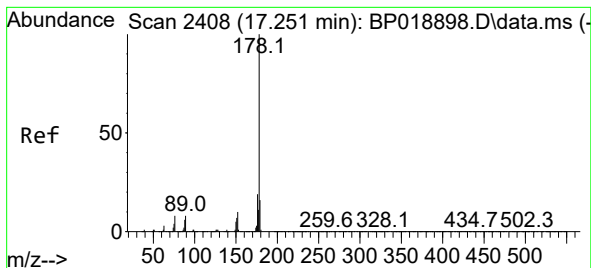
Tgt Ion:166 Resp: 164606
Ion Ratio Lower Upper
166 100
165 100.0 78.0 117.0
167 14.5 10.8 16.2



#69
Hexachlorobenzene
Concen: 1.418 ng/ul
RT: 16.510 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

Tgt Ion:284 Resp: 22422
Ion Ratio Lower Upper
284 100
142 35.2 25.8 38.6
249 31.2 24.9 37.3





#72

Phenanthrene

Concen: 27.831 ng/ul

RT: 17.251 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

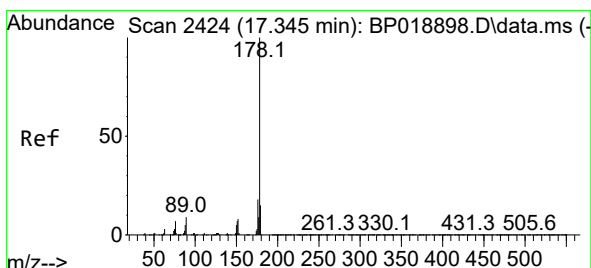
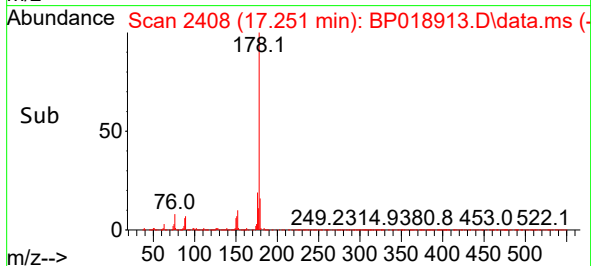
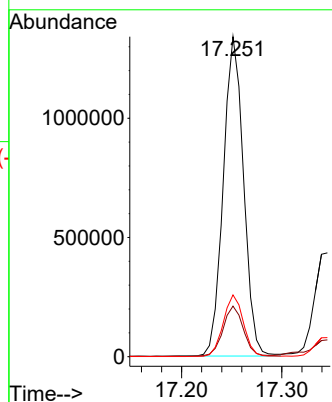
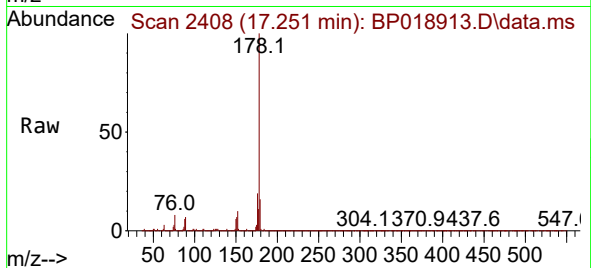
Tgt Ion:178 Resp: 1885618

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

176 19.3 15.4 23.2



#74

Anthracene

Concen: 9.205 ng/ul

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

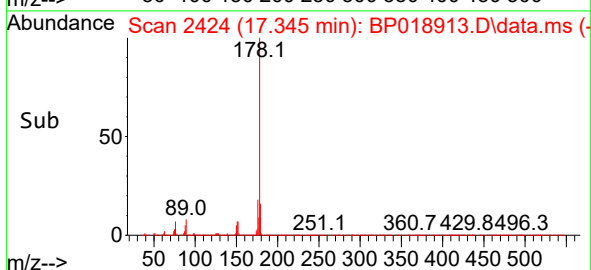
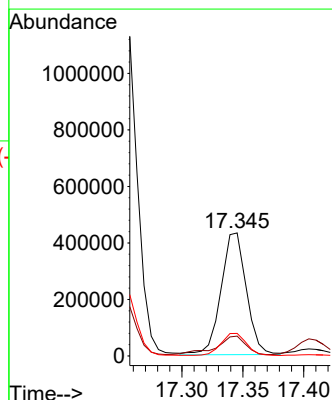
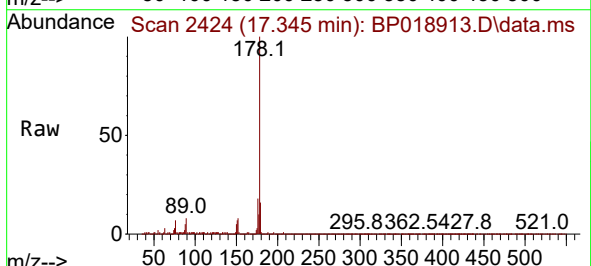
Tgt Ion:178 Resp: 625111

