Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN032991.D
Acq On : 26 Jul 2024 11:27
Operator : MA/JU
Sample : P3264-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Quant Time: Jul 26 11:55:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 15:43:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.524	152	2956	0.400	ng/ul	0.00
4) Naphthalene-d8	10.278	136	10958	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.152	164	6803	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.920	188	15495	0.400	ng/ul	-0.03
17) Chrysene-d12	21.139	240	14897	0.400	ng/ul	-0.02
23) Perylene-d12	23.340	264	17473	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.069	96	1137	0.304	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.895	152	4268	0.239	ng/ul	-0.02
18) Fluoranthene-d10	18.963	212	13753	0.326	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.328	128	120231	4.273	ng/ul#	92
10) Acenaphthylene	13.875	152	201783	7.248	ng/ul	97
11) Acenaphthene	14.217	153	311290	14.864	ng/ul	98
12) Fluorene	15.226	166	65022	2.664	ng/ul	98
15) Phenanthrene	16.958	178	622717	14.983	ng/ul	98
16) Anthracene	17.055	178	554121	14.829	ng/ul	96
19) Fluoranthene	18.991	202	390309	7.957	ng/ul	98
20) Pyrene	19.358	202	479205	9.110	ng/ul	98
21) Benzo(a)anthracene	21.125	228	206326	4.060	ng/ul	97
22) Chrysene	21.177	228	361243	6.092	ng/ul	98
24) Benzo(b)fluoranthene	22.671	252	456686	8.947	ng/ul	80
25) Benzo(k)fluoranthene	22.714	252	339177	5.545	ng/ul#	80
26) Benzo(a)pyrene	23.244	252	55172	1.149	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.517	276	384017	5.257	ng/ul	99
28) Dibenzo(a,h)anthracene	25.517	278	311130	5.374	ng/ul#	84
29) Benzo(g,h,i)perylene	26.198	276	267874	4.615	ng/ul#	90

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

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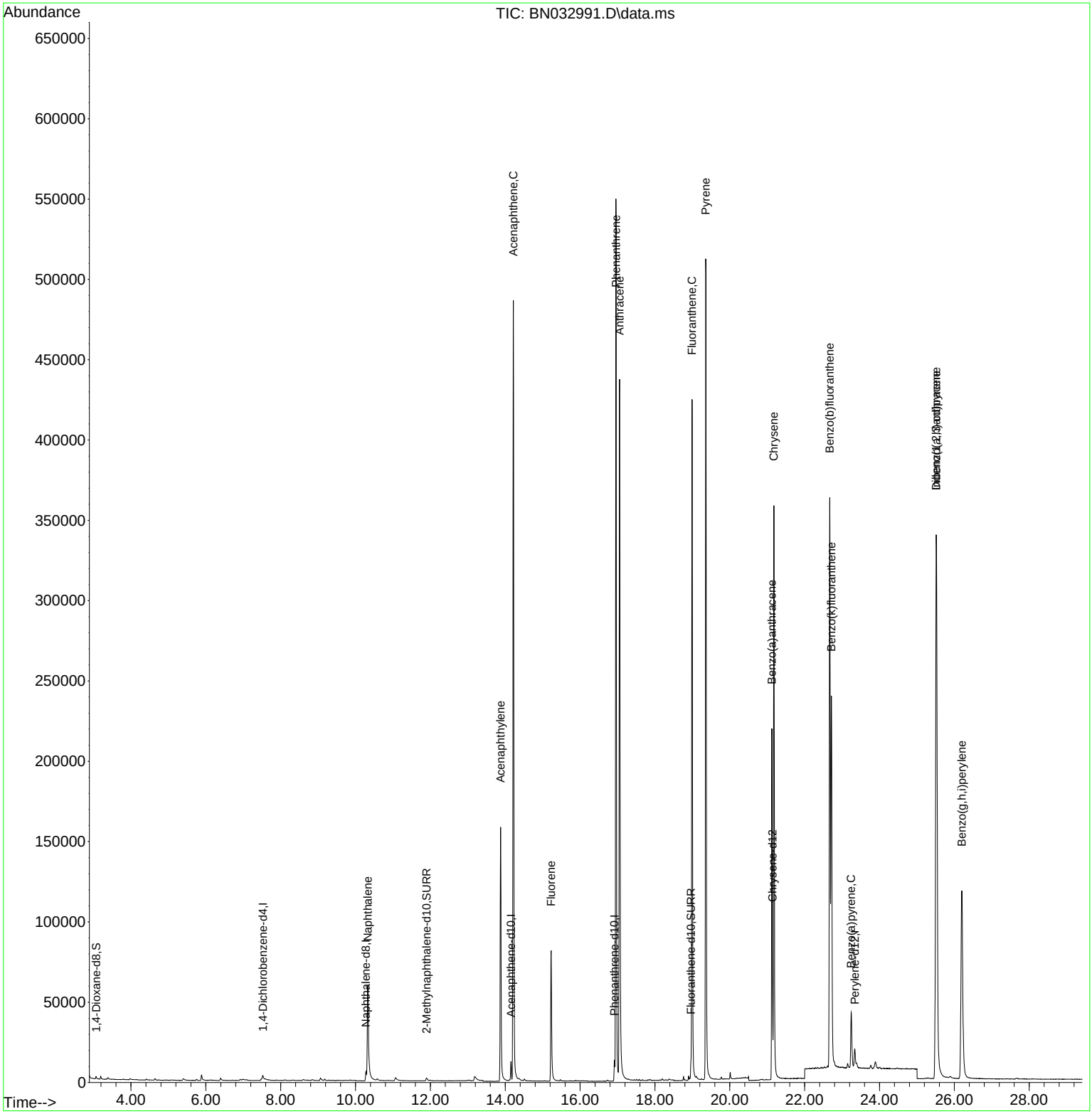
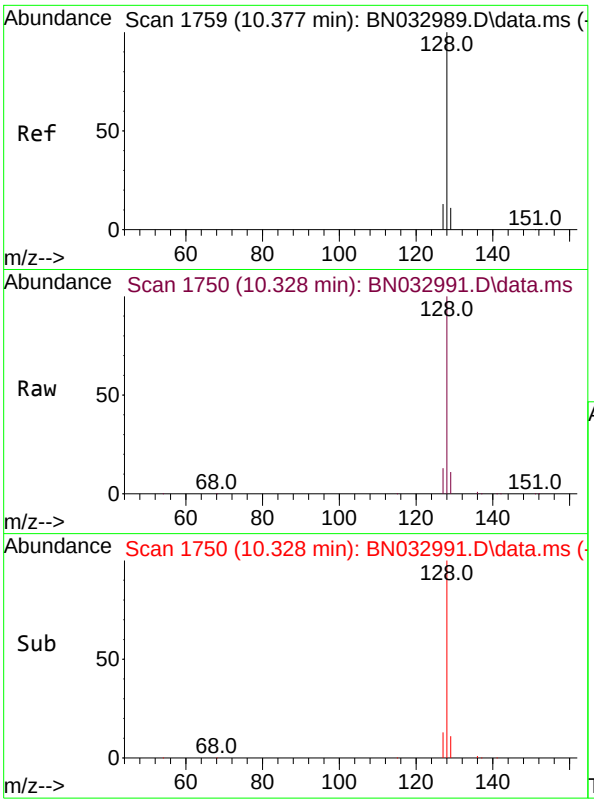