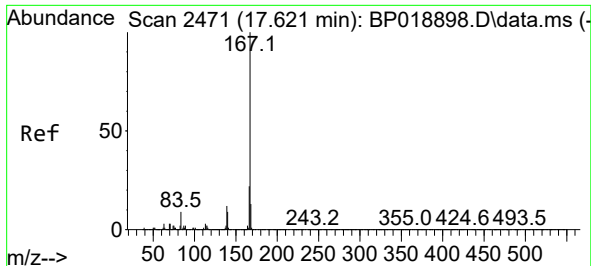
Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

176 18.4 15.0 22.6

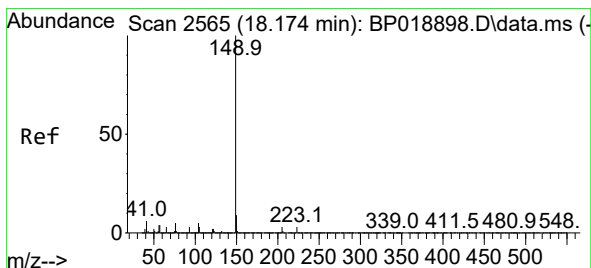
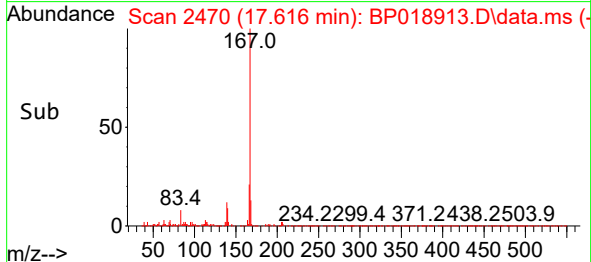
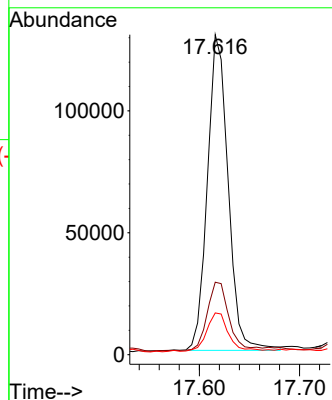
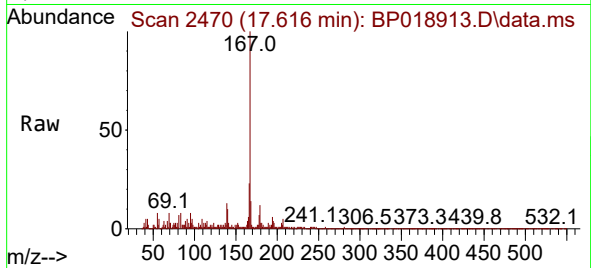




#77
Carbazole
Concen: 3.445 ng/ul
RT: 17.616 min Scan# 2471
Delta R.T. -0.006 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

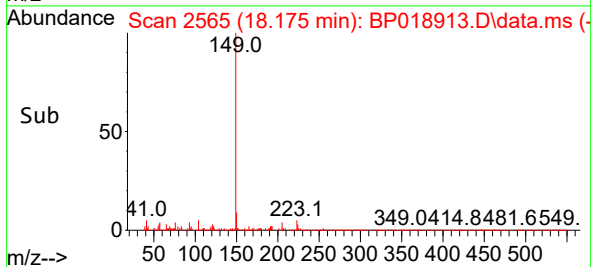
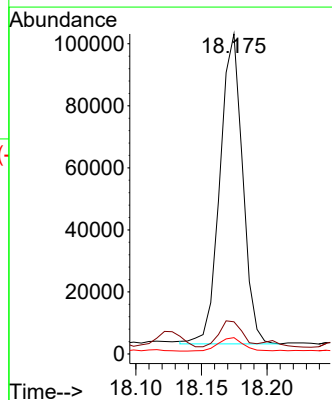
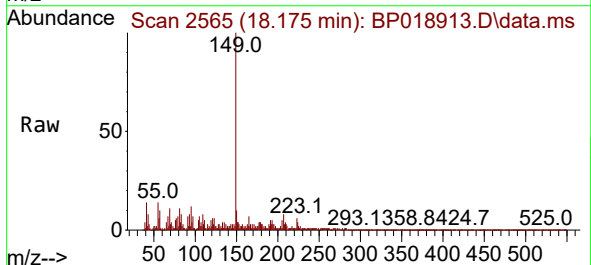
Instrument :
BNA_P
ClientSampleId :
BGRG3

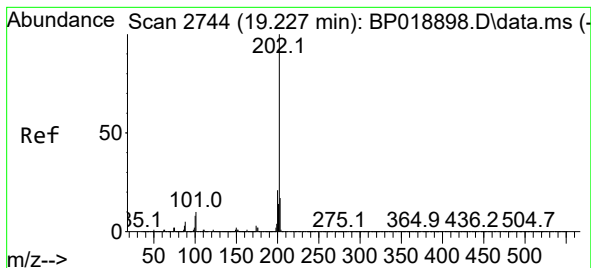
Tgt Ion:167 Resp: 186457
Ion Ratio Lower Upper
167 100
166 22.6 17.1 25.7
139 13.0 10.2 15.4



#78
Di-n-butylphthalate
Concen: 1.664 ng/ul
RT: 18.175 min Scan# 2565
Delta R.T. -0.006 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

Tgt Ion:149 Resp: 119913
Ion Ratio Lower Upper
149 100
150 10.1 7.4 11.2
104 5.1 3.9 5.9





#80

Fluoranthene

Concen: 1.219 ng/ul

RT: 19.369 min Scan# 21

Delta R.T. 0.141 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

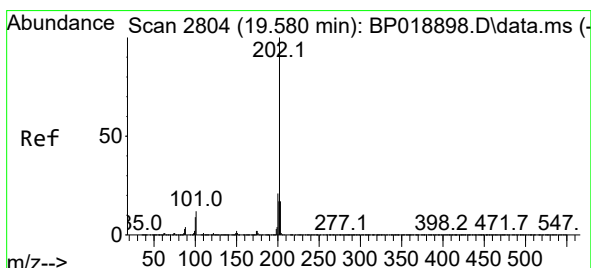
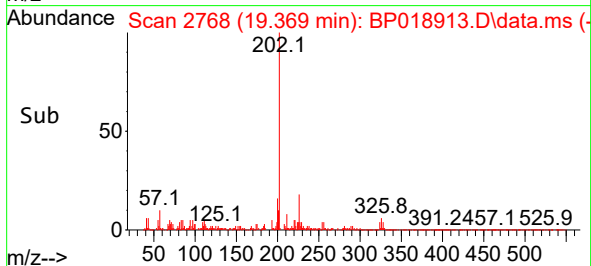
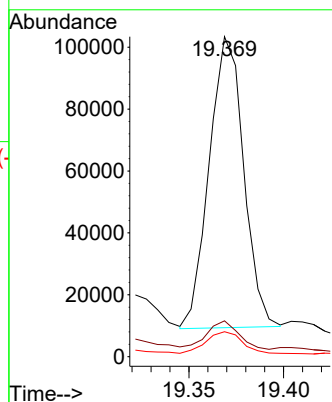
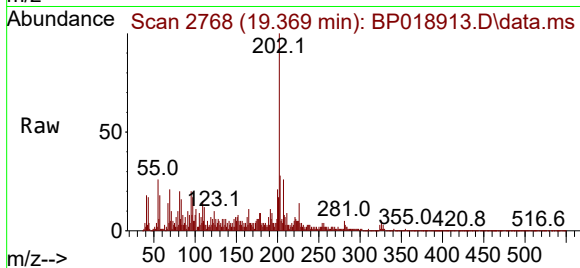
Tgt Ion:202 Resp: 119100