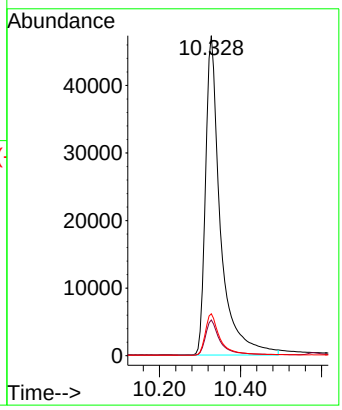


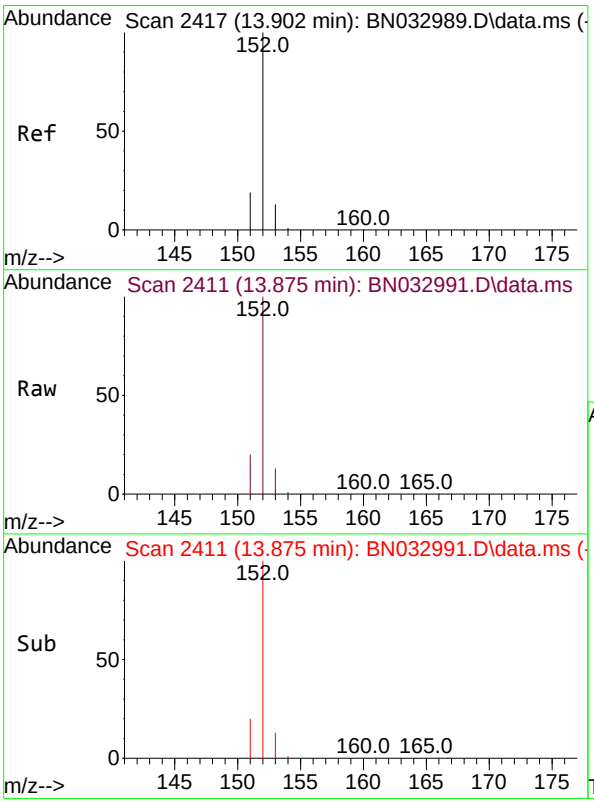
#5
Naphthalene
Concen: 4.273 ng/ul
RT: 10.328 min Scan# 1
Delta R.T. -0.022 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:128 Resp: 120231