Ion Ratio Lower Upper

202 100

101 11.2 9.1 13.7

100 7.8 7.1 10.7



#82

Pyrene

Concen: 35.842 ng/ul

RT: 19.575 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

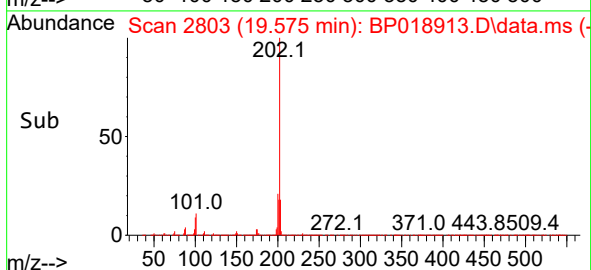
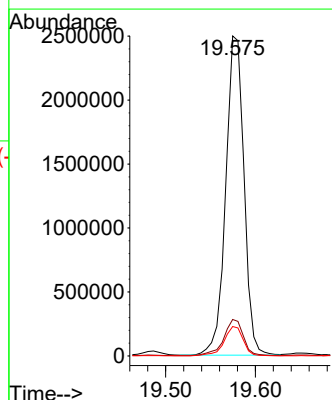
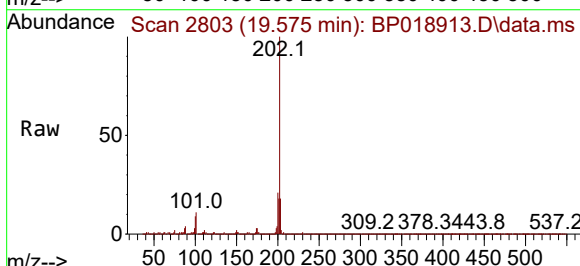
Tgt Ion:202 Resp: 3532357

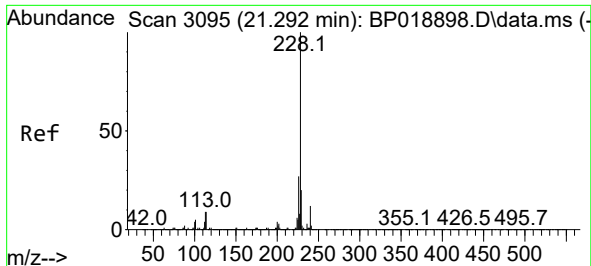
Ion Ratio Lower Upper

202 100

101 11.4 11.0 16.4

100 9.2 9.1 13.7

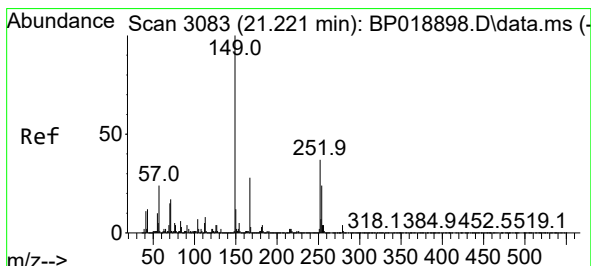
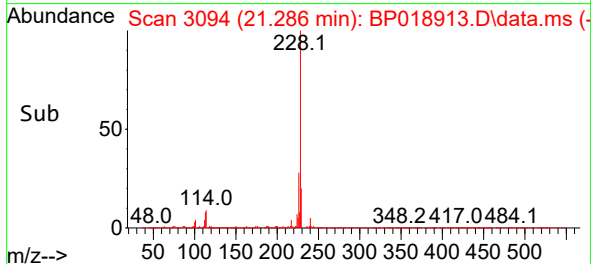
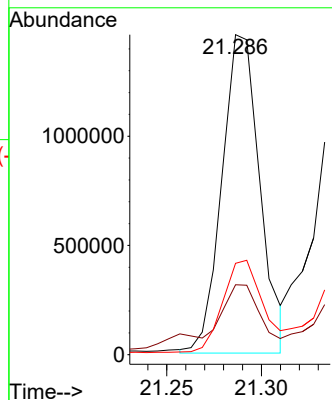
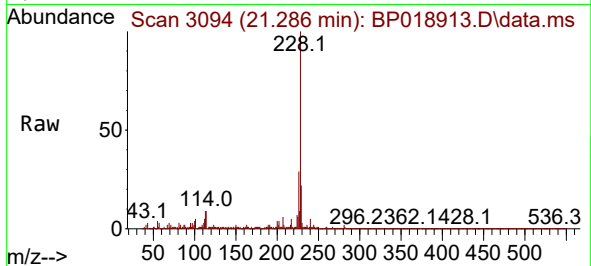




#85
Benzo(a)anthracene
Concen: 23.594 ng/ul
RT: 21.286 min Scan# 3094
Delta R.T. 0.000 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

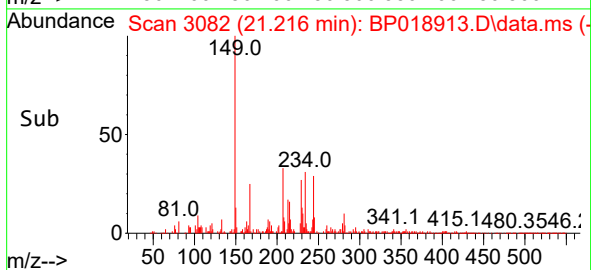
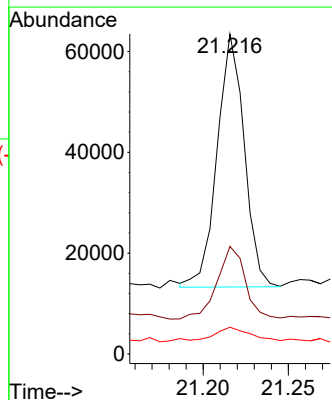
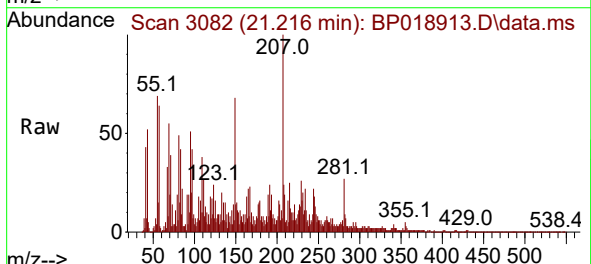
Instrument :
BNA_P
ClientSampleId :
BGRG3

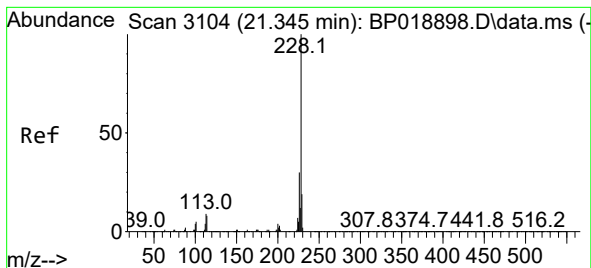
Tgt Ion:228 Resp: 2033275
Ion Ratio Lower Upper
228 100
229 21.9 15.7 23.5
226 28.5 21.9 32.9



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.119 ng/ul
RT: 21.216 min Scan# 3082
Delta R.T. 0.000 min
Lab File: BP018913.D
Acq: 18 Dec 2023 18:43

Tgt Ion:149 Resp: 55507
Ion Ratio Lower Upper
149 100
167 33.6 22.2 33.2#
279 8.3 3.3 4.9#





#87

Chrysene

Concen: 25.001 ng/ul

RT: 21.339 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

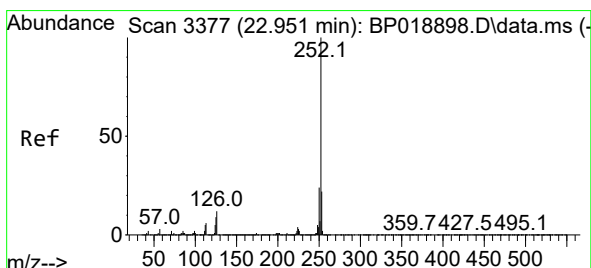
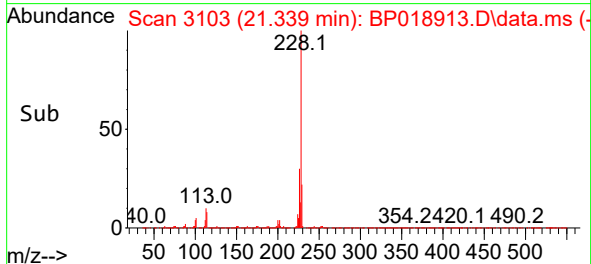
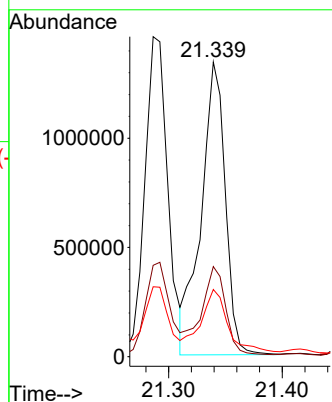
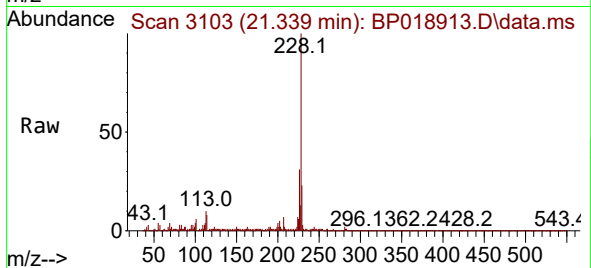
Tgt Ion:228 Resp: 1984084

Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

229 22.8 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 27.218 ng/ul

RT: 22.957 min Scan# 3378

Delta R.T. 0.012 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

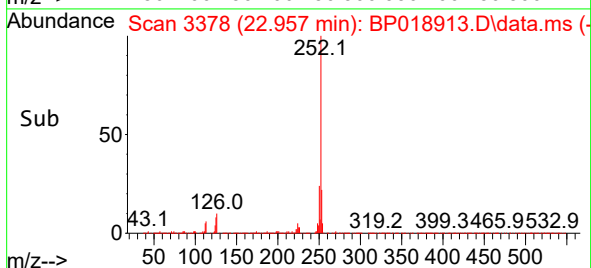
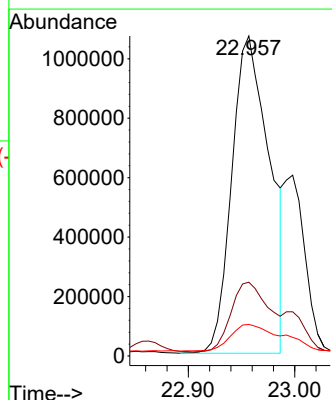
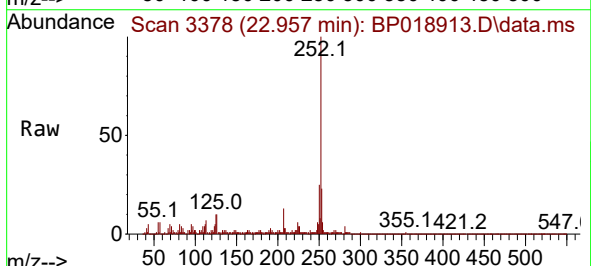
Tgt Ion:252 Resp: 2623597

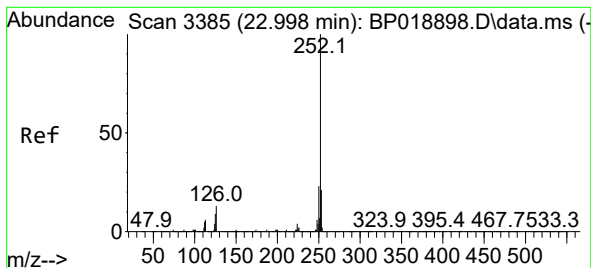
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 9.8 7.8 11.6





#91

Benzo(k)fluoranthene

Concen: 28.130 ng/ul

RT: 22.957 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

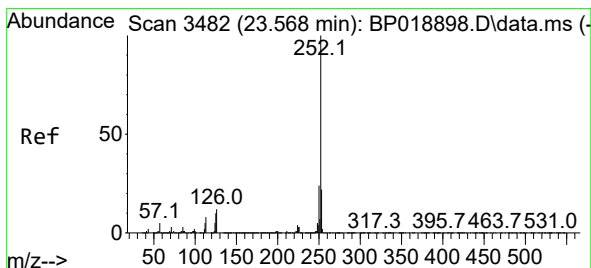
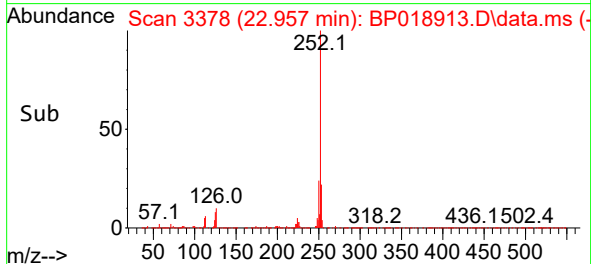
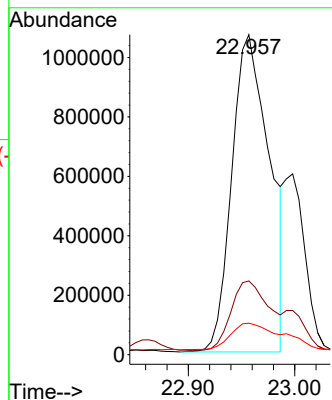
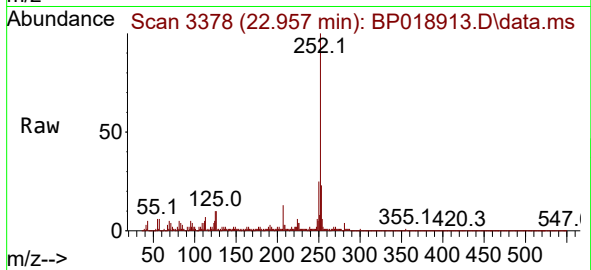
Tgt Ion:252 Resp: 2623597