Ion	Ratio	Lower	Upper
128	100		
129	11.1	12.0	18.0#
127	13.1	12.7	19.1

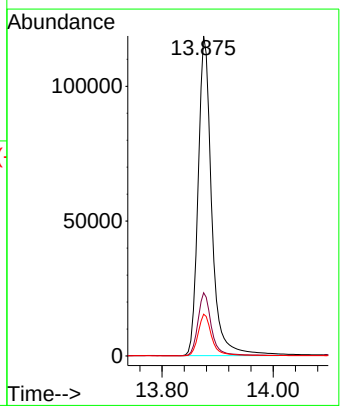


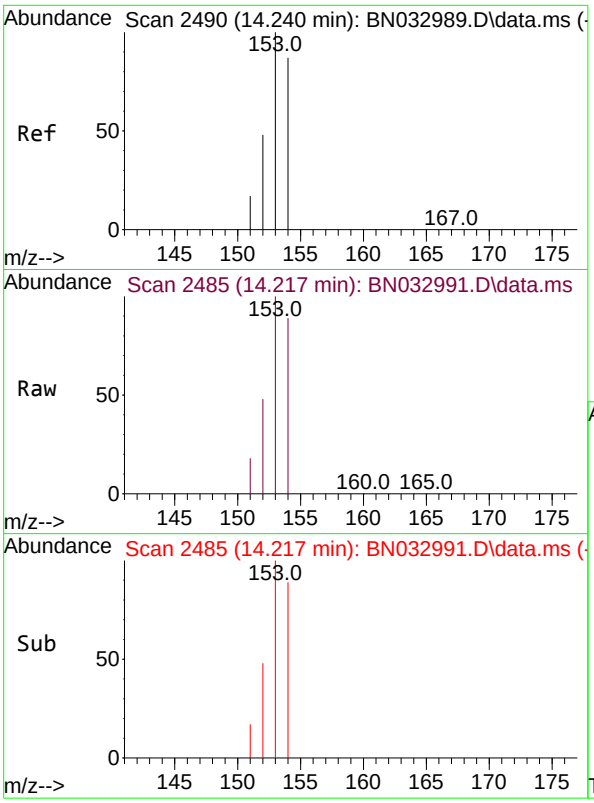


#10
Acenaphthylene
Concen: 7.248 ng/ul
RT: 13.875 min Scan# 2411
Delta R.T. -0.023 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:152 Resp: 201783

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	13.0	11.9	17.9



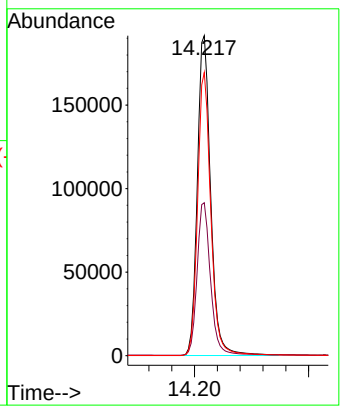


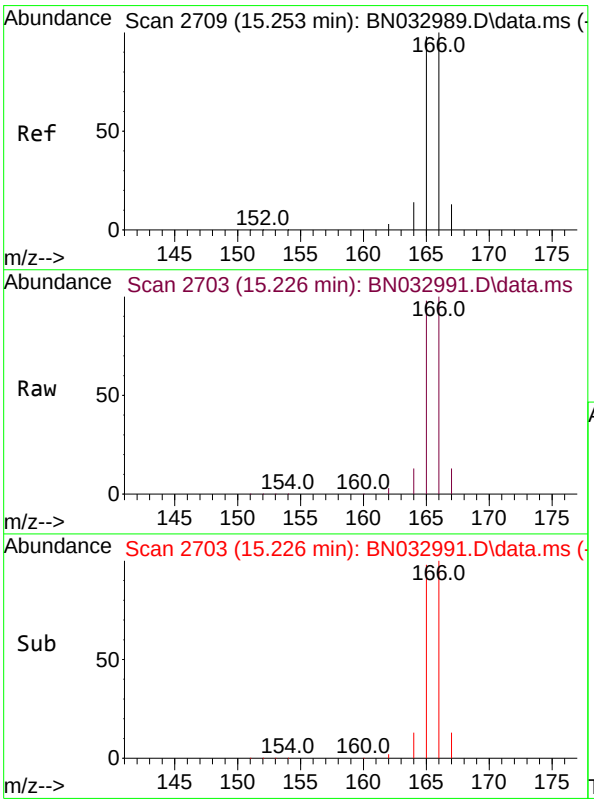
#11
Acenaphthene
Concen: 14.864 ng/ul
RT: 14.217 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:153 Resp: 311290

Ion	Ratio	Lower	Upper
153	100		
152	47.8	40.0	60.0
154	88.5	70.1	105.1

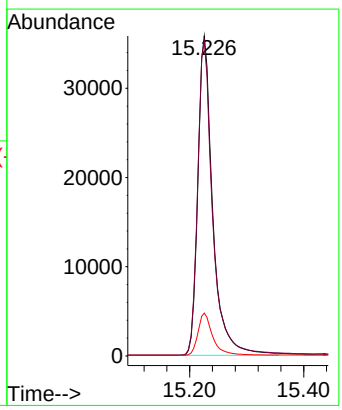


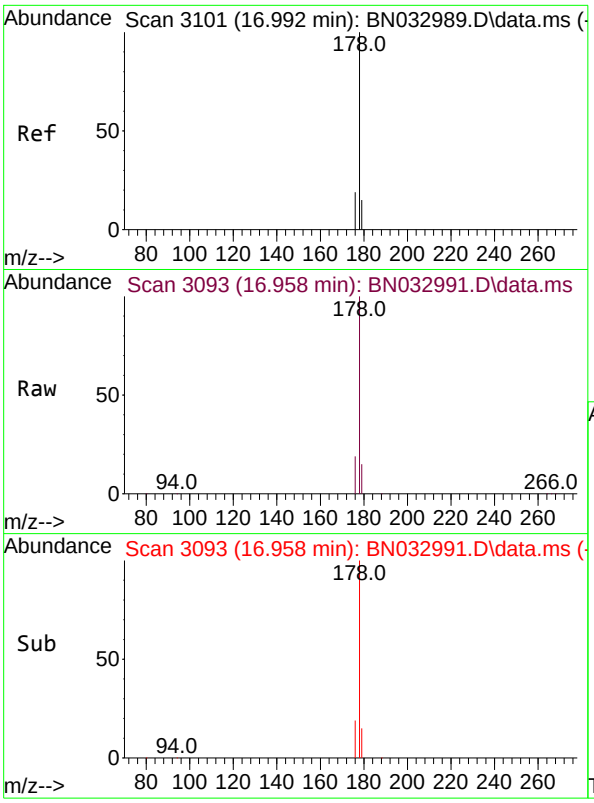


#12
Fluorene
Concen: 2.664 ng/ul
RT: 15.226 min Scan# 2703
Delta R.T. -0.018 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:166 Resp: 65022

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.6	119.4
167	13.4	12.2	18.4



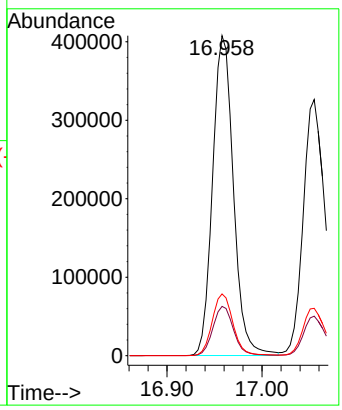


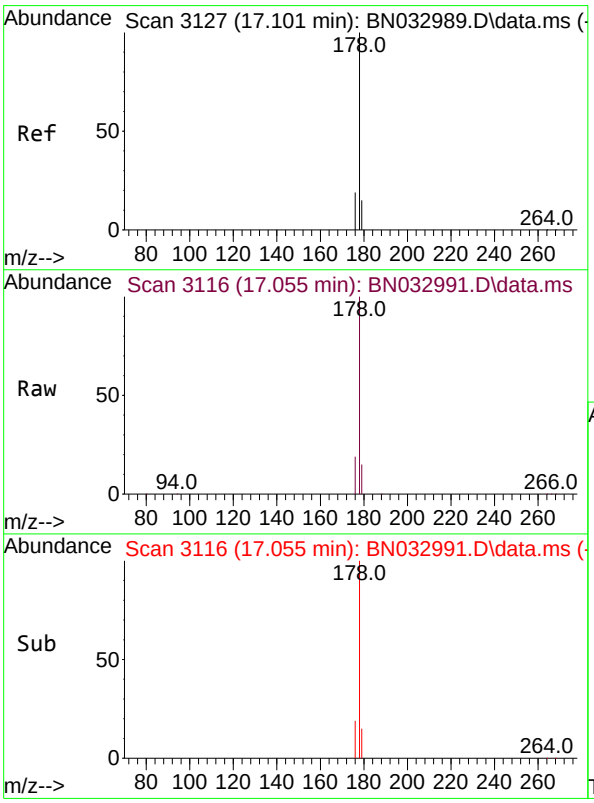
#15
Phenanthrene
Concen: 14.983 ng/ul
RT: 16.958 min Scan# 3
Delta R.T. -0.029 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:178 Resp: 622717

Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.7	20.5
176	19.3	15.9	23.9

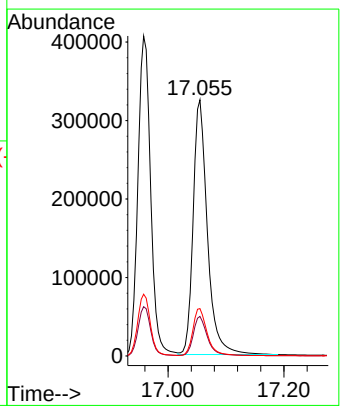


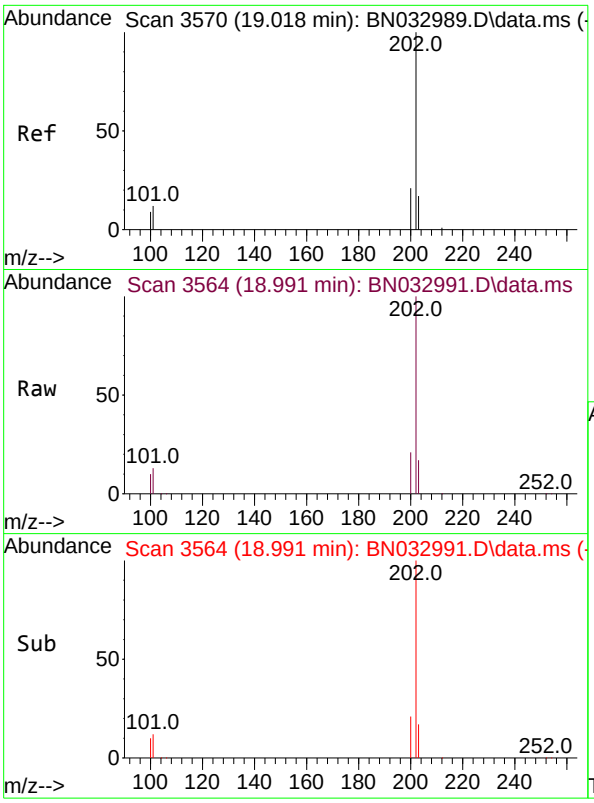


#16
Anthracene
Concen: 14.829 ng/ul
RT: 17.055 min Scan# 3116
Delta R.T. -0.030 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:178 Resp: 554121