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 9.8 8.0 12.0



#93

Benzo(a)pyrene

Concen: 20.768 ng/ul

RT: 23.574 min Scan# 3483

Delta R.T. 0.012 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

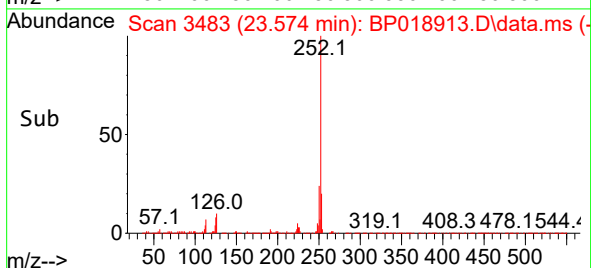
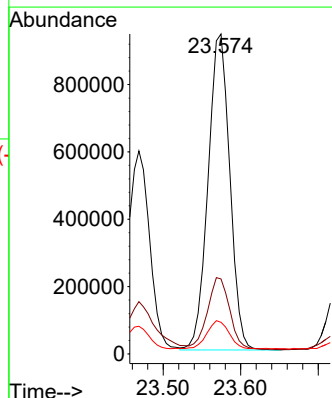
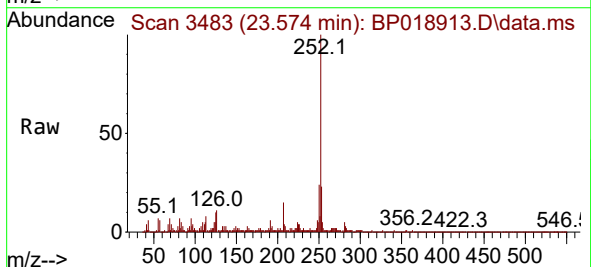
Tgt Ion:252 Resp: 1829198

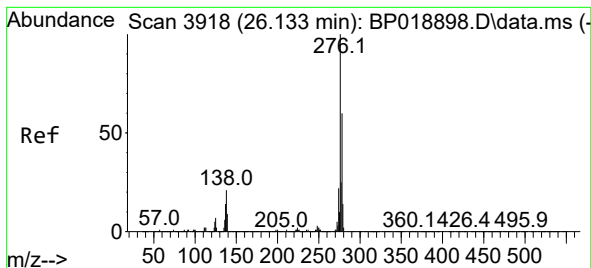
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 9.9 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 12.221 ng/ul

RT: 26.145 min Scan# 3918

Delta R.T. 0.024 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

Instrument :

BNA_P

ClientSampleId :

BGRG3

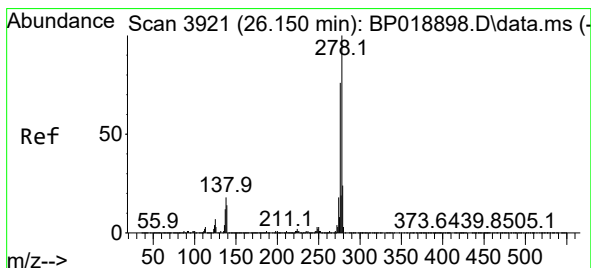
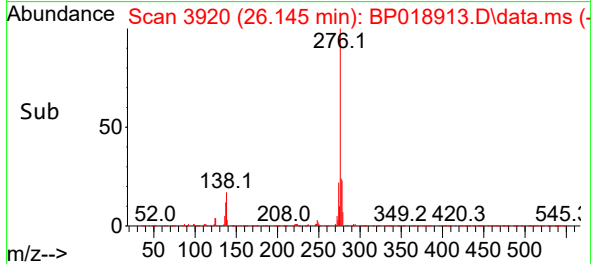
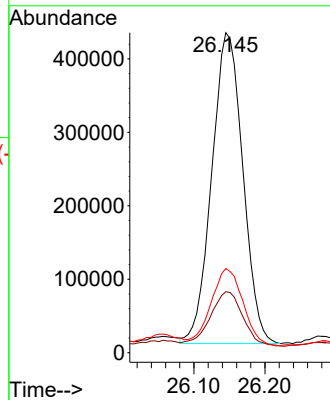
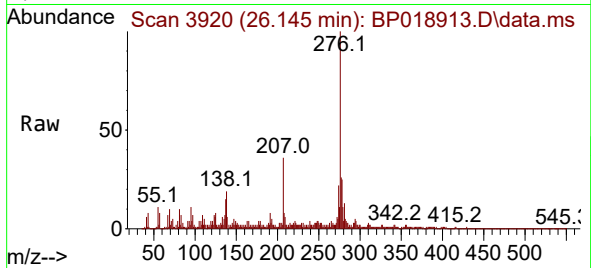
Tgt Ion:276 Resp: 1286110