Ion	Ratio	Lower	Upper
178	100		
179	15.4	14.3	21.5
176	18.5	15.8	23.8



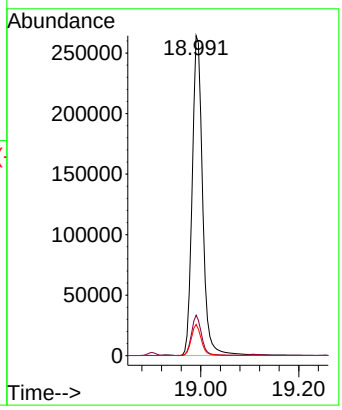


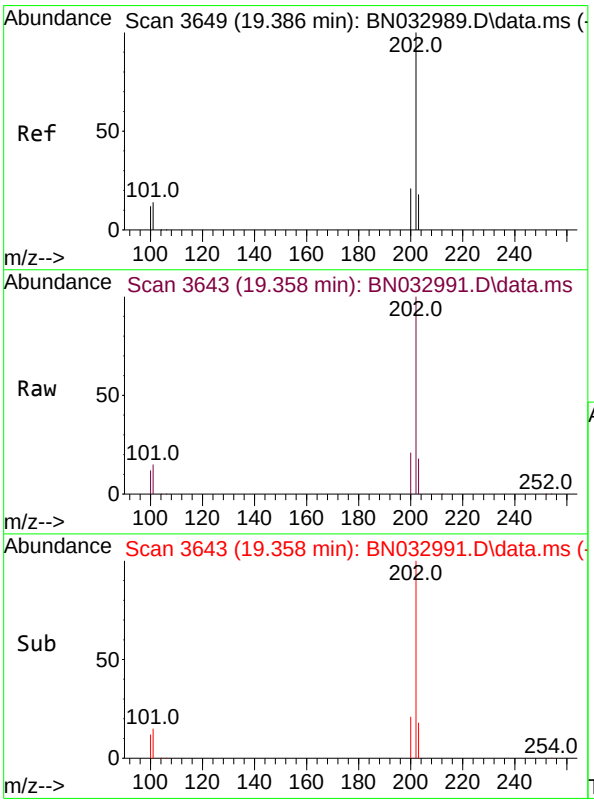
#19
Fluoranthene
Concen: 7.957 ng/ul
RT: 18.991 min Scan# 3
Delta R.T. -0.023 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:202 Resp: 390309

Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.7	16.1
100	9.8	8.3	12.5

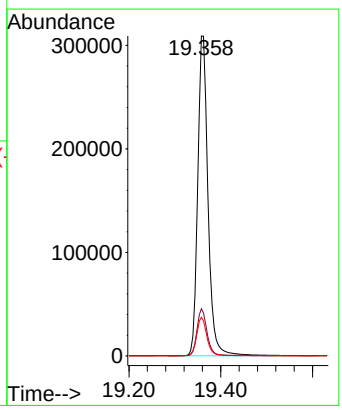


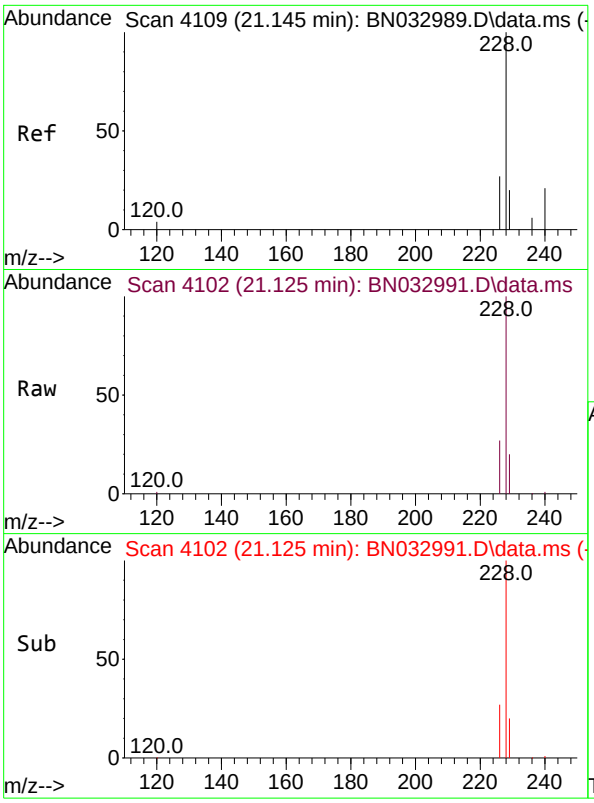


#20
Pyrene
Concen: 9.110 ng/ul
RT: 19.358 min Scan# 3643
Delta R.T. -0.023 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:202 Resp: 479205

Ion	Ratio	Lower	Upper
202	100		
101	14.7	12.6	18.8
100	12.1	9.9	14.9



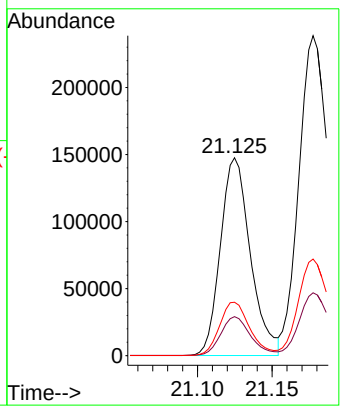


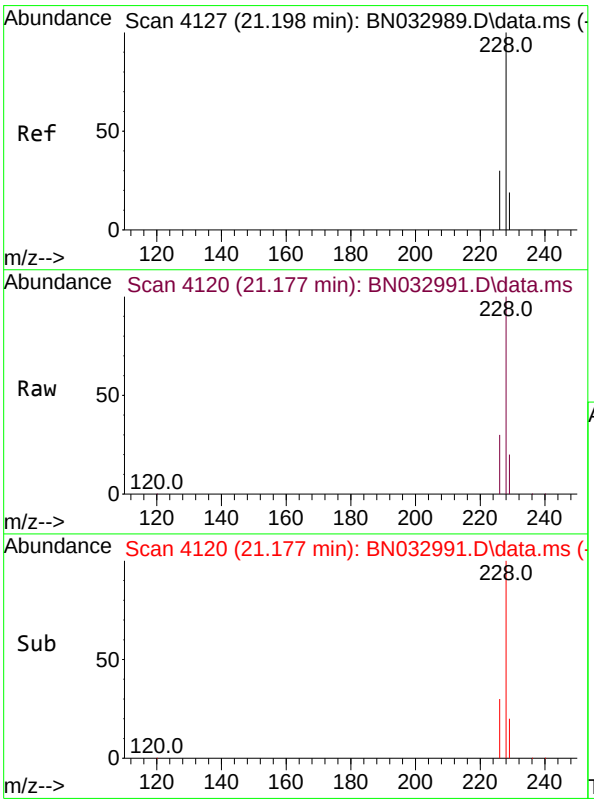
#21
Benzo(a)anthracene
Concen: 4.060 ng/ul
RT: 21.125 min Scan# 4
Delta R.T. -0.020 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:228 Resp: 206326

Ion	Ratio	Lower	Upper
228	100		
229	19.7	17.1	25.7
226	27.0	22.4	33.6

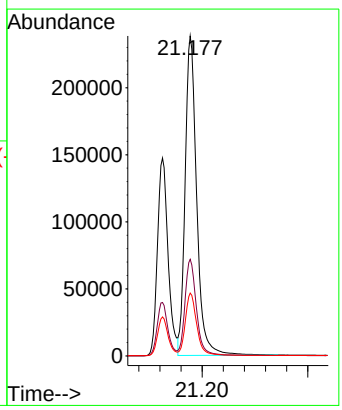


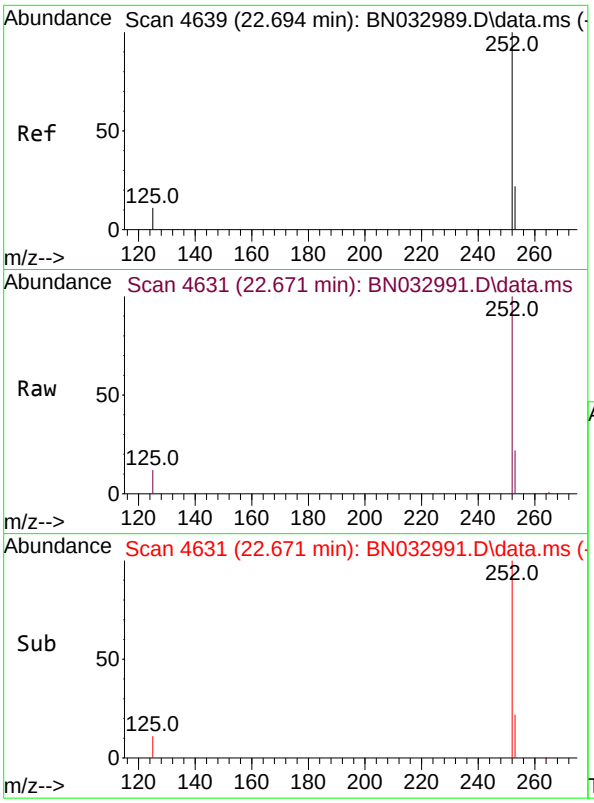


#22
Chrysene
Concen: 6.092 ng/ul
RT: 21.177 min Scan# 4120
Delta R.T. -0.017 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:228 Resp: 361243

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	19.7	17.0	25.6



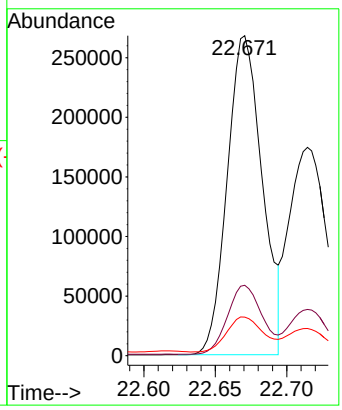


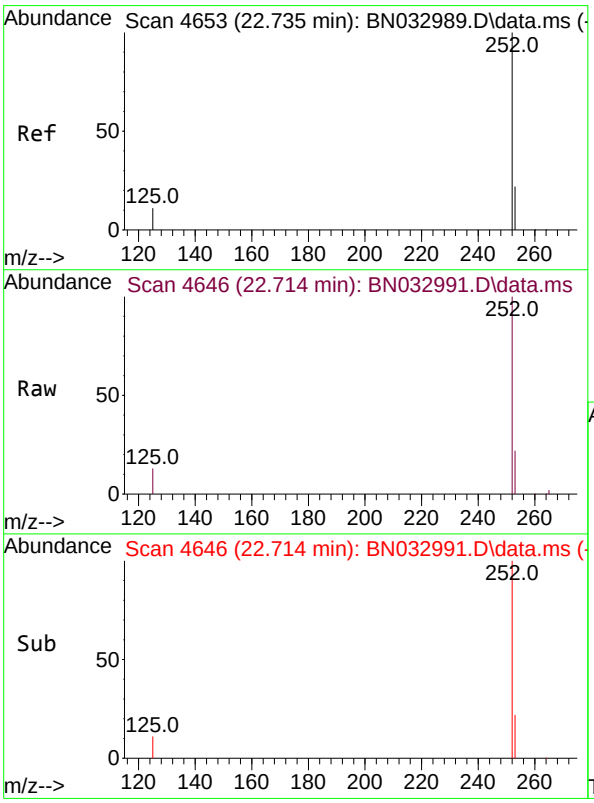
#24
Benzo(b)fluoranthene
Concen: 8.947 ng/ul
RT: 22.671 min Scan# 4
Delta R.T. -0.023 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:252 Resp: 456686