Ion Ratio Lower Upper

276 100

138 19.1 19.4 29.2#

277 26.3 19.8 29.6



#95

Dibenzo(a,h)anthracene

Concen: 4.572 ng/ul

RT: 26.157 min Scan# 3922

Delta R.T. 0.018 min

Lab File: BP018913.D

Acq: 18 Dec 2023 18:43

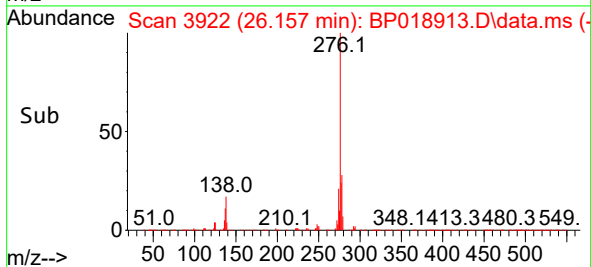
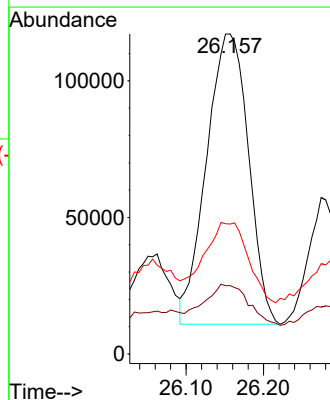
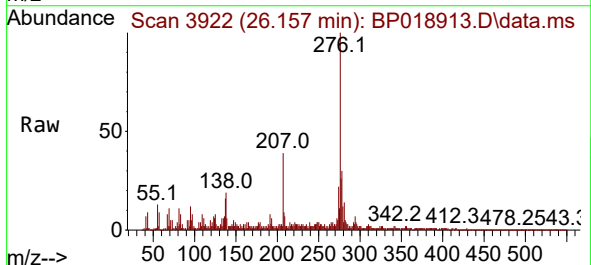
Tgt Ion:278 Resp: 400209

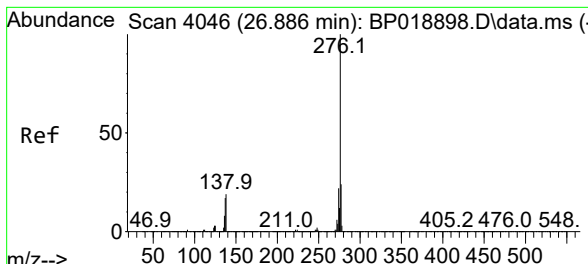
Ion Ratio Lower Upper

278 100

139 21.4 13.0 19.6#

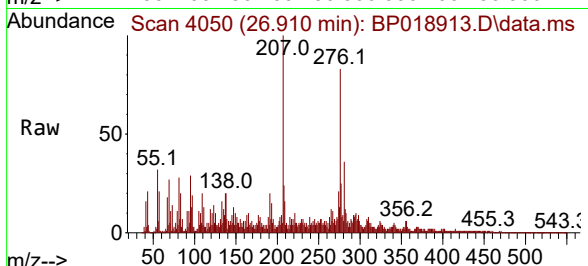
279 40.6 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 4.841 ng/ul
 RT: 26.910 min Scan# 4050
 Delta R.T. 0.035 min
 Lab File: BP018913.D
 Acq: 18 Dec 2023 18:43

Instrument :
 BNA_P
 ClientSampleId :
 BGRG3



Tgt Ion:	276	Resp:	409955
Ion Ratio	Lower	Upper	
276	100		
138	23.8	18.1	27.1
277	30.7	19.4	29.0#