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	60.6
125	12.0	0.0	51.0

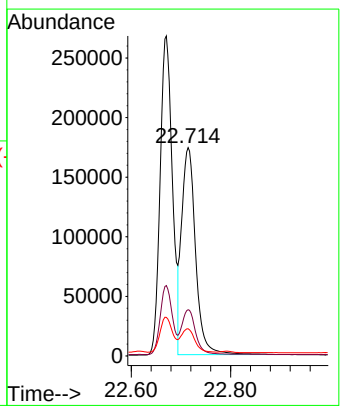


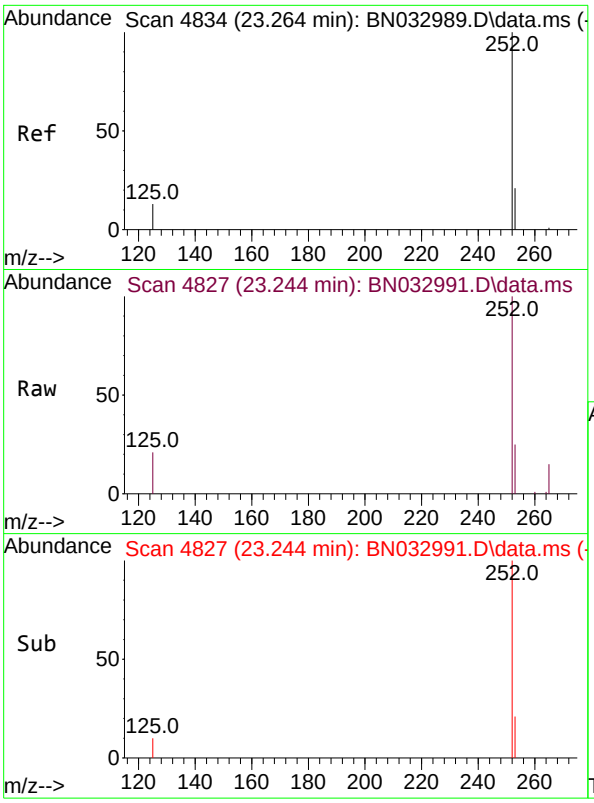


#25
Benzo(k)fluoranthene
Concen: 5.545 ng/ul
RT: 22.714 min Scan# 4646
Delta R.T. -0.020 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:252 Resp: 339177

Ion	Ratio	Lower	Upper
252	100		
253	22.2	24.9	37.3#
125	13.0	20.9	31.3#



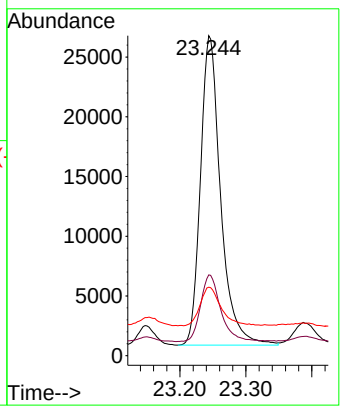


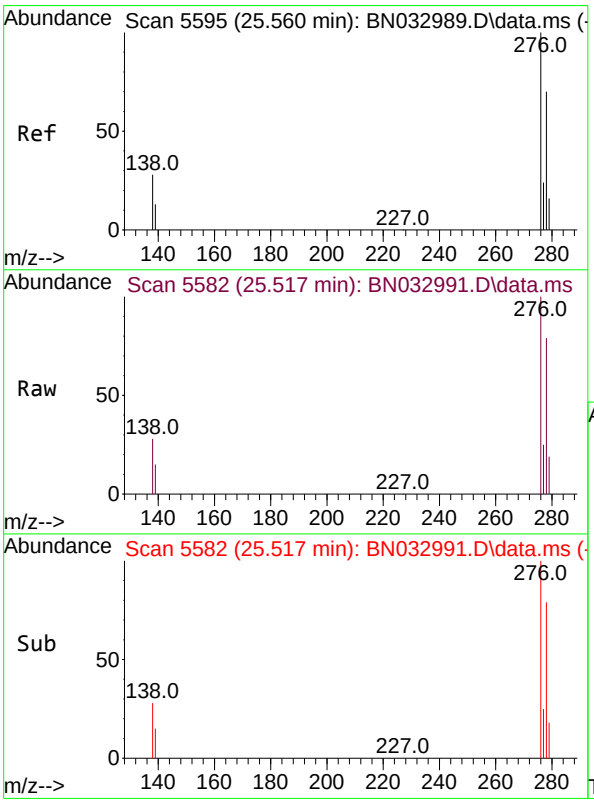
#26
Benzo(a)pyrene
Concen: 1.149 ng/ul
RT: 23.244 min Scan# 4
Delta R.T. -0.017 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:252 Resp: 55172

Ion	Ratio	Lower	Upper
252	100		
253	25.2	27.5	41.3#
125	21.4	27.0	40.6#

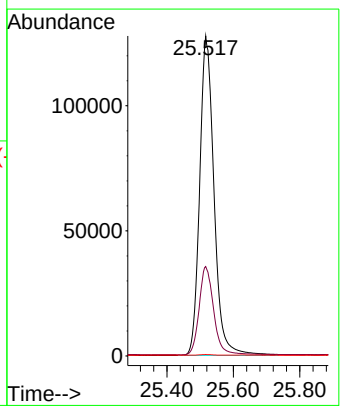


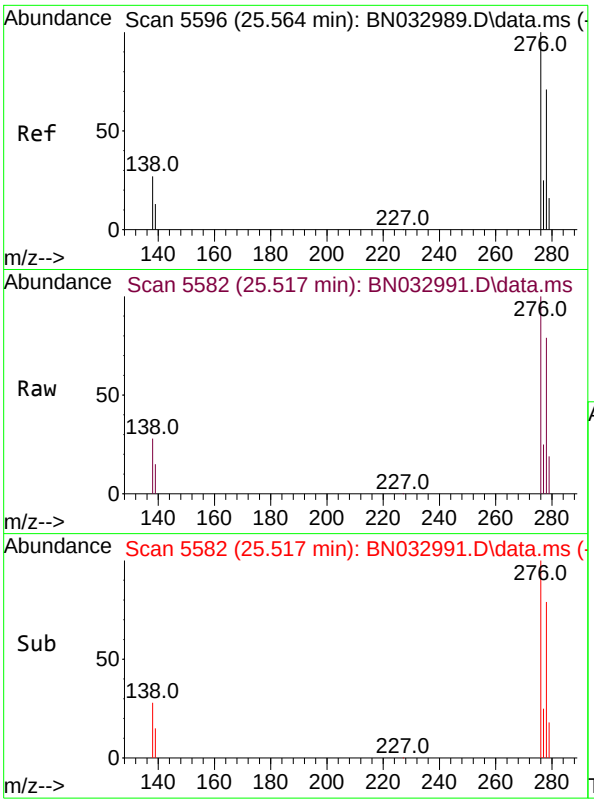


#27
Indeno(1,2,3-cd)pyrene
Concen: 5.257 ng/ul
RT: 25.517 min Scan# 5582
Delta R.T. -0.044 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:276 Resp: 384017

Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.8	32.8
227	0.2	0.2	0.2



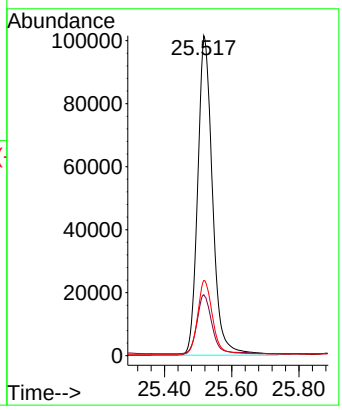


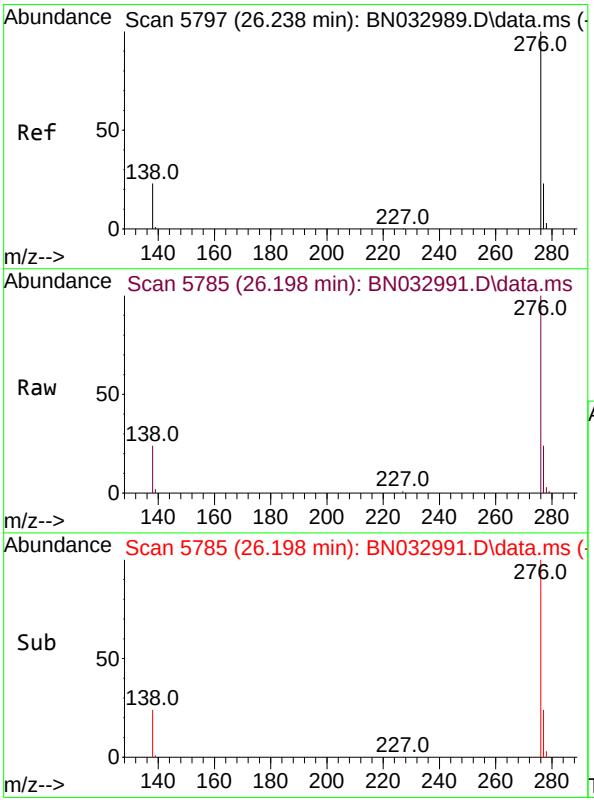
#28
Dibenzo(a,h)anthracene
Concen: 5.374 ng/ul
RT: 25.517 min Scan# 5
Delta R.T. -0.044 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Instrument :
BNA_N
ClientSampleId :
A4DQ7

Tgt Ion:278 Resp: 311130

Ion	Ratio	Lower	Upper
278	100		
139	19.1	22.5	33.7#
279	23.5	25.5	38.3#





#29
Benzo(g,h,i)perylene
Concen: 4.615 ng/ul
RT: 26.198 min Scan# 5785
Delta R.T. -0.044 min
Lab File: BN032991.D
Acq: 26 Jul 2024 11:27

Tgt Ion:276 Resp: 267874

Ion	Ratio	Lower	Upper
276	100		
138	24.3	24.6	37.0#
277	23.8	22.6	34.0